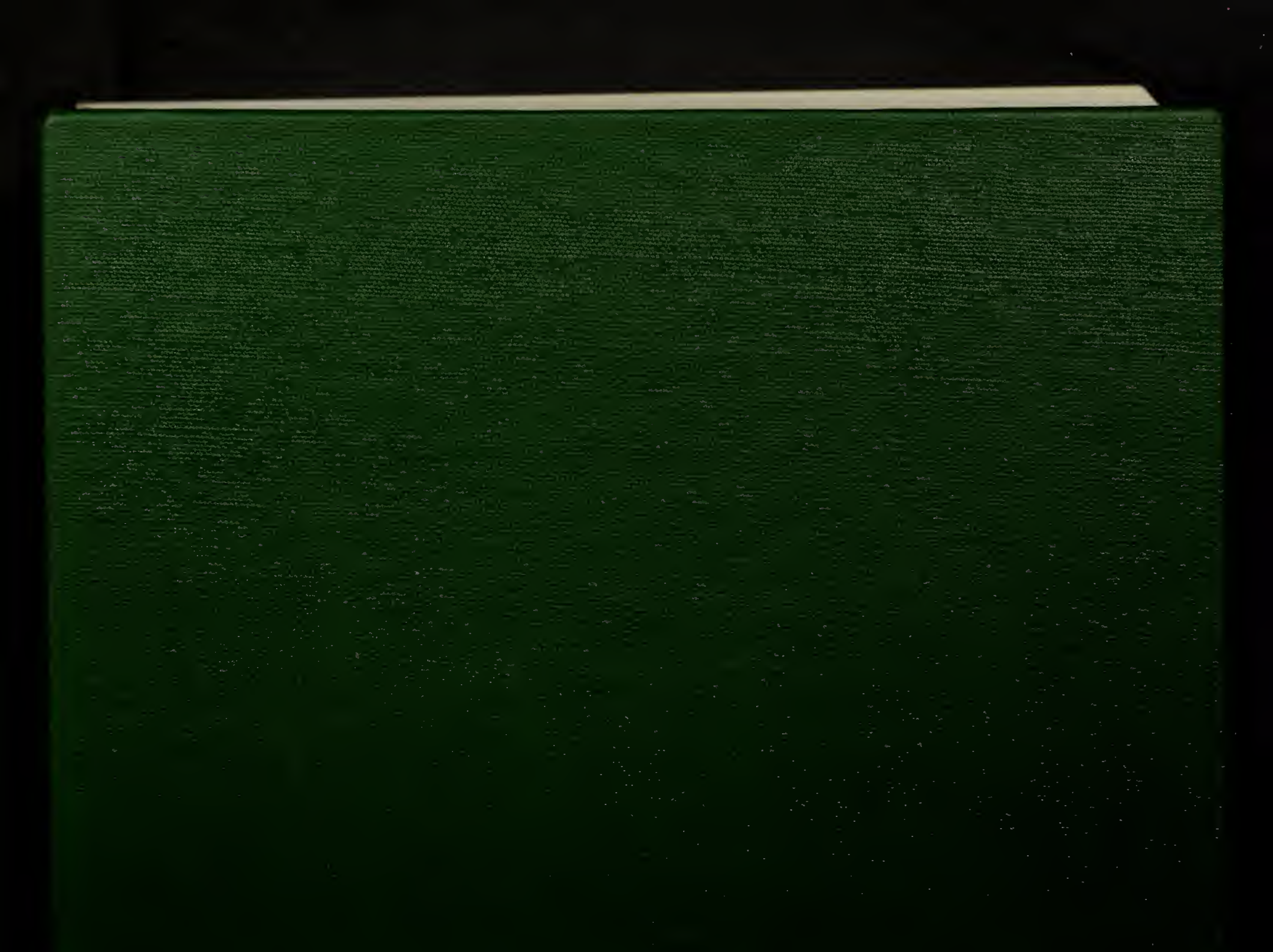


LIBRARY OF THE
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

016.6124
En25
v.6
no.3-4



VETERINARY MEDICINE

ENDOCRINOLOGY INDEX

THE LIBRARY OF THE
NOV 1973
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

National Institute of Arthritis, Metabolism, and Digestive Diseases

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service

National Institutes of Health

MAY-JUNE, 1973
VOLUME 6, NO. 3

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then u in the Author and Subject Indexes to enable the rea to identify references with ease. The complete citati (including index terms) are found but only the f three authors are listed. Foreign titles appear in original language; these titles have been transla into English in the Subject Section. Following e citation are index terms which have been assigned describe the contents of the article. Index terms appe in capital letters; some of these are accompanied subheadings which appear in lower case letters. As isks (*) identify the index terms under which arti appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appe ing in the bibliography are listed, followed by citat numbers which correspond to the numbers in the Aut Section. The Subject Index is included for the c venience of the reader who wishes to select artic falling in categories of his own conception. For ample, one who is interested in protein binding o particular hormone could quickly find whether th were any articles dealing with this subject by determi ing if there were any citation numbers common to t two headings "protein binding" and the name of t specific hormone.

Author Index

The names of all authors are listed, followed by citat numbers which correspond to the numbers in the Aut Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Office
Endocrinology Index
National Institute of Arthritis, Metabolism, and Digestive Diseases
National Institutes of Health
Building 31, Room 9A–03
Bethesda, Maryland 20014

Other individuals and libraries may receive this publication by subscribing *directly* to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes 6 bimonthly issues. Subscription price per year in the United States, Canada, and Mexico, $29.00; foreign, $7.25 additional; and $5.00 for a single copy. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

Edited by

Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

DHEW Publication No. (NIH) 74-273

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

016.6124
En25
v.6
no.3-4

Table of Contents

CATEGORY 1: PITUITARY

		Page
I.	Physical and Functional Aspects	
	Pituitary Gland	1
	Pituitary Gland Function Tests*	6
	Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	
	Pituitary Gland Irradiation	6
	Pituitary Gland, Posterior	6
II.	Disorders of the Pituitary Gland	
	Acromegaly	8
	Adenoma, Basophilic	-
	Adenoma, Chromophobe	8
	Adenoma, Eosinophilic	9
	Chiari-Frommel Syndrome	9
	Craniopharyngioma	9
	Diabetes Insipidus	9
	Dwarfism*	10
	Dwarfism, Pituitary	11
	Froehlich's Syndrome	12
	Gigantism	12
	Hyperpituitarism*	-
	Hypopituitarism*	12
	Hypothalamo-Hypophyseal System, Abnormalities and Injuries	-
	Infantilism	13
	Pituitary Diseases*	13
	Pituitary Gland, Abnormalities and Injuries	13
	Pituitary Gland, Posterior, Abnormalities and Injuries	-
	Pituitary Neoplasms*	13
	Sheehan's Syndrome	14
III.	Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
	Corticotropin (ACTH)	15
	Follicle Stimulating Hormone (FSH)	17
	Gonadotropins*	20
	Gonadotropins, Pituitary*	21
	Luteinizing Hormone (LH), (ICSH)	22
	Lipotropins	25
	Menotropins	25
	Melanocyte Stimulating Hormone (MSH)	26
	Neurophysins	26

*See also more specific terms

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Page

Oxytocics 26
Oxytocin. 27
Phelypressin. 28
Pituitary Hormones. 28
Pituitary Hormones, Anterior* 29
Pituitary Hormones, Posterior*. 29
Prolactin 29
Somatotropin (GH) 31
Thyrotropin (TSH) 33
Vasopressin (ADH) 36
Vasotocin 38

IV. Related Topics

Cyclofenil (F-6066) 39
Hypophysectomy. 39
Lactation 39
Somatomedin (Sulfation Factor). 41

CATEGORY 2: THYROID

I. Physical and Functional Aspects

Thyroid Gland 42
Thyroid Gland Function Tests* 46
Basal Metabolism
(See SUBJECT INDEX)
Protein Bound Iodine Test
(See V. Related Topics)
Thyroidectomy 48

II. Disorders of the Thyroid Gland

Cretinism 49
Goiter* 49
Goiter, Endemic 50
Goiter, Exophthalmic. 50
Goiter, Nodular 51
Goiter, Substernal. 52
Hyperthyroidism*. 52
Hypothyroidism* 55
Myxedema. 57
Thyroid Crisis. 58
Thyroid Diseases* 58
Thyroid Gland, Abnormalities and Injuries 59
Thyroid Neoplasms 59
Thyroiditis 61
Thyroiditis, Lymphomatous 61

*See also more specific terms

Page

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Dextrothyroxine. 62
Diiodotyrosine 62
Iodotyrosine 62
Thyrocalcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Thyroglobulin. 62
Thyroid Hormones*. 63
Thyronine. 64
Thyroxine. 64
Triiodothyronine 67

IV. Thyroid Antagonists and Inhibitors
Carbimazole. 70
Methimazole. 70
Methylthiouracil 70
Propylthiouracil 70
Thiouracil 70
Thyroid Antagonists* 71

V. Related Topics
Exophthalmos 72
Exophthalmos Producing Substance (EPS) . . . . . -
Iodides 72
Iodine 72
Iodoproteins 74
Long-Acting Thyroid Stimulator (LATS). 74
Protein-Bound Iodine Test. 75
Thyroxine-Binding Protein. 75

CATEGORY 3: ADRENAL

I. Physical and Functional Aspects
Adrenal Glands 77
Adrenalectomy. 84
Pituitary-Adrenal Function Tests 85

II. Disorders of the Adrenal Glands
Addison's Disease. 86
Adenoma, Virilizing. . . . . -
Adrenal Cortical Rest Tumor. . . . . -

*See also more specific terms

Page

II. Disorders of the Adrenal Glands (Continued)
Adrenal Gland Diseases* 86
Adrenal Gland Hyperfunction*. 87
Adrenal Gland Hypofunction* 87
Adrenal Gland Neoplasms*. 88
Adrenal Glands, Abnormalities and Injuries. 89
Adrenogenital Syndrome. 89
Cushing's Syndrome. 90
Hyperaldosteronism. 91
Waterhouse-Friderichsen Syndrome. 92

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
Adrenal Cortex Hormones*. 93
Aldosterone 95
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androsterone. 97
Betamethasone 98
Corticosterone. 98
Cortisone 100
Dehydroepiandrosterone. 101
Desoxycorticosterone. 103
Dexamethasone 103
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Etiocholanolone 105
Fludrocortisone 105
Flumethasone. 105
Fluocinolone Acetonide. 105
Fluorometholone . . . . . -
Fluprednisolone 106
Flurandrenolone 106
Glucocorticoids*. 106
Hydrocortisone. 108
Hydrocortisone, Topical 112
17-Hydroxycorticosteroids 112
Hydroxycorticosteroids. 113
Hydroxypregnenolone (See CATEGORY 4: GONADS)
Hydroxyprogesterone (See CATEGORY 4: GONADS)
17-Ketosteroids 113
Ketosteroids. 115

*See also more specific terms

Page

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Methylprednisolone 116
Mineralocorticoids* 116
Paramethasone 117
Prednisolone 117
Prednisolone, Topical 118
Prednisone 118
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol 120
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Triamcinolone 121
Triamcinolone Acetonide 121

IV. Related Topics
Aminoglutethimide 122
DDD 122
Metyrapone 122
Pituitary-Adrenal System 123
Renin 123
Spironolactone 125
Transcortin 126

V. Adrenal Medulla
Adrenal Medulla 127
Adrenochrome . . . . . -
Catecholamines* 128
Chromaffin System 128
Dopa 129
Dopamine 129
Epinephrine 129
Hydroxydopamine 130
Isoproterenol 130
Methyldopa 130
Norepinephrine 130
Normatanephrine 131
Pheochromocytoma 131
Vanilmandelic Adic 132

*See also more specific terms

CATEGORY 4: GONADS

Page

I. Physical and Functional Aspects
- Gonads* . . . 133
  - Ovary
    - Corpus Luteum . . . 135
    - Graafian Follicle . . . 137
    - Ovary* . . . 138
  - Testis
    - Leydig Cells . . . 144
    - Sertoli Cells . . . 144
    - Testis* . . . 144

II. Disorders of the Gonads
- Arrhenoblastoma . . . 150
- Bonnevie-Ullrich Syndrome . . . -
- Brenner Tumor . . . -
- Corpus Luteum, Abnormalities and Injuries . . . -
- Corpus Luteum Cyst . . . 150
- Cryptorchism . . . 150
- Disgerminoma . . . 151
- Eunuchism . . . 151
- Gonads, Abnormalities and Injuries . . . 151
- Graafian Follicle, Abnormalities and Injuries . . . -
- Granulosa Cell Tumor . . . 151
- Gynandroblastoma . . . 152
- Hermaphroditism . . . 152
- Hypogonadism* . . . 152
- Infantilism (See CATEGORY 1: PITUITARY)
- Klinefelter's Syndrome . . . 153
- Leydig Cells, Abnormalities and Injuries . . . -
- Leydig Cell Tumor . . . 153
- Meig's Syndrome . . . 154
- Ovarian Cysts . . . 154
- Ovarian Diseases* . . . 154
- Ovarian Neoplasms* . . . 155
- Ovary, Abnormalities and Injuries . . . 157
- Pseudohermaphroditism . . . 157
- Puberty, Precocious . . . 157
- Sertoli Cell Tumor . . . 158
- Sertoli Cells, Abnormalities and Injuries . . . -
- Sex Chromosome Abnormalities . . . 158

*See also more specific terms

Page

II. Disorders of the Gonads (Continued)
Sex Differentiation Disorders 158
Stein-Leventhal Syndrome. 159
Struma Ovarii 159
Testicular Diseases*. 159
Testicular Feminization 159
Testicular Neoplasms* 160
Testis, Abnormalities and Injuries. 161
Theca Cell Tumor. 161
Turner's Syndrome 161

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs
Anabolic Steroids*. 163
Androgens*. 163
Androstanes*. 164
Androstenes*. 166
Androstenol . . . . . -
Androsterone (See CATEGORY 3: ANDRENAL)
Chlormadinone 167
Chlorotrianisene. . . . . -
Clomiphene. 167
Contraceptives, Oral* 168
Contraceptives, Postcoital. 171
Corpus Luteum Hormones. 171
Cronolone 171
Cyproterone 171
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol. 171
Dihydroxyprogesterone . . . . . -
Dimethisterone. 172
Dromostanolone. 172
Dydrogesterone. 172
Estradiol 172
Estranes. 177
Estriol 178
Estrogenic Substances, Conjugated 179
Estrogens*. 179
Estrone 183
Ethinyl Estradiol 185
Ethisterone 186
Ethylestrenol 186

*See also more specific terms

Page

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Ethynodiol Diacetate 186
Etiocholanolone (See CATEGORY 3: ADRENAL)
Fertility Agents 186
Fluorometholone . . . . . -
Fluoxymesterone 186
Gonanes* . . . . . -
Hexestrol 186
Hydroxymethyltestosterone . . . . . -
Hydroxypregnenolone 187
Hydroxyprogesterone 187
17-Ketosteroids (See CATEGORY 3: ADRENAL)
Lynestrenol 187
Medroxyprogesterone 188
Megestrol 188
Menotropins (See CATEGORY 3: ADRENAL)
Mestranol 188
Methandrostenolone 189
Methenolone 190
Methyltestosterone 190
Nandrolone 190
Norethandrolone 190
Norethindrone 190
Norethynodrel 191
Norgestrel 191
Normethandrolone . . . . . -
Oxandrolone 192
Oxymetholone 192
Pregnanediol 192
Pregnanes* 192
Pregnanetriol (See CATEGORY 3: ADRENAL)
Pregnenes* 193
Pregnenolone 193
Progestational Hormones 194
Progesterone 195
Relaxin 199
Sex Hormones* 199
Stanolone 200
Stanozolol 201
Testolactone 201
Testosterone 201

*See also more specific terms

Page

IV. Related Topics
Castration. 206
Estrus. 206
Feminization. 207
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 207
Puberty 207
Sex Chromatin 208
Sex Chromosomes 208
Sex Determination 210
Sex Reversal, Gonadal 210

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects. 211

II. Disorders of the Placenta
Chorioadenoma 213
Choriocarcinoma 213
Hydatidiform Mole 214
Placenta, Abnormalities and Injuries. 214
Placenta Disorders. 214
Trophoblastic Tumor 215

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
Gonadotropins, Chorionic. 216
Gonadotropins, Equine 218
Placental Extracts. 219
Placental Hormones* 219
Placental Lactogen. 219
Somatomammotropin 220

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects. 221

II. Disorders of the Parathyroid Glands
Hyperparathyroidism 223
Hyperparathyroidism, Secondary. 224
Hypoparathyroidism. 224
Parathyroid Diseases* 225
Parathyroid Glands, Abnormalities and Injuries. 225
Parathyroid Neoplasms 225

*See also more specific terms

Page

III. Parathyroid Hormone. 226

IV. Bone Metabolism and Related Topics
Bone and Bones. 227
Calcification, Physiologic. 230
Calcium Metabolism. 230
Cholecalciferol 232
Dihydrotachysterol. 233
Ergocalciferol. 233
Ergosterol. . . . . -
Hydroxycholecalciferol. 233
Hypercalemia. 233
Osteogenesis Imperfecta 235
Osteomalacia. 235
Osteopetrosis 235
Osteoporosis. 236
Pseudohypoparathyroidism. 237
Pseudopseudohypoparathyroidism. 237
Renal Osteodystrophy. 237
Rickets 238
Rickets, Vitamin D Resistant. 238
Tetany. 239
Thyrocalcitonin (Calcitonin). 239
Vitamin A 240
Vitamin D 241
Vitamin D Deficiency. 241

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
Amygdaloid Body 243
Hypothalamo-Hypophyseal System. 243
Hypothalamus. 245
Neurosecretory Systems. 249
Pineal Body 250

II. Disorders of the Amygdaloid Body
Amygdaloid Body, Abnormalities and Injuries . . . . . -
Hypothalamus, Abnormalities and Injuries. 252
Pineal Body, Abnormalities and Injuries . . . . . -
Pinealoma 252

Page

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Factor (CRF). 253
Melatonin 253
Pituitary Hormone Releasing Factors*. 253
Thyrotropin Releasing Ractor (TRF). 255

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic 3', 5' Monophosphate 257
Guanosine Cyclic 3', 5' Monophosphate 262

CATEGORY 9: APPENDIX

Adenyl Cyclase. 263
Guanyl Cyclase. 264
Hormones, Ectopic 264
Neoplastic Endocrine-like Syndromes 264
Nerve Growth Factor 265
Prostaglandins. 265
Receptors, Hormone. 270
Toxohormones. . . . . -

REVIEW SECTION 272

METHOD SECTION 276

AUTHOR SECTION A-1

SUBJECT INDEX. A-341

AUTHOR INDEX A-381

*See also more specific terms

1. Physical and Functional Aspects

PITUITARY GLAND

Cross-reaction in a chicken LH radioimmunoassay with plasma and pituitary extracts form various species. Scanes CG, et al.
Gen Comp Endocrinol 19:596-600, Dec 72

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72

An adenohypophysial extract influencing the output of semen in rabbits, guinea-pigs and mice. Lakomaa E, et al. **J Reprod Fertil 31:469-72, Dec 72**

ABNORMALITIES

[Intrasphenoidal pituitary choristoma] Haguenbauer JP, et al. **J Fr Otorhinolaryngol 21:436-7, May 72 (Fre)**

ANALYSIS

Glyoxylic acid condensation: a new fluorescence method for the histochemical demonstration of biogenic monoamines. Axelsson S, et al.
Acta Physiol Scand 87:57-62, Jan 73

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73

A radiometric technique for measuring L-asparagine in picomole quantities. Cooney DA, et al.
Biochem J 129:953-60, Oct 72

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73

The cellular source of melanocyte-stimulating hormone in Anguilla pituitary. Baker BI.
Gen Comp Endocrinol 19:515-21, Dec 72

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR.
Gen Comp Endocrinol 20:41-52, Feb 73

Organ distribution of thyrotropin-releasing hormone. Dupont A, et al. **Gen Comp Endocrinol 19:522-6, Dec 72**

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. **Horm Metab Res 4:484-8, Nov 72**

The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse. Virkkunen P, et al. **Horm Metab Res 4:506-7, Nov 72**

Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al.
J Clin Endocrinol Metab 36:531-47, Mar 73

A homologous radioimmunoassay for human prolactin. Sinha YN, et al.
J Clin Endocrinol Metab 36:509-16, Mar 73

Characteristics of "big ACTH" in human plasma and pituitary extracts. Yalow RS, et al.
J Clin Endocrinol Metab 36:415-23, Mar 73

Nucleic acid and protein content in the pars distalis of the pituitary and hypothalamus of the frog, Rana esculenta: effects of gonadectomy and captivity. Rastogi RK, et al. **J Endocrinol 55:471-7, Dec 72**

The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr.
J Neurochem 19:2737-45, Dec 72

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al.
J Reprod Fertil 32:334-5, Feb 73

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Bahichev VN.
Neurosci Behav Physiol 5:195-9, Jul-Sep 72

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al.
Steroids 21:133-45, Jan 73

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med 108:9-18, Sep 72**

Acetylcholine and cholinesterases (assays and light- and electron microscopial histochemistry) in different parts of the pituitary of rat, rabbit and domestic pig. Bridges TE, et al.
Z Zellforsch Mikrosk Anat 136:1-18, 1973

[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al.
C R Soc Biol (Paris) 166:869-74, 1972 (Fre)

ANATOMY & HISTOLOGY

Effects of photoperiod and age on reproductive organs and serum LH in the male rat. Hoffmann JC.
Am J Physiol 224:245-7, Feb 73

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al.
Am J Vet Res 34:181-3, Feb 73

Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Schuchner EB, et al. **Fertil Steril 24:107-15, Feb 73**

Effect of feed level and parity on ovulation rate in three genetic groups of swine. Clark JR, et al.
J Anim Sci 35:1216-22, Dec 72

Ovarian response to fasting following high and low planes of nutrition in puberal gilts. Edey TN, et al.
J Anim Sci 35:1223-7, Dec 72

Nucleic acid and protein content in the pars distalis of the pituitary and hypothalamus of the frog, Rana esculenta: effects of gonadectomy and captivity. Rastogi RK, et al. **J Endocrinol 55:471-7, Dec 72**

Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. **Metabolism 22:435-42, Mar 73**

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med 108:9-18, Sep 72**

CYTOLOGY

Volumetric growth of the prenatal rat pituitary. Negm IM. **Acta Anat (Basel) 83:95-105, 1972**

Immunocytological observations on the localization of ACTH in the hypophysis of the dog. Ricci V, et al.
Acta Anat (Basel) 84:10-8, 1973

Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment

with thyroxine and dexamethasone. Harumiya K. **Endocrinol Jap** 19:461-75, Oct 72

Sex difference in development of fetal pituitary-gonadal axis: histologic observations on the anterior pituitary in fetal rats gonadectomized in utero. Nakai T, et al. **Endocrinol Jap** 19:483-7, Oct 72

Direct action of synthetic progestins on the hypophysis. Baker BL, et al. **Endocrinology** 92:965-72, Apr 73

Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al. **Endocrinology** 92:1153-60, Apr 73

The cellular source of melanocyte-stimulating hormone in Anguilla pituitary. Baker BI. **Gen Comp Endocrinol** 19:515-21, Dec 72

Identification hy immunofluorescence of prolactin-producing cells in the hypophysis of the newt, Triturus cristatus carnifex Laur. Veliano C, et al. **Gen Comp Endocrinol** 20:177-82, Feh 73

Synthesis and secretion of growth hormone in the rat anterior pituitary. I. The intracellular pathway, its time course and energy requirements. Howell SL, et al. **J Cell Sci** 12:1-21, Jan 73

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med** 108:9-18, Sep 72

Acetylcholine and cholinesterases (assays and light- and electron microscopial histochemistry) in different parts of the pituitary of rat, rahhit and domestic pig. Bridges TE, et al. **Z Zellforsch Mikrosk Anat** 136:1-18, 1973

Secretory surface phenomena in freeze-etched preparations of the adenohypophysial cells and neurosecretory fihers. Daikoku S, et al. **Z Zellforsch Mikrosk Anat** 136:207-14, 1973

Responses of prolactin cells of two euryhaline marine fishes, Gillichthys mirahilis and Platichthys stellatus, to environmental salinity. Nagahama Y, et al. **Z Zellforsch Mikrosk Anat** 136:153-67, 1973

Corticotrophic cells in the rostral zone of the pars intermedia and in the adjacent neurohypophysis of the rat and mouse. An electron microscopic study. Stoeckel ME, et al. **Z Zellforsch Mikrosk Anat** 136:97-110, 1973

[Topographic distrihution of mitoses in the adenohypophysis of rats after fixation hy immersion] Nouet JC, et al. **C R Soc Biol (Paris)** 166:774-9, 1972 **(Fre)**

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellohius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y. **Gen Comp Endocrinol** 19:572-81, Dec 72 (Eng. Abstr.) **(Fre)**

[Cytological changes in the distal hypophysis of Nectophrynoïdes occidentalis Angel females after ovariectomy] Zuher-Vogeli M, et al. **Gen Comp Endocrinol** 20:199-213, Feh 73 (Eng. Ahstr.) **(Fre)**

DRUG EFFECTS

Dehydroepiandrosterone-sulphate in isoproterenol cardiomegaly. Köihei F, et al. **Acta Biol Med Ger** 29:149-53, 1972

The kinetics of the pituitary-gonadal system of aihino rats during steroid treatment. Nishikawa Y. **Acta Obstet Gynaecol Jap** 19:1-15, Jan 72

Inhihition of the adrenocortical response to hypoxia hy dexamethasone. Marotta SF, et al. **Aerosp Med** 44:1-4, Jan 73

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. **Am J Obstet Gynecol** 115:606-14, 1 Mar 73

The hypothalamus and reproduction. Schally AV, et al. **Am J Obstet Gynecol** 114:423-42, 1 Oct 72 (118 ref.)

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al. **Biochem Biophys Res Commun** 50:14-9, 4 Jan 73

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. **Biol Reprod** 8:58-61, Feh 73

Evidence for neural sites of action of phenoharhital and progesterone on LH release in the hamster. Norman RL, et al. **Biol Reprod** 8:83-6, Feh 73

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Stauh JJ, et al. **Br Med J** 1:267-9, 3 Feh 73

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al. **Diabetes** 22:25-9, Jan 73

Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K. **Endocrinol Jap** 19:461-75, Oct 72

Direct action of synthetic progestins on the hypophysis. Baker BL, et al. **Endocrinology** 92:965-72, Apr 73

Alterations in transmemhrane potential of adenohypophysial cells in elevated potassium and calcium-free media. Martin S, et al. **Endocrinology** 92:1084-8, Apr 73

Ultrastructural and light microscopic ohservations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al. **Endocrinology** 92:1153-60, Apr 73

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al. **Endokrinologie** 60:251-6, 1972

The effect of oestradiol henzoate on hody, uterine, pituitary and adrenal weights in ovariectomized infantile and mature rats. Ber A. **Endokrinologie** 60:218-29, 1972

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al. **Fertil Steril** 24:116-20, Feh 73

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemherg F, et al. **Fertil Steril** 24:185-90, Mar 73

Effect of norgestrel on spermatogenesis & fertility of rats. Singh JN, et al. **Indian J Exp Biol** 10:159-62, May 72

Adrenal response to ACTH in the pig. Sehranek JG, et al. **J Anim Sci** 36:41-4, Jan 73

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two hrothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. **J Clin Endocrinol Metah** 36:612-4, Mar 73

The effect of hypothalamic gonadotrophin releasing hormones on the secretion of luteinizing hormone from the pituitary gland of the domestic fowl. Onuora GI, et al. **J Reprod Fertil** 31:494-5, Dec 72

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y. **Kobe J Med Sci** 18:109-31, Jun 72

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al. **Med J Osaka Univ** 23:77-100, Sep 72 (50 ref.)

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al. **Nature (Lond)** 240:554-6, 29 Dec 72

Neural regulation of TSH secretion: thyroxine feedback in the newhorn. Joseph SA, et al. **Neuroendocrinology** 10:197-206, 1972

Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats. Taleisnik S, et al. **Nenroendocrinology** 10:235-45, 1972

Effect of TRH and triiodothyronine on prolactin release in sheep. Deheljuk L, et al. **Proc Soc Exp Biol Med** 142:421-3, Feh 73

Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al. **Prostaglandins** 2:199-205, Sep 72

Studies on prolactin in man. Frantz AG, et al. **Recent Prog Horm Res** 28:527-90, 1972

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res** 28:173-200, 1972

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. **Recent Prog Horm Res** 28:471-526, 1972

Oral long-lasting estrogenic activity of estradiol 3-henzoate 17-cyclooctenyl ether. Falconi G, et al. **Steroids** 20:627-38, Nov 72

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al. **Tohoku J Exp Med** 108:123-31, Oct 72

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med** 108:9-18, Sep 72

[Histomorphology of organs from white Wistar rats following massive androgen administration] Bakurdzhiev D, et al.

Akush Ginekol (Sofiia) 11:414-7, 1972 (Eng. Abstr.) (Bul)
[Morphological changes in the vagina, ovary and hypophysis in experimental animals under the effect of sistocycline] Takeva Ts, et al.
Akush Ginekol (Sofiia) 11:409-14, 1972 (Eng. Abstr.) (Bul)
[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al.
C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)
[Effect of testosterone propionate on the liberation of LH in the blood of rams: demonstration of a double mechanism of retroaction] Pelletier J, et al.
C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)
[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al.
C R Soc Biol (Paris) 166:550-3, 1972 (Fre)
[Cytophysiologic study of adenohypophyseal changes in the tench treated with metopirone] Romain R, et al.
C R Soc Biol (Paris) 166:553-6, 1972 (Fre)
[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)
[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)
[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)
[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland] Domány Z, et al.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)
[Reaction of the avian pituitary gland to synthetic thyrotropin releasing factor] Shiomi K, et al.
Clin Endocrinol (Tokyo) 20:645-7, Aug 72 (Jap)
[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al.
Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)

EMBRYOLOGY

Volumetric growth of the prenatal rat pituitary. Negm IM. Acta Anat (Basel) 83:95-105, 1972
Sex difference in development of fetal pituitary-gonadal axis: histologic observations on the anterior pituitary in fetal rats gonadectomized in utero. Nakai T, et al. Endocrinol Jap 19:483-7, Oct 72
Adrenocorticotropic activity in vitro of the chick embryo pituitary gland. Pedernera EA.
Gen Comp Endocrinol 19:589-91, Dec 72

ENZYMOLOGY

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73
On a collagenase-like enzyme detected in the extracts of hypothalamus and hypophysis. Levdikova GA, et al.
Clin Chim Acta 42:205-8, Nov 72
Synthesis and secretion of growth hormone in the rat anterior pituitary. II. Properties of the isolated growth hormone storage granules. Howell SL, et al.
J Cell Sci 12:23-35, Jan 73
Synthesis and secretion of growth hormone in the rat anterior pituitary. I. The intracellular pathway, its time course and energy requirements. Howell SL, et al. J Cell Sci 12:1-21, Jan 73
Acetylcholine and cholinesterases (assays and light- and electron microscopial histochemistry) in different parts of the pituitary of rat, rabbit and domestic pig. Bridges TE, et al.
Z Zellforsch Mikrosk Anat 136:1-18, 1973
[Cholinesterase in menstrual disorders] Stojanov S.
Zentralbl Gynaekol 94:1830-3, 30 Dec 72 (Ger)

GROWTH & DEVELOPMENT

Volumetric growth of the prenatal rat pituitary. Negm IM. Acta Anat (Basel) 83:95-105, 1972
Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al.
Neuroendocrinology 11:197-211, 1973
Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přibyl T, et al.
Physiol Bohemoslov 21:497-502, 1972
Quantitative observations on the endocrine glands of rats after early postnatal lesions of the hypothalamus. Kinutani M, et al.
Tokushima J Exp Med 19:105-10, Sep 72

IMMUNOLOGY

Immunocytological observations on the localization of ACTH in the hypophysis of the dog. Ricci V, et al.
Acta Anat (Basel) 84:10-8, 1973
Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al.
Am J Vet Res 34:181-3, Feb 73
Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73

INJURIES

[Traumatic brain lesions. Mechanics of pathogenesis, pathomorphology and clinical course] Unterharnscheidt FJ.
Z Rechtsmed 71:153-221, 1972 (Eng. Abstr.) (Ger)

METABOLISM

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73
Estrogen formation in the brain. Ryan KJ, et al.
Am J Obstet Gynecol 114:454-60, 15 Oct 72
Pituitary binding sites for (3 H)-labelled luteinizing hormone releasing factor (LRF). Grant G, et al.
Biochem Biophys Res Commun 50:771-8, 5 Feb 73
Measurement of growth hormone synthesis by rat pituitary cells in culture. Bancroft FC.
Endocrinology 92:1014-21, Apr 73
The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al.
Fertil Steril 24:116-20, Feb 73
Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al.
Gen Comp Endocrinol 20:61-8, Feb 73
Synthesis and secretion of growth hormone in the rat anterior pituitary. II. Properties of the isolated growth hormone storage granules. Howell SL, et al.
J Cell Sci 12:23-35, Jan 73
Synthesis and secretion of growth hormone in the rat anterior pituitary. I. The intracellular pathway, its time course and energy requirements. Howell SL, et al. J Cell Sci 12:1-21, Jan 73
Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73
Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72
Pituitary and blood LH in the male lamb. Courot M, et al. J Reprod Fertil 31:497-8, Dec 72
Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al.
Jap J Physiol 22:491-503, Oct 72
Receptor-estrogen complex in the nuclear fraction of the pituitary and hypothalamus of male and female immature rats. Clark JH, et al.
Neuroendocrinology 10:218-28, 1972
Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al.
Neuroendocrinology 11:240-7, 1973
Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přibyl T, et al.
Physiol Bohemoslov 21:497-502, 1972
Further characteristics of the association of thyroxine with adenohypophysial proteins in vitro. Přihyl T, et al. Physiol Bohemoslov 21:503-10, 1972
Tissue distribution of radioiodinated human growth

hormone in the mouse. Mizejewski GJ.
Proc Soc Exp Biol Med 142:589-94, Feb 73

Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al.
Proc Soc Exp Biol Med 142:516-20, Feb 73

Mammary transfer of 203 Hg from mothers to brains of nursing rats. Yang MG, et al.
Proc Soc Exp Biol Med 142:723-6, Feb 73

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al.
C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 **(Fre)**

[Subacute action of low concentrations of chlorinated ethanes on rats with and without additional ethanol treatment. I. Biochemical and toxicometrical aspects, especially results in subacute and chronic toxicity studies with 1.1.2.2-tetrachloroethane] Schmidt P, et al.
Int Arch Arbeitsmed 30:283-98, 1972 (Eng. Abstr.) **(Ger)**

[Excretion of lactogenic hormone during pregnancy] Shirokinskaia ON, et al.
Akush Ginekol (Mosk) 48:30-2, Nov 72 (Eng. Abstr.) **(Rus)**

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci** 264:143-7, Aug 72

Neurosecretory system function of guinea pigs under influence of staphylococcal alpha toxin. Kwarecki K, et al. **Pathol Microbiol (Basel)** 38:411-6, 1972

PHYSIOLOGY

Immunocytological observations on the localization of ACTH in the hypophysis of the dog. Ricci V, et al.
Acta Anat (Basel) 84:10-8, 1973

Studies on glucose uptake by rat adipose tissue as modified by hypophysectomy and-or insulin addition to the incubating media. Renauld A, et al.
Acta Physiol Lat Am 22:154-60, 1972

The effect of hypophysectomy on ketonemia and liver lipids in pancreatectomized dogs. Roldán AG, et al.
Acta Physiol Lat Am 22:166-70, 1972

Calcium metabolism in pancreatic disease. D'Souza A, et al. **Am J Clin Nutr** 26:352-61, Mar 73 (113 ref.)

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Studies on the synthesis of prostaglandins in the vesicular glands of essential fatty acid-deficient and hypophysectomized rats. Tan WC, et al.
Biochim Biophys Acta 296:586-92, 8 Mar 73

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73

Stimulation of aldosterone secretion by hemorrhage in dogs after nephrectomy and decapitation. McCaa RE, et al. **Circ Res** 32:356-62, Mar 73

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73

Effects of vaginal stimulation and pituitary hormones on sleep patterns in the female rabbit. Dufy B, et al.
Endocrinology 92:1293-5, Apr 73

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. **Endocrinology** 92:1089-95, Apr 73

Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Pavlovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Taliián F, et al. **Endokrinologie** 60:279-84, 1972

Pituitary-gonadal function before and after vasectomy. Wieland RG, et al. **Fertil Steril** 23:779-81, Oct 72

Effect of hypophysectomy on renal function in the western painted turtle (Chrysemys picta bellii). Butler DG. **Gen Comp Endocrinol** 19:377-85, Dec 72

Effect of hypophysectomy on renal function in the freshwater North American eel (Anguilla rostrata LeSueur). Butler DG.
Gen Comp Endocrinol 20:125-36, Feb 73

Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt. Compher MK Jr, et al.
Gen Comp Endocrinol 20:29-40, Feb 73

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al.
Gen Comp Endocrinol 20:53-60, Feb 73

Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens. Gona AG, et al. **Gen Comp Endocrinol** 20:107-11, Feb 73

Adrenocorticotropic activity in vitro of the chick embryo pituitary gland. Pedernera EA.
Gen Comp Endocrinol 19:589-91, Dec 72

Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF.
Gen Comp Endocrinol 20:137-43, Feb 73

Renin-angiotensin system in chronically hypophysectomized rats. Rojo-Ortega JM, et al.
Horm Metab Res 4:500-5, Nov 72

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. **Hormones** 3:42-64, 1972

The effect of dihydroergotamine on lipolysis stimulated by human chorionic somato-mammotropin in hypophysectomized dogs. Sirek AM, et al.
Hormones 3:221-7, 1972

A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. Gospodarowicz D.
J Biol Chem 248:1314-7, 25 Feb 73

Mechanism of effect of prostaglandin E 1 on renal water excretion. Berl T, et al. **J Clin Invest** 52:463-71, Feb 73

Mechanism of effect of alpha adrenergic stimulation with norepinephrine on renal water excretion. Schrier RW, et al. **J Clin Invest** 52:502-11, Feb 73

Plasma-corticosterone levels during active-avoidance learning in rats. Coover GD, et al.
J Comp Physiol Psychol 82:170-4, Jan 73

Behavioral responsiveness of adrenalectomized, hypophysectomized, and intact rats to electric shock. Gibbs J, et al. **J Comp Physiol Psychol** 82:165-9, Jan 73

Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC.
J Natl Cancer Inst 48:113-8, Jan 72

Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al.
J Pharmacol Exp Ther 184:285-90, Jan 73

Pituitary control of the ovine corpus luteum. Denamur R, et al. **J Reprod Fertil** 32:207-20, Feb 73

The pituitary gland and pregnancy in the marsupial, Macropus eugenii, employing hypophysectomy and radioimmunoassay for gonadotrophin. Hearn JP.
J Reprod Fertil 32:328-9, Feb 73

Studies on the vitamin B12 binding capacity in the hypophysectomized rat stomach. Ono S, et al.
J Vitaminol (Kyoto) 18:235-6, 10 Dec 72

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

Melanocyte-stimulating hormone and parkinsonism. Shuster S, et al. **Lancet** 1:463-4, 3 Mar 73

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al.
Neuroendocrinology 11:229-39, 1973

Electrical changes induced in rat adenohypophysial cells, in vivo, with hypothalamic extract. York DH, et al. **Neuroendocrinology** 11:212-28, 1973

Induction and suppression of lactation in animals. Cowie AT. **Proc R Soc Med** 65:1084-5, Dec 72 (8 ref.)

Regulatory effect of amino acids on polyribosomes and protein synthesis of liver. Sidransky H.
Prog Liver Dis 4:31-43, 1972 (70 ref.)

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res** 28:229-86, 1972

Diabetes through the ages: a salute to insulin. Schneider T. S **Afr Med J** 46:1394-400, 23 Sep 72

Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et al. **Science** 179:1330-1, 30 Mar 73

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72

[The value of an ACTH stimulation test for assessing the hypothalamus-hypophysis-adrenal cortex axis in patients treated with glucocorticoid preparations] Kehlet H, et al.

Ugeskr Laeger 134:2089-92, 2 Oct 72 (Eng. Abstr.) (Dan)

[Prolactin enhancement of absorption of sodium ions in isolated gills from larva of Ambystoma mexicanum] Wittouck PJ.
Arch Int Physiol Biochim 80:825-7, Oct 72 (Eng. Abstr.) (Fre)

[Cytological changes in the distal hypophysis of Nectophrynoïdes occidentalis Angel females after ovariectomy] Zuber-Vogeli M, et al.
Gen Comp Endocrinol 20:199-213, Feb 73 (Eng. Abstr.) (Fre)

[Column chromatographic studies on collagen in hypophysectomized and orchidectomized rats] Rodermund OE, et al.
Arch Dermatol Forsch 244:529-30, 1972 (Ger)

[Regulation of cholesterol-7-alpha-hydroxylase activity] Mayer D, et al.
Hoppe Seylers Z Physiol Chem 353:1550, Oct 72 (Ger)

[New problems of thyroid physiology during pregnancy] Mizuno M, et al.
Clin Endocrinol (Tokyo) 20:715-23, Sep 72 (Jap)

[Studies on vegetative brain centers in children] Niewiedzioł B. Pol Tyg Lek 28:65-7, 8 Jan 73 (Pol)

[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)

[The endocrine function of the thymus] Gruntenko EV.
Probl Endokrinol (Mosk) 18:110-5, Nov-Dec 72 (108 ref.) (Rus)

PHYSIOPATHOLOGY

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. Am J Med Sci 264:143-7, Aug 72

The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al.
Arch Int Physiol Biochim 80:679-84, Oct 72

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. Eur J Clin Invest 2:384-9, Nov 72

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. Hormones 3:65-76, 1972

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

Neurosecretory system function of guinea pigs under influence of staphylococcal alpha toxin. Kwarecki K, et al. Pathol Microbiol (Basel) 38:411-6, 1972

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

[Effect of ammonium chloride therapy on bronchial asthma] Fazekas IG.
Allerg Immunol (Leipz) 18:57-64, 1972 (Eng. Abstr.) (Ger)

[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)

[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al.
Med Welt 23:1810-2, 25 Nov 72 (Ger)

[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)

RADIATION EFFECTS

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Walinder G.
Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73

SECRETION

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al.
Am J Physiol 224:543-7, Mar 73

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. Biol Reprod 8:58-61, Feb 73

Pituitary gonadotropin release patterns in pre-spawning brook trout, Salvelinus fontinalis, rainbow trout, Salmo gairdneri and leopard frogs, Rana pipiens. O'Connor JM.
Comp Biochem Physiol [A] 43:739-46, 1 Dec 72

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al.
Diabetes 22:25-9, Jan 73

Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al.
Eur J Pharmacol 20:238-40, Nov 72

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al.
Fertil Steril 24:116-20, Feb 73

Autoregulation of the secretion of MSH in incubates of toad pars intermedia. Iturriza FC.
Gen Comp Endocrinol 20:168-71, Feb 73

Identification by immunofluorescence of prolactin-producing cells in the hypophysis of the newt, Triturus cristatus carnifex Laur. Vellano C, et al. Gen Comp Endocrinol 20:177-82, Feb 73

Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. J Comp Physiol Psychol 82:60-5, Jan 73

The effect of hypothalamic gonadotrophin releasing hormones on the secretion of luteinizing hormone from the pituitary gland of the domestic fowl. Onuora GI, et al. J Reprod Fertil 31:494-5, Dec 72

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al.
Jap J Physiol 22:491-503, Oct 72

Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. Neuroendocrinology 10:207-17, 1972

Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al.
Neuroendocrinology 11:197-211, 1973

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al.
Neuroendocrinology 11:229-39, 1973

Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Quadri SK, et al.
Neuroendocrinology 11:248-55, 1973

Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats. Taleisnik S, et al. Neuroendocrinology 10:235-45, 1972

Electrical changes induced in rat adenohypophysial cells, in vivo, with hypothalamic extract. York DH, et al. Neuroendocrinology 11:212-28, 1973

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al.
Steroids 20:627-38, Nov 72

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al.
Tohoku J Exp Med 108:123-31, Oct 72

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)

[The effect of castration on the follicle stimulating function of the hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM.

Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Abstr.) (Rus)

SURGERY

[Cryobiology in urology] Kondo A.
Jap J Urol 63:714-9, Sep 72 (Jap)

TRANSPLANTATION

Mammary gland tumors in substrains C57BL-M and C57BL-He mice. Heston WE, et al.
J Natl Cancer Inst 49:805-12, Sep 72

PITUITARY GLAND FUNCTION TESTS

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972

Methadone--a recvaluation. Martin WR, et al.
Arch Gen Psychiatry 28:286-95, Feb 73

Glucagon and growth hormone.
Br Med J 1:188-9, 27 Jan 73

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73

Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. Life Sci [I] 11:823-30, 1 Jul 72

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

Effect of levodopa (L-dopa) on serum growth hormone in children with short stature. Chakmakjian ZH, et al.
Pediatr Res 7:71-4, Feb 73

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al.
Klin Wochenschr 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)

[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al.
Med Welt 23:1810-2, 25 Nov 72 (Ger)

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:19-22, Jul-Aug 72 (Eng. Abstr.) (Rus)

PITUITARY GLAND IRRADIATION

External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al.
Can Med Assoc J 107:860-2, 4 Nov 72

Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73

Treatment of advanced carcinoma of the prostate by yttrium-90 ablation. Steyn J, et al.
S Afr Med J 47:179-80, 3 Feb 73

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972

[On the use of isotope hypophysectomy with yttrium 90 in mammary neoplasms] Oproiu A.
Stud Cercet Endocrinol 24:125-30, 1973 (Rum)

[Hypophysolysis by interstitial irradiation in the treatment of advanced breast cancer] Pobiete M.
Rev Med Chil 100:1241-3, Oct 72 (Spa)

ADVERSE EFFECTS

Irradiation of the hypophysis. Mackenzie P, et al.
Can Med Assoc J 108:136, 20 Jan 73

Treatment of advanced carcinoma of the prostate by yttrium-90 ablation. Steyn J, et al.
S Afr Med J 47:179-80, 3 Feb 73

[Hypophysolysis by interstitial irradiation in the treatment of advanced breast cancer] Pobiete M.
Rev Med Chil 100:1241-3, Oct 72 (Spa)

PITUITARY GLAND, POSTERIOR

ANALYSIS

Isolation of (Arg 8)vasopressin from the neurophysin complex by free-flow continuous electrophoresis. Prusik Z, et al.
Hoppe Seylers Z Physiol Chem 353:1837-40, Dec 72

The tentative identification of three neurophysins from the rat posterior pituitary gland. Watkins WB.
J Endocrinol 55:577-89, Dec 72

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)

ANATOMY & HISTOLOGY

Volumetric growth of the prenatal rat pituitary. Negm IM. Acta Anat (Basel) 83:95-105, 1972

CYTOLOGY

Secretory surface phenomena in freeze-etched preparations of the adenohypophysial cells and neurosecretory fibers. Daikoku S, et al.
Z Zellforsch Mikrosk Anat 136:207-14, 1973

The hypothalamo-hypophysial system in Acipenseridae. 3. The neurohypophysis of Acipenser güldenstädti Brandt and Acipenser stellatus Pallas. Polenov AL, et al.
Z Zellforsch Mikrosk Anat 136:461-77, 6 Feb 73

Corticotrophic cells in the rostral zone of the pars intermedia and in the adjacent neurohypophysis of the rat and mouse. An electron microscopic study. Stoeckel ME, et al.
Z Zellforsch Mikrosk Anat 136:97-110, 1973

DRUG EFFECTS

The release in vitro of vasopressin unaccompanied by the axoplasmic enzymes: lactic acid dehydrogenase and adenylate kinase. Edwards BA, et al.
Acta Endocrinol (Kbh) 72:417-24, Mar 73

Chlorpropamide in diabetes insipidus. Aloia JF, et al.
Am J Med Sci 264:225-32, Sep 72

[Effect of colchicine on the elementary granule depletion of neurosecretory endings induced by dehydration in rats] Boudier JL.
C R Soc Biol (Paris) 166:650-3, 1972 (Fre)

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al.
J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)

ENZYMOLOGY

The release in vitro of vasopressin unaccompanied by the axoplasmic enzymes: lactic acid dehydrogenase and adenylate kinase. Edwards BA, et al.
Acta Endocrinol (Kbh) 72:417-24, Mar 73

A study of lactate dehydrogenase (LDH) in the supraopticohypophyseal system of the rat. Norström A, et al. Exp Neurol 37:502-9, Dec 72

[Evaluation of vasopressin and enzymologic changes in the hypothalamo-neurohypophyseal system of rats after adrenalectomy] Burlet A, et al.
J Physiol (Paris) 65:Suppl:207A-208, Oct 72 (Fre)

GROWTH & DEVELOPMENT

Volumetric growth of the prenatal rat pituitary. Negm IM. Acta Anat (Basel) 83:95-105, 1972

Hypothalamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis. Chetverukhin VK. Neurosci Behav Physiol 5:200-11, Jul-Sep 72

METABOLISM

The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al.
Arch Int Physiol Biochim 80:679-84, Oct 72

Distribution of soluble proteins in the mammalian neurohypophysis and their cross-species reactivity with anti-neurophysin. Ellis HK, et al.
J Endocrinol 55:565-75, Dec 72

PATHOLOGY

[Effect of colchicine on the elementary granule depletion of neurosecretory endings induced by dehydration in rats] Boudier JL.
C R Soc Biol (Paris) 166:650-3, 1972 (Fre)

PHYSIOLOGY

The human hypothalamus and pituitary stalk after hypophysectomy or pituitary stalk section. Daniel PM, et al. **Brain** 95:813-24, 1972

Neurohypophyseal origin of a humoral factor restoring volume natriuresis in acutely hypophysectomized rats. Lichardus B, et al.
Experientia 28:1443-4, 15 Dec 72

SECRETION

The release in vitro of vasopressin unaccompanied by the axoplasmic enzymes: lactic acid dehydrogenase and adenylate kinase. Edwards BA, et al.
Acta Endocrinol (Kbh) 72:417-24, Mar 73

Chlorpropamide in diabetes insipidus. Aloia JF, et al.
Am J Med Sci 264:225-32, Sep 72

Increased antidiuretic hormone production after trauma to the craniofacial complex. Becker RM, et al.
J Trauma 13:112-5, Feb 73

Release of melanocyte-stimulating hormone from the rat posterior pituitary lobe incubated in situ and from the hypothalamus. Cyrkowicz A.
Neuroendocrinology 10:257-60, 1972

Secretory surface phenomena in freeze-etched preparations of the adenohypophysial cells and neurosecretory fibers. Daikoku S, et al.
Z Zellforsch Mikrosk Anat 136:207-14, 1973

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al.
J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)

[Study of the secretion of posthypophyseal antidiuretic hormone in the alloxanic syndrome] Levet E, et al.
Therapie 27:955-64, Sep-Oct 72 (Eng. Abstr.) (Fre)

SURGERY

The human hypothalamus and pituitary stalk after hypophysectomy or pituitary stalk section. Daniel PM, et al. **Brain** 95:813-24, 1972

11. Disorders of the Pituitary Gland

ACROMEGALY

[Human somatotropic adenomas in organotypic culture, ultrastructure and secretion studied with tritiated leucine] Peillon F, et al.
C R Acad Sci [D] (Paris) 275:2251-4, 13 Nov 72 (Fre)

BLOOD

Hormonal influences on the concentration of tyrosine in blood. Lange WE de, et al.
Clin Chim Acta 42:21-7, Nov 72
Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly. Johnson RH, et al. **Clin Sci 44:63-71, Jan 73**
Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73
Studies of human neuropbysin by radioimmunoassay. Cheng KW, et al.
J Clin Endocrinol Metab 36:553-60, Mar 73
A homologous radioimmunoassay for human prolactin. Sinha YN, et al.
J Clin Endocrinol Metab 36:509-16, Mar 73
[Immunochemical determination of the growth hormone] Engelberth O, et al.
Vnitr Lek 19:24-31, Jan 73 (Eng. Abstr.) (Cze)
[Comparison of some radioimmunological methods for determination of somatotropin in human plasma (with reference to sex and acromegaly)] Nedvídková J, et al. **Vnitr Lek 19:142-50, Feb 73 (Eng. Abstr.) (Cze)**
[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

Prolonged levodopa therapy. **Br Med J 1:373, 17 Feb 73**

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
Cardiomyopathy associated with endocrine disorders. DeGroot WJ. **Cardiovasc Clin 4:305-31, 1972 (86 ref.)**
Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. **Med Ann DC 42:17-22, Jan 73**
[Diabetes associated with endocrine diseases] Shima K, et al. **Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)**
[State of the cardiovascular system in patients with acromegaly] Viazitskiĭ PO, et al.
Probl Endokrinol (Mosk) 18:31-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Case of pachydermoperiostosis] Jolie P, et al.
J Belge Rhumatol Med Phys 27:274-83, 1972 (Dut)

DRUG THERAPY

Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. **Med Ann DC 42:17-22, Jan 73**

HISTORY

Disabled authors and fictional counterparts. Miller DS, et al. **Clin Orthop 89:76-93, 1972**

IMMUNOLOGY

[Immunochemical determination of the growth hormone] Engelberth O, et al.
Vnitr Lek 19:24-31, Jan 73 (Eng. Abstr.) (Cze)

METABOLISM

Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly. Johnson RH, et al. **Clin Sci 44:63-71, Jan 73**
The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73
Insulin receptors in human circulating lymphocytes: application to the study of insulin resistance in man. Archer JA, et al.
J Clin Endocrinol Metab 36:627-33, Apr 73
[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al.
Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. **Cardiovasc Clin 4:305-31, 1972 (86 ref.)**
Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al.
J Clin Endocrinol Metab 36:531-47, Mar 73
Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. **Med Ann DC 42:17-22, Jan 73**
[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

PHYSIOPATHOLOGY

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972
Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res 28:173-200, 1972**
[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)
[State of the cardiovascular system in patients with acromegaly] Viazitskiĭ PO, et al.
Probl Endokrinol (Mosk) 18:31-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. **Med Ann DC 42:17-22, Jan 73**

URINE

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al.
Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)

ADENOMA, CHROMOPHOBE

Unusual metastases from a transitional-cell carcinoma of the renal pelvis and ureter. Burns WA, et al.
Med Ann DC 42:65-6, Feb 73

BLOOD

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72
Clomipbene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73

ETIOLOGY

Appearance of Nelson's syndrome despite pituitary

irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73

METABOLISM

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73

PATHOLOGY

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al.
J Natl Cancer Inst 49:701-11, Sep 72

[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

PREVENTION & CONTROL

Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73

RADIOGRAPHY

The significance of the failed pneumoencephalogram. Wastie ML. **J Neurol Sci 17:309-21, Nov 72**

VETERINARY

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al.
J Natl Cancer Inst 49:701-11, Sep 72

ADENOMA, EOSINOPHILIC

METABOLISM

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

PATHOLOGY

Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al.
J Clin Endocrinol Metab 36:531-47, Mar 73

[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

CHIARI-FROMMEL SYNDROME

[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)

CRANIOPHARYNGIOMA

COMPLICATIONS

A versatile color confrontation test for the central visual field. A comparison with quantitative perimetry. **Frisén L. Arch Ophthalmol 89:3-9, Jan 73**

Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. **Brain 95:249-64, 1972**

DIAGNOSIS

Mild anemia accompanied by systemic symptoms. Raffetto JR, et al. **Nebr Med J 58:68-9, Mar 73**

[Results of nuclear medical and neuroradiological studies in postoperative brain tumor recurrences] Trapp P, et al.
Nucl Med (Stuttg) 11:234-46, 15 Nov 72 (Eng. Abstr.) (Ger)

METABOLISM

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

PATHOLOGY

[The ultrastructure of craniopharyngioma] Landolt AM.
Schweiz Arch Neurol Neurochir Psychiatr 111:313-29, 1972 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Change of delta activity during rapid eye movement sleep in patients with brain tumor. Ogami S.
Electroencephalogr Clin Neurophysiol 34:153-62, Feb 73

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res 28:173-200, 1972**

SURGERY

[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al.
Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) (Ger)

DIABETES INSIPIDUS

[Diabetes insipidus and pregnancy. (Considerations on uterine contractility)] Plotti G, et al.
Ann Ostet Ginecol 93:220-9, Mar 72 (Eng. Abstr.) (Fre)

BLOOD

Studies of human neurophysin by radioimmunoassay. Cheng KW, et al.
J Clin Endocrinol Metab 36:553-60, Mar 73

ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al.
Life Sci [I] 11:65-72, 15 Jan 72

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus. Dousa TP, et al.
Proc Soc Exp Biol Med 142:720-2, Feb 73

COMPLICATIONS

Cranial eosinophilic granuloma associated with diabetes insipidus. Gill DG, et al.
Ir J Med Sci 141:31-4, Jan-Mar 72

[Therapy of renal diabetes insipidus] Eigler J.
Dtsch Med Wochenschr 98:74, 12 Jan 73 (Ger)

CONGENITAL

ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al.
Life Sci [I] 11:65-72, 15 Jan 72

DIAGNOSIS

Clinical observations on the mechanism of the antidiuretic action of chlorpropamide in vasopressin-sensitive diabetes insipidus and in normal subjects. Hadden DR, et al.
Hormones 3:77-96, 1972

[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al.
Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) (Ger)

DRUG THERAPY

Chlorpropamide in diabetes insipidus. Aloia JF, et al.
Am J Med Sci 264:225-32, Sep 72

Clinical observations on the mechanism of the antidiuretic action of chlorpropamide in vasopressin-sensitive diabetes insipidus and in

normal subjects. Hadden DR, et al. Hormones 3:77-96, 1972

Cranial eosinophilic granuloma associated with diabetes insipidus. Gill DG, et al. Ir J Med Sci 141:31-4, Jan-Mar 72

Lypressin (Diapid) and other drugs for diabetes insipidus. Med Lett Drugs Ther 14:98-9, 22 Dec 72

The clinical use of diuretics. 2. Frazier HS, et al. N Engl J Med 288:455-7, 1 Mar 73 (8 ref.)

[Therapy of renal diabetes insipidus] Eigler J. Dtsch Med Wochenschr 98:74, 12 Jan 73 (Ger)

[Antidiuretic effect of carbamazepin in diabetes insipidus] Uhlich E, et al. Klin Wochenschr 50:1127-33, 15 Dec 72 (Eng. Abstr.) (Ger)

[Iatrogenic complications in the management of diabetes insipidus using posterior pituitary extract in powder form] Windischbauer G. Wien Klin Wochenschr 85:103-7, 16 Feb 73 (Ger)

[Therapy of diabetes insipidus with a synthetic arginine-vasopressin analog] Oravec D, et al. Z Gesamte Inn Med 27:993-4, 15 Nov 72 (Eng. Abstr.) (Ger)

[Vasopressin] Murase T, et al. Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) (Jap)

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R. Ginekol Pol 44:1-7, Jan 73 (Pol)

[Treatment with chlorpropamide and clofibrate in diabetes insipidus] Pencea V, et al. Rev Med Chir Soc Med Nat Iasi 76:913-8, Oct-Dec 72 (Eng. Abstr.) (Rum)

ENZYMOLOGY

Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus. Dousa TP, et al. Proc Soc Exp Biol Med 142:720-2, Feb 73

ETIOLOGY

Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. Brain 95:249-64, 1972

Increased antidiuretic hormone production after trauma to the craniofacial complex. Becker RM, et al. J Trauma 13:112-5, Feb 73

[Transphenoidal hypophysectomy in the treatment of Cushing's disease] Marriq P, et al. Nouv Presse Med 1:3203, 30 Dec 72 (Fre)

[Diabetes insipidus caused by erythroleukemia] Merchante Iglesias A, et al. Rev Clin Esp 126:429-32, 15 Sep 72 (Spa)

FAMILIAL & GENETIC

Increased potassium intake and kaliopenic nephropathy in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:679-83, 15 Jul 72

Ultrastructural studies on the hypothalamic neurosecretory neurons of the rat. II. The hypothalamo-neurohypophysial system in rats with hereditary hypothalamic diabetes insipidus. Kalimo H, et al. Z Zellforsch Mikrosk Anat 134:205-25, 1972

METABOLISM

Tritiated digoxin. XIX. Turnover studies in diabetes insipidus. Bissett JK, et al. Am J Cardiol 31:327-30, Mar 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al. Eur J Clin Invest 3:49-56, Jan 73

Clinical observations on the mechanism of the antidiuretic action of chlorpropamide in vasopressin-sensitive diabetes insipidus and in normal subjects. Hadden DR, et al. Hormones 3:77-96, 1972

Increased potassium intake and kaliopenic nephropathy in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:679-83, 15 Jul 72

ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:65-72, 15 Jan 72

PATHOLOGY

Increased potassium intake and kaliopenic nephropathy in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:679-83, 15 Jul 72

Ultrastructural studies on the hypothalamic neurosecretory neurons of the rat. II. The hypothalamo-neurohypophysial system in rats with hereditary hypothalamic diabetes insipidus. Kalimo H, et al. Z Zellforsch Mikrosk Anat 134:205-25, 1972

PHYSIOPATHOLOGY

Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diabetes insipidus. Errington ML, et al. J Physiol (Lond) 227:395-418, Dec 72

[Kidney and cyclic AMP] Osawa M, et al. Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)

URINE

Clofibrate-induced antidiuresis. Moses AM, et al. J Clin Invest 52:535-42, Mar 73

ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:65-72, 15 Jan 72

VETERINARY

Ultrastructural studies on the hypothalamic neurosecretory neurons of the rat. II. The hypothalamo-neurohypophysial system in rats with hereditary hypothalamic diabetes insipidus. Kalimo H, et al. Z Zellforsch Mikrosk Anat 134:205-25, 1972

DWARFISM

Pycnodysostosis (the malady of Toulouse Lautrec). A case report. Chandrasekhar KP, et al. J Assoc Physicians India 20:867-70, Nov 72

[Oligophrenia--selected syndromes XXI. Dyggve-Melchior-Clausen syndrome (DMC syndrome)] Dyggve HV, et al. Ugeskr Laeger 135:127, 15 Jan 73 (Dan)

[Turner phenotype in males] Nielsen J, et al. Ugeskr Laeger 135:122-4, 15 Jan 73 (Eng. Abstr.) (Dan)

[Lipoatrophic diabetes--the Berwardinelli-Seip-Lawrence syndrome] Bartkowiak K, et al. Wiad Lek 26:45-8, 1 Jan 73 (Pol)

BLOOD

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

COMPLICATIONS

Spina bifida cystica. Results of treatment of 270 consecutive cases with criteria for selection for the future. Lorber J. Arch Dis Child 47:854-73, Dec 72

Pseudo-achondrogenesis with fractures. Harris R, et al. Clin Genet 3:435-41, 1972

Hip problems in systemic disease. Funk FJ Jr. Clin Orthop 90:2-3, Jan-Feb 73

The hip in heritable conditions of connective tissue. Stelling FH. Clin Orthop 90:33-49, Jan-Feb 73

Osteogenesis imperfecta tarda (a case report). Pande RS, et al. J Assoc Physicians India 20:463-5, Jun 72

Thanatophoric dwarfism and cloverleaf skull ("kleeblattschädel"). Young RS, et al. Radiology 106:401-5, Feb 73

[Congenital asymmetry and nervous system disorders in the Prader-Labhart-Willi syndrome] Gaal K, et al. Kinderaerztl Prax 40:453-60, Oct 72 (Ger)

[E 18 ring chromosome--case report and review] Grosse KP, et al. Klin Paediatr 184:495-500, Nov 72 (Eng. Abstr.) (Ger)

[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al. Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) (Rus)

CONGENITAL

Pseudo-achondrogenesis with fractures. Harris R, et al. Clin Genet 3:435-41, 1972

DIAGNOSIS

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73
[2 cases of spondylo-metaphysial dysostosis: Mürk Jansen's disease and Schmidt's disease] Labat JP.
Bord Med 5:1419-26, Jun 72 (Eng. Abstr.) (Fre)
[Growth anomalies (including dwarfism)] Okada Y.
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)

DRUG THERAPY

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al.
Diabetes 22:25-9, Jan 73
Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

ETIOLOGY

The role of the placenta in fetal and perinatal pathology. Highlights of an eight months' study. Altshuler G, et al.
Am J Obstet Gynecol 113:616-26, 1 Jul 72
[The evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)
[Growth anomalies (including dwarfism)] Okada Y.
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Ocular and genetic features of Cockayne's syndrome. Pearce WG. Can J Ophthalmol 7:435-44, Oct 72
Pseudo-achondrogenesis with fractures. Harris R, et al.
Clin Genet 3:435-41, 1972
Spontaneous chromosomal instability. Passarge E.
Humangenetik 16:151-7, 1972
Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
Syndrome of microcephaly, cataracts, kyphosis, and joint contractures versus Cockayne's syndrome. Sugarman GI. J Pediatr 82:351-2, Feb 73
Trimethylaminuria and inherited Noonan's syndrome. Calvert GD. Lancet 1:320-1, 10 Feb 73
The genetics of thanatophoric dwarfism. Pena SD, et al.
Pediatrics 51:104-9, Jan 73
Thanatophoric dwarfism and cloverleaf skull ("kleeblattschädel"). Young RS, et al.
Radiology 106:401-5, Feb 73
[X ring chromosome] Bléder J, et al.
Ann Med Psychol (Paris) 2:402-9, Sep-Oct 72 (Fre)

METABOLISM

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al.
Diabetes 22:25-9, Jan 73

PATHOLOGY

Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
Assessment of the sella turcica volume in dwarfed children. Underwood LE, et al.
J Clin Endocrinol Metab 36:734-41, Apr 73
Metaphyseal dysostosis: a rough surfaced endoplasmic reticulum storage defect. Cooper RR, et al.
Lab Invest 28:119-25, Jan 73

PHYSIOPATHOLOGY

[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) (Rus)
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Pseudo-achondrogenesis with fractures. Harris R, et al.
Clin Genet 3:435-41, 1972
Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
The genetics of thanatophoric dwarfism. Pena SD, et al.
Pediatrics 51:104-9, Jan 73
Thanatophoric dwarfism and cloverleaf skull ("kleeblattschädel"). Young RS, et al.
Radiology 106:401-5, Feb 73

URINE

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73

VETERINARY

Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73

DWARFISM, PITUITARY

Septo-optic dysplasia with growth hormone deficiency (De Morsier syndrome). Harris RJ, et al.
Arch Dis Child 47:973-6, Dec 72

BLOOD

The advantages of combined stimulation by arginine and insulin in the study of the secretion of growth hormone. Ruitton A, et al.
Rev Eur Etud Clin Biol 17:846-54, Nov 72
[Growth disorders in childhood] Bierich JR.
Fortschr Med 90:961-6, 28 Sep 72 (Ger)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) (Rus)

CONGENITAL

Lymphocytes, hormones and ageing. Fahris N, et al.
Nature (Lond) 240:557-9, 29 Dec 72

DIAGNOSIS

Septo-optic dysplasia with growth hormone deficiency (De Morsier syndrome). Harris RJ, et al.
Arch Dis Child 47:973-6, Dec 72
Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73
[Growth disorders in childhood] Bierich JR.
Fortschr Med 90:961-6, 28 Sep 72 (Ger)

DRUG THERAPY

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73
[Growth disorders in childhood] Bierich JR.
Fortschr Med 90:961-6, 28 Sep 72 (Ger)

ETIOLOGY

[Growth disorders in childhood] Bierich JR.
Fortschr Med 90:961-6, 28 Sep 72 (Ger)

PITUITARY

DWARFISM

FAMILIAL & GENETIC

[Growth disorders in childhood] Bierich JR.
Fortschr Med 90:961-6, 28 Sep 72 **(Ger)**

IMMUNOLOGY

Growth hormone and lymphocyte transformation. Vanderschueren-Lodeweyckx, et al.
Lancet 1:441, 24 Feb 73

METABOLISM

Lymphocytes, hormones and ageing. Fabris N, et al.
Nature (Lond) 240:557-9, 29 Dec 72

PHYSIOPATHOLOGY

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res** 28:173-200, 1972
[Studies of small vessels of the skin in some chronic diseases in children] Sztachelska I.
Pediatr Pol 48:39-49, Jan 73 (Eng. Abstr.) **(Pol)**
[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) **(Rus)**
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

URINE

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73

VETERINARY

Lymphocytes, hormones and ageing. Fabris N, et al.
Nature (Lond) 240:557-9, 29 Dec 72

FROEHLICH'S SYNDROME

DIAGNOSIS

[Obesity] Irie M, et al.
Jap J Clin Med 30:2230-4, Nov 72 (20 ref.) **(Jap)**

THERAPY

[Adiposogenital dystrophy] Bierich JR.
Dtsch Med Wochenschr 98:31-2, 5 Jan 73 **(Ger)**

GIGANTISM

[Gigantism phenomenon in a population of nematode parasites of Malagasy turtles] Petter AJ, et al.
Ann Parasitol Hum Comp 47:581-3, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) **(Fre)**

PHYSIOPATHOLOGY

[State of the organ of vision in children and adolescents with growth disorders] Kizel'man ZD, et al.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

HYPOPITUITARISM

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:19-22, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

BLOOD

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72
Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73
The advantages of combined stimulation by arginine and insulin in the study of the secretion of growth hormone. Ruitton A, et al.
Rev Eur Etud Clin Biol 17:846-54, Nov 72
Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) **(Jap)**

CHEMICALLY INDUCED

[Iatrogenic complications in the management of diabetes insipidus using posterior pituitary extract in powder form] Windischbauer G.
Wien Klin Wochenschr 85:103-7, 16 Feb 73 **(Ger)**

COMPLICATIONS

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci** 264:143-7, Aug 72
Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. **Obstet Gynecol** 41:414-8, Mar 73
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) **(Ger)**
[Panhypopituitarism with hepatic ceroid storage disease] Kakiuchi H, et al.
Jap J Clin Med 30:2367-71, Nov 72 **(Jap)**

DIAGNOSIS

A simple examination for pituitary hypofunction. Heimansohn H.
J Indiana State Dent Assoc 52:32, Jan 73
Mild anemia accompanied by systemic symptoms. Raffetto JR, et al. **Nebr Med J** 58:68-9, Mar 73
[Obstetrical and gynecological considerations in 7 cases of Sheehan's syndrome] Tanaka Y.
Clin Endocrinol (Tokyo) 20:755-60, Sep 72 **(Jap)**
[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 **(Jap)**
[Hyperlipemia] Nakamura H.
Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) **(Jap)**

DRUG THERAPY

ACTH-induced alterations in catecholamine metabolism in man. Hauger-Klevene JH, et al.
J Clin Endocrinol Metab 36:679-83, Apr 73
[Treatment with synthetic ACTH of threatened abortion in women with secondary hypophyseal insufficiency] Klimek R, et al.
Ginekol Pol 44:25-9, Jan 73 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. **Hormones** 3:105-18, 1972

METABOLISM

Insulin receptors in human circulating lymphocytes: application to the study of insulin resistance in man. Archer JA, et al.
J Clin Endocrinol Metab 36:627-33, Apr 73

PATHOLOGY

Assessment of the sella turcica volume in dwarfed children. Underwood LE, et al.
J Clin Endocrinol Metab 36:734-41, Apr 73
Articular aging and osteoarthrosis in dwarf mice. Silberberg R. **Pathol Microbiol (Basel)** 38:417-30, 1972

PHYSIOPATHOLOGY

[The condition of the oral cavity in children with hypothalamo-hypophyseal insufficiency] Rybakowa M, et al.
Czas Stomatol 26:45-53, Jan 73 (Eng. Abstr.) (Pol)

URINE

ACTH-induced alterations in catecholamine metabolism in man. Hauger-Klevene JH, et al.
J Clin Endocrinol Metab 36:679-83, Apr 73

INFANTILISM

[Lipoatrophic diabetes--the Berwardinelli-Seip-Lawrence syndrome] Bartkowiak K, et al. Wiad Lek 26:45-8, 1 Jan 73 (Pol)

FAMILIAL & GENETIC

[A case of Rud's syndrome. A rare form of nonbullous congenital ichthyosiform erythroderma] Vittori F, et al. Nouv Presse Med 2:223-4, 27 Jan 73 (Fre)

PITUITARY DISEASES

[Lipoatrophic diabetes--the Berwardinelli-Seip-Lawrence syndrome] Bartkowiak K, et al. Wiad Lek 26:45-8, 1 Jan 73 (Pol)

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
The volume of the sella turcica in patients with anorexia nervosa. Bergström K, et al.
Eur Neurol 9:183-9, 1973
The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73
The undescended testis. Levin A, et al.
Surg Gynecol Obstet 136:473-9, Mar 73

DIAGNOSIS

Glucagon and growth hormone.
Br Med J 1:188-9, 27 Jan 73

PATHOLOGY

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73
[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)

PHYSIOPATHOLOGY

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72
The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

RADIOGRAPHY

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

URINE

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73

PITUITARY GLAND

ABNORMALITIES

[Intrasphenoidal pituitary chordstoma] Haguenbauer JP, et al. J Fr Otorhinolaryngol 21:436-7, May 72 (Fre)

INJURIES

[Traumatic brain lesions. Mechanics of pathogenesis, pathomorphology and clinical course] Unterharnscheidt FJ.
Z Rechtsmed 71:153-221, 1972 (Eng. Abstr.) (Ger)

PITUITARY NEOPLASMS

Estrogen-sensitive cell lines: uptake of labeled sex steroids and growth properties. Sonnenschein C, et al.
Exp Cell Res 78:41-6, 30 Mar 73
Mechanism of syncytium formation between XC sarcoma cells and murine endocrine carcinoma cells. Korinek JK, et al. J Natl Cancer Inst 49:1269-75, Nov 72
Unusual metastases from a transitional-cell carcinoma of the renal pelvis and ureter. Burns WA, et al.
Med Ann DC 42:65-6, Feb 73
Malignant papillary cystadenoma lymphomatosum. Döbrössy L, et al. Oncology 26:457-65, 1972
Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972
[The effect of bilateral total adrenalectomy on the state of the sella turcica in patients with Itsenko-Cushing disease] Il'ina OI, et al.
Probl Endokrinol (Mosk) 18:38-43, Nov-Dec 72 (Eng. Abstr.) (Rus)

BLOOD

The level and circadian rhythm of plasma free 11-hydroxycorticoids in patients with localized intracranial processes, especially of the sellar region. Osterman PO, et al. Acta Neurol Scand 49:115-32, 1973
Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72
Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73
Growth hormonal activity of thyrotropic pituitary tumors. Furth J, et al.
Proc Soc Exp Biol Med 142:511-5, Feb 73

CHEMICALLY INDUCED

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72

COMPLICATIONS

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al.
Acta Endocrinol (Kbh) 72:101-14, Jan 73
A versatile color confrontation test for the central visual field. A comparison with quantitative perimetry. Frisén L. Arch Ophthalmol 89:3-9, Jan 73
[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)

DIAGNOSIS

Mild anemia accompanied by systemic symptoms. Raffetto JR, et al. Nebr Med J 58:68-9, Mar 73

ETIOLOGY

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Walinder G.
Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72
Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73

FAMILIAL & GENETIC

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72
Differential diagnosis of the cancer family syndrome. Lynch HT, et al. Surg Gynecol Obstet 136:221-4, Feb 73

METABOLISM

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73

Growth hormonal activity of thyrotropic pituitary tumors. Furth J, et al.
Proc Soc Exp Biol Med 142:511-5, Feb 73

[Human somatotropic adenomas in organotypic culture, ultrastructure and secretion studied with tritiated leucine] Peillon F, et al.
C R Acad Sci [D] (Paris) 275:2251-4, 13 Nov 72 (Fre)

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

PATHOLOGY

Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al.
J Clin Endocrinol Metab 36:531-47, Mar 73

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al.
J Natl Cancer Inst 49:701-11, Sep 72

[Acromegaly] Lindholm J, et al.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

[Human somatotropic adenomas in organotypic culture, ultrastructure and secretion studied with tritiated leucine] Peillon F, et al.
C R Acad Sci [D] (Paris) 275:2251-4, 13 Nov 72 (Fre)

[The ultrastructure of craniopharyngioma] Landolt AM.
Schweiz Arch Neurol Neurochir Psychiatr 111:313-29, 1972 (Eng. Abstr.) (Ger)

[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)

PHYSIOPATHOLOGY

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res 28:173-200, 1972**

PREVENTION & CONTROL

Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73

RADIOGRAPHY

The significance of the failed pneumoencephalogram. Wastie ML. **J Neurol Sci 17:309-21, Nov 72**

Comparison of the venous phase of carotid arteriography with direct intracranial venography in the evaluation of lesions at the base of the skull. Théron J, et al. **Neuroradiology 5:43-8, Feb 73**

SURGERY

[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al.
Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) (Ger)

VETERINARY

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al.
J Natl Cancer Inst 49:701-11, Sep 72

SHEEHAN'S SYNDROME

BLOOD

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

DIAGNOSIS

[Obstetrical and gynecological considerations in 7 cases of Sheehan's syndrome] Tanaka Y.
Clin Endocrinol (Tokyo) 20:755-60, Sep 72 (Jap)

DRUG THERAPY

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

PATHOLOGY

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

PHYSIOPATHOLOGY

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

III. *Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN

Immunocytological observations on the localization of ACTH in the hypophysis of the dog. Ricci V, et al. **Acta Anat (Basel) 84:10-8, 1973**

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. **Radiology 106:281-4, Feb 73**

Corticotrophic cells in the rostral zone of the pars intermedia and in the adjacent neurohypophysis of the rat and mouse. An electron microscopic study. Stoeckel ME, et al. **Z Zellforsch Mikrosk Anat 136:97-110, 1973**

[Antigenicity of peptide hormones] Imura H. **Clin Endocrinol (Tokyo) 20:839-43, Oct 72 (18 ref.) (Jap)**

[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al. **Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)**

[Secondary structure of ACTH] Bezdrobnyĭ IuV, et al. **Probl Endokrinol (Mosk) 18:106-10, Jul-Aug 72 (24 ref.) (Rus)**

ADMINISTRATION & DOSAGE

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. **Endocrinology 92:1089-95, Apr 73**

Adrenal response to ACTH in the pig. Sebranek JG, et al. **J Anim Sci 36:41-4, Jan 73**

ACTH and nasal polypi. Taylor LR. **J Laryngol Otol 87:103-5, Feb 73**

Treatment of myasthenia gravis. Flacke W. **N Engl J Med 288:27-31, 4 Jan 73 (12 ref.)**

[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. **Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)**

[ACTH-induced structural change in the nucleoprotein complex of liver cell nuclei in young and old rats] Löhr J. **Gerontologia 18:113-21, 1972 (Eng. Abstr.) (Ger)**

[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al. **Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)**

[Ulcerations due to steroid administration] Szalach E. **Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)**

[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al. **Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)**

ADVERSE EFFECTS

ACTH and nasal polypi. Taylor LR. **J Laryngol Otol 87:103-5, Feb 73**

New drugs for treatment of Paget's disease. **Med Lett Drugs Ther 14:23-4, 31 Mar 72**

[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. **Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)**

[Treatment of myasthenia with corticotropic hormones] Goulon M, et al. **Sem Hop Paris 48:3371-5, 14 Dec 72 (Eng. Abstr.) (Fre)**

[ACTH] Takebe K. **Clin Endocrinol (Tokyo) 20:783-6, Oct 72 (21 ref.) (Jap)**

[Ulcerations due to steroid administration] Szalach E. **Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)**

ANALYSIS

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W. **Gen Comp Endocrinol 19:392-6, Dec 72**

Characteristics of "big ACTH" in human plasma and pituitary extracts. Yalow RS, et al. **J Clin Endocrinol Metab 36:415-23, Mar 73**

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore) 52:73-92, Jan 73**

ANTAGONISTS & INHIBITORS

Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitahchi AE, et al. **J Biol Chem 248:835-40, 10 Feb 73**

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al. **Toxicol Appl Pharmacol 24:101-13, Jan 73**

[Depression of lipolysis and potentiation of the hypoglycemic effect of insulin using insulin derivatives with a neutral effect on the blood sugar level] Dil'man VM, et al. **Probl Endokrinol (Mosk) 18:62-9, Nov-Dec 72 (Eng. Abstr.) (Rus)**

BIOSYNTHESIS

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

Maternal bronchial carcinoma and its possible relation to neonatal hypoglycaemia. Sharp JC, et al. **Postgrad Med J 48:682-4, Nov 72**

BLOOD

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Staub JJ, et al. **Br Med J 1:267-9, 3 Feb 73**

Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Sawano S, et al. **Endocrinol Jap 19:477-81, Oct 72**

Adrenal response to ACTH in the pig. Sebranek JG, et al. **J Anim Sci 36:41-4, Jan 73**

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al. **J Clin Endocrinol Metab 36:445-51, Mar 73**

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

A kindred with familial glucocorticoid suppressible aldosteronism. Glehink GS, et al. **J Clin Endocrinol Metab 36:715-23, Apr 73**

Dissociation of MSH and ACTH release in man. Kastin AJ, et al. **J Clin Endocrinol Metab 36:770-2, Apr 73**

Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. **J Endocrinol 55:489-97, Dec 72**

Plasma corticosterone level in runt disease. Abe T, et al. **J Natl Cancer Inst 48:119-23, Jan 72**

[Effect of oral administration of L-Dopa on plasma TSH, ACTH and GH levels in normal subjects] Simonin R, et al. **Ann Endocrinol (Paris) 33:294-6, May-Jun 72 (Eng. Abstr.) (Fre)**

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

[Advances in internal medicine] Laroche C, et al. **Rev Prat 22:Suppl:29-32, 25 Nov 72 (Fre)**

[Gonadotropin releasing effect of synthetic LH releasing hormone] Wagner H, et al. **Med Welt 23:1814-6, 25 Nov 72 (Ger)**

[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al. **Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)**

[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al. **Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)**

CHEMICAL SYNTHESIS

Adrenocorticotropin. 43. The synthesis and steroidogenic activity of (2-N-methyiphenyiaianine)-adrenocorticotropin-(1-19). Biake J, et ai. Int J Pept Protein Res 4:343-5, 1972

Adrenocorticotropins. 44. Totai synthesis of the human bormone hy tbe soiid-pbase method. Yamashiro D, et ai. J Am Chem Soc 95:1310-5, 21 Feb 73

DIAGNOSTIC USE

Piasma testosterone stimuiation-suppression dynamics in hirsute women. correiation with iong-term tberapy. Ettinger B, et ai. Am J Med 54:195-200, Feb 73

Cusbing's disease witb periodic hormonogenesis: one expianation for paradoxicai response to dexamethasone. Brown RD, et ai. J Clin Endocrinol Metab 36:445-51, Mar 73

Piasma cortisoi ievei in normai Indian subjects and its variation in disease. Kosby TS, et ai. J Indian Med Assoc 59:89-92, 1 Aug 72

Studies on tbe adrenocorticai bormone therapy in idiopathic nephrotic syndrome in chiidren. Maki S, et ai. Med J Osaka Univ 22:259-300, Mar 72

Subacute necrotizing encephaiomyeiopathy with vacuoiated ceiis in tbe bone marrow. Simopouios AP, et ai. Neurology (Minneap) 22:1257-67, Dec 72

[Tbe vaiue of an ACTH stimuiation test for assessing tbe hypothaiamus-hypophysis-adrenai cortex axis in patients treated with giucocorticoid preparations] Kehiet H, et ai. Ugeskr Laeger 134:2089-92, 2 Oct 72 (Eng. Abstr.) (Dan)

[A case of transient gynecomasty witb hyperestrogenesis of nontumorai testicuiar origin] Gorins A, et ai. Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Diagnosis and tberapy of endogenic hypercortisoiism (Cushing's syndrome)] Meng W, et ai. Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)

[Etiology of hyperaidosteronemia in adrenogenitai syndrome] Fukucbi S, et ai. Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)

[ACTH] Takebe K. Clin Endocrinol (Tokyo) 20:783-6, Oct 72 (21 ref.) (Jap)

[Melanin thesaurismosis with speciai reference to melanocyte stimuiating hormone (MSH) secretion anomaiies] Abe K. Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)

[Steroid diagnosis of adrenai cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A. Bratisl Lek Listy 59:214-26, Feb 73 (Slo)

METABOLISM

Imitation of the adreno-cortical response to surgery by intravenous infusion of syntbetic human ACTH. Kehiet H, et ai. Acta Endocrinol (Kbh) 72:75-80, Jan 73

[Subacute action of iow concentrations of chiorinated ethanes on rats with and without additionai ethanoi treatment. I. Biochemicai and toxicometrical aspects, especiaiiy resuits in subacute and cbronic toxicity studies witb 1.1.2.2-tetrachioroethane] Schmidt P, et ai. Int Arch Arbeitsmed 30:283-98, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

C 21 steroid metaboiism and conjugation in the buman premature neonate. 2. Tissue metaboiism and conjugation of exogenous cortisoi, 11-deoxycortisoi, corticosterone and pregnenoione in the presence and absence of ACTH in vitro. Ducharme JR, et ai. Acta Endocrinol (Kbh) 72:63-74, Jan 73

Imitation of tbe adreno-cortical response to surgery by intravenous infusion of synthetic buman ACTH. Kehiet H, et ai. Acta Endocrinol (Kbh) 72:75-80, Jan 73

Enzyme adaptation as a biochemicai probe of development and aging. Adeiman RC, et ai. Adv Enzyme Regul 10:365-82, 1972 (53 ref.)

ACTH stimuiation of purine nucieotide biosynthesis in the adrenai cortex. ACTH stimuiation of purine biosynthesis. McKerns KW, et ai. Arch Biochem Biophys 154:341-7, Jan 73

Isoiated adrenai cortex ceiis: ACTH agonists, partiai agonists, antagonists; cyciic AMP and corticosterone production. Seeiig S, et ai. Arch Biochem Biophys 154:230-9, Jan 73

Ceiiuiar response to drugs affecting aqueous dynamics. Richardson KT. Arch Ophthaimol 89:65-84, Jan 73 (115 ref.)

Hormonai effects on thymidine kinase and thymidyiate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et ai. Cancer Res 33:220-5, Feb 73

Reiation between steroidogenesis and 3',5'-cyciic AMP production in isoiated adrenai ceiis. Nakamura M, et ai. Endocrinol Jap 19:443-8, Oct 72

Stimuiation of adrenai ornithine decarboxyiase by adrenocorticotropin and growth bormone. Levine JH, et ai. Endocrinology 92:1089-95, Apr 73

Lysosomai membrane stabiiization and antiestrogen action in specific bormonai target ceiis. Szego CM. Gynecol Invest 3:63-95, 1972

Effect of aiioxan diabetes, insuiin & diabetogenic bormones on intestinai transport of tyrosine in rats. Mahmood A, et ai. Indian J Exp Biol 10:237-9, May 72

Adrenocorticotropin. 43. The synthesis and steroidogenic activity of (2-N-methyipbenyiaianine)-adrenocorticotropin-(1-19). Biake J, et ai. Int J Pept Protein Res 4:343-5, 1972

Adrenai response to ACTH in the pig. Sehranek JG, et ai. J Anim Sci 36:41-4, Jan 73

Caicium-mediated interactions between the antidiuretic bormone and renai piasma membranes. Campbeii BJ, et ai. J Biol Chem 247:6167-75, 10 Oct 72

Adrenai giand in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isoiated adrenai ceiis by ascorbic acid. Kitabchi AE, et ai. J Biol Chem 248:835-40, 10 Feb 73

ACTH-induced aiterations in catecholamine metaboiism in man. Hauger-Kievene JH, et ai. J Clin Endocrinol Metab 36:679-83, Apr 73

Piasma corticosterone ievei in runt disease. Abe T, et ai. J Natl Cancer Inst 48:119-23, Jan 72

Hormonai changes in ewes and their fetuses at parturition. Currie WB, et ai. J Reprod Fertil 32:333-4, Feb 73

The effect of premature weaning on the response of rat adrenais to stress and ACTH. Hromadová M, et ai. Physiol Bohemosiov 21:329-35, 1972

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimentai and human bypertension. Meihy JC, et ai. Recent Prog Horm Res 28:287-351, 1972

Respiratory responses to ACTH and dexamethasone in unanesthetized goats. Watkins BE, et ai. Respir Physiol 17:127-33, Jan 73

Isoiated adrenai cortex ceiis: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et ai. Science 179:1330-1, 30 Mar 73

[Stimuiation of tbe fetai adrenais during pregnancy] Honnebier WJ. Ned Tijdschr Geneeskd 116:1962-3, 21 Oct 72 (Dut)

[Effect of the corticotropic hormone on amygdaioventromedian pathways in awaked free rabbits] Nicoiescu-Catargi A, et ai. J Physiol (Paris) 65:Suppi:278A, Oct 72 (Fre)

[Influence of ACTH and metopirone on the excretion of cortisoi metaboiites in endogenous depression during thioridazine administration] Stančáková A, et ai. Endokrinologie 60:205-17, 1972 (Eng. Abstr.) (Ger)

[ACTH-induced structural change in the nucieoprotein compiex of iiver ceii nuciei in young and oid rats] Löhr J. Gerontologia 18:113-21, 1972 (Eng. Abstr.) (Ger)

[Physiologic mechanism of inflammation, especially in redintegration] Nagai K. J Nihon Univ Sch Dent 14:42-52, Jun 72 (Eng. Abstr.) (Ger)

[Phase of resistance following non-specific stress or ACTH administration] Schoie J, et ai. Zentralbl Veterinaermed [B] 19:776-8, Nov 72 (Eng. Abstr.) (Ger)

[Biochemicai studies on human saiivary proteins. XII. Comparison between saiiva-parotin-A and various bormones on hypocaicemic and acid phosphatase-depressing activities] Kubota Y, et ai. J Pharm Soc Jap 92:871-3, Jui 72 (Eng. Abstr.) (Jap)

[Tbe effect of giucocorticoids and ACTH on the excitabiiity of the hypothaiamus and iimbic formations of tbe dog brain] Ryzhenkov VE, et ai. Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Further studies on the influence of the saiivary giands on adrenai cortex activity] Barabash RD.

Probl Endokrinol (Mosk) 18:103-6, Nov-Dec 72 (Eng. Ahstr.) (Rus)

PHYSIOLOGY

Stimulation of aldosterone secretion hy hemorrhage in dogs after nephrectomy and decapitation. McCaa RE, et al. Circ Res 32:356-62, Mar 73

[Tyrosine alpha-ketoglutarate transaminase activity in the chick embryo (White Leghorn) liver during embryogenesis] Ideiman S, et al. J Physiol (Paris) 65:Suppl 1:128A, 1972 (Fre)

[Review of recent reports on the pathology of articular cartilage. 3. Repair. Influence of pressure. Role of hormones. Experimental study. Aging] Peyron JG. Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Ahstr.) (Fre)

[Endocrine regulation of lahor in cattle, sheep and goats] Agthe O. Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)

[Adrenocortical hormones and arteriosclerosis] Takeda R, et al. Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)

[The use of neurotropic drugs in the study of the mechanisms of nonesterified fatty acid mohilization evoked hy overstimulation in rats] Nikul'cheva NG. Farmakol Toksikol 35:610-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

SECRETION

Immunocytological observations on the localization of ACTH in the hypophysis of the dog. Ricci V, et al. Acta Anat (Basel) 84:10-8, 1973

Imitation of the adreno-cortical response to surgery by intravenous infusion of synthetic human ACTH. Kehlet H, et al. Acta Endocrinol (Kbh) 72:75-80, Jan 73

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. Am J Physiol 224:543-7, Mar 73

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ. Experientia 28:1492-3, 15 Dec 72

Adrenocorticotropic activity in vitro of the chick embryo pituitary gland. Pedernera EA. Gen Comp Endocrinol 19:589-91, Dec 72

Effect of dexamethasone on affective hehavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. J Comp Physiol Psychol 82:60-5, Jan 73

Characteristics of fast feedback control of corticotrophin release hy corticosteroids. Jones MT, et al. J Endocrinol 55:489-97, Dec 72

Plasma cortisol. Chhetri MK. J Indian Med Assoc 59:118-9, 1 Aug 72

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al. Nature (Lond) 240:554-6, 29 Dec 72

Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. Neuroendocrinology 10:246-56, 1972

The effect of premature weaning on the response of rat adrenals to stress and ACTH. Hromadová M, et al. Physiol Bohemoslov 21:329-35, 1972

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. Recent Prog Horm Res 28:399-470, 1972

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. C R Acad Sci [D] (Paris) 274:3585-8, 26 Jun 72 (Fre)

[Cytophysiologic study of adenohypophyseal changes in the tench treated with metopirone] Romain R, et al. C R Soc Biol (Paris) 166:553-6, 1972 (Fre)

[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)

[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al. Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al. Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)

THERAPEUTIC USE

Bell's palsy. Arch Otolaryngol 97:224-6, Feh 73

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al. Biochem Med 7:1-13, Feb 73

Corticosteroid withdrawal in asthma. Batten JC, et al. Br Med J 1:296, 3 Feh 73

The effect of thoracic duct lymph drainage in myasthenia gravis. Bergström K, et al. Eur Neurol 9:157-67, 1973

Dissociation of MSH and ACTH release in man. Kastin AJ, et al. J Clin Endocrinol Metab 36:770-2, Apr 73

Myasthenia gravis and immunity. A review of basic mechanisms. Ryan M, et al. J Kans Med Soc 74:72-7, Mar 73

ACTH and nasal polypi. Taylor LR. J Laryngol Otol 87:103-5, Feb 73

New drugs for treatment of Paget's disease. Med Lett Drugs Ther 14:23-4, 31 Mar 72

Treatment of myasthenia gravis. Flacke W. N Engl J Med 288:27-31, 4 Jan 73 (12 ref.)

Recurrence of nonneoplastic thymus after thymectomy for myasthenia gravis. Report of two cases. Joseph BS, et al. Neurology (Minneap) 23:109-16, Feh 73

Melkersson's syndrome. Bowers RE. Proc R Soc Med 65:1078, Dec 72

[Medical treatment of Crohn's disease] Chevrel B. Nouv Presse Med 1:3064-6, 16 Dec 72 (Fre)

[Electrophysiological exploration of the hlink reflex in facial paralysis] Penders C, et al. ORL 34:17-26, 1972 (Eng. Abstr.) (Fre)

[Treatment of myasthenia] Laplane D, et al. Rev Prat 22:1983-92, 21 Apr 72 (Fre)

[Treatment of myasthenia with corticotropic hormones] Goulon M, et al. Sem Hop Paris 48:3371-5, 14 Dec 72 (Eng. Abstr.) (Fre)

[Determination of plasma cortisol levels in children treated with ACTH during Still's disease and rheumatoid arthritis] Rajmann E, et al. Z Kinderheilkd 114:69-82, 22 Jan 73 (Eng. Ahstr.) (Ger)

[ACTH] Takehe K. Clin Endocrinol (Tokyo) 20:783-6, Oct 72 (21 ref.) (Jap)

[Treatment with synthetic ACTH of threatened abortion in women with secondary hypophyseal insufficiency] Klimek R, et al. Ginekol Pol 44:25-9, Jan 73 (Eng. Abstr.) (Pol)

[Beryllosis] Slojewska K. Pol Tyg Lek 28:263-6, 12 Feh 73 (28 ref.) (Pol)

[Current status of the treatment of infantile acute leukemias] Răuţa I. Rev Med Chir Soc Med Nat Iasi 76:871-82, Oct-Dec 72 (Rum)

[Characteristics of the clinical picture, diagnosis and treatment of myasthenia in tumorous disease of the thymus gland] Kuzin MI, et al. Vestn Khir 108:48-52, Jul 72 (Rus)

URINE

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al. Biochem Med 7:1-13, Feb 73

[Metopirone test in menstruation disorders] Stojanov S. Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)

FSH

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al. Andrologie 4:75-83, 1972

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. Biol Reprod 8:2-10, Feh 73 (53 ref.)

Molecular weight relationships among the suhunits of human glycoprotein hormones. Reichert LE Jr, et al. Endocrinology 92:1034-42, Apr 73

Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Schwartz NB, et al. Endocrinology 92:1165-74, Apr 73

Evidence for an intrinsic gonadotropic activity of ovine LH in the lizard. Licht P, et al. Gen Comp Endocrinol 20:172-6, Feb 73

Development of anti-human FSH antihody in a patient with isolated FSH deficiency. Spitz I, et al. J Clin Endocrinol Metab 36:684-90, Apr 73

Influence of the frequency and route of injection of

HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH.
Proc Soc Exp Biol Med 142:390-4, Feb 73

ADMINISTRATION & DOSAGE

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al.
Biol Reprod 7:254-9, Oct 72

Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis. Jones RE, et al. **Gen Comp Endocrinol** 20:190-8, Feb 73

Evaluation of carboxymethylcellulose as an injectable carrier for follicle stimulating hormone. Johnson CL, et al. **J Anim Sci** 36:375-9, Feb 73

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. **J Anim Sci** 35:1228-32, Dec 72

Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH.
Proc Soc Exp Biol Med 142:390-4, Feb 73

ADVERSE EFFECTS

[Cerebrovascular accident during treatment with gonadotropins] Humbert G, et al.
Nouv Presse Med 2:28-30, 6 Jan 73 (Fre)

ANALYSIS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73

Physical characterization of hFSH and its desialylation products by isoelectric focusing and electrophoresis in polyacrylamide gel. Sherins RJ, et al.
Endocrinology 92:1135-41, Apr 73

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR.
Gen Comp Endocrinol 20:41-52, Feb 73

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al.
J Reprod Fertil 32:334-5, Feb 73

Genetic obesity in rats. 1. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. **Metabolism** 22:435-42, Mar 73

BIOSYNTHESIS

[The effect of castration on the follicle stimulating function of the hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM.
Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Abstr.) (Rus)

BLOOD

Serum follicle stimulating hormone and luteinizing hormone levels in women of various endocrinological states. Seki K.
Acta Obstet Gynaecol Jap 19:25-32, Jan 72

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al.
Acta Obstet Gynecol Scand 52:171-5, 1973

Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al.
Am J Dis Child 125:293-5, Feb 73

Hormonal changes during induction and midtrimester abortion by prostaglandin F 2 . Cantor B, et al.
Am J Obstet Gynecol 113:607-15, 1 Jul 72

Hormonal factors in human ovulation. Taymor ML, et al.
Am J Obstet Gynecol 114:445-53, 15 Oct 72

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73

The effect of exogenous testosterone upon serum FSH and LH concentrations in normal males. Capell PT, et al. **Contraception** 6:135-43, Aug 72

Evaluation of serum FSH and LH in various infertile women treated with clomiphene citrate. Huang K.
Endocrinol Jap 19:501-7, Oct 72

Effect of L-dopa on anterior pituitary hormone release in man. Saito S, et al. **Endocrinol Jap** 19:435-42, Oct 72

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73

The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al.
Endocrinology 92:1256-68, Apr 73

Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al.
Endocrinology 92:1153-60, Apr 73

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. **Eur J Clin Invest** 2:384-9, Nov 72

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. **Fertil Steril** 24:185-90, Mar 73

Pituitary-gonadal function before and after vasectomy. Wieland RG, et al. **Fertil Steril** 23:779-81, Oct 72

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al.
Gen Comp Endocrinol 20:53-60, Feb 73

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. **Gynecol Invest** 3:126-34, 1972

Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. addministration of thyrotropin releasing hormone (TRH). Wiegelmann W, et al.
Horm Metab Res 4:482-4, Nov 72

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. **Hormones** 3:105-18, 1972

Heterogeneity of gonadotropin response to LHRH in hypogonadotropic hypogonadism. Bell J, et al.
J Clin Endocrinol Metab 36:791-4, Apr 73

Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73

Serum androstenedione and testosterone levels during the menstrual cycle. Judd HL, et al.
J Clin Endocrinol Metab 36:475-81, Mar 73

Episodic secretion of luteinizing hormone (LH) in adolescent patients with the syndrome of gonadal dysgenesis. Keich RP, et al.
J Clin Endocrinol Metab 36:424-7, Mar 73

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al.
J Clin Endocrinol Metab 36:697-701, Apr 73

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. **J Clin Endocrinol Metab** 36:612-4, Mar 73

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. **J Reprod Fertil** 32:341, Feb 73

Plasma LH and FSH during different oestrous cycle conditions in mice. Murr SM, et al.
J Reprod Fertil 32:221-30, Feb 73

Studies with synthetic LH-releasing hormone in the human. 1. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. **Life Sci [I]** 11:623-30, 1 Jul 72

The Alström syndrome. Report of three cases with further delineation of the clinical, pathophysiological, and genetic aspects of the disorder. Goldstein JL, et al. **Medicine (Baltimore)** 52:53-71, Jan 73

Paternal transmission of maleness in XX human beings. Kasdan R, et al. **N Engl J Med** 288:539-45, 15 Mar 73

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. **Obstet Gynecol** 41:414-8, Mar 73

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al.
Obstet Gynecol 41:227-33, Feb 73

Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat. Ellendorff F, et al.
Proc Soc Exp Biol Med 142:417-20, Feb 73

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:960-4, 1972 (Fre)

[Gonadotropin releasing effect of syntbetic LH releasing hormone] Wagner H, et al.
Med Welt 23:1814-6, 25 Nov 72 (Ger)

[Physiopatbological study of the diencephalon and hypothalamus of anovulatory patients; radioimmunoassay of daily changes in serum FSH and LH] Minagawa J, et al.
Folia Endocrinol Jap 48:396-407, 20 Sep 72 (Eng. Abstr.) (Jap)

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

[The effect of castration on the follicle stimulating function of tbe hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM.
Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

METABOLISM

Characterization of rat placental luteotropin. Pbysiological and physicochemical properties. Linkie DM, et al. Biol Reprod 8:48-57, Feb 73

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al.
Gen Comp Endocrinol 20:53-60, Feb 73

Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al.
Gen Comp Endocrinol 20:61-8, Feb 73

[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al.
C R Soc Biol (Paris) 166:550-3, 1972 (Fre)

PHARMACODYNAMICS

Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metaholism in the immature rat ovary. Hamherger L, et al.
Acta Endocrinol (Kbh) 72:425-37, Mar 73

Hormonal factors in human ovulation. Taymor ML, et al.
Am J Obstet Gynecol 114:445-53, 15 Oct 72

Sequential morphologic study of tbe ovaries of heifers injected witb exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al.
Biol Reprod 7:254-9, Oct 72

Effects of vaginal stimulation and pituitary bormones on sleep patterns in tbe female rabbit. Dufy B, et al.
Endocrinology 92:1293-5, Apr 73

Stimulation of lactic acid production in vitro from prepubertal rat ovaries by gonadotropins and their subunits. Farmer SW, et al.
Endocrinology 92:1022-7, Apr 73

Studies on the specificity of tbe radio-bioassay for corticotrophin. Bukovsan W.
Gen Comp Endocrinol 19:392-6, Dec 72

Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis. Jones RE, et al. Gen Comp Endocrinol 20:190-8, Feb 73

Evaluation of carboxymethylcellulose as an injectable carrier for follicle stimulating hormone. Johnson CL, et al. J Anim Sci 36:375-9, Feb 73

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. J Anim Sci 35:1228-32, Dec 72

Pituitary control of tbe ovine corpus luteum. Denamur R, et al. J Reprod Fertil 32:207-20, Feb 73

The effect of FSH, LH and testosterone on lysosomal enzymes in tbe rat testis, after post-bypophysectomy regression. Elkington JS, et al.
J Reprod Fertil 32:336-7, Feb 73

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K.
J Reprod Fertil 31:387-97, Dec 72

The labelling of living rabbit ova with fluorescent dyes. Overstreet JW. J Reprod Fertil 32:291-4, Feb 73

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72

The induction of ovulation with FSH and HCG. Ansbacher R. Milit Med 138:149-51, Mar 73

Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH.
Proc Soc Exp Biol Med 142:390-4, Feb 73

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Amounts of gonadotrophins required for normal follicular growth in hypophysectomized adult rats. Welschen R. Acta Endocrinol (Kbh) 72:137-55, Jan 73

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al.
Am J Vet Res 34:181-3, Feb 73

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

SECRETION

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al.
Acta Obstet Gynecol Scand 52:171-5, 1973

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing bormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73

Pbysiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R.
Contraception 5:1-19, Jan 72

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al.
Endocrinol Jap 19:449-59, Oct 72

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al.
Fertil Steril 24:116-20, Feb 73

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. J Reprod Fertil 32:341, Feb 73

Studies witb synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. Life Sci [I] 11:623-30, 1 Jul 72

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

Participation of the amygdala and of tbe cerebellum in the feedback effects of progesterone. Piva F, et al.
Neuroendocrinology 11:229-39, 1973

Reinitiation of estrous cycles in old constant-estrous

rats hy central-acting drugs. Quadri SK, et al. **Neuroendocrinology 11:248-55, 1973**

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al. **Obstet Gynecol 41:227-33, Feb 73**

The effect of chemical ovulation-inducing suhstances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al. **Tohoku J Exp Med 108:123-31, Oct 72**

[Cyclofenil in gynecologic practice] Soutoul JH, et al. **Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)**

[The effect of ethymizole on tbe gonadotropic function of tbe bypopbysis] Bekhtereva EP, et al. **Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Ahstr.) (Rus)**

[The effect of castration on the follicle stimulating function of tbe hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM. **Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Ahstr.) (Rus)**

STANDARDS

An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. Bangham DR, et al. **J Clin Endocrinol Metab 36:647-60, Apr 73**

THERAPEUTIC USE

Hormonal factors in human ovulation. Taymor ML, et al. **Am J Obstet Gynecol 114:445-53, 15 Oct 72**

The induction of ovulation with FSH and HCG. Ansbacher R. **Milit Med 138:149-51, Mar 73**

URINE

Drugs in infertility. Barnes EW, et al. **Br Med J 1:234, 27 Jan 73**

Levodopa in Forbes-Albright syndrome. Flückiger E, et al. **Can Med Assoc J 108:554, 3 Mar 73**

Physical characterization of bFSH and its desialylation products hy isoelectric focusing and electrophoresis in polyacrylamide gel. Sherins RJ, et al. **Endocrinology 92:1135-41, Apr 73**

Bartter's syndrome with possihle hypothalamic dysfunction. Kim JH. **Hormones 3:65-76, 1972**

Cyclical ovarian function in women with congenital absence of tbe uterus and vagina. Fraser IS, et al. **J Clin Endocrinol Metab 36:634-7, Apr 73**

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al. **J Clin Endocrinol Metab 36:697-701, Apr 73**

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al. **J Clin Endocrinol Metab 36:661-5, Apr 73**

The kinetics of tbe buman pituitary-gonadal system during steroid treatment. Nishikawa Y. **Kobe J Med Sci 18:109-31, Jun 72**

[Galactorrbea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al. **Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)**

[Endocrinological environment at the time of implantation] Iizuka R, et al. **Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)**

GONADOTROPINS

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh) 72:101-14, Jan 73**

Morphology and bistoenzymology of the human testicle in some cases of infertility. Chiara F, et al. **Andrologie 4:75-83, 1972**

A vista of researcb on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. **Biol Reprod 8:2-10, Feh 73 (53 ref.)**

Structure of a hypothalamic peptide possessing gonadotropin-releasing activity. Nair RM, et al. **Int J Pept Protein Res 4:421-30, 1972**

ADMINISTRATION & DOSAGE

Effects of gonadotropins on tbe occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al. **Endocrinol Jap 19:423-8, Oct 72**

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. **Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)**

[Cyclofenil in gynecologic practice] Soutoul JH, et al. **Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)**

[Gonadotropins--their side effects] Tojo S, et al. **Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)**

ADVERSE EFFECTS

[Gonadotropins--their side effects] Tojo S, et al. **Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)**

ANALYSIS

A reliable fluorometric method for total urinary estrogens. Goebelsmann U. **Clin Chim Acta 43:285-93, 12 Feb 73**

ANTAGONISTS & INHIBITORS

Presence of an antigonadotropic substance in rat pineal incubation media. Benson B, et al. **Life Sci [I] 11:669-77, 15 Jul 72**

BLOOD

Chemical analyses of sera influencing neoplastic transformation in vitro. Sanford KK, et al. **J Natl Cancer Inst 49:1553-61, Dec 72**

The pituitary gland and pregnancy in the marsupial, Macropus eugenii, employing hypophysectomy and radioimmunoassay for gonadotrophin. Hearn JP. **J Reprod Fertil 32:328-9, Feb 73**

Plasma LH and FSH during different oestrous cycle conditions in mice. Murr SM, et al. **J Reprod Fertil 32:221-30, Feb 73**

DIAGNOSTIC USE

[Metopirone test in menstruation disorders] Stojanov S. **Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)**

[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O. **Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)**

METABOLISM

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)**

[Glycemia and insulinemia in castrated male rats, fasting and with glucose overload] Legrele C, et al. **J Physiol (Paris) 65:Suppl:257A-258, Oct 72 (Fre)**

[Action of the pineal body on sexual function and on lipid metabolism] Damian E. **Stud Cercet Endocrinol 23:389-96, 1972 (Rum)**

PHARMACODYNAMICS

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y. **Acta Obstet Gynaecol Jap 19:1-15, Jan 72**

Hormonal factors in human ovulation. Taymor ML, et al. **Am J Obstet Gynecol 114:445-53, 15 Oct 72**

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. **Am J Vet Res 34:21-6, Jan 73**

Studies of cytochrome P-450 in testis microsomes. Menard RH, et al. **Arch Biochem Biophys 154:8-18, Jan 73**

Implantation of blastocysts labeled with (3 H) uridine into the uterus of gonadotropin-treated pseudopregnant prepubertal rats. Sanyal MK, et al. **Biol Reprod 7:207-10, Oct 72**

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al. **Endocrinol Jap 19:423-8, Oct 72**

Bioconversion of the androgen precursors hy pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids 21:17-26, Jan 73**

[Cholinesterase in menstrual disorders] Stojanov S. **Zentralbl Gynaekol 94:1830-3, 30 Dec 72 (Ger)**

[Inhibition of ovulation induced by gonadotropins, from the standpoint of the hormone gene thesis] Ozaki M, et al. **Folia Endocrinol Jap 48:422-31, 20 Sep 72 (Eng. Abstr.) (Jap)**

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al. **Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)**

PHYSIOLOGY

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. **Biol Reprod 8:2-10, Feb 73 (53 ref.)**

SECRETION

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)**

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al. **Am J Med 54:390-403, Mar 73**

Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. **J Endocrinol 55:599-607, Dec 72**

The libidinous temporal lobe. Walker AE. **Schweiz Arch Neurol Neurochir Psychiatr 111:473-84, 1972**

[TRH and LH-RH] Saito S, et al. **Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)**

THERAPEUTIC USE

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. **Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)**

Genetic etiology of primary ammenorrhea. Rehert GM. **Obstet Gynecol 41:479-80, Mar 73**

"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. **Postgrad Med 53:156-62, Feb 73**

[The menorrhagia of puberty] Gaudefroy M. **J Sci Med Lille 90:411-3, Nov 72 (Fre)**

[7th World Congress on Fertility and Sterility in Tokyo and Kyoto] Hofmann N. **Hautarzt 23:324-6, Jul 72 (Ger)**

[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K. **Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)**

[Gonadotropins--their side effects] Tojo S, et al. **Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)**

URINE

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. **Biol Reprod 8:2-10, Feb 73 (53 ref.)**

The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al. **Fertil Steril 23:712-4, Oct 72**

Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al. **J Clin Endocrinol Metab 36:502-8, Mar 73**

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al. **J Clin Endocrinol Metab 36:697-701, Apr 73**

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. **J Clin Endocrinol Metab 36:612-4, Mar 73**

GONADOTROPINS, PITUITARY

ADMINISTRATION & DOSAGE

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)**

ANALYSIS

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR. **Gen Comp Endocrinol 20:41-52, Feb 73**

BLOOD

[Gonadotropin releasing effect of synthetic LH releasing hormone] Wagner H, et al. **Med Welt 23:1814-6, 25 Nov 72 (Ger)**

METABOLISM

[Synergic effect of copper and zinc ions on ovulation in rabbits] Marois M, et al. **C R Soc Biol (Paris) 166:535-8, 1972 (Fre)**

PHARMACODYNAMICS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. **Am J Obstet Gynecol 115:606-14, 1 Mar 73**

Pituitary gonadotropin release patterns in pre-spawning brook trout, Salvelinus fontinalis, rainbow trout, Salmo gairdneri and leopard frogs, Rana pipiens. O'Connor JM. **Comp Biochem Physiol [A] 43:739-46, 1 Dec 72**

The effect of coitus on transport of sperm in the rabbit. Dandekar P, et al. **Fertil Steril 23:759-62, Oct 72**

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)**

PHYSIOLOGY

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. **Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)**

SECRETION

The hypothalamus and reproduction. Schally AV, et al. **Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)**

Galactorrhoea: successful treatment with reduction of plasma prolactin levels by brom-ergocryptine. Besser GM, et al. **Br Med J 3:669-72, 16 Sep 72**

Pituitary gonadotropin release patterns in pre-spawning brook trout, Salvelinus fontinalis, rainbow trout, Salmo gairdneri and leopard frogs, Rana pipiens. O'Connor JM. **Comp Biochem Physiol [A] 43:739-46, 1 Dec 72**

Evaluation of the child with isosexual precocious puberty. Root AW. **Del Med J 45:73-9, Mar 73**

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al. **Endocrinol Jap 19:449-59, Oct 72**

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al. **Steroids 20:627-38, Nov 72**

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al. **Tohoku J Exp Med 108:123-31, Oct 72**

Inhibition of unilateral ovarian compensatory hypertrophy in the rat by ingestion of aspirin. Goldman M, et al. **Toxicol Appl Pharmacol 24:159-61, Jan 73**

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y. **Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)**

[Postnatal evolution of hypothalamic releasing factors] Scemama A. **J Physiol (Paris) 65:Suppl:298A, Oct 72 (Fre)**

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al. **Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)**

THERAPEUTIC USE

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)**

[Gonadotropins--their side effects] Tojo S, et al. **Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)**

URINE

Pituitary gonadotrophins and 17-ketosteroids in

patients with the XYY syndrome. Nielsen J, et al. Acta Endocrinol (Kbh) 72:191-8, Jan 73

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al. Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)

[Medroxprogestrone acetate as a contraceptive] Hornemann B, et al. Ugeskr Laeger 135:289-94, 5 Feb 73 (Eng. Abstr.) (Dan)

[Functional state of some endocrine glands in spinal and endocrine impotence in various age groups] Spasokukots'kiĭ IuO, et al. Fiziol Zh 19:69-73, 1973 (Eng. Abstr.) (Ukr)

LH

(Des-Gly-NH 10 2 , pro-ethylamide 9)-LH-RH: a highly potent analog of luteinizing hormone releasing hormone. Fujino M, et al. Arch Biochem Biophys 154:488-9, Jan 73

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al. Biochem Biophys Res Commun 50:888-71, 5 Feb 73

Pituitary binding sites for (3 H)-labelled luteinizing hormone releasing factor (LRF). Grant G, et al. Biochem Biophys Res Commun 50:771-8, 5 Feb 73

Gonadotrophin binding sites of the rat testis. Catt KJ, et al. Biochim Biophys Acta 279:194-201, 18 Aug 72

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. Biol Reprod 8:2-10, Feb 73 (53 ref.)

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diehel ND, et al. Endocrinology 92:1085-78, Apr 73

Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al. Endocrinology 92:1153-80, Apr 73

Molecular weight relationships among the subunits of human glycoprotein hormones. Reichert LE Jr, et al. Endocrinology 92:1034-42, Apr 73

Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Schuchner EB, et al. Fertil Steril 24:107-15, Feb 73

Purification and properties of a protein kinase from bovine corpus luteum that is stimulated by cyclic adenosine 3',5'-monophosphate and luteinizing hormone. Menon KM. J Biol Chem 248:494-501, 25 Jan 73

A homologous radioimmunoassay for human prolactin. Sinha YN, et al. J Clin Endocrinol Metab 38:509-18, Mar 73

Development of anti-human FSH antibody in a patient with isolated FSH deficiency. Spitz I, et al. J Clin Endocrinol Metab 38:684-90, Apr 73

Effect of antiserum to ovine luteinizing hormone on uterine cell division during early pregnancy in the mouse. Munshi SR, et al. J Reprod Fertil 31:499, Dec 72

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

[Radioimmunologic determination of ovine and bovine growth hormones. Neutralization or elimination of anti-prolactin antibodies in anti-somatotropin immune serums] Martal J. C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 (Fre)

[TRH and LH-RH] Saito S, et al. Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

ADMINISTRATION & DOSAGE

The effect of ICSH- and its combination with prolactin on the maintenance of pregnancy in the rat. Yang WH, et al. Acta Endocrinol (Kbh) 72:173-81, Jan 73

Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-8, 15 Mar 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al. Biol Reprod 7:254-9, Oct 72

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH. Proc Soc Exp Biol Med 142:390-4, Feb 73

[Effect of LH on the metabolism of isolated perfused human ovaries] Stähler E, et al. Arch Gynaekol 213:182-75, 1972 (Eng. Abstr.) (Ger)

[Gonadotropin releasing effect of synthetic LH releasing hormone] Wagner H, et al. Med Welt 23:1814-6, 25 Nov 72 (Ger)

ANALYSIS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. Am J Obstet Gynecol 115:606-14, 1 Mar 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al. Biochem Biophys Res Commun 50:8-13, 4 Jan 73

Direct action of synthetic progestins on the hypophysis. Baker BL, et al. Endocrinology 92:985-72, Apr 73

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR. Gen Comp Endocrinol 20:41-52, Feb 73

Cross-reaction in a chicken LH radioimmunoassay with plasma and pituitary extracts form various species. Scanes CG, et al. Gen Comp Endocrinol 19:596-600, Dec 72

The primary structure of the hormone-specific, beta subunit of human pituitary luteinizing hormone (hLH). Shome B, et al. J Clin Endocrinol Metab 36:818-21, Mar 73

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al. J Reprod Fertil 32:334-5, Feb 73

Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. Metabolism 22:435-42, Mar 73

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Bahichev VN. Neurosci Behav Physiol 5:195-9, Jul-Sep 72

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 108:9-18, Sep 72

ANTAGONISTS & INHIBITORS

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. Prostaglandins 2:331-49, Nov 72

BLOOD

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. Acta Endocrinol (Kbh) 72:101-14, Jan 73

Immunoreactive luteinizing hormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al. Acta Endocrinol (Kbh) 72:573-81, Mar 73

Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Ying SY, et al. Acta Endocrinol (Kbh) 72:161-72, Jan 73

Serum follicle stimulating hormone and luteinizing hormone levels in women of various endocrinological states. Seki K. Acta Obstet Gynaecol Jap 19:25-32, Jan 72

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al. Acta Obstet Gynecol Scand 52:171-5, 1973

Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al. Am J Dis Child 125:293-5, Feb 73

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al. Am J Obstet Gynecol 115:447-50, 15 Feb 73

Hormonal factors in human ovulation. Taymor ML, et al. Am J Obstet Gynecol 114:445-53, 15 Oct 72

Effects of photoperiod and age on reproductive organs and serum LH in the male rat. Hoffmann JC. Am J Physiol 224:245-7, Feb 73

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al.
Biochem Biophys Res Commun 50:866-71, 5 Feb 73

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. **Biol Reprod** 8:58-61, Feb 73

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. **Biol Reprod** 8:83-6, Feb 73

Time of ovulation in the beagle bitch. Phemister RD, et al. **Biol Reprod** 8:74-82, Feb 73

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73

The effect of exogenous testosterone upon serum FSH and LH concentrations in normal males. Capell PT, et al. **Contraception** 6:135-43, Aug 72

Evaluation of serum FSH and LH in various infertile women treated with clomiphene citrate. Huang K. **Endocrinol Jap** 19:501-7, Oct 72

Effect of L-dopa on anterior pituitary hormone release in man. Saito S, et al. **Endocrinol Jap** 19:435-42, Oct 72

Fluctuations in plasma testosterone levels in adult male rats and mice. Bartke A, et al.
Endocrinology 92:1223-8, Apr 73

The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al.
Endocrinology 92:1256-68, Apr 73

Functional luteolysis in the rhesus monkey; the role of estrogen. Karsch FJ, et al.
Endocrinology 92:1148-52, Apr 73

Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al.
Endocrinology 92:1153-60, Apr 73

Failure to induce pseudopregnancy in Na-pentobarbital anesthetized rats: effects on serum prolactin and LH. Wuttke W. **Endocrinology** 92:1280-2, Apr 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. **Eur J Clin Invest** 2:384-9, Nov 72

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. **Fertil Steril** 24:185-90, Mar 73

Pituitary-gonadal function before and after vasectomy. Wieland RG, et al. **Fertil Steril** 23:779-81, Oct 72

Plasma testosterone, estradiol, and gonadotropbins in hepatic insufficiency. Kent JR, et al.
Gastroenterology 64:111-5, Jan 73

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al.
Gen Comp Endocrinol 20:53-60, Feb 73

Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al.
Gen Comp Endocrinol 20:61-8, Feb 73

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. **Gynecol Invest** 3:126-34, 1972

Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. addministration of thyrotropin releasing hormone (TRH). Wiegelmann W, et al.
Horm Metab Res 4:482-4, Nov 72

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. **Hormones** 3:105-18, 1972

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al.
J Anim Sci 36:391-6, Feb 73

LH, prolactin, estradiol and progesterone in bovine blood serum during early pregnancy. Wettemann RP, et al. **J Anim Sci** 36:51-6, Jan 73

Heterogeneity of gonadotropin response to LHRH in hypogonadotropic hypogonadism. Bell J, et al.
J Clin Endocrinol Metab 36:791-4, Apr 73

The effect of clomiphene citrate on the 24-hour LH secretory pattern in normal men. Boyar RM, et al.
J Clin Endocrinol Metab 36:561-7, Mar 73

Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73

Serum androstenedione and testosterone levels during the menstrual cycle. Judd HL, et al.
J Clin Endocrinol Metab 36:475-81, Mar 73

Episodic release of luteinizing hormone at mid-menstrual cycle in normal adult women. Kapen S, et al. **J Clin Endocrinol Metab** 36:724-9, Apr 73

Episodic secretion of luteinizing hormone (LH) in adolescent patients with the syndrome of gonadal dysgenesis. Kelch RP, et al.
J Clin Endocrinol Metab 36:424-7, Mar 73

Effectf of synthetic luteinizing hormone-releasing bormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. **J Clin Endocrinol Metab** 36:612-4, Mar 73

Luteinizing bormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. **J Dairy Sci** 56:261-3, Feb 73

Genetic differences in plasma luteinizing hormone of the prepubertal lamb. Bindon BM.
J Reprod Fertil 32:347-8, Feb 73

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al.
J Reprod Fertil 32:334-5, Feb 73

Pituitary and blood LH in the male lamb. Courot M, et al. **J Reprod Fertil** 31:497-8, Dec 72

The hormonal control of ovulation in the laying hen. Furr BJ, et al. **J Reprod Fertil** 31:495-6, Dec 72

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. **J Reprod Fertil** 32:341, Feb 73

Plasma LH and FSH during different oestrous cycle conditions in mice. Murr SM, et al.
J Reprod Fertil 32:221-30, Feb 73

Hormonal changes around oestrus in the cow. Nancarrow CD, et al. **J Reprod Fertil** 32:320-1, Feb 73

Plasma oestradiol, progesterone and luteinizing hormone concentrations during the ovine oestrous cycle. Pant HC, et al. **J Reprod Fertil** 31:501, Dec 72

The concentration of plasma LH in male and female lambs of high and low prolificacy breed types. Thimonier J, et al. **J Reprod Fertil** 31:498-9, Dec 72

Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Héry M, et al.
Life Sci [I] 11:809-15, 1 Sep 72

Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. **Life Sci** [I] 11:623-30, 1 Jul 72

Physiological and clinical studies with natural and synthetic luteinizing bormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

The Alström syndrome. Report of three cases with further delineation of the clinical, pathophysiological, and genetic aspects of the disorder. Goldstein JL, et al. **Medicine (Baltimore)** 52:53-71, Jan 73

Paternal transmission of maleness in XX human beings. Kasdan R, et al. **N Engl J Med** 288:539-45, 15 Mar 73

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN.
Neurosci Behav Physiol 5:195-9, Jul-Sep 72

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. **Obstet Gynecol** 41:414-8, Mar 73

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al.
Obstet Gynecol 41:227-33, Feb 73

Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Wu FY.
Obstet Gynecol 41:200-4, Feb 73

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al.
Proc Soc Exp Biol Med 142:421-3, Feb 73

Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat. Ellendorff F, et al.
Proc Soc Exp Biol Med 142:417-20, Feb 73

Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al.
Prostaglandins 2:159-68, Sep 72

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing bormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res** 28:201-27, 1972

The effect of copper salts on ovulation, especially on

hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 108:9-18, Sep 72

[Effect of testosterone propionate on the liberation of LH in the blood of rams: demonstration of a double mechanism of retroaction] Pelletier J, et al. C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al. C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al. C R Soc Biol (Paris) 166:960-4, 1972 (Fre)

[Endocrinological environment at the time of implantation] Iizuka R, et al. Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Physiopathological study of the diencephalon and hypothalamus of anovulatory patients; radioimmunoassay of daily changes in serum FSH and LH] Minagawa J, et al. Folia Endocrinol Jap 48:396-407, 20 Sep 72 (Eng. Abstr.) (Jap)

[The effect of ethymizcie on the gonadotropic function of the hypophysis] Bekhtereva EP, et al. Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

The hypothalamus and reproduction. Schally AV, et al. Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

ISOLATION & PURIFICATION

The hypothalamus and reproduction. Schally AV, et al. Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Evidence for an intrinsic gonadotropic activity of ovine LH in the lizard. Licht P, et al. Gen Comp Endocrinol 20:172-6, Feb 73

METABOLISM

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. Am J Obstet Gynecol 115:606-14, 1 Mar 73

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. Biol Reprod 8:48-57, Feb 73

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al. Gen Comp Endocrinol 20:53-60, Feb 73

Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al. Gen Comp Endocrinol 20:61-8, Feb 73

Pituitary and blood LH in the male lamb. Courot M, et al. J Reprod Fertil 31:497-8, Dec 72

[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al. C R Soc Biol (Paris) 166:550-3, 1972 (Fre)

PHARMACODYNAMICS

Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metabolism in the immature rat ovary. Hamherger L, et al. Acta Endocrinol (Khh) 72:425-37, Mar 73

The effect of ICSH- and its combination with prolactin on the maintenance of pregnancy in the rat. Yang WH, et al. Acta Endocrinol (Kbh) 72:173-81, Jan 73

Hormonal factors in human ovulation. Taymor ML, et al. Am J Obstet Gynecol 114:445-53, 15 Oct 72

Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-6, 15 Mar 73

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al. Biol Reprod 7:254-9, Oct 72

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al. Biol Reprod 8:43-7, Feb 73

Action of an estradiol-17beta antagonist in intact, ovariectomized, hypophysectomized and hypophysectomized-ovariectomized rats. DiPasquale G, et al. Contraception 5:39-51, Jan 72

Effects of vaginal stimulation and pituitary hormones on sleep patterns in the female rabbit. Dufy B, et al. Endocrinology 92:1293-5, Apr 73

Stimulation of lactic acid production in vitro from prepuberal rat ovaries by gonadotropins and their subunits. Farmer SW, et al. Endocrinology 92:1022-7, Apr 73

Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al. Fertil Steril 24:126-30, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W. Gen Comp Endocrinol 19:392-6, Dec 72

Evidence for an intrinsic gonadotropic activity of ovine LH in the lizard. Licht P, et al. Gen Comp Endocrinol 20:172-6, Feb 73

A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. Gospodarowicz D. J Biol Chem 248:1314-7, 25 Feb 73

The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe. Cerini ME, et al. J Reprod Fertil 32:324-5, Feb 73

Pituitary control of the ovine corpus luteum. Denamur R, et al. J Reprod Fertil 32:207-20, Feb 73

The effect of FSH, LH and testosterone on lysosomal enzymes in the rat testis, after post-hypophysectomy regression. Elkington JS, et al. J Reprod Fertil 32:336-7, Feb 73

Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. Hunter RH, et al. J Reprod Fertil 31:499-501, Dec 72

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K. J Reprod Fertil 31:387-97, Dec 72

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72

Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH. Proc Soc Exp Biol Med 142:390-4, Feb 73

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. Prostaglandins 2:331-49, Nov 72

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. Prostaglandins 2:351-67, Nov 72

[Effect of LH on the metabolism of isolated perfused human ovaries] Stähler E, et al. Arch Gynaekol 213:162-75, 1972 (Eng. Abstr.) (Ger)

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al. Prohl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Amounts of gonadotrophins required for normal follicular growth in hypophysectomized adult rats. Welschen R. Acta Endocrinol (Khh) 72:137-55, Jan 73

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. Am J Vet Res 34:181-3, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Mammalian luteinizing hormone-releasing hormone induces ovulation in the domestic fowl. Van Tienhoven A, et al. Gen Comp Endocrinol 19:594-5, Dec 72

Prostaglandins in luteal function. Pharriss BB, et al. Recent Prog Horm Res 28:51-89, 1972

[Hypothalamic releasing hormones] Gilhoa I. Harefuah 83:207-8, 15 Sep 72 (Heb)

SECRETION

Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Griffiths EC, et al. Acta Endocrinol (Khh) 72:9-17, Jan 73

Immunoreactive luteinizing hormones and

progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al.
Acta Endocrinol (Khh) 72:573-81, Mar 73

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Khh) 171:3-27, 1972 (108 ref.)

The kinetics of the pituitary-gonadal system of aihino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al.
Acta Obstet Gynecol Scand 52:171-5, 1973

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. **Biol Reprod 8:58-61, Feh 73**

Evidence for neural sites of action of phenoharhital and progesterone on LH release in the hamster. Norman RL, et al. **Biol Reprod 8:83-6, Feh 73**

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R.
Contraception 5:1-19, Jan 72

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al.
Endocrinol Jap 19:449-59, Oct 72

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al.
Fertil Steril 24:116-20, Feb 73

Episodic release of luteinizing hormone at mid-menstrual cycle in normal adult women. Kapen S, et al. **J Clin Endocrinol Metab 36:724-9, Apr 73**

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. **J Pharm Sci 62:179-200, Feh 73 (162 ref.)**

Ovine luteinizing hormone release induced hy a synthetic gonadotrophin-releasing factor. Cumming IA, et al. **J Reprod Fertil 32:340, Feh 73**

Plasma prolactin release about oestrus and after suckling in the heef cow. Cummins LJ, et al.
J Reprod Fertil 32:319, Feh 73

The release of luteinizing hormone hy oestradiol-17 and a synthetic gonadotrophin-releasing factor in ewes affected with clover disease. Findlay JK, et al.
J Reprod Fertil 32:341-2, Feh 73

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. **J Reprod Fertil 32:341, Feb 73**

The effect of hypothalamic gonadotrophin releasing hormones on the secretion of luteinizing hormone from the pituitary gland of the domestic fowl. Onuora GI, et al. **J Reprod Fertil 31:494-5, Dec 72**

Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Héry M, et al.
Life Sci [I] 11:809-15, 1 Sep 72

Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. **Life Sci [I] 11:623-30, 1 Jul 72**

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

Participation of the amygdala and of the cerehellum in the feedback effects of progesterone. Piva F, et al.
Neuroendocrinology 11:229-39, 1973

Reinitiation of estrous cycles in old constant-estrous rats hy central-acting drugs. Quadri SK, et al.
Neuroendocrinology 11:248-55, 1973

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Bahichev VN.
Neurosci Behav Physiol 5:195-9, Jul-Sep 72

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al.
Obstet Gynecol 41:227-33, Feh 73

Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al.
Prostaglandins 2:199-205, Sep 72

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al.
Tohoku J Exp Med 108:123-31, Oct 72

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med 108:9-18, Sep 72**

[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al.
Zentralbl Gynaekol 94:1697-701, 9 Dec 72 (Ger)

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

STANDARDS

An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. Bangham DR, et al.
J Clin Endocrinol Metab 36:647-60, Apr 73

THERAPEUTIC USE

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Hormonal factors in human ovulation. Taymor ML, et al.
Am J Obstet Gynecol 114:445-53, 15 Oct 72

URINE

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73

Drugs in infertility. Barnes EW, et al.
Br Med J 1:234, 27 Jan 73

Cyclical ovarian function in women with congenital absence of the uterus and vagina. Fraser IS, et al.
J Clin Endocrinol Metab 36:634-7, Apr 73

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al.
J Clin Endocrinol Metab 36:661-5, Apr 73

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

[The immunochemical ICSH test in andrology] Krause W, et al. **Andrologie 4:147-51, 1972 (Eng. Abstr.) (Ger)**

[Endocrinological environment at the time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Endocrine environment of pregnancy, a study of urinary hormones] Kamata S.
Clin Endocrinol (Tokyo) 20:709-14, Sep 72 (Jap)

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:19-22, Jul-Aug 72 (Eng. Abstr.) (Rus)

LIPOTROPIN

ANTAGONISTS & INHIBITORS

[Depression of lipolysis and potentiation of the hypoglycemic effect of insulin using insulin derivatives with a neutral effect on the blood sugar level] Dil'man VM, et al.
Probl Endokrinol (Mosk) 18:62-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

MENOTROPINS

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO.
Biol Reprod 8:2-10, Feh 73 (53 ref.)

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)**

PHARMACODYNAMICS

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al. **Am J Obstet Gynecol 115:447-50, 15 Feb 73**

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. **Prostaglandins 2:331-49, Nov 72**

THERAPEUTIC USE

Development of anti-human FSH antibody in a patient with isolated FSH deficiency. Spitz I, et al. **J Clin Endocrinol Metab 36:684-90, Apr 73**

[Gonadotropins--their side effects] Tojo S, et al. **Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)**

MSH

ANALYSIS

The cellular source of melanocyte-stimulating hormone in Anguilla pituitary. Baker BI. **Gen Comp Endocrinol 19:515-21, Dec 72**

Comparative studies of crustacean melanophore-stimulating hormones. Kleinholz LH. **Gen Comp Endocrinol 19:473-83, Dec 72**

[Reflectometric evaluation of MSH using Bufo arenarum melanophores in vitro] Iturriza FC, et al. **Acta Physiol Lat Am 22:140-5, 1972 (Eng. Abstr.) (Spa)**

ANTAGONISTS & INHIBITORS

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res 28:201-27, 1972**

BLOOD

Dissociation of MSH and ACTH release in man. Kastin AJ, et al. **J Clin Endocrinol Metab 36:770-2, Apr 73**

Melanocyte-stimulating hormone and parkinsonism. Robins AH. **Lancet 1:727, 31 Mar 73**

Melanocyte-stimulating hormone and parkinsonism. Shuster S, et al. **Lancet 1:463-4, 3 Mar 73**

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K. **Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)**

ISOLATION & PURIFICATION

Comparative studies of crustacean melanophore-stimulating hormones. Kleinholz LH. **Gen Comp Endocrinol 19:473-83, Dec 72**

METABOLISM

[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G. **Arch Dermatol Forsch 244:495-9, 1972 (Ger)**

PHARMACODYNAMICS

The effect of melanocyte-stimulating hormone on coat color in the mouse. Geschwind II, et al. **Recent Prog Horm Res 28:91-130, 1972**

PHYSIOLOGY

Melanocyte-stimulating hormone and parkinsonism. Shuster S, et al. **Lancet 1:463-4, 3 Mar 73**

The effect of melanocyte-stimulating hormone on coat color in the mouse. Geschwind II, et al. **Recent Prog Horm Res 28:91-130, 1972**

[Hypothalamic releasing hormones] Gilboa I. **Harefuah 83:207-8, 15 Sep 72 (Heb)**

SECRETION

Autoregulation of the secretion of MSH in incubates of toad pars intermedia. Iturriza FC. **Gen Comp Endocrinol 20:168-71, Feb 73**

Release of melanocyte-stimulating hormone from the rat posterior pituitary lobe incubated in situ and from the hypothalamus. Cyrkowicz A. **Neuroendocrinology 10:257-60, 1972**

Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats. Taleisnik S, et al. **Neuroendocrinology 10:235-45, 1972**

Corticotrophic cells in the rostral zone of the pars intermedia and in the adjacent neurohypophysis of the rat and mouse. An electron microscopic study. Stoeckel ME, et al. **Z Zellforsch Mikrosk Anat 136:97-110, 1973**

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K. **Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)**

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al. **Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)**

NEUROPHYSINS

Hormonal interactions at the molecular level. A study of oxytocin and vasopressin binding to bovine neurophysins. Camler M, et al. **Eur J Biochem 32:207-14, 15 Jan 73**

ANALYSIS

Isolation of (Arg 8)vasopressin from the neurophysin complex by free-flow continuous electrophoresis. Prusik Z, et al. **Hoppe Seylers Z Physiol Chem 353:1837-40, Dec 72**

Studies of human neurophysin by radioimmunoassay. Cheng KW, et al. **J Clin Endocrinol Metab 36:553-60, Mar 73**

The tentative identification of three neurophysins from the rat posterior pituitary gland. Watkins WB. **J Endocrinol 55:577-89, Dec 72**

BLOOD

Studies of human neurophysin by radioimmunoassay. Cheng KW, et al. **J Clin Endocrinol Metab 36:553-60, Mar 73**

ISOLATION & PURIFICATION

Hormonal interactions at the molecular level. A study of oxytocin and vasopressin binding to bovine neurophysins. Camler M, et al. **Eur J Biochem 32:207-14, 15 Jan 73**

METABOLISM

Distribution of soluble proteins in the mammalian neurohypophysis and their cross-species reactivity with anti-neurophysin. Ellis HK, et al. **J Endocrinol 55:565-75, Dec 72**

OXYTOCICS

ADMINISTRATION & DOSAGE

Prenatal psychological state and the use of drugs in labor. Brown WA, et al. **Am J Obstet Gynecol 113:598-601, 1 Jul 72**

PHARMACODYNAMICS

[The effect of intravenous oxytocin, methyloxytocin and desaminooxytocin on uterine contractions, the fetal heart rate and the actual fetal pH] Bärtschi R, et al. **Geburtshilfe Frauenheilkd 32:826-31, Oct 72 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

Prenatal psychological state and the use of drugs in labor. Brown WA, et al. **Am J Obstet Gynecol 113:598-601, 1 Jul 72**

[Changes in the phosphorus compound and electrolyte content of the blood during pregnancy and labor under the effect of drugs with tonomotoric action: vetrasine and ATP] Matspanova OD, et al.

Vopr Okhr Materin Det 17:70-3, Sep 72 (Eng. Abstr.) (Rus)

OXYTOCIN

The effect of paracervical block on cervical dilatation and uterine activity. Jenssen H.
Acta Obstet Gynecol Scand 52:13-22, 1973

Oxytocinase activity determination: a modification. Peeters J. Clin Chem 18:1442-3, Nov 72

Hormonal interactions at the molecular level. A study of oxytocin and vasopressin binding to bovine neurophysins. Camier M, et al.
Eur J Biochem 32:207-14, 15 Jan 73

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. Experientia 28:1493-5, 15 Dec 72

Intraneuronal transport in the hypothalamoneurohypophysial system of the goldfish (Carassius auratus). Jones CW, et al.
Gen Comp Endocrinol 20:99-106, Feb 73

The tentative identification of three neurophysins from the rat posterior pituitary gland. Watkins WB.
J Endocrinol 55:577-89, Dec 72

Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon. Anderson GG, et al. J Reprod Med 9:434-6, Dec 72

Induction of labor with prostaglandins: summary of present status. Beazley JM.
J Reprod Med 9:469-71, Dec 72

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI.
J Reprod Med 9:400-12, Dec 72

Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F2 alpha . Gillett PG, et al. J Reprod Med 9:416-9, Dec 72

Induction of labor with prostaglandin F2 and oxytocin: a matched study. Moghissi KS, et al.
J Reprod Med 9:304-6, Dec 72

An evaluation of prostaglandin F 2 for the induction of labor at term. Sherman AI, et al.
J Reprod Med 9:292-9, Dec 72

Prostaglandin F 2 and oxytocin for term labor induction. Spellacy WN, et al.
J Reprod Med 9:300-3, Dec 72

Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. Tchilinguirian NG. J Reprod Med 9:331-8, Dec 72

The fetal effect of prostaglandin F 2 applied in the elective induction of labor at term. Thiery M, et al.
J Reprod Med 9:314-26, Dec 72

Intraamniotic urea for induction of mid-trimester abortion. Weinberg PC, et al.
Obstet Gynecol 41:451-4, Mar 73

Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. Prostaglandins 2:93-101, Aug 72

Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972

[Cystine aminopeptidase activity as an exponent of oxytocinase action in pregnancy and labor] Pydzik T.
Ginekol Pol 44:75-9, Jan 73 (Pol)

ADMINISTRATION & DOSAGE

A comparison of intramuscular ergometrine maleate and oxytocin with intravenous oxytocin and intramuscular ergometrine in the third stage of labour. Beard RJ, et al. Br J Clin Pract 27:13-4, Jan 73

Induction of labour by simultaneous intravenous administration of prostaglandin E 2 and oxytocin. Naismith WC, et al. Br Med J 4:461-2, 25 Nov 72

Inhibitory effect of continuous infusion of oxytocin on lactation in cows. Graf GC, et al.
J Dairy Sci 56:181-3, Feb 73

Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al.
J Reprod Med 9:287-91, Dec 72

Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon. Anderson GG, et al. J Reprod Med 9:434-6, Dec 72

Induction of labor with prostaglandin F2 and oxytocin: a matched study. Moghissi KS, et al.
J Reprod Med 9:304-6, Dec 72

Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. Tchilinguirian NG. J Reprod Med 9:331-8, Dec 72

Lypressin (Diapid) and other drugs for diabetes insipidus. Med Lett Drugs Ther 14:98-9, 22 Dec 72

Mechanised infusion of oxytocics. Hamlett JD.
Nurs Mirror 136:10-2, 2 Feb 73

Mid-trimester abortion with intraamniotic saline and intravenous oxytocin. Ballard CA, et al.
Obstet Gynecol 41:447-50, Mar 73

An expediting procedure for late abortion. Shipp JF, et al. Obstet Gynecol 41:477, Mar 73

Intraamniotic urea for induction of mid-trimester abortion. Weinberg PC, et al.
Obstet Gynecol 41:451-4, Mar 73

Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. Prostaglandins 2:93-101, Aug 72

Accidental administration of syntometrine to a neonate. Brereteon-Stiles GG, et al.
S Afr Med J 46:2052, 30 Dec 72

A comparison of prostaglandin F2 alpha and oxytocin in the induction of labour. Scher J, et al.
S Afr Med J 46:2009-12, 23 Dec 72

[Venous infusion of oxytocin in labor induction] Slavchev N, et al.
Akush Ginekol (Sofiia) 11:298-303, 1972 (Bul)

[The effect of intravenous oxytocin, methyloxytocin and desaminooxytocin on uterine contractions, the fetal heart rate and the actual fetal pH] Bärtschi R, et al.
Geburtshilfe Frauenheilkd 32:826-31, Oct 72 (Eng. Abstr.) (Ger)

[Oxytocin] Yamamoto K.
Clin Endocrinol (Tokyo) 20:801-4, Oct 72 (13 ref.) (Jap)

[Somatic complications after legal abortion by vacuum aspiration combined with oxytocin infusion] Johansson ED, et al.
Lakartidningen 69:6045-8, 13 Dec 72 (Eng. Abstr.) (Swe)

ADVERSE EFFECTS

Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon. Anderson GG, et al. J Reprod Med 9:434-6, Dec 72

Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. Tchilinguirian NG. J Reprod Med 9:331-8, Dec 72

Cervical fistula as a complication of mid-trimester abortion. Hirsch JS. Obstet Gynecol 41:478-9, Mar 73

[Oxytocin] Yamamoto K.
Clin Endocrinol (Tokyo) 20:801-4, Oct 72 (13 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Effect of caffeine and theophylline on Mg ++ -dependent ATPase. Mirčevová L, et al.
Arch Int Physiol Biochim 80:815-8, Oct 72

BIOSYNTHESIS

Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972

BLOOD

Human urine oxytocin levels during pregnancy and labor. Boyd NR, et al.
Am J Obstet Gynecol 115:827-9, 15 Mar 73

Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972

CHEMICAL SYNTHESIS

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. Experientia 28:1493-5, 15 Dec 72

The use of intermediates with preformed disulfide bridge for the synthesis of oxytocin and deamino-oxytocin. Mühlemann M, et al.
Helv Chim Acta 55:2854-60, 1972

DIAGNOSTIC USE

[Detection of chronic fetal suffering during pregnancy toxemia. Comparative value of urinary estriol determination and of a test of fetal tolerance to

uterine contraction] Hajeri H, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:593-4, Sep 72 (Fre)

ISOLATION & PURIFICATION

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. Experientia 28:1493-5, 15 Dec 72
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. J Physiol (Lond) 227:553-64, Dec 72

METABOLISM

The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus. Griffiths EC, et al.
Acta Endocrinol (Kbh) 72:1-8, Jan 73
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. J Physiol (Lond) 227:553-64, Dec 72
Degradation of neurohypophyseal hormones by brain extracts and purified brain enzymes. Marks N, et al.
Proc Soc Exp Biol Med 142:455-60, Feb 73
Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972

PHARMACODYNAMICS

Mammary secretion of IgG in sows. Martinsson K.
Acta Vet Scand 13:191-6, 1972
Effect of different doses of ethanol on the milk-ejecting reflex in lactating women. Cobo E.
Am J Obstet Gynecol 115:817-21, 15 Mar 73
Effect of caffeine and theophylline on Mg ++ -dependent ATPase. Mirčevová L, et al.
Arch Int Physiol Biochim 80:815-8, Oct 72
Termination of pregnancy: current status and future directions. Johnson DS.
Contraception 5:237-49, Mar 72
Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. Experientia 28:1493-5, 15 Dec 72
Inhibitory effect of continuous infusion of oxytocin on lactation in cows. Graf GC, et al.
J Dairy Sci 56:181-3, Feb 73
The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. Ellendorff F, et al.
J Reprod Fertil 32:299-303, Feb 73
Uterine activity response to constant infusion of prostaglandin F 2 in term human pregnancy. Witting WC, et al. J Reprod Med 9:283-6, Dec 72
[Inhibition of uterine contraction. Several aspects and relationsbips with cyclic AMP] De la Fuente P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:497-507, Sep 72 (Eng. Abstr.) (Fre)
[The effect of intravenous oxytocin, methyloxytocin and desaminooxytocin on uterine contractions, the fetal heart rate and the actual fetal pH] Bärtschi R, et al.
Geburtshilfe Frauenheilkd 32:826-31, Oct 72 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Effect of different doses of ethanol on the milk-ejecting reflex in lactating women. Cobo E.
Am J Obstet Gynecol 115:817-21, 15 Mar 73
Aspirin potentiates the hydrosmotic effect of antidiuretic hormone in toad urinary bladder. Parisi M, et al. Biochim Biophys Acta 279:209-12, 18 Aug 72
Induction of labor by breast stimulation. Jhirad A, et al.
Obstet Gynecol 41:347-50, Mar 73
Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972
[Endocrine regulation of labor in cattle, sheep and goats] Agthe O.
Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)
[Prolactin and its significance in human and animal lactation] Berle P.
Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)
[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 (Pol)

SECRETION

Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. J Physiol (Lond) 227:553-64, Dec 72
Reflex pathways controlling lactation. Tindal JS.
Proc R Soc Med 65:1085-6, Dec 72 (11 ref.)
[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

The turnover of amniotic fluid protein in the human conceptus. Gitlin D, et al.
Am J Obstet Gynecol 113:632-45, 1 Jul 72
Induction of abortion by extra-amniotic administration of prostaglandin F2alpha; a preliminary report. Hingorani V, et al. Contraception 6:353-9, Nov 72
Brook Lodge symposium on prostaglandins. Moderator's summary. Csapo AI.
J Reprod Med 9:327-30, Dec 72
Massive initial prostaglandin impact in postconceptional therapy. Csapo AI, et al.
Prostaglandins 2:125-34, Aug 72
Septic abortion and septic shock. Botes M.
S Afr Med J 47:432-5, 10 Mar 73
[Uterokinetic effect of desamino-oxytocin] Iarukov L, et al.
Akush Ginekol (Sofiia) 11:287-91, 1972 (Eng. Abstr.) (Bul)
[Venous infusion of oxytocin in labor induction] Slavchev N, et al.
Akush Ginekol (Sofiia) 11:298-303, 1972 (Bul)
[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 (Pol)
[Somatic complications after legal abortion by vacuum aspiration combined with oxytocin infusion] Johansson ED, et al.
Lakartidningen 69:6045-8, 13 Dec 72 (Eng. Abstr.) (Swe)

URINE

Human urine oxytocin levels during pregnancy and labor. Boyd NR, et al.
Am J Obstet Gynecol 115:827-9, 15 Mar 73

PHELYPRESSIN

PHARMACODYNAMICS

Effects of noradrenaline and felypressin on cutaneous local blood flow after sympathetic denervation. A study on rats. Norberg KA, et al.
Scand J Plast Reconstr Surg 6:106-9, 1972

PITUITARY HORMONES

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

METABOLISM

Enzyme adaptation as a biochemical probe of development and aging. Adelman RC, et al.
Adv Enzyme Regul 10:365-82, 1972 (53 ref.)

PHARMACODYNAMICS

Action of an estradiol-17beta antagonist in intact, ovariectomized, hypophysectomized and hypophysectomized-ovariectomized rats. DiPasquale G, et al. Contraception 5:39-51, Jan 72
Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72

PHYSIOLOGY

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72
Interrelationships of mammalian hormones and

enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)

SECRETION

Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Ying SY, et al.
Acta Endocrinol (Kbh) 72:161-72, Jan 73
The hypothalamic median eminence as a neuroendocrine organ. Kobayashi H, et al.
Med J Osaka Univ 23:43-55, Sep 72
[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 **(Ita)**
[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) **(Ukr)**

PITUITARY HORMONES, ANTERIOR

A generalized homology correlation for various hormones and proteins. Weinstein B.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)

ANALYSIS

Revised structure of sheep beta-lipotropic hormone. Chrétien M, et al. **Int J Pept Protein Res** 4:263-5, 1972
[Radioimmunoassay of pituitary hormones] Kumahara Y, et al. **Jap J Clin Pathol** 20:Suppl:1, 1972 **(Jap)**

PHARMACODYNAMICS

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K.
J Reprod Fertil 31:387-97, Dec 72

PHYSIOLOGY

[Prolactin and its significance in human and animal lactation] Berle P.
Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) **(Ger)**

SECRETION

Effect of L-dopa on anterior pituitary hormone release in man. Saito S, et al. **Endocrinol Jap** 19:435-42, Oct 72

PITUITARY HORMONES, POSTERIOR

ADMINISTRATION & DOSAGE

[Hemorrhage from esophageal varices. Treatment by posterior pituitary perfusion into the superior mesenteric artery] Heully F, et al.
Nouv Presse Med 1:3129-31, 23 Dec 72 **(Fre)**

ADVERSE EFFECTS

[Iatrogenic complications in the management of diabetes insipidus using posterior pituitary extract in powder form] Windischbauer G.
Wien Klin Wochenschr 85:103-7, 16 Feb 73 **(Ger)**

PHARMACODYNAMICS

[Effects of secretin, pancreozymin and posthypophyseal extracts on protein, A 2 phospholipase and lipase output in rat pancreatic juice] Belleville J, et al.
J Physiol (Paris) 65:Suppl 1:96A, 1972 **(Fre)**
[Ontogenic development of gastric secretion] Zaks MG, et al.
Zh Evol Biokhim Fiziol 8:102-8, Jan-Feb 72 (54 ref.) **(Rus)**

PROLACTIN

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO.
Biol Reprod 8:2-10, Feb 73 (53 ref.)
Measurement of growth hormone synthesis by rat pituitary cells in culture. Bancroft FC.
Endocrinology 92:1014-21, Apr 73
Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73
Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73
Some immunological properties of canine prolactin. Saluja PG, et al. **Eur J Cancer** 8:579-81, Oct 72
Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Relkin R, et al.
Neuroendocrinology 11:240-7, 1973
Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972
[Radioimmunologic determination of ovine and bovine growth hormones. Neutralization or elimination of anti-prolactin antibodies in anti-somatotropin immune serums] Martal J.
C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 **(Fre)**

ADMINISTRATION & DOSAGE

Studies on the arrested development of Haemonchus contortus in sheep. II. Termination of arrested development and the spring rise phenomenon. Blitz NM, et al. **Int J Parasitol** 2:13-22, Mar 72

ANALYSIS

Direct action of synthetic progestins on the hypophysis. Baker BL, et al.
Endocrinology 92:965-72, Apr 73
Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al.
J Clin Endocrinol Metab 36:531-47, Mar 73
A homologous radioimmunoassay for human prolactin. Sinha YN, et al.
J Clin Endocrinol Metab 36:509-16, Mar 73

ANTAGONISTS & INHIBITORS

Levodopa in Forbes-Albright syndrome. Flückiger E, et al. **Can Med Assoc J** 108:554, 3 Mar 73
Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al.
Nature (Lond) 240:554-6, 29 Dec 72

BIOSYNTHESIS

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al.
Jap J Physiol 22:491-503, Oct 72
[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 **(Ita)**

BLOOD

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al.
Acta Endocrinol (Kbh) 72:101-14, Jan 73
Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73
Galactorrhoea: successful treatment with reduction of plasma prolactin levels by brom-ergocryptine. Besser GM, et al. **Br Med J** 3:669-72, 16 Sep 72
Levodopa in Forbes-Albright syndrome. Flückiger E, et al. **Can Med Assoc J** 108:554, 3 Mar 73
The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al.
Endocrinology 92:1256-68, Apr 73
Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow. Kelly PA, et al.
Endocrinology 92:1289-93, Apr 73
Failure to induce pseudopregnancy in Na-pentobarbital anesthetized rats: effects on serum prolactin and LH. Wuttke W. **Endocrinology** 92:1280-2, Apr 73
Estrogen-sensitive cell lines: uptake of labeled sex

steroids and growth properties. Sonnenschein C, et al. **Exp Cell Res 78:41-6, 30 Mar 73**

LH, prolactin, estradiol and progesterone in bovine blood serum during early pregnancy. Wettemann RP, et al. **J Anim Sci 36:51-6, Jan 73**

Effect of thyrotropin-releasing hormone on human pituitary thyrotropin, prolactin, placental lactogen, and chorionic thyrotropin. Hershman JM, et al. **J Clin Endocrinol Metab 36:497-501, Mar 73**

Gynecomastia, prolactin, and other peptide hormones in patients undergoing chronic hemodialysis. Nagel TC, et al. **J Clin Endocrinol Metab 36:428-32, Mar 73**

A homologous radioimmunoassay for human prolactin. Sinha YN, et al. **J Clin Endocrinol Metab 36:509-16, Mar 73**

Relationships among mammary nucleic acids, milk yield, serum prolactin, and growth hormone in heifers from 3 months of age to lactation. Tucker HA, et al. **J Dairy Sci 56:184-8, Feb 73**

Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. **J Dairy Sci 56:261-3, Feb 73**

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al. **J Natl Cancer Inst 49:701-11, Sep 72**

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al. **J Reprod Fertil 32:334-5, Feb 73**

Plasma prolactin release about oestrus and after suckling in the beef cow. Cummins LJ, et al. **J Reprod Fertil 32:319, Feb 73**

Observations on the pattern of prolactin release during suckling in the ewe. McNeilly JR. **J Reprod Fertil 31:487-8, Dec 72**

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. **Neuroendocrinology 11:240-7, 1973**

Effect of TRH and triiodothyronine on prolactin release in sheep. Deheijuk L, et al. **Proc Soc Exp Biol Med 142:421-3, Feb 73**

Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat. Ellendorff F, et al. **Proc Soc Exp Biol Med 142:417-20, Feb 73**

Relation between growth of carcinogen-induced mammary cancers and serum prolactin values in rats. Nagasawa H, et al. **Proc Soc Exp Biol Med 142:625-7, Feb 73**

Studies on prolactin in man. Frantz AG, et al. **Recent Prog Horm Res 28:527-90, 1972**

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al. **C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)**

[Prolactin and its significance in human and animal lactation] Berle P. **Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)**

METABOLISM

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod 8:48-57, Feb 73**

Observations on the pattern of prolactin release during suckling in the ewe. McNeilly JR. **J Reprod Fertil 31:487-8, Dec 72**

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol 22:491-503, Oct 72**

[Excretion of lactogenic hormone during pregnancy] Shirokinskaia ON, et al. **Akush Ginekol (Mosk) 48:30-2, Nov 72 (Eng. Abstr.) (Rus)**

PHARMACODYNAMICS

The effect of ICSH- and its combination with prolactin on the maintenance of pregnancy in the rat. Yang WH, et al. **Acta Endocrinol (Kbh) 72:173-81, Jan 73**

Prolactin-stimulated deoxyribonucleic acid synthesis in rabbit mammary tissue. Bourne RA, et al. **Biochem J 130:10P, Nov 72**

Interactions of insulin, corticosterone and prolactin in promoting milk-fat synthesis by mammary explants from pregnant rabbits. Forsyth IA, et al. **Biochem J 129:929-35, Oct 72**

Stimulation of hepatic RNA synthesis in dwarf mice by ovine prolactin. Chen HW, et al. **Biochim Biophys Acta 287:90-7, 16 Nov 72**

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod 8:48-57, Feb 73**

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. **Cancer Res 33:220-5, Feb 73**

Hormonal effect on Na-K-ATPase activity in the gill of Japanese eel, Anguilla japonica, with special reference to seawater adaptation. Kamiya M. **Endocrinol Jap 19:489-93, Oct 72**

Biochemical data on some organs from normal or prolactin-treated Xenopus laevis (Daudin) adults reared in fresh and in salt water. Giunta C, et al. **Gen Comp Endocrinol 20:183-9, Feb 73**

Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens. Gona AG, et al. **Gen Comp Endocrinol 20:107-11, Feb 73**

Some aspects of mouse mammary gland development from maturity to early pregnancy. Topper YJ, et al. **In Vitro 8:228-36, Nov-Dec 72**

Studies on the arrested development of Haemonchus contortus in sheep. II. Termination of arrested development and the spring rise phenomenon. Blitz NM, et al. **Int J Parasitol 2:13-22, Mar 72**

Concerning the necessary coupling of development to proliferation of mouse mammary epithelial cells. Owens IS, et al. **J Biol Chem 248:472-7, 25 Jan 73**

An early effect of prolactin on the formation of -lactalbumin by mouse mammary epithelial cells. Vonderhaar BK, et al. **J Biol Chem 248:467-71, 25 Jan 73**

Pituitary control of the ovine corpus luteum. Denamur R, et al. **J Reprod Fertil 32:207-20, Feb 73**

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. **J Reprod Med 9:271-6, Dec 72**

The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A. **Prostaglandins 2:417-25, Nov 72**

Studies on prolactin in man. Frantz AG, et al. **Recent Prog Horm Res 28:527-90, 1972**

[Prolactin enhancement of absorption of sodium ions in isolated gills from larva of Amblystoma mexicanum] Wittouck PJ. **Arch Int Physiol Biochim 80:825-7, Oct 72 (Eng. Abstr.) (Fre)**

[Changes in N-acetylneuraminic acid content of the eel intestine after hypophysectomy and treatment with prolactin] Lemoine AM, et al. **C R Soc Biol (Paris) 166:507-12, 1972 (Fre)**

PHYSIOLOGY

The nature of estrogen and prolactin effect on mammary tumorigenesis. Sinha D, et al. **Cancer Res 33:411-4, Feb 73**

The effect of prolactin, thyroxine, and thyrotropin on the sloughing cycle of the lizard Gekko gecko L. Chiu KW, et al. **Gen Comp Endocrinol 19:592-3, Dec 72**

Induction and suppression of lactation in animals. Cowie AT. **Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)**

Studies on prolactin in man. Frantz AG, et al. **Recent Prog Horm Res 28:527-90, 1972**

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. **Recent Prog Horm Res 28:471-526, 1972**

Responses of prolactin cells of two euryhaline marine fishes, Gillichthys mirabilis and Platichthys stellatus, to environmental salinity. Nagahama Y, et al. **Z Zellforsch Mikrosk Anat 136:153-67, 1973**

[Prolactin and its significance in human and animal lactation] Berle P. **Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)**

SECRETION

Galactorrhoea: successful treatment with reduction of plasma prolactin levels by brom-ergocryptine. Besser GM, et al. **Br Med J 3:669-72, 16 Sep 72**

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al. **Endocrinol Jap 19:449-59, Oct 72**

Identification by immunofluorescence of prolactin-producing cells in the hypophysis of the newt, Triturus cristatus carnifex Laur. Vellano C, et al. **Gen Comp Endocrinol 20:177-82, Feb 73**

The effect of interval between milkings on prolactin release and milk production in the cow. Fell LR, et al. **J Reprod Fertil 32:317-8, Feb 73**

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol 22:491-503, Oct 72**

Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Quadri SK, et al. **Neuroendocrinology 11:248-55, 1973**

Reflex pathways controlling lactation. Tindal JS. **Proc R Soc Med 65:1085-6, Dec 72 (11 ref.)**

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. **Recent Prog Horm Res 28:471-526, 1972**

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al. **Tohoku J Exp Med 108:123-31, Oct 72**

Responses of prolactin cells of two euryhaline marine fishes, Gillichthys mirabilis and Platichthys stellatus, to environmental salinity. Nagahama Y, et al. **Z Zellforsch Mikrosk Anat 136:153-67, 1973**

[Effect of a single injection of copper acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris) 166:772-4, 1972 (Fre)**

[Effect of long-term administration of copper acetate and zinc acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris) 166:836-9, 1972 (Fre)**

[TRH and LH-RH] Saito S, et al. **Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)**

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al. **Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)**

STANDARDS

[Method to determine the biological activity of prolactin] Antonova EE, et al. **Probl Endokrinol (Mosk) 18:103-5, Jul-Aug 72 (Eng. Abstr.) (Rus)**

URINE

[Excretion of lactogenic hormone during pregnancy] Sbirokinskaia ON, et al. **Akush Ginekol (Mosk) 48:30-2, Nov 72 (Eng. Abstr.) (Rus)**

SOMATOTROPIN

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al. **Endocrinology 92:1051-64, Apr 73**

Some immunological properties of canine prolactin. Saluja PG, et al. **Eur J Cancer 8:579-81, Oct 72**

Diabetes mellitus in patients with aneuploid chromosome aberrations and in their parents. Nielsen J. **Humangenetik 16:165-70, 1972**

Development of anti-human FSH antibody in a patient with isolated FSH deficiency. Spitz I, et al. **J Clin Endocrinol Metab 36:684-90, Apr 73**

Characteristics of "big ACTH" in human plasma and pituitary extracts. Yalow RS, et al. **J Clin Endocrinol Metab 36:415-23, Mar 73**

Protection of tyrosine in solid-phase peptide synthesis. Yamashiro D, et al. **J Org Chem 38:591-2, 9 Feb 73**

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. **Neuroendocrinology 11:240-7, 1973**

Enzymatic synthesis of growth hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Reichlin S, et al. **Proc Soc Exp Biol Med 142:497-501, Feb 73**

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al. **C R Acad Sci [D] (Paris) 275:2913-6, 18 Dec 72 (Fre)**

[Diabetic angiopathy] Lundbaek K. **Dtsch Med J 23:592-5, Oct 72 (Ger)**

[Radio-iodination of proteins] Kurata K. **Clin Endocrinol (Tokyo) 20:1121-5, Dec 72 (Jap)**

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al. **Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)**

ADMINISTRATION & DOSAGE

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. **Endocrinology 92:1089-95, Apr 73**

Tissue distribution of radioiodinated human growth hormone in the mouse. Mizejewski GJ. **Proc Soc Exp Biol Med 142:589-94, Feb 73**

[Effect of growth hormone on the metabolism of bones and the healing of fractures] Mühlbach R, et al. **Acta Chir Acad Sci Hung 13:51-63, 1972 (Ger)**

ANALYSIS

Sequence comparison of human pituitary growth hormone, human chorionic somatomammotropin, and ovine pituitary growth and lactogenic hormones. Bewley TA, et al. **Int J Pept Protein Res 4:281-7, 1972**

Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin. Guyda H, et al. **J Clin Endocrinol Metab 36:531-47, Mar 73**

Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC. **J Natl Cancer Inst 48:113-8, Jan 72**

Maternal, fetal and amniotic fluid levels of glucose, insulin and growth hormone. Spellacy WN, et al. **Obstet Gynecol 41:323-31, Mar 73**

[Radioimmunologic determination of ovine and bovine growth hormones. Neutralization or elimination of anti-prolactin antibodies in anti-somatotropin immune serums] Martal J. **C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 (Fre)**

[Radioimmunoassay of rat somatotropin using a new isolation technic] Rieutort M. **C R Acad Sci [D] (Paris) 274:3589-92, 26 Jun 72 (Fre)**

ANTAGONISTS & INHIBITORS

The use of mass spectrometry in deducing the sequence of somatostatin--a hypothalamic polypeptide that inhibits the secretion of growth hormone. Ling N, et al. **Biochem Biophys Res Commun 50:127-33, 4 Jan 73**

Failure of suppression of nocturnal growth hormone rise by acute corticosteroid administration. Krieger DT, et al. **Horm Metab Res 4:463-6, Nov 72**

[Interrelations of hormones and histones. Inhibition of the action of growth hormone by histone fragments] Ashmarin IP, et al. **Dokl Akad Nauk SSSR 208:451-3, 11 Jan 73 (Rus)**

[Depression of lipolysis and potentiation of the hypoglycemic effect of insulin using insulin derivatives with a neutral effect on the blood sugar level] Dil'man VM, et al. **Probl Endokrinol (Mosk) 18:62-9, Nov-Dec 72 (Eng. Abstr.) (Rus)**

BIOSYNTHESIS

Septo-optic dysplasia with growth hormone deficiency (De Morsier syndrome). Harris RJ, et al. **Arch Dis Child 47:973-6, Dec 72**

Measurement of growth hormone synthesis by rat pituitary cells in culture. Bancroft FC. **Endocrinology 92:1014-21, Apr 73**

Synthesis and secretion of growth hormone in the rat anterior pituitary. II. Properties of the isolated growth hormone storage granules. Howell SL, et al. **J Cell Sci 12:23-35, Jan 73**

Synthesis and secretion of growth hormone in the rat anterior pituitary. I. The intracellular pathway, its time course and energy requirements. Howell SL, et al. **J Cell Sci 12:1-21, Jan 73**

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol 22:491-503, Oct 72**

Growth hormonal activity of thyrotropic pituitary tumors. Furth J, et al. **Proc Soc Exp Biol Med 142:511-5, Feb 73**

[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al. **C R Acad Sci [D] (Paris) 275:2913-6, 18 Dec 72 (Fre)**

BLOOD

Enhanced response to tolbutamide in uremia. Gonzalez AR, et al. **Acta Diabetol Lat** 9:373-86, May-Jun 72

Radioimmunoassay of human growth hormone and insulin: a micromethod using an inexpensive gamma counter. Abbott R, et al. **Am J Clin Pathol** 59:174-9, Feb 73

Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al. **Am J Dis Child** 125:293-5, Feb 73

Adrenergic regulation of lipolysis and insulin secretion in the fasted baboon. Goodner CJ, et al. **Am J Physiol** 224:534-9, Mar 73

Abnormalities of insulin and growth hormone secreton in children with coeliac disease. Day G, et al. **Arch Dis Child** 48:41-6, Jan 73

Influence of donor blood temperature on metabolic and hormonal changes during exchange transfusion. Milner RD, et al. **Arch Dis Child** 47:933-7, Dec 72

Glucagon and growth hormone. Stimmler L. **Br Med J** 1:489, 24 Feb 73

Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly. Johnson RH, et al. **Clin Sci** 44:63-71, Jan 73

Effect of L-dopa on anterior pituitary hormone release in man. Saito S, et al. **Endocrinol Jap** 19:435-42, Oct 72

Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Sawano S, et al. **Endocrinol Jap** 19:477-81, Oct 72

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. **Eur J Clin Invest** 2:384-9, Nov 72

The role of fatty acid and of hormones in the determination of myocardial carbohydrate metabolism in healthy fasting men. Wahlqvist ML, et al. **Eur J Clin Invest** 3:57-65, Jan 73

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al. **Horm Metab Res** 4:470-7, Nov 72

Failure of suppression of nocturnal growth hormone rise by acute corticosteroid administration. Krieger DT, et al. **Horm Metab Res** 4:463-6, Nov 72

Disappearnace of human growth hormone 125 I in the anepbric non-uraemic and uraemic rat. Rabkin R, et al. **Horm Metab Res** 4:467-9, Nov 72

Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. addministration of thyrotropin releasing hormone (TRH). Wiegelmann W, et al. **Horm Metab Res** 4:482-4, Nov 72

Plasma insulin and growth hormone in galactosemia. Finkelstein JW, et al. **Hormones** 3:214-20, 1972

Fat mobilization in adipose tissue of weaning rats with bypothalamic obesity. Kasemsri S, et al. **Hormones** 3:97-104, 1972

Central -adrenergic regulation of growth hormone and insulin. Toivola PT, et al. **Hormones** 3:192-213, 1972

Changes in serum cortisol, glucose and free fatty acid levels during tolbutamide-induced hypoglycemia in obese women. Laurian L, et al. **Isr J Med Sci** 8:1817-22, Nov 72

Growth bormone levels in slipped capital femoral epiphysis. Razzano CD, et al. **J Bone Joint Surg [Am]** 54:1224-6, Sep 72

Clomipbene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al. **J Clin Endocrinol Metab** 36:502-8, Mar 73

Serum growth hormone patterns in female juvenile diabetics. Hansen AP. **J Clin Endocrinol Metab** 36:638-46, Apr 73

Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al. **J Clin Endocrinol Metab** 36:784-7, Apr 73

Gynecomastia, prolactin, and other peptide hormones in patients undergoing chronic hemodialysis. Nagel TC, et al. **J Clin Endocrinol Metab** 36:428-32, Mar 73

Relationships among mammary nucleic acids, milk yield, serum prolactin, and growth hormone in heifers from 3 months of age to lactation. Tucker HA, et al. **J Dairy Sci** 56:184-8, Feb 73

Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. Ito A, et al. **J Natl Cancer Inst** 49:701-11, Sep 72

Obesity, hyperinsulinism, and diabetes mellitus in childhood. Martin MM, et al. **J Pediatr** 82:192-201, Feb 73

Metabolic aspects of the Beckwith-Wiedemann syndrome. Schiff D, et al. **J Pediatr** 82:258-62, Feb 73

The effect of smoking on serum somatotropin, immunoreactive insulin and blood glucose levels of young adult males. Sandberg H, et al. **J Pharmacol Exp Ther** 184:787-91, Mar 73

Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. **Med Ann DC** 42:17-22, Jan 73

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore)** 52:73-92, Jan 73

Carbohydrate metabolism in children: (1) blood sugar, serum insulin, and growth hormone during oral glucose tolerance tests; (2) blood sugar during the cortisone glucose tolerance test. Cole HS. **Metabolism** 22:289-93, Feb 73

Chemical diabetes mellitus in the child. Drash A. **Metabolism** 22:255-67, Feb 73

Potassium depletion in hepatic cirrhosis. A reversible cause of impaired growth-hormone and insulin response to stimulation. Podolsky S, et al. **N Engl J Med** 288:644-8, 29 Mar 73

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. **Neuroendocrinology** 11:240-7, 1973

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. **Neurology (Minneap)** 22:1257-67, Dec 72

Maternal, fetal and amniotic fluid levels of glucose, insulin and growth hormone. Spellacy WN, et al. **Obstet Gynecol** 41:323-31, Mar 73

Metabolic response to growth hormone administration, with particular reference to the occurrence of hypercalcuria. Bryson MF, et al. **Pediatr Res** 6:743-51, Oct 72

Effect of levodopa (L-dopa) on serum growth hormone in children with short stature. Chakmakjian ZH, et al. **Pediatr Res** 7:71-4, Feb 73

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al. **Proc Soc Exp Biol Med** 142:421-3, Feb 73

Growtb hormonal activity of thyrotropic pituitary tumors. Furth J, et al. **Proc Soc Exp Biol Med** 142:511-5, Feb 73

Enzymatic synthesis of growtb hormone releasing factor (GH-RF) by rat incubates and hy extracts of rat and porcine hypothalamic tissue. Reichlin S, et al. **Proc Soc Exp Biol Med** 142:497-501, Feb 73

Studies on growth hormone secretion. IV. In vivo effects of prostaglandin E1. Herteiendy F, et al. **Prostaglandins** 2:79-91, Aug 72

The advantages of combined stimulation by arginine and insulin in the study of the secretion of growth hormone. Ruitton A, et al. **Rev Eur Etud Clin Biol** 17:846-54, Nov 72

[Immunochemical determination of the growth hormone] Engelberth O, et al. **Vnitr Lek** 19:24-31, Jan 73 (Eng. Abstr.) **(Cze)**

[Comparison of some radioimmunological methods for determination of somatotropin in human plasma (with reference to sex and acromegaly)] Nedvídková J, et al. **Vnitr Lek** 19:142-50, Feb 73 (Eng. Abstr.) **(Cze)**

[Acromegaly] Lindholm J, et al. **Ugeskr Laeger** 135:183-7, 22 Jan 73 (Eng. Abstr.) **(Dan)**

[Effect of oral administration of L-Dopa on plasma TSH, ACTH and GH levels in normal subjects] Simonin R, et al. **Ann Endocrinol (Paris)** 33:294-6, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Kinetics of the plasmatic concentration of the somatotropic hormone in humans, during moderate exercise and recuperation] Lassarre C, et al. **J Physiol (Paris)** 65:Suppl:254A, Oct 72 **(Fre)**

[Growth disorders in childhood] Bierich JR. **Fortschr Med** 90:961-6, 28 Sep 72 **(Ger)**

[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al. **Klin Wochenschr** 51:123-6, 1 Feb 73 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Disappearnace of human growth bormone 125 I in the anephric non-uraemic and uraemic rat. Rahkin R, et al. **Horm Metab Res** 4:467-9, Nov 72

[Radioimmunoassay of rat somatotropin using a new isolation technic] Rieutort M. **C R Acad Sci [D] (Paris)** 274:3589-92, 26 Jun 72 **(Fre)**

METABOLISM

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh) 72:101-14, Jan 73**

The turnover of amniotic fluid protein in the human conceptus. Gitlin D, et al. **Am J Obstet Gynecol 113:632-45, 1 Jul 72**

Disappearnace of human growth hormone 125 I in the anephric non-uraemic and uraemic rat. Rahkin R, et al. **Horm Metab Res 4:467-9, Nov 72**

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol 22:491-503, Oct 72**

Tissue distribution of radioiodinated human growth hormone in the mouse. Mizejewski GJ. **Proc Soc Exp Biol Med 142:589-94, Feb 73**

Experimental models of degenerative joint disease. Moskowitz RW. **Semin Arthritis Rheum 2:95-116, Summer 72 (66 ref.)**

[Glyceridemia in human clinical medicine and epidemiology. 3. Glyceridemia in various pathological conditions] Vastesaeger M, et al. **Brux Med 52:779-89 contd, Nov 72 (Fre)**

[Human somatotropic adenomas in organotypic culture, ultrastructure and secretion studied with tritiated leucine] Peillon F, et al. **C R Acad Sci [D] (Paris) 275:2251-4, 13 Nov 72 (Fre)**

PHARMACODYNAMICS

Studies of the influence of estradiol and growth hormone on the hypophysectomized immature rat epiphyseal cartilage growth plate. Strickland AL, et al. **Am J Obstet Gynecol 115:471-7, 15 Feb 73**

Effect of growth hormone on lymphocyte transformation in cell culture. Astaldi A Jr, et al. **Blut 26:74-81, Jan 73**

Studies on the effects of growth hormone and thyroxine on proinsulin synthesis and insulin formation in the isolated islets of Langerhans of the rat. Sun AM, et al. **Can J Physiol Pharmacol 50:1147-51, Dec 72**

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al. **Diabetes 22:25-9, Jan 73**

Stimulation of lactic acid production in vitro from prepubertal rat ovaries by gonadotropins and their subunits. Farmer SW, et al. **Endocrinology 92:1022-7, Apr 73**

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. **Endocrinology 92:1089-95, Apr 73**

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W. **Gen Comp Endocrinol 19:392-6, Dec 72**

Maternal protein deprivation during pregnancy or lactation in rats and the efficiency of food and nitrogen utilization of the progeny. Barnes RH, et al. **J Nutr 103:273-84, Feb 73**

Growth hormone and lymphocyte transformation. Vanderscbueren-Lodeweyckx, et al. **Lancet 1:441, 24 Feb 73**

[Messenger role of 3'5' adenosine monophosphoric acid (cyclic AMP) in the action of somatotropic hormone on the uptake of 14C glucose by the diaphragm of hypophysectomized rats] Buneaux JJ, et al. **J Physiol (Paris) 65:Suppl:206A-207, Oct 72 (Fre)**

PHYSIOLOGY

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al. **Diabetes 22:25-9, Jan 73**

Lymphocytes, hormones and ageing. Fahris N, et al. **Nature (Lond) 240:557-9, 29 Dec 72**

[Messenger role of 3'5' adenosine monophosphoric acid (cyclic AMP) in the action of somatotropic hormone on the uptake of 14C glucose by the diaphragm of hypophysectomized rats] Buneaux JJ, et al. **J Physiol (Paris) 65:Suppl:206A-207, Oct 72 (Fre)**

[Review of recent reports on the pathology of articular cartilage. 3. Repair. Influence of pressure. Role of hormones. Experimental study. Aging] Peyron JG. **Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Abstr.) (Fre)**

SECRETION

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)**

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. **Aerosp Med 44:190-3, Feb 73**

Abnormalities of insulin and growth hormone secreton in children with coeliac disease. Day G, et al. **Arch Dis Child 48:41-6, Jan 73**

Glucagon and growth hormone. Stimmler L. **Br Med J 1:489, 24 Feb 73**

Glucagon and growth hormone. **Br Med J 1:188-9, 27 Jan 73**

The effect of an intravenous histidine load on the plasma level of other amino acids. Hamblin TJ, et al. **Clin Chim Acta 42:37-41, Nov 72**

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al. **Diabetes 22:25-9, Jan 73**

Central -adrenergic regulation of growth hormone and insulin. Toivola PT, et al. **Hormones 3:192-213, 1972**

Studies on growth hormone release and cortisol with intravenous glucose loading. Devlin JG, et al. **Ir J Med Sci 141:69-78, Apr-Jun 72**

Synthesis and secretion of growth hormone in the rat anterior pituitary. II. Properties of the isolated growth hormone storage granules. Howell SL, et al. **J Cell Sci 12:23-35, Jan 73**

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol 22:491-503, Oct 72**

Potassium depletion in hepatic cirrhosis. A reversible cause of impaired growth-hormone and insulin response to stimulation. Podolsky S, et al. **N Engl J Med 288:644-8, 29 Mar 73**

Effect of levodopa (L-dopa) on serum growth hormone in children with short stature. Chakmakjian ZH, et al. **Pediatr Res 7:71-4, Feb 73**

Studies on growth hormone secretion. IV. In vivo effects of prostaglandin E1. Hertelendy F, et al. **Prostaglandins 2:79-91, Aug 72**

The advantages of combined stimulation by arginine and insulin in the study of the secretion of growth hormone. Ruitton A, et al. **Rev Eur Etud Clin Biol 17:846-54, Nov 72**

Serial changes in glucose utilization and insulin and growth hormone secretion in acute cerebrovascular disease. Huff TA, et al. **Stroke 3:543-52, Sep-Oct 72**

[Immunochemical determination of the growth hormone] Engelberth O, et al. **Vnitr Lek 19:24-31, Jan 73 (Eng. Abstr.) (Cze)**

THERAPEUTIC USE

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al. **Arch Dis Child 48:127-32, Feb 73**

Pancreatic compartmentalization of insulin. Evidence for pituitary control. Merimee TJ, et al. **Diabetes 22:25-9, Jan 73**

Metabolic response to growth hormone administration, with particular reference to the occurrence of hypercalciuria. Bryson MF, et al. **Pediatr Res 6:743-51, Oct 72**

[Effect of growth hormone on the metabolism of bones and the healing of fractures] Mühlbach R, et al. **Acta Chir Acad Sci Hung 13:51-63, 1972 (Ger)**

[Growth disorders in childhood] Bierich JR. **Fortschr Med 90:961-6, 28 Sep 72 (Ger)**

[Studies of growth dystrophies] Florea I, et al. **Stud Cercet Endocrinol 23:411-6, 1972 (Rum)**

THYROTROPIN

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diehel ND, et al. **Endocrinology 92:1065-78, Apr 73**

Molecular weight relationships among the subunits of human glycoprotein hormones. Reichert LE Jr, et al. **Endocrinology 92:1034-42, Apr 73**

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Relkin R, et al. **Neuroendocrinology 11:240-7, 1973**

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

[Thyroid stimulating hormone (TSH)] Yamamoto T, et

al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

ADMINISTRATION & DOSAGE

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72

A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. Gospodarowicz D.
J Biol Chem 248:1314-7, 25 Feh 73

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the TSH stimulation test. Höschl R, et al.
Nucl Med (Stuttg) 11:324-32, 30 Dec 72

[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al.
Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)

ADVERSE EFFECTS

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

ANALYSIS

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR.
Gen Comp Endocrinol 20:41-52, Feh 73

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72

Reversible binding of labelled and non-labelled thyrotrophin by intact thyroid tissue in vitro. Manley SW, et al. J Endocrinol 55:555-63, Dec 72

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972

[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al.
C R Soc Biol (Paris) 166:869-74, 1972 (Fre)

ANTAGONISTS & INHIBITORS

Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid stimulators. Melander A, et al.
Endocrinology 92:1269-73, Apr 73

Inhibition of thyrotropin releasing hormone (TRH) stimulated thyrotropin (TSH) secretion in man by a single oral dose of thyroid hormone. Wilher J, et al.
Horm Metab Res 4:508, Nov 72

BIOSYNTHESIS

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72

Growth hormonal activity of thyrotropic pituitary tumors. Furth J, et al.
Proc Soc Exp Biol Med 142:511-5, Feb 73

BLOOD

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972

Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al.
Am J Dis Child 125:293-5, Feh 73

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. Am J Med Sci 264:495-8, Dec 72

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72

Effect of L-dopa on anterior pituitary hormone release in man. Saito S, et al. Endocrinol Jap 19:435-42, Oct 72

Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow. Kelly PA, et al.
Endocrinology 92:1289-93, Apr 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al.
Horm Metab Res 4:488-92, Nov 72

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72

Thyroid responses to simulated altitude. Kotchen TA, et al. J Appl Physiol 34:165-8, Feb 73

Effect of thyrotropin-releasing hormone on human pituitary thyrotropin, prolactin, placental lactogen, and chorionic thyrotropin. Hershman JM, et al.
J Clin Endocrinol Metab 36:497-501, Mar 73

Gynecomastia, prolactin, and other peptide hormones in patients undergoing chronic hemodialysis. Nagel TC, et al. J Clin Endocrinol Metab 36:428-32, Mar 73

TSH response to synthetic thyrotropin-releasing hormone in human protein-calorie malnutrition. Pimstone B, et al.
J Clin Endocrinol Metab 36:779-83, Apr 73

Control of thyroid hormone secretion in normal subjects receiving iodides. Vagenakis AG, et al.
J Clin Invest 52:528-32, Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. J Pediatr 82:1-9, Jan 73 (62 ref.)

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73

Triiodothyronine in cord serum. Liehlich JM, et al.
J Pediatr 82:290-2, Feh 73

Thyroxine and red cell 2,3-diphosphoglycerate in the newborn period. Riegel K, et al.
Klin Wochenschr 51:138-9, 1 Feb 73

Serum-thyrotrophin and hypercholesterolaemia. Hedstrand H, et al. Lancet 1:490, 3 Mar 73

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al.
Neuroendocrinology 11:240-7, 1973

Thyroid function assessment. Birnbaum MD.
Obstet Gynecol 41:315-7, Feb 73

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feh 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al.
Proc Soc Exp Biol Med 142:421-3, Feb 73

Growth hormonal activity of thyrotropic pituitary tumors. Furth J, et al.
Proc Soc Exp Biol Med 142:511-5, Feb 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

Radionuclide evaluation of thyroid disease in children. Greig WR. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Effect of oral administration of L-Dopa on plasma TSH, ACTH and GH levels in normal subjects] Simonin R, et al.
Ann Endocrinol (Paris) 33:294-6, May-Jun 72 (Eng. Abstr.) (Fre)

[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al.
Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al.
Klin Wochenschr 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)

[Stimulation of TSH secretion by TRH in patients with

nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)

[Gonadotropin releasing effect of synthetic LH releasing hormone] Wagner H, et al.
Med Welt 23:1814-6, 25 Nov 72 (Ger)

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

DIAGNOSTIC USE

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. Am J Med Sci 264:495-8, Dec 72

[Autonomous thyroid adenoma in an endemic goitre region] Pohl G, et al.
Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) (Ger)

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 (Pol)

ISOLATION & PURIFICATION

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72

METABOLISM

Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. addministration of thyrotropin releasing hormone (TRH). Wiegelmann W, et al.
Horm Metab Res 4:482-4, Nov 72

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al.
Hormones 3:250-6, 1972

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73

Reversible binding of labelled and non-labelled thyrotrophin by intact thyroid tissue in vitro. Manley SW, et al. J Endocrinol 55:555-63, Dec 72

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Action of thyrotrophin (TSH) on thyroid protein synthesis in vivo and in vitro. Wägar G, et al.
Acta Endocrinol (Kbh) 72:453-63, Mar 73

Inhibitors of the pulmonary angiotensin I-converting enzyme. Sander GE, et al.
Biochim Biophys Acta 289:392-400, 7 Dec 72

Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Paviovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W.
Gen Comp Endocrinol 19:392-6, Dec 72

A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. Gospodarowicz D.
J Biol Chem 248:1314-7, 25 Feb 73

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72

Aspirin and indomethacin abolish thyrotropin-induced increase in thyroid cell prostaglandins. Burke G.
Prostaglandins 2:413-5, Nov 72

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al.
C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al.
Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)

[Microanalysis for total serum thyroxine concentration and its application to the measurement of thyroxine in mouse serum] Yoshimura S, et al.
Folia Endocrinol Jap 48:408-11, 20 Sep 72 (Eng. Abstr.) (Jap)

[Dynamics of the distribution of total and protein-bound I 131 in the thyrocyte-colloid system] Zaĭchik VE, et al.
Probl Endokrinol (Mosk) 18:90-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

[The effect of thyreotropic hormone on the catecholamine content of various parts of the brain and adrenal glands] Nagnibida NM.
Fiziol Zh 19:106-9, 1973 (Ukr)

PHYSIOLOGY

Action of thyrotrophin (TSH) on thyroid protein synthesis in vivo and in vitro. Wägar G, et al.
Acta Endocrinol (Kbh) 72:453-63, Mar 73

The effect of prolactin, thyroxine, and thyrotropin on the sloughing cycle of the lizard Gekko gecko L. Chiu KW, et al. Gen Comp Endocrinol 19:592-3, Dec 72

Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF.
Gen Comp Endocrinol 20:137-43, Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Thyrotropin-like activity of thyroid RNA in vitro. Cherniy CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73

Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al.
C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

SECRETION

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Wallnder G.
Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. Neuroendocrinology 10:207-17, 1972

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972

The hypothalamus in pituitary-thyroid regulation. Relchlin S, et al. Recent Prog Horm Res 28:229-86, 1972

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al.
Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

The treatment of canine acanthosis nigricans. Bush BM.
J Small Anim Pract 13:59-64, Feb 72

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) **(Jap)**

URINE

Hyperthyroidism induced by trophohiastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

VASOPRESSIN

On the physiological role of 2 -macroglohulin. Rinderknecht H, et al.
Biochim Biophys Acta 295:233-44, 25 Jan 73
Hormonal interactions at the molecular level. A study of oxytocin and vasopressin binding to bovine neurophysins. Camier M, et al.
Eur J Biochem 32:207-14, 15 Jan 73
Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. **Experientia** 28:1493-5, 15 Dec 72
Biologically active (14 C) vasopressin. A new and simplified synthesis. Neer EJ.
J Biol Chem 248:1897-900, 25 Mar 73
The tentative identification of three neurophysins from the rat posterior pituitary gland. Watkins WB.
J Endocrinol 55:577-89, Dec 72
Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol** 7:94-145, 1972 (409 ref.)
[Vasopressin] Murase T, et al.
Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) **(Jap)**

ADMINISTRATION & DOSAGE

Biologically active (14 C) vasopressin. A new and simplified synthesis. Neer EJ.
J Biol Chem 248:1897-900, 25 Mar 73
A study on the mechanism of vasopressin escape: effects of chronic vasopressin and overhydration on renal tissue osmolality and electrolytes in dogs. Chan WY. **J Pharmacol Exp Ther** 184:244-51, Jan 73
POR-8 as a vasoconstrictor for cutaneous surgery. Shiell RC. **Med J Aust** 1:144, 20 Jan 73
Lypressin (Diapid) and other drugs for diabetes insipidus. **Med Lett Drugs Ther** 14:98-9, 22 Dec 72
Selective intra-arterial vasopressin in the management of stress ulcers in childhood. Lerner AG, et al.
Pediatrics 51:126-8, Jan 73
[Iatrogenic complications in the management of diabetes insipidus using posterior pituitary extract in powder form] Windischbauer G.
Wien Klin Wochenschr 85:103-7, 16 Feb 73 **(Ger)**
[Vasopressin] Murase T, et al.
Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) **(Jap)**

ADVERSE EFFECTS

Lypressin (Diapid) and other drugs for diabetes insipidus. **Med Lett Drugs Ther** 14:98-9, 22 Dec 72
[Vasopressin] Murase T, et al.
Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) **(Jap)**

ANALYSIS

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al.
Nature (Lond) 240:554-6, 29 Dec 72

ANTAGONISTS & INHIBITORS

Dexamethasone or propranolol blockade of induced increase in plasma progesterone in early human pregnancy. Fylling P.
Acta Endocrinol (Kbh) 72:569-72, Mar 73
The requirement of cortisol for the inhibitory effect of norepinephrine on the antidiuretic action of vasopressin. Levi J, et al.
Proc Soc Exp Biol Med 142:687-90, Feb 73
Pulmonary vascular response to endotoxin in intact dogs. Pennington DG, et al. **Surgery** 73:246-55, Feb 73

BIOSYNTHESIS

The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al.
Arch Int Physiol Biochim 80:679-84, Oct 72
Increased antidiuretic hormone production after trauma to the craniofacial complex. Becker RM, et al.
J Trauma 13:112-5, Feb 73

BLOOD

Vasopressin, renin, and cardiovascular responses to continuous slow hemorrhage. Claybaugh JR, et al.
Am J Physiol 224:519-23, Mar 73
The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al.
Arch Int Physiol Biochim 80:679-84, Oct 72
Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diabetes insipidus. Errington ML, et al.
J Physiol (Lond) 227:395-418, Dec 72
Hemodynamic effects of a moderate increase of the plasma vasopressin level in conscious dogs. Szczepańska-Sadowska E.
Pfluegers Arch 338:313-22, 1973
[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al.
J Physiol (Paris) 65:Suppl 1:144A, 1972 **(Fre)**
[Study of the secretion of posthypophyseal antidiuretic hormone in the alloxanic syndrome] Levet E, et al.
Therapie 27:955-64, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. **Experientia** 28:1493-5, 15 Dec 72

DIAGNOSTIC USE

The level and circadian rhythm of plasma free 11-hydroxycorticoids in patients with localized intracranial processes, especially of the sellar region. Osterman PO, et al. **Acta Neurol Scand** 49:115-32, 1973
Symptomatic normovolemic essential hypernatremia. A clinical and physiologic study. Alford FP, et al.
Am J Med 54:359-70, Mar 73
Renal manifestations of leprosy: impaired acidification and concentration of urine in patients with leprosy. Gutman RA, et al. **Am J Trop Med Hyg** 22:223-8, Mar 73
Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73
[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al.
Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) **(Ger)**
[Vasopressin] Murase T, et al.
Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) **(Jap)**

ISOLATION & PURIFICATION

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. **Experientia** 28:1493-5, 15 Dec 72
The urophysial hydrosmotic factor of fishes. II. Chromatographic and pharmacologic indications of similarity to arginine vasotocin. Lacanilao F.
Gen Comp Endocrinol 19:413-20, Dec 72
Isolation of (Arg 8)vasopressin from the neurophysin complex hy free-flow continuous electrophoresis. Prusík Z, et al.
Hoppe Seylers Z Physiol Chem 353:1837-40, Dec 72
Biologically active (14 C) vasopressin. A new and simplified synthesis. Neer EJ.
J Biol Chem 248:1897-900, 25 Mar 73
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. **J Physiol (Lond)** 227:553-64, Dec 72

METABOLISM

Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. **J Biol Chem** 247:6167-75, 10 Oct 72
A study on the mechanism of vasopressin escape: effects of chronic vasopressin and overhydration on renal tissue osmolality and electrolytes in dogs. Chan WY. **J Pharmacol Exp Ther** 184:244-51, Jan 73
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. **J Physiol (Lond)** 227:553-64, Dec 72

Plasma osmolality in subjects acclimatised at high altitude. Zeballos J, et al. **Lancet** 1:230-1, 3 Feb 73

Degradation of neurohypophyseal hormones by brain extracts and purified brain enzymes. Marks N, et al. **Proc Soc Exp Biol Med** 142:455-60, Feb 73

[Adenyl cyclase from renal medulla] Klenerová V, et al. **Sb Lek** 75:54-9, Feb 73 (Eng. Abstr.) **(Cze)**

[Effect of hydric diet on colic motoricity: in vitro study in rats] Le Goff P, et al. **C R Soc Biol (Paris)** 166:919-22, 1972 **(Fre)**

[Evaluation of vasopressin and enzymologic changes in the hypothalamo-neurohypophyseal system of rats after adrenalectomy] Burlet A, et al. **J Physiol (Paris)** 65:Suppl:207A-208, Oct 72 **(Fre)**

[Study of the secretion of posthypophyseal antidiuretic hormone in the alloxanic syndrome] Levet E, et al. **Therapie** 27:955-64, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Dexamethasone or propranolol blockade of induced increase in plasma progesterone in early human pregnancy. Fylling P. **Acta Endocrinol (Kbh)** 72:569-72, Mar 73

Nature of urine concentrating mechanism in the macaque monkey. Tisher CC, et al. **Am J Physiol** 223:1128-37, Nov 72

Acceleration of catecholamine biosynthesis in sympathetically innervated tissues by angiotensin-II-amide.. Boadle-Biber MC, et al. **Br J Pharmacol** 46:289-99, Oct 72

Effects of vasopressin and isoprenaline infusions on the distribution of blod flow in the intestine; criteria for the validity of microsphere studies. Greenway CV, et al. **Br J Pharmacol** 46:117-88, Oct 72

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Staub JJ, et al. **Br Med J** 1:267-9, 3 Feb 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al. **Eur J Clin Invest** 3:49-56, Jan 73

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. **Experientia** 28:1493-5, 15 Dec 72

Effect of vasopressin on hepatocytic and ductal bile formation in the dog. Preisig R, et al. **Experientia** 28:1436-7, 15 Dec 72

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W. **Gen Comp Endocrinol** 19:392-6, Dec 72

Isolation of (Arg 8)vasopressin from the neurophysin complex by free-flow continuous electrophoresis. Prusík Z, et al. **Hoppe Seylers Z Physiol Chem** 353:1837-40, Dec 72

Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. **J Biol Chem** 247:6167-75, 10 Oct 72

Biologically active (14 C) vasopressin. A new and simplified synthesis. Neer EJ. **J Biol Chem** 248:1897-900, 25 Mar 73

Mechanism of effect of alpha adrenergic stimulation with norepinephrine on renal water excretion. Schrier RW, et al. **J Clin Invest** 52:502-11, Feb 73

A study on the mechanism of vasopressin escape: effects of chronic vasopressin and overhydration on renal tissue osmolality and electrolytes in dogs. Chan WY. **J Pharmacol Exp Ther** 184:244-51, Jan 73

Functional relationship of longitudinal and circular layers of the muscularis externa of the rabbit large intestine. McKirdy HC. **J Physiol (Lond)** 227:839-53, Dec 72

Effect of aldosterone on the sodium content and energy metabolism of epithelial cells of the toad urinary bladder. Handler JS, et al. **J Steroid Biochem** 3:137-41, Feb 72

Diagnosis, characterization and management of post-obstructive diuresis. Vaughan ED Jr, et al. **J Urol** 109:286-92, Feb 73

ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al. **Life Sci [I]** 11:65-72, 15 Jan 72

Hemodynamic effects of a moderate increase of the plasma vasopressin level in conscious dogs. Szczepańska-Sadowska E. **Pfluegers Arch** 338:313-22, 1973

Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus. Dousa TP, et al. **Proc Soc Exp Biol Med** 142:720-2, Feb 73

Differentiation of a myocardial depressant factor present in shock plasma from known plasma peptides and salts. Lefer AM, et al. **Proc Soc Exp Biol Med** 142:429-33, Feb 73

The requirement of cortisol for the inhibitory effect of norepinephrine on the antidiuretic action of vasopressin. Levi J, et al. **Proc Soc Exp Biol Med** 142:687-90, Feb 73

Prostaglandin (PGA1), angiotensin and renal function. McClatchey WM, et al. **Prostaglandins** 2:213-7, Sep 72

A study of modifications induced by anti-diuretic hormone (ADH), in the epithelial polyanions of the renal medullary collecting tubules with special reference to cell coats. Morard JC, et al. **Rev Eur Etud Clin Biol** 17:765-75, Oct 72

Effects of noradrenaline and felypressin on cutaneous local blood flow after sympathetic denervation. A study on rats. Norberg KA, et al. **Scand J Plast Reconstr Surg** 6:106-9, 1972

Cold-induced diuresis. A study with special reference to electrolyte excretion, osmolal balance and hormonal changes. Lennquist S. **Scand J Urol Nephrol** 9:Suppl 9:1-142, 1972

[Effect of hydric diet on colic motoricity: in vitro study in rats] Le Goff P, et al. **C R Soc Biol (Paris)** 166:919-22, 1972 **(Fre)**

[Effect of propranolol and phentolamine on the hypoglycemic action of vasopressin in the dog] Baisset A, et al. **Therapie** 27:510-6, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Study of the secretion of posthypophyseal antidiuretic hormone in the alloxanic syndrome] Levet E, et al. **Therapie** 27:955-64, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Effect of different vasoactive drugs on subcortical irrigation in rabbits and dogs] Pourrias B, et al. **Therapie** 27:849-60, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[In-vitro stimulation of gluconeogenesis from pyruvate and 14CO2 fixation in kidney cortex of adrenalectomized rat using dexamethasone phosphate and vasopressin] Stumpf B, et al. **Hoppe Seylers Z Physiol Chem** 353:1571-2, Oct 72 **(Ger)**

[Antidiuretic effect of carbamazepin in diabetes insipidus] Uhlich E, et al. **Klin Wochenschr** 50:1127-33, 15 Dec 72 (Eng. Abstr.) **(Ger)**

[Effect of vasopressin on the non-pregnant human uterus in situ] Fröhlich H. **Wien Klin Wochenschr** 84:828-31, 22 Dec 72 (Eng. Abstr.) **(Ger)**

[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al. **J Pharm Soc Jap** 92:871-3, Jul 72 (Eng. Abstr.) **(Jap)**

[Kidney and cyclic AMP] Osawa M, et al. **Jap J Clin Pathol** 20:788-97, Nov 72 (55 ref.) **(Jap)**

[Effect of the antidiuretic hormone (ADH) on water transfer values in human fetal membranes in vitro] Feiks M, et al. **Ginekol Pol** 43:1393-400, 1972 (Eng. Abstr.) **(Pol)**

[Biopotentials of hearing organ following administration of some drugs on the fenestra rotunda] Sekula J, et al. **Otolaryngol Pol** 26:643-52, 1972 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Aspirin potentiates the hydrosmotic effect of antidiuretic hormone in toad urinary bladder. Parisi M, et al. **Biochim Biophys Acta** 279:209-12, 18 Aug 72

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. **Hormones** 3:42-64, 1972

Mechanism of effect of prostaglandin E 1 on renal water excretion. Berl T, et al. **J Clin Invest** 52:463-71, Feb 73

Clofibrate-induced antidiuresis. Moses AM, et al. **J Clin Invest** 52:535-42, Mar 73

Mechanism of effect of alpha adrenergic stimulation with norepinephrine on renal water excretion. Schrier RW, et al. **J Clin Invest** 52:502-11, Feb 73

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R. **Ginekol Pol** 44:1-7, Jan 73 **(Pol)**

SECRETION

The release in vitro of vasopressin unaccompanied by the axoplasmic enzymes: lactic acid dehydrogenase and adenylate kinase. Edwards BA, et al. **Acta Endocrinol (Kbh)** 72:417-24, Mar 73

Chlorpropamide in diabetes insipidus. Aiola JF, et al. Am J Med Sci 264:225-32, Sep 72

The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al. Arch Int Physiol Biochim 80:679-84, Oct 72

Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. Brain 95:249-64, 1972

Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diabetes insipidus. Errington ML, et al. J Physiol (Lond) 227:395-418, Dec 72

Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. J Physiol (Lond) 227:553-64, Dec 72

Daily changes in foetal urine and relationships with amniotic and allantoic fluid and maternal plasma during the last two months of pregnancy in conscious, unstressed ewes with chronically implanted catheters. Mellor DJ, et al. J Physiol (Lond) 227:503-25, Dec 72

Increased antidiuretic hormone production after trauma to the craniofacial complex. Becker RM, et al. J Trauma 13:112-5, Feb 73

Increased potassium intake and kaliopenic nephropathy in rats with genetic diabetes insipidus. Möhring J, et al. Life Sci [I] 11:679-83, 15 Jul 72

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al. Nature (Lond) 240:554-6, 29 Dec 72

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al. J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)

[Mechanism of renal compensation in diabetes mellitus. 3. Exploration of the mechanism of dilution and concentration] Blum M, et al. Sem Hop Paris 48:3549-55, 26 Dec 72 (Eng. Abstr.) (Fre)

[Mechanism of renal compensation in diabetes mellitus. IV. Some unusual aspects of blood sugar-glycosuria, diuresis-glycosuria relationships] Blum M, et al. Sem Hop Paris 48:3557-62, 26 Dec 72 (Eng. Abstr.) (Fre)

[Inappropriate hypersecretion of antidiuretic hormones (ISADH). Apropos of a case observed during late acute intermittent porphyria in an adult] Krulik M, et al. Sem Hop Paris 48:3149-54, 26 Nov 72 (Eng. Abstr.) (Fre)

[Study of the secretion of posthypophyseal antidiuretic hormone in the alloxanic syndrome] Levet E, et al. Therapie 27:955-64, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al. Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) (Ger)

[Treatment with chlorpropamide and clofibrate in diabetes insipidus] Pencea V, et al. Rev Med Chir Soc Med Nat Iasi 76:913-8, Oct-Dec 72 (Eng. Abstr.) (Rum)

[Parkhon's syndrome (clinical picture and pathogenesis)] Egart FM, et al. Probl Endokrinol (Mosk) 18:53-5, Nov-Dec 72 (Rus)

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG. Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

Postobstructive diuresis. Studies in a dialyzed patient with a solitary kidney. Falls WF Jr, et al. Am J Med 54:404-12, Mar 73

Hemodynamic and metaholic effects of vasopressin in acute hemorrhagic pancreatitis. Pissiotis CA, et al. Eur Surg Res 5:64-72, 1973

Clinical observations on the mechanism of the antidiuretic action of chlorpropamide in vasopressin-sensitive diabetes insipidus and in normal subjects. Hadden DR, et al. Hormones 3:77-96, 1972

Lypressin (Diapid) and other drugs for diabetes insipidus. Med Lett Drugs Ther 14:98-9, 22 Dec 72

Abdominal surgery. I. Welch CE. N Engl J Med 288:609-16, 22 Mar 73 (106 ref.)

Selective intra-arterial vasopressin in the management of stress ulcers in childhood. Lerner AG, et al. Pediatrics 51:126-8, Jan 73

[Adiposogenital dystrophy] Bierich JR. Dtsch Med Wochenschr 98:31-2, 5 Jan 73 (Ger)

[Therapy of diabetes insipidus with a synthetic arginine-vasopressin analog] Oravec D, et al. Z Gesamte Inn Med 27:993-4, 15 Nov 72 (Eng. Abstr.) (Ger)

[Vasopressin] Murase T, et al. Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) (Jap)

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R. Ginekol Pol 44:1-7, Jan 73 (Pol)

[Liver cirrhosis. 3. Advances in treatment] Koziolowa H. Pol Arch Med Wewn 50:47-50, Jan 73 (Pol)

URINE

Nocturnal increase in human urinary vasopressin excretion. Puri VN, et al. Indian J Exp Biol 10:179-81, May 72

Clofibrate-induced antidiuresis. Moses AM, et al. J Clin Invest 52:535-42, Mar 73

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al. J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)

VASOTOCIN

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. Experientia 28:1493-5, 15 Dec 72

ISOLATION & PURIFICATION

The urophysial hydrosmotic factor of fishes. II. Chromatographic and pharmacologic indications of similarity to arginine vasotocin. Lacanilao F. Gen Comp Endocrinol 19:413-20, Dec 72

PHARMACODYNAMICS

The urophysial hydrosmotic factor of fishes. II. Chromatographic and pharmacologic indications of similarity to arginine vasotocin. Lacanilao F. Gen Comp Endocrinol 19:413-20, Dec 72

IV. Related Topics

CYCLOFENIL ✂

ADMINISTRATION & DOSAGE

[Cyclofenil in gynecologic practice] Soutoul JH, et al. Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

THERAPEUTIC USE

[Cyclofenil in gynecologic practice] Soutoul JH, et al. Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

HYPOPHYSECTOMY

Calcium metabolism in pancreatic disease. D'Souza A, et al. Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)

Studies of the influence of estradiol and growth bormone on the hypophysectomized immature rat epiphyseal cartilage growth plate. Strickland AL, et al. Am J Obstet Gynecol 115:471-7, 15 Feb 73

Effect of hypophysectomy on lipogenesis and glycogenesis in cockerels. Kompiang IP, et al. Am J Physiol 224:362-6, Feb 73

The human hypothalamus and pituitary stalk after hypophysectomy or pituitary stalk section. Daniel PM, et al. Brain 95:813-24, 1972

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. Hormones 3:42-64, 1972

The effect of dihydroergotamine on lipolysis stimulated by human chorionic somato-mammotropin in hypophysectomized dogs. Sirek AM, et al. Hormones 3:221-7, 1972

Melanocyte-stimulating hormone and parkinsonism. Sbuster S, et al. Lancet 1:463-4, 3 Mar 73

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al. Physiol Rev 53:228-325, Jan 73 (932 ref.)

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

Adrenal zona glomerulosa after hypophysectomy in the Mongolian gerbil. Nickerson PA. Tissue Cell 4:677-86, 1972

[Acromegaly] Lindholm J, et al. Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al. Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Changes in N-acetylneuraminic acid content of the eel intestine after hypophysectomy and treatment with prolactin] Lemoine AM, et al. C R Soc Biol (Paris) 166:507-12, 1972 (Fre)

[Effect of hypophysectomy on elimination of cholesterol and bile acids in rats with permanent common bile duct fistula] Cuchet P, et al. J Physiol (Paris) 65:Suppl:221A-222, Oct 72 (Fre)

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)

[Transphenoidal hypophysectomy in the treatment of Cushing's disease] Marriq P, et al. Nouv Presse Med 1:3203, 30 Dec 72 (Fre)

[Diagnosis of diabetes insipidus with special reference to hypophysectomized patients] Müller OA, et al. Acta Neurochir (Wien) 26:179-90, 1972 (Eng. Abstr.) (Ger)

[Functional neurosurgery] Siegfried J. Schweiz Arch Neurol Neurochir Psychiatr 111:435-42, 1972 (Ger)

ADVERSE EFFECTS

[Prolactin and its significance in human and animal lactation] Berle P. Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)

VETERINARY

A modified supraorbital approach to hypophysectomy in the pig. Kraeling RR. Am J Vet Res 34:283-4, Feb 73

LACTATION

The biochemical and ultrastructural localisation of phosphoprotein-containing particles in lactating mammary glands of rats. Tan WC, et al. Acta Endocrinol (Kbh) 72:25-32, Jan 73

The effects of estrogen and progesterone on the blood levels of glucose, non-esterified fatty acids and cholesterol in ovariectomized sheep. Luthman J, et al. Acta Vet Scand 13:242-50, 1972

Radiographic method for anatomic study of the teat canal: changes within the first lactation. McDonald JS. Am J Vet Res 34:169-71, Feb 73

Carcinoma of the breast associated with pregnancy and lactation. Applewhite RR, et al. Am Surg 39:101-4, Feb 73

Studies of mitochondrial development prior to lactogenesis in the mouse mammary gland. Jones DH, et al. Arch Biochem Biophys 153:130-8, Nov 72

The lactose and neuraminlactose content of rat milk and mammary tissue. Kuhn NJ. Biochem J 130:177-80, Nov 72

Polyamine biogenesis in the rat mammary gland during pregnancy and lactation. Russell DH, et al. Biochem J 130:71-6, Nov 72

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. Biol Reprod 8:87-99, Feb 73

Perinatal mortality, growth and survival to weaning in offspring of rats reared on diets moderately deficient in protein. Turner MR. Br J Nutr 29:139-47, Jan 73

Glycogen in leukocytes from bovine blood and milk. Naidu TG, et al. Can J Comp Med 37:47-55, Jan 73

Dehydrogenases and nucleic acids in rat mammary gland during involution initiated at various stages of lactation. Carlsson EI, et al. Comp Biochem Physiol [B] 44:93-108, 15 Jan 73

The neural input of the milk ejection reflex in the hypothalamus. Voloschin LM, et al. Endocrinology 92:973-83, Apr 73

The Pasteur effect and the relations between respiration and fermentation. Krebs HA. Essays Biochem 8:1-34, 1972 (148 ref.)

Nuclear bodies in bovine mammary gland in different physiological states. Reid IM. Exp Cell Res 78:25-30, 30 Mar 73

Carbonic anhydrase activity in the mouse uterus during pregnancy, pseudopregnancy, and lactation. Hetherington CM. Fertil Steril 24:104-6, Feb 73

Compensatory response of the intestine to lactation: the effect of irradiation. Sigdestad CP, et al. Growth 36:165-71, Sep 72

Demographic effects of variations in post-partum amenorrhea and fetal wastage on fertility. Venkatacharya K. Indian J Public Health 16:39-46, Apr 72

The role of maternal effects in animal breeding. VII. Maternal effects in sheep. Bradford GE. J Anim Sci 35:1324-34, Dec 72

Postpartum changes in nitrogenous constituents of sow milk. Brent BE, et al. J Anim Sci 36:73-8, Jan 73

Implications of the effects of maternal diets in various species. Chow BF, et al. J Anim Sci 36:167-73, Jan 73 (12 ref.)

The role of maternal effects in animal breeding. VI. Maternal effects in beef cattle. Koch RM. J Anim Sci 35:1316-23, Dec 72 (33 ref.)

The role of maternal effects in animal breeding. IV. Maternal effects in laboratory species. Legates JE. J Anim Sci 35:1294-302, Dec 72 (26 ref.)

The role of maternal effects in animal breeding. V. Maternal effects in swine. Robison OW. J Anim Sci 35:1303-15, Dec 72 (33 ref.)

Effects of injections of a norethandrolone suspension

✂CYCLOFENIL continued on page 41.

of synchronization of estrus and conception in beef cattle. Smith LE Jr, et al. J Anim Sci 36:67-71, Jan 73

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. J Anim Sci 36:391-6, Feb 73

Cell contacts in the mouse mammary gland. I. Normal gland in postnatal development and the secretory cycle. Pitelka DR, et al. J Cell Biol 56:797-818, Mar 73

Sites of formation of the serum proteins transferrin and hemopexin. Thorhecke GJ, et al. J Clin Invest 52:725-31, Mar 73

Corpora amylacea of the bovine mammary gland. Histochemical and electron microscopic evidence for their amyloid nature. Reid IM. J Comp Pathol 82:409-13, Oct 72

Alpha-lactalbumin and serum albumin in human milk. Nagasawa T, et al. J Dairy Sci 56:177-80, Feb 73

Performance and milk zinc from low-zinc intake in Holstein cows. Neathery MW, et al. J Dairy Sci 56:212-7, Feb 73

Blood fatty acids and glycerol response to diet and norepinephrine. Sidhu KS, et al. J Dairy Sci 56:258-60, Feb 73

Relationships among mammary nucleic acids, milk yield, serum prolactin, and growth hormone in heifers from 3 months of age to lactation. Tucker HA, et al. J Dairy Sci 56:184-8, Feb 73

Culture of human mammary epithelial cells: keeping abreast with a new method. Buehring GC. J Natl Cancer Inst 49:1433-4, Nov 72

Brain and spinal cord tumors in rats treated with pyrrolizidine alkaloids. Schoental R, et al. J Natl Cancer Inst 49:665-71, Sep 72

Maternal protein deprivation during pregnancy or lactation in rats and the efficiency of food and nitrogen utilization of the progeny. Barnes RH, et al. J Nutr 103:273-84, Feb 73

Effect of dietary lactose on intestinal lactase activity in young rats. Leichter J. J Nutr 103:392-6, Mar 73

Appetite regulation in the rat under various physiological conditions: the role of dietary protein and calories. Menaker L, et al. J Nutr 103:347-52, Mar 73

Oxygen consumption by brain mitochondria of rats malnourished in utero. Muzzo S, et al. J Nutr 103:314-7, Feb 73

Gastrointestinal growth in the fetus and suckling rat pups: effects of maternal dietary protein. Younoszai MK, et al. J Nutr 103:454-61, Mar 73

Pancreatic secretion in lactating rats. Barrowman JA, et al. J Physiol (Lond) 229:41P-42P, Feb 73

The effect of interval between milkings on prolactin release and milk production in the cow. Fell LR, et al. J Reprod Fertil 32:317-8, Feb 73

Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation. Hoffman DC, et al. J Reprod Fertil 32:267-75, Feb 73

Observations on the pattern of prolactin release during suckling in the ewe. McNeilly JR. J Reprod Fertil 31:487-8, Dec 72

Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes. Pelletier J, et al. J Reprod Fertil 31:496, Dec 72

Intra-uterine administration of prostaglandin F 2 during the second trimester of pregnancy; clinical and hormonal results. Shearman R, et al. J Reprod Fertil 32:321-2, Feb 73

Spontaneous development of quiescent blastocyst in a marsupial, Setonix brachyurus, carrying a sucking pouch young. Yadav M. Lab Anim 7:89-92, Jan 73

DNA (cell number) and protein in rat brain. Second generation (F 2) alteration by maternal (F 0) dietary protein restriction. Zamenhof S, et al. Nutr Metab 14:262-70, 1972

Induction and suppression of lactation in animals. Cowie AT. Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)

Reflex pathways controlling lactation. Tindal JS. Proc R Soc Med 65:1085-6, Dec 72 (11 ref.)

Mammary transfer of 203 Hg from mothers to brains of nursing rats. Yang MG, et al. Proc Soc Exp Biol Med 142:723-6, Feb 73

Studies on prolactin in man. Frantz AG, et al. Recent Prog Horm Res 28:527-90, 1972

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. Recent Prog Horm Res 28:627-63, 1972

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. Recent Prog Horm Res 28:471-526, 1972

A comparison of the thyroxine levels in the plasma of healthy, starved and acetonaemic dairy cows. Heitzman RJ, et al. Res Vet Sci 13:591-3, Nov 72

The effects of malnutrition of the development of cognitive functions of the nervous system in childhood. Osuntokun BO. Trop Geogr Med 24:311-26, Dec 72 (132 ref.)

Factors involved in mastitis control: a comparative study between high and low incidence herds. Pearson JK, et al. Vet Rec 91:615-23, 16 Dec 72

Interactions between infant greater bushbabies (Galago crassicaudatus crassicaudatus) and adults other than their mothers under experimental conditions. Rosenson LM. Z Tierpsychol 31:240-69, Sep 72

[Aggression phenomenona related to the introduction of a virgin or lactating strange female into a group of female mice] Haug M. C R Acad Sci [D] (Paris) 275:2729-32, 6 Dec 72 (Fre)

[Trypan blue athrocytosis by rat endometrium. Morphological and dynamic data resulting from changes in the hormonal state] Sartor P. C R Soc Biol (Paris) 166:577-80, 1972 (Fre)

[The insensible loss of weight in dairy cows] Paquay R, et al. Z Tierphysiol 30:202-7, Nov 72 (Eng. Abstr.) (Fre)

[Contraceptive agents and growth of hair on the model of pregnancy from the animal experiment viewpoint] Bosse K. Arch Dermatol Forsch 244:507-10, 1972 (Ger)

[Prolactin and its significance in human and animal lactation] Berle P. Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)

[Breast feeding in a northern Swedish municipality] Bergfors PG. Lakartidningen 70:290-3, 24 Jan 73 (Eng. Abstr.) (Swe)

DRUG EFFECTS

Effect of different doses of ethanol on the milk-ejecting reflex in lactating women. Coho E. Am J Obstet Gynecol 115:817-21, 15 Mar 73

Interactions of insulin, corticosterone and prolactin in promoting milk-fat synthesis by mammary explants from pregnant rabbits. Forsyth IA, et al. Biochem J 129:929-35, Oct 72

A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al. Br J Clin Pract 26:567-8, Dec 72

Levodopa in Forbes-Albright syndrome. Flückiger E, et al. Can Med Assoc J 108:554, 3 Mar 73

Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow. Kelly PA, et al. Endocrinology 92:1289-93, Apr 73

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J. Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)

Inhibitory effect of continuous infusion of oxytocin on lactation in cows. Graf GC, et al. J Dairy Sci 56:181-3, Feb 73

Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al. J Reprod Med 9:448-52, Dec 72

Induction and suppression of lactation in animals. Cowie AT. Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)

Effects on lactation of progesterone injections administered before and after parturition in the rat. Herrenkohl LR, et al. Proc Soc Exp Biol Med 142:506-10, Feb 73

Safety evaluation of fish protein concentrate over five generations of rats. Newherne PM, et al. Toxicol Appl Pharmacol 24:133-41, Jan 73

[Effect of long-term administration of copper acetate and zinc acetate on ovarian function in rats] Marois M, et al. C R Soc Biol (Paris) 166:836-9, 1972 (Fre)

[Administration of some drugs to pregnant or breast feeding women] Okla J. Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)

[Lactation inhibition with chlormadinone and mestranol] Pilawski Z, et al. Wiad Lek 26:203-7, 1 Feb 73 (Pol)

SOMATOMEDIN

BLOOD

[Growth disorders in childhood] Bierich JR. Fortschr Med 90:961-6, 28 Sep 72 (Ger)

CYCLOFENIL continued.

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al. Fertil Steril 24:116-20, Feb 73.

1. Physical and Functional Aspects

THYROID GLAND

A comparison of technetium 99M and iodine 123 for thyroid imaging. Atkins HL, et al.
Am J Roentgenol Radium Ther Nucl Med 117:195-201, Jan 73

In vitro studies of 99m Tc-pertechnetate binding by human serum and tissues. Hays MT, et al.
J Nucl Med 14:149-58, Mar 73

Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al.
JAMA 223:761-3, 12 Feb 73

Unique sensory endings in rat muscle spindles. Uehara Y. **Z Zellforsch Mikrosk Anat** 136:511-20, 6 Feb 73

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 **(Ger)**

ABNORMALITIES

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

Median ectopic thyroid gland. Pulito AR, et al.
J Pediatr Surg 8:73-4, Feb 73

Thyroid hemiagenesis with goiter. Gollnger RC.
JAMA 224:128, 2 Apr 73

[Thyroid gland at the root of the tongue] Hara M.
Clin Endocrinol (Tokyo) 20:739-41, Sep 72 **(Jap)**

[Congenital unilateral aplasia of the thyroid lobe] Harada S, et al.
Clin Endocrinol (Tokyo) 20:743-6, Sep 72 **(Jap)**

[Anatomical dysgenesis of the thyroid gland. Considerations on 49 cases] Póvoa LC, et al.
Rev Assoc Med Bras 18:483-8, Dec 72 (Eng. Abstr.) **(Por)**

ANALYSIS

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al.
Acta Histochem (Jena) 43:1-7, 1972

X-ray spectrographic microanalysis of human tissues for iron and zinc. Mathies JC, et al.
Am J Clin Pathol 59:417-22, Mar 73

Characterization and properties of thyroid iodoproteins from severely iodine-deficient rats. Rossi G, et al. **Endocrinology** 92:1241-9, Apr 73

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al.
Endokrinologie 60:251-6, 1972

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al.
Endokrinologie 60:257-72, 1972

Turnover of phospholipid ontogenesis: P 32 incorporation into thyroid slices. Knopp J, et al.
Horm Metab Res 4:497-9, Nov 72

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. **Hormones** 3:228-34, 1972

Bidirectional thyroxine exchange in pregnant sheep. Robin NI, et al. **Hormones** 3:235-49, 1972

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archbold TJ, et al.
J Anim Sci 36:57-60, Jan 73

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al.
J Clin Endocrinol Metab 36:522-30, Mar 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. **J Endocrinol** 55:479-87, Dec 72

Identification of iodine in a supraclavicular lymph node following lymphography: a fluorescent scan artifact. Nijensohn E, et al. **J Nucl Med** 14:179-80, Mar 73

Determination of liothyronine and thyroxine in dried thyroid by GLC. Bilous R, et al.
J Pharm Sci 62:274-7, Feb 73

Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73

[Ultrastructural data on calcium localization in the thyroid gland of rats and dormice] Martoja M.
C R Acad Sci [D] (Paris) 275:2021-4, 30 Oct 72 **(Fre)**

[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Bertheiot A, et al.
C R Soc Biol (Paris) 166:869-74, 1972 **(Fre)**

[Automatic determination of stable iodine in thyroid tissue] Dinulescu E, et al.
Stud Cercet Endocrinol 24:131-4, 1973 **(Rum)**

[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. **Stud Cercet Endocrinol** 24:95-103, 1973 **(Rum)**

ANATOMY & HISTOLOGY

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al.
Am J Vet Res 34:181-3, Feb 73

Prenatal exposure to an extremely low frequency-low intensity rotating magnetic field and increases in thyroid and testicle weight in rats. Ossenkopp KP, et al. **Dev Psychobiol** 5:275-85, 1972

Changes in organ weights and fluid volumes during growth of the bovine fetus. Hubbert WT, et al.
Growth 36:217-33, Sep 72

Age changes in the relationship among certain endocrine glands of bovine males. Stallcup OT.
Growth 36:311-24, Dec 72

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. **J Endocrinol** 55:479-87, Dec 72

The identification and protection of the laryngeal motor nerves during thyroid and laryngeal surgery: a new microsurgical technique. Kratz RC.
Laryngoscope 83:59-78, Jan 73

Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. **Metabolism** 22:435-42, Mar 73

BLOOD SUPPLY

[Biselective thyroid angiography] Dupuy JP, et al.
Bord Med 5:1449-62, Jun 72 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Structure and function of thyroid C cells in newborn rats. Christov K, et al. **Beitr Pathol** 147:341-51, 1972

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al.
Endokrinologie 60:257-72, 1972

Identification of polysomes synthesizing thyroglobulin. Vassart G, et al. **Eur J Biochem** 32:322-30, 15 Jan 73

Relationship between thyroglobulin synthesis, iodine

metabolism, and histogenesis in the developing rabbit fetal thyroid gland. Roques M, et al. **Gen Comp Endocrinol** 19:457-72, Dec 72

Subcellular storage organelles for 5-hydroxytryptamine in parafollicular cells of drugs which deplete the amine. Gershon MD, et al. **J Cell Biol** 56:676-89, Mar 73

Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al. **J Clin Endocrinol Metab** 36:466-74, Mar 73

Aspirin and indomethacin abolish thyrotropin-induced increase in thyroid cell prostaglandins. Burke G. **Prostaglandins** 2:413-5, Nov 72

[Specificity of thyroidal and hepatic microsomal iodotyrosine deiodinase] Dumas P, et al. **Biochim Biophys Acta** 293:36-47, 12 Jan 73 (Eng. Abstr.) **(Fre)**

[A method for the demonstration of the histological functional stages of thyreocytes and calcitonin cells in the thyroid of the rat] Bläher S, et al. **Mikroskopie** 28:288-91, 1972 (Eng. Abstr.) **(Ger)**

[Electron microscopic study of the thyroid gland of animals after the administration of cholinolytic substances] Khomullo GV, et al. **Probl Endokrinol (Mosk)** 18:94-8, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

[Dynamics of the distribution of total and protein-bound I 131 in the thyrocyte-colloid system] Zaĭchik VE, et al. **Probl Endokrinol (Mosk)** 18:90-4, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Action of thyrotrophin (TSH) on thyroid protein synthesis in vivo and in vitro. Wägar G, et al. **Acta Endocrinol (Kbh)** 72:453-63, Mar 73

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al. **Acta Pathol Microbiol Scand [A]** 81:16-20, Jan 73

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al. **Endokrinologie** 60:257-72, 1972

Turnover of phospholipid ontogenesis: P 32 incorporation into thyroid slices. Knopp J, et al. **Horm Metab Res** 4:497-9, Nov 72

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. **Hormones** 3:228-34, 1972

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archbold TJ, et al. **J Anim Sci** 36:57-60, Jan 73

Subcellular storage organelles for 5-hydroxytryptamine in parafollicular cells of drugs which deplete the amine. Gershon MD, et al. **J Cell Biol** 56:676-89, Mar 73

Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al. **J Clin Endocrinol Metab** 36:466-74, Mar 73

Direct evidence for human thyroidal stimulation by LATS-protector. Shishiba Y, et al. **J Clin Endocrinol Metab** 36:517-21, Mar 73

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. **J Nutr** 103:378-83, Mar 73

Hypervitaminosis E in the chick. March BE, et al. **J Nutr** 103:371-7, Mar 73

Increased thyroxine secretion following administration of dinitrophenol to rats. England P, et al. **J Physiol (Lond)** 229:33-40, Feb 73

Possible synergism between iodine and lithium carbonate. Jorgensen JV, et al. **JAMA** 223:192-3, 8 Jan 73

Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. **Neuroendocrinology** 10:207-17, 1972

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al. **Neuroendocrinology** 10:197-206, 1972

Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. **Nucl Med (Stuttg)** 11:338-51, 30 Dec 72

Aspirin and indomethacin abolish thyrotropin-induced increase in thyroid cell prostaglandins. Burke G. **Prostaglandins** 2:413-5, Nov 72

Failure of dimethyl sulfoxide (DMSO) to alter thyroid function in the Sprague-Dawley rat. Goldman M. **Toxicol Appl Pharmacol** 24:73-80, Jan 73

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al. **C R Acad Sci [D] (Paris)** 274:3577-80, 26 Jun 72 **(Fre)**

[Prevention with dimethylbiguanide of thyroid changes caused by an atherogenic diet in rabbits] Marquié G, et al. **J Physiol (Paris)** 65:Suppl:270A-271, Oct 72 **(Fre)**

[Subacute action of low concentrations of chlorinated ethanes on rats with and without additional ethanol-treatment. II. Histological, histochemical and morphometrical studies] Gohlke R, et al. **Int Arch Arbeitsmed** 30:299-312, 1972 (Eng. Abstr.) **(Ger)**

[Cobalt effects in the organism with special reference to cardiovascular effects] Achenbach H, et al. **Z Gesamte Inn Med** 27:809-16, 1 Oct 72 (133 ref.) (Eng. Abstr.) **(Ger)**

[Electron microscopic study of the thyroid gland of animals after the administration of cholinolytic substances] Khomullo GV, et al. **Probl Endokrinol (Mosk)** 18:94-8, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

[Dynamics of the distribution of total and protein-bound I 131 in the thyrocyte-colloid system] Zaĭchik VE, et al. **Probl Endokrinol (Mosk)** 18:90-4, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Relationship between thyroglobulin synthesis, iodine metabolism, and histogenesis in the developing rabbit fetal thyroid gland. Roques M, et al. **Gen Comp Endocrinol** 19:457-72, Dec 72

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al. **Fortschr Med** 90:967-70, 28 Sep 72 **(Ger)**

ENZYMOLOGY

Ion transport and oxidative metabolism. II. Absence of the enzyme carbonic anhydrase in mitochondria isolated from different tissues of the dog and the rat. Deprez C, et al. **Biochimie** 54:103-7, 1972

Cytochemical demonstration of cholinesterase in follicle cells and parafollicular (C-) cells of the rat thyroid gland. Distribution, volumetric number and ultrastructure. Gauguin J, et al. **Histochemie** 34:97-106, 6 Feb 73

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al. **J Clin Endocrinol Metab** 36:522-30, Mar 73

[Specificity of thyroidal and hepatic microsomal iodotyrosine deiodinase] Dumas P, et al. **Biochim Biophys Acta** 293:36-47, 12 Jan 73 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Prenatal exposure to an extremely low frequency-low intensity rotating magnetic field and increases in thyroid and testicle weight in rats. Ossenkopp KP, et al. **Dev Psychobiol** 5:275-85, 1972

Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al. **Neuroendocrinology** 11:197-211, 1973

[Age characteristics of the functional activity of the thyroid gland in rodents] Akhmetov IZ. **Zh Evol Biokhim Fiziol** 8:210-2, Mar-Apr 72 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Schizophrenia and autoimmune serological reactions. Mellsop G, et al. **Arch Gen Psychiatry** 28:194-6, Feb 73

A collagen disorder of the nervous system presenting as multiple sclerosis. Fulford KW, et al. **Brain** 95:373-86, 1972

The effect of thyroid antigens on the in vitro migration of leucocytes from patients with Hashimoto thyroiditis. Calder EA, et al. **Clin Exp Immunol** 12:429-38, Dec 72

Comparison of juvenile diabetics with positive and negative organ specific antibody titers. Evidence for

genetic heterogeneity. Nissley SP, et al. **Diabetes 22:63-5, Jan 73**

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al. **Fertil Steril 24:1-9, Jan 73**

Radioimmunoassay for human antithyroglobulin antibodies. I. The relationship between tanned cell haemagglutination and a double antibody technique. Salabé GB, et al. **Hormones 3:1-13, 1972**

Immunological aberrations in patients with aneuploid chromosome abnormalities and in their parents. Neilsen J. **Humangenetik 16:171-6, 1972**

Variations in complement levels during active and adoptive immunization. Rose NR, et al. **J Immunol 110:867-72, Mar 73**

Clinical significance of autoimmune antibodies in leprosy. Shwe T. **Trans R Soc Trop Med Hyg 66:749-53, 1972**

[Autoimmune reactions in persons of various ages] Fixa B, et al. **Cas Lek Cesk 112:146-8, 2 Feb 73 (Eng. Abstr.) (Cze)**

[Thyroid gland absorption of radioactive iodine and anti-thyroid antibodies in patients with diabetes mellitus] Geller LI, et al. **Probl Endokrinol (Mosk) 18:7-11, Jul-Aug 72 (Eng. Abstr.) (Rus)**

METABOLISM

Action of thyrotrophin (TSH) on thyroid protein synthesis in vivo and in vitro. Wägar G, et al. **Acta Endocrinol (Kbh) 72:453-63, Mar 73**

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Wallnder G. **Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72**

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V. **Ann Intern Med 78:277-83, Feb 73 (41 ref.)**

Identification of polysomes synthesizing thyroglobulin. Vassart G, et al. **Eur J Biochem 32:322-30, 15 Jan 73**

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR. **Gen Comp Endocrinol 20:41-52, Feb 73**

Effect of photoperiod on thyroid function of spotted munia, Lonchura punctulata. Chancoia A, et al. **Gen Comp Endocrinol 20:214-7, Feb 73**

Relationship between thyroglobulin synthesis, iodine metabolism, and histogenesis in the developing rabbit fetal thyroid gland. Roques M, et al. **Gen Comp Endocrinol 19:457-72, Dec 72**

Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF. **Gen Comp Endocrinol 20:137-43, Feb 73**

Turnover of phospholipid ontogenesis: P 32 incorporation into thyroid slices. Knopp J, et al. **Horm Metab Res 4:497-9, Nov 72**

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archbold TJ, et al. **J Anim Sci 36:57-60, Jan 73**

Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake. Talukdar CK, et al. **J Assoc Physicians India 20:551-60, Aug 72**

Incorporation of N-acetylmannosamine and N-acetylglucosamine into thyroglobulin in rat thyroid in vitro. Monaco F, et al. **J Biol Chem 248:2072-7, 25 Mar 73**

Subcelluiar storage organelles for 5-hydroxytryptamine in parafollicular cells of drugs which deplete the amine. Gershon MD, et al. **J Cell Biol 56:676-89, Mar 73**

Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al. **J Clin Endocrinol Metab 36:466-74, Mar 73**

Depletion of thyroid iodine during subacute thyroiditis. Rapoport B, et al. **J Clin Endocrinol Metab 36:610-1, Mar 73**

Reversible binding of labelled and non-labelled thyrotrophin by intact thyroid tissue in vitro. Manley SW, et al. **J Endocrinol 55:555-63, Dec 72**

A soluble preparation from rat brain that incorporates into its own proteins (14 C)arginine by a ribonuclease-sensitive system and (14 C)tyrosine by a ribonuclease-insensitive system. Barra HS, et al. **J Neurochem 20:97-108, Jan 73**

Thyroid radiouclide uptake measurements. Report of an IAEA Panel. **J Nucl Biol Med 16:1-9, Jan-Mar 72**

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. **J Nutr 103:378-83, Mar 73**

Hypervitaminosis E in the chick. March BE, et al. **J Nutr 103:371-7, Mar 73**

Energy metabolism in atherosclerosis-resistant and -susceptible pigeons. Olson CR, et al. **J Nutr 103:189-95, Feb 73**

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. **J Pediatr 82:187-91, Feb 73**

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr 82:1-9, Jan 73 (62 ref.)**

Effect of high-fat diet on thermal acclimation with special reference to thyroid activity. Yoshimura M, et al. **Jap J Physiol 22:517-31, Oct 72**

Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. **Nucl Med (Stuttg) 11:338-51, 30 Dec 72**

Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al. **Pol Med J 11:1063-9, 1972**

Management of thyroid disorders. Becker KL. **Postgrad Med 53:60-5, Feb 73**

Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al. **Proc Soc Exp Biol Med 142:600-3, Feb 73**

Biologic behavior of 99m Tc from 99m Tc-pertechnetate ion. Lathrop KA, et al. **Prog Nucl Med 1:145-62, 1972 (49 ref.)**

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al. **S Afr Med J 47:266-9, 17 Feb 73**

Quantitative studies of ascitic fluid. Luttwak EM. **Surg Gynecol Obstet 136:269-72, Feb 73**

Failure of dimethyl sulfoxide (DMSO) to alter thyroid function in the Sprague-Dawley rat. Goldman M. **Toxicol Appl Pharmacol 24:73-80, Jan 73**

[Study of pinocytosis and hydrolysis of thyroglobulin by the normal and pathological thyroid cell] De Visscher M, et al. **Bull Acad R Med Belg 12:263-88, 1972 (Eng. Abstr.) (Fre)**

[Postoperative thyroid function] Bünte H, et al. **Chirurg 44:61-3, Feb 73 (Eng. Abstr.) (Ger)**

[Measurement of radioactivity in body organs. Report on a scientific conference of the International Atomic Energy Organization] **Nucl Med (Stuttg) 11:203-25, 15 Nov 72 (69 ref.) (Eng. Abstr.) (Ger)**

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y. **Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)**

[Thyroidectomy in the treatment of different forms of single thyroid nodule] Angelescu E, et al. **Chirurgia (Bucur) 22:259-68, Mar 73 (Eng. Abstr.) (Rum)**

[Automatic determination of stable iodine in thyroid tissue] Dinulescu E, et al. **Stud Cercet Endocrinol 24:131-4, 1973 (Rum)**

[Thyroid gland absorption of radioactive iodine and anti-thyroid antibodies in patients with diabetes mellitus] Geller LI, et al. **Probl Endokrinol (Mosk) 18:7-11, Jul-Aug 72 (Eng. Abstr.) (Rus)**

[The absolute concentration of thyroglobulin and other proteins in the thyroid gland under normal conditions and in thyroid pathology] Saatov T. **Probl Endokrinol (Mosk) 18:81-6, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. **Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)**

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI. **Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[The structure and function of thyroid gland polyribosomes] Turakulov IaKh, et al.

Probl Endokrinol (Mosk) 18:78-81, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Dynamics of the distribution of total and protein-bound I 131 in the thyrocyte-colloid system] Zaĭchik VE, et al.
Probl Endokrinol (Mosk) 18:90-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

PATHOLOGY

Experimental hyperphenilalanaemia and the thyroid gland. Pasquier Rivero DA, et al.
Acta Anat (Basel) 83:119-26, 1972
The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73
The diagnostic value of aspiration smears. Hajdu SI, et al. Am J Clin Pathol 59:350-6, Mar 73
Ultrastructural features of subacute granulomatous thyroiditis and Hashimoto's disease. Reidbord HE, et al. Am J Clin Pathol 59:327-37, Mar 73
Observations on spontaneous pathological lesions in chacma baboons (Papio ursinus). Weber HW, et al.
Am J Phys Anthropol 38:407-13, Mar 73
Microscopic lesions in fetuses of ewes ingesting locoweed (Astragalus lentiginosus). Hartley WJ, et al.
Am J Vet Res 34:209-11, Feb 73
Structure and function of thyroid C cells in newborn rats. Christov K, et al. Beitr Pathol 147:341-51, 1972
Generalized amyloidosis in a cat. Crowell WA, et al.
J Am Vet Med Assoc 161:1127-33, 15 Nov 72
Euthyroid Graves' disease. Chhetri MK, et al.
J Assoc Physicians India 20:367-72, May 72
The value of percutaneous thyroid biopsy. Sainani GS, et al. J Assoc Physicians India 20:733-6, Oct 72
The autonomous thyroid nodule: correlation of scan appearance and histopathology. Campbell WL, et al.
Radiology 107:133-8, Apr 73
Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)
[Subacute action of low concentrations of chlorinated ethanes on rats with and without additional ethanol-treatment. II. Histological, histochemical and morphometrical studies] Gohlke R, et al.
Int Arch Arbeitsmed 30:299-312, 1972 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Structure and function of thyroid C cells in newborn rats. Christov K, et al. Beitr Pathol 147:341-51, 1972
Thyroid activity in lines of mice selected for large and small body weight. Synenki RM, et al.
Can J Genet Cytol 14:483-94, Sep 72
Uterine and hepatic protein biosynthesis in estrogen-treated and thyroidectomized rats. Feng HW, et al. Clin Chim Acta 42:225-8, Nov 72
Opposing actions of calcitonin and cortisone upon osteogenesis in a heterotopic site. Thompson JS, et al.
Clin Orthop 90:201-8, Jan-Feb 73
Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K.
Endocrinol Jap 19:461-75, Oct 72
The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73
Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Paviovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73
Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Taillán F, et al. Endokrinologie 60:279-84, 1972
Effect of photoperiod on thyroid function of spotted murla, Lonchura punctulata. Chancola A, et al.
Gen Comp Endocrinol 20:214-7, Feb 73
Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt. Compher MK Jr, et al.
Gen Comp Endocrinol 20:29-40, Feb 73
Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens. Gona AG, et al. Gen Comp Endocrinol 20:107-11, Feb 73
Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF.
Gen Comp Endocrinol 20:137-43, Feb 73
Effect of thyroid function on sex transformation in frog tadpoles. Yü NW, et al.
Gen Comp Endocrinol 19:536-42, Dec 72
Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. Hormones 3:228-34, 1972
Thyroid responses to simulated altitude. Kotchen TA, et al. J Appl Physiol 34:165-8, Feb 73
Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73
Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC.
J Natl Cancer Inst 48:113-8, Jan 72
Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. Neuroendocrinology 10:207-17, 1972
Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al.
Neuroendocrinology 11:197-211, 1973
Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972
Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. Physiol Behav 9:203-8, Aug 72
Simulation of short-term changes in thyroid function following a single dose of thiocyanate with the aid of an analogue computer. Sudová K, et al.
Physiol Bohemoslov 21:511-6, 1972
Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al.
Pol Med J 11:1063-9, 1972
Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73
The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. Recent Prog Horm Res 28:229-86, 1972
Failure of dimethyl sulfoxide (DMSO) to alter thyroid function in the Sprague-Dawley rat. Goldman M.
Toxicol Appl Pharmacol 24:73-80, Jan 73
[Role of thyroxine in the initiation of hibernation and resistance to cold in Eureopean hamsters (Cricetus cricetus) thyroidectomized in spring] Canguilhem B.
C R Soc Biol (Paris) 166:688-92, 1972 (Fre)
[Effect of the thyroid gland on the distribution of plasma amino acids and protein changes during hibernation in lerots] Sicart R, et al.
J Physiol (Paris) 65:Suppl:304A-305, Oct 72 (Fre)
[Consequences of simultaneous ablation of the thyroid and adrenal medulla on the maximal heat production of dogs exposed to cold] Therminarias A, et al.
J Physiol (Paris) 65:Suppl 1:169A, 1972 (Fre)
[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)
[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al.
Klin Wochenschr 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)
[New problems of thyroid physiology during pregnancy] Mizuno M, et al.
Clin Endocrinol (Tokyo) 20:715-23, Sep 72 (Jap)
[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)
[Salivation in man under normal conditions and in disease] Netakhata ZhN, et al.
Klin Med (Mosk) 50:15-22, Sep 72 (Rus)
[Age characteristics of the functional activity of the thyroid gland in rodents] Akhmetov IZ.
Zh Evol Biokhim Fiziol 8:210-2, Mar-Apr 72 (Eng. Abstr.) (Rus)
[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al.
Lakartidningen 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)
[Biochemistry and endocrine spectrum of the organism in experimental life prolongation of laboratory animals] Nikitin VM.
Fiziol Zh 18:469-78, Jul-Aug 72 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. Am J Med Sci 264:143-7, Aug 72

A guide to safe and effective digitalis therapy. Friedlander DH. **Drugs** 3:404-13, 1972

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972

Hyperthyroidism with a functioning nodule. Kooi PV. **J Iowa Med Soc** 63:111-3, Mar 73

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. **Lancet** 1:391-4, 24 Feb 73

Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E. **World Rev Nutr Diet** 17:53-90, 1973 (101 ref.)

[Study of pinocytosis and hydrolysis of thyroglobulin by the normal and pathological thyroid cell] De Visscher M, et al. **Bull Acad R Med Belg** 12:263-88, 1972 (Eng. Abstr.) (Fre)

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al. **Fortschr Med** 90:967-70, 28 Sep 72 (Ger)

[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al. **Med Welt** 23:1810-2, 25 Nov 72 (Ger)

[Triiodothyronine-binding index in patients with progressive muscular dystrophy] Mularek J, et al. **Neurol Neurochir Pol** 7:47-50, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. **Stud Cercet Endocrinol** 24:95-103, 1973 (Rum)

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al. **Lakartidningen** 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)

RADIATION EFFECTS

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Wallinder G. **Acta Radiol [Ther] (Stockh)** 11:433-51, Oct 72

Radiologic health considerations in pediatric nuclear medicine. Hiscock RR. **Radiol Technol** 44:312-6, Mar-Apr 73

[Significance of sunbathing and baths for health] Witzleb E. **Arch Dermatol Forsch** 244:146-51, 1972 (Ger)

[Possible use of labeled compounds for studying iodine and thyroid hormone metabolism in clinical practice] Mirkhodzhaev AKh. **Probl Endokrinol (Mosk)** 18:25-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Thyroid lymphography] Zakrzewski M. **Pol Tyg Lek** 27:1965-8, 11 Dec 72 (Eng. Abstr.) (Pol)

SECRETION

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al. **Endokrinologie** 60:251-6, 1972

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al. **Endokrinologie** 60:257-72, 1972

Thyroxine secretion rates in desert lizards: Dipsosaurus dorsalis and callisaurus draconoides. Yousef MK, et al. **Gen Comp Endocrinol** 20:217-9, Feb 73

Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al. **J Dairy Sci** 56:195-201, Feb 73

Hypomagnesaemia following theophylline or furosemide injection in ewes: renal versus extrarenal effect. Larvor P, et al. **J Physiol (Lond)** 227:365-75, Dec 72

T3 hyperthyroidism. Wahner HW. **Mayo Clin Proc** 47:938-43, Dec 72 (35 ref.)

[Changes in the secretion level of thyroxine in male ducks subjected to variations in alimentation and surrounding temperature] Astier H, et al. **C R Acad Sci [D] (Paris)** 275:2531-4, 27 Nov 72 (Fre)

[Determination of thyroid hormone secretory rate using the effect of exogenous hormone administration to the thyroid-gland regulating circle] Männchen E. **Z Gesamte Inn Med** 27:843-9, 1 Oct 72 (Eng. Abstr.) (Ger)

[Electron microscopic study of the thyroid gland of animals after the administration of cholinolytic substances] Khomulio GV, et al. **Probl Endokrinol (Mosk)** 18:94-8, Jul-Aug 72 (Eng. Abstr.) (Rus)

SURGERY

Thyroid hemiagenesis with goiter. Golinger RC. **JAMA** 224:128, 2 Apr 73

The identification and protection of the laryngeal motor nerves during thyroid and laryngeal surgery: a new microsurgical technique. Kratz RC. **Laryngoscope** 83:59-78, Jan 73

TRANSPLANTATION

[Ponderal cycle of wild hamsters in captivity: study in normal animals, castrated animals and thyroidectomized animals. Effect of thyroxine injections and thyroid homografts] Canguilhem B, et al. **J Physiol (Paris)** 65:Suppl:209A, Oct 72 (Fre)

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI. **Probl Endokrinol (Mosk)** 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

THYROID GLAND FUNCTION TESTS

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB. **Acta Endocrinol (Kbh)** 72:443-52, Mar 73

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al. **Acta Ophthalmol (Kbh)** 50:761-70, 1972

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci** 264:495-8, Dec 72

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci** 264:499-505, Dec 72

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

PBI-ETR for routine screening of thyroid function. Boss M, et al. **Br Med J** 1:352, 10 Feb 73

Counting of beta and gamma emitters used in clincal radioimmunoassays and competitive-binding assays by liquid scintillation counters. Heiman EZ, et al. **Clin Chem** 19:191-6, Feb 73

Interlaboratory and intralaboratory comparison of T 3 -uptake methodology. Spierto FW, et al. **Clin Chem** 18:1355-9, Nov 72

The long-term use of injectable noretbisterone enanthate as a contraceptive. el-Mahgoub S, et al. **Contraception** 5:21-9, Jan 72

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al. **Fertil Steril** 24:1-9, Jan 73

The diagnosis utility of the QK d interval in thyroid disease. Skibinsky J, et al. **Horm Metab Res** 4:371-3, Sep 72

In vitro RBC uptake of radio-triiodothyronine as a useful thyroid function test in Indian patients. II. Talukdar CK, et al. **Indian J Med Res** 60:1621-8, Nov 72

The value of the suppression test in patients with goitre. Poulose KP, et al. **Indian J Med Sci** 26:819-22, Dec 72

Euthyroid Graves' disease. Chhetri MK, et al. **J Assoc Physicians India** 20:367-72, May 72

Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Rastogi GK, et al. **J Assoc Physicians India** 20:471-6, Jul 72

Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Sharma BN. **J Assoc Physicians India** 20:727, Sep 72

Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake. Talukdar CK, et al. **J Assoc Physicians India** 20:551-60, Aug 72

Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. **J Biol Chem** 248:1329-33, 25 Feb 73

Hyperthyroidism with a functioning nodule. Kool PV. **J Iowa Med Soc** 63:111-3, Mar 73

Mild hypothyroidism and its effects on the larynx. Bicknell PG. **J Laryngol Otol** 87:123-7, Feb 73

Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Abreau CM, et al. **J Nucl Med** 14:159-63, Mar 73

Arteriovenous difference: a systematic error of early phase thyroidal clearance measurement. Gray HW, et al. **J Nucl Med** 14:238-9, Apr 73

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr** 82:1-9, Jan 73 (62 ref.)

Normalized serum thyroxine and effective thyroxine ratio. Ashkar FS, et al. **JAMA** 223:1160, 5 Mar 73

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. **Lancet** 1:391-4, 24 Feb 73

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM. **Mayo Clin Proc** 47:913-8, Dec 72 (31 ref.)

T3 hyperthyroidism. Wahner HW. **Mayo Clin Proc** 47:938-43, Dec 72 (35 ref.)

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore)** 52:73-92, Jan 73

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al. **Neuroendocrinology** 10:197-206, 1972

Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. **Nucl Med (Stuttg)** 11:281-90, 15 Nov 72

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the TSH stimulation test. Höschl R, et al. **Nucl Med (Stuttg)** 11:324-32, 30 Dec 72

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test. Höschl R, et al. **Nucl Med (Stuttg)** 11:317-23, 30 Dec 72

Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. **Nucl Med (Stuttg)** 11:338-51, 30 Dec 72

Thyroid function assessment. Birnbaum MD. **Obstet Gynecol** 41:315-7, Feb 73

Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Kirkland RT, et al. **Pediatrics** 51:85-90, Jan 73

Simulation of short-term changes in thyroid function following a single dose of thiocyanate with the aid of an analogue computer. Sudová K, et al. **Physiol Bohemoslov** 21:511-6, 1972

Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al. **Pol Med J** 11:1063-9, 1972

Management of thyroid disorders. Becker KL. **Postgrad Med** 53:60-5, Feb 73

Thyroid function in pregnancy. Stein RB, et al. **Postgrad Med** 53:72-7, Feb 73

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al. **S Afr Med J** 47:266-9, 17 Feb 73

Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med** 3:3-25, Jan 73 (114 ref.)

[A case of reversible myxedema induced by lithium] Brandrup FO. **Ugeskr Laeger** 134:2710-2, 18 Dec 72 (Eng. Abstr.) (Dan)

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris)** 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)

[Value of the gamma camera in thyroid exploration] Galle P, et al. **Ann Endocrinol (Paris)** 33:278-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al. **Ann Endocrinol (Paris)** 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Changes in the secretion level of thyroxine in male ducks subjected to variations in alimentation and surrounding temperature] Astier H, et al. **C R Acad Sci [D] (Paris)** 275:2531-4, 27 Nov 72 (Fre)

[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al. **Nouv Presse Med** 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)

[New procedures for thyroid gland exploration] Lemarchand-Béraud T. **Praxis** 62:3-5, 3 Jan 73 (Fre)

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al. **Fortschr Med** 90:967-70, 28 Sep 72 (Ger)

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. **Klin Wochenschr** 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al. **Klin Wochenschr** 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al. **Klin Wochenschr** 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al. **Med Welt** 23:1810-2, 25 Nov 72 (Ger)

["Effective thyroxine ratio", a simplified in-vitro procedure for estimating the free serum thyroxine level] Vosberg H, et al. **Med Welt** 23:1812-3, 25 Nov 72 (Ger)

[Endocrinological functional diagnostics in medical practice] Husmann F, et al. **Z Allgemeinmed** 48:1389-92, 31 Oct 72 (Ger)

[Determination of thyroid hormone secretory rate using the effect of exogenous hormone administration to the thyroid-gland regulating circle] Männchen E. **Z Gesamte Inn Med** 27:843-9, 1 Oct 72 (Eng. Abstr.) (Ger)

[Res-O-Mat ETR (effective thyroxine ratio) test] Hasegawa H, et al. **Clin Endocrinol (Tokyo)** 20:883-6, Oct 72 (Jap)

[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al. **Folia Endocrinol Jap** 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)

[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al. **Folia Endocrinol Jap** 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)

[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. **Stud Cercet Endocrinol** 24:95-103, 1973 (Rum)

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

[Lithium treatment and hypothyroidism] Fagerberg SE, et al. **Lakartidningen** 69:6055-8, 13 Dec 72 (Eng. Abstr.) (Swe)

[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al. **Lakartidningen** 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)

STANDARDS

Thyroid radiouclide uptake measurements. Report of an IAEA Panel. **J Nucl Biol Med** 16:1-9, Jan-Mar 72

[New recommendations by the International Atomic Energy Agency: on the determination of 99mTcO 4 uptake by the thyroid] Kakehi H, et al. **Jap J Clin Radiol** 17:869-74, Nov 72 (Jap)

[Comparative survey of the values of Read's formula, basal metabolism and functional tests of the thyroid gland] Ančić V, et al. **Med Pregl** 25:249-50, 1972 (Ser)

VETERINARY

Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al. **J Dairy Sci** 56:195-201, Feb 73

THYROID

THYROIDECTOMY

Uterine and hepatic protein biosynthesis in estrogen-treated and thyroidectomized rats. Feng HW, et al. **Clin Chim Acta** 42:225-8, Nov 72

Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K. **Endocrinol Jap** 19:461-75, Oct 72

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Tallián F, et al. **Endokrinologie** 60:279-84, 1972

Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens. Gona AG, et al. **Gen Comp Endocrinol** 20:107-11, Feb 73

Effect of thyroid function on sex transformation in frog tadpoles. Yü NW, et al. **Gen Comp Endocrinol** 19:536-42, Dec 72

Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al. **Horm Metab Res** 4:488-92, Nov 72

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. **Hormones** 3:228-34, 1972

Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. **J Biol Chem** 248:1329-33, 25 Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. **J Endocrinol** 55:479-87, Dec 72

Median ectopic thyroid gland. Pulito AR, et al. **J Pediatr Surg** 8:73-4, Feb 73

Hypomagnesaemia following theophylline or furosemide injection in ewes: renal versus extrarenal effect. Larvor P, et al. **J Physiol (Lond)** 227:365-75, Dec 72

Fine structural and enzymatic evaluation of bone in thyroparathyroidectomized rats receiving various levels of vitamin D. Weisbrode SE, et al. **Lab Invest** 28:29-37, Jan 73

Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. **Physiol Behav** 9:203-8, Aug 72

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al. **Physiol Rev** 53:228-325, Jan 73 (932 ref.)

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. **Recent Prog Horm Res** 28:399-470, 1972

Aspiration biopsy of thyroid nodules. Crile G Jr, et al. **Surg Gynecol Obstet** 136:241-5, Feb 73

An evaluation of wound complications after neck dissection and composite resection utilizing transverse cervical incisions. Doberneck RC. **Surgery** 73:261-5, Feb 73

The effect of surgical trauma on the conjugation pattern of 17-hydroxycorticosteroids. Wise L, et al. **Surgery** 73:163-7, Feb 73

Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J** 72:97-100, Mar 72

[Effect of 25-HCC in a hypocalcemic patient with active metastases from an operated thyroid medullary tumor] Miravet L, et al. **Ann Endocrinol (Paris)** 33:270-1, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Role of thyroxine in the initiation of hibernation and resistance to cold in Eureopean hamsters (Cricetus cricetus) thyroidectomized in spring] Cangullhem B. **C R Soc Biol (Paris)** 166:688-92, 1972 **(Fre)**

[Ponderal cycle of wild hamsters in captivity: study in normal animals, castrated animals and thyroidectomized animals. Effect of thyroxine injections and thyroid homografts] Cangullhem B, et al. **J Physiol (Paris)** 65:Suppl:209A, Oct 72 **(Fre)**

[Consequences of simultaneous ablation of the thyroid and adrenal medulla on the maximal heat production of dogs exposed to cold] Therminarias A, et al. **J Physiol (Paris)** 65:Suppl 1:169A, 1972 **(Fre)**

[Surgical-radiologic combination therapy of malignant thyroid neoplasms] Heissen E, et al. **Chirurg** 44:49-52, Feb 73 (Eng. Abstr.) **(Ger)**

[New aspects in goiter surgery] Roth H. **Helv Chir Acta** 39:733-6, Dec 72 **(Ger)**

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al. **Klin Wochenschr** 50:1138-9, 15 Dec 72 (Eng. Abstr.) **(Ger)**

[Calcium-loss-kidney of multiple myeloma and its metabolic consecutive reactions] Kaiser W, et al. **Z Gesamte Inn Med** 27:995-9, 15 Nov 72 (Eng. Abstr.) **(Ger)**

[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al. **Rev Assoc Med Bras** 18:457-62, Nov 72 (Eng. Abstr.) **(Por)**

[Thyroidectomy in the treatment of different forms of single thyroid nodule] Angelescu E, et al. **Chirurgia (Bucur)** 22:259-68, Mar 73 (Eng. Abstr.) **(Rum)**

[Neck strangulation syndrome following surgery on the thyroid gland] Vinnik LF. **Vestn Khir** 108:53-7, Jul 72 (Eng. Abstr.) **(Rus)**

[Hypertrophic myopathy and neuropathy in myxedema (clinical and neurophysiological aspects)] Esteban A, et al. **Rev Clin Esp** 127:783-94, 15 Nov 72 **(Spa)**

[Clinical study on 42 thyroidectomized patients] Naranjo Gómez A, et al. **Rev Clin Esp** 128:27-34, 15 Jan 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al. **Acta Ophthalmol (Kbh)** 50:761-70, 1972

[Course observations of recurrent nerve paralysis following goiter resection] Babiik L, et al. **Chirurg** 44:57-61, Feb 73 (Eng. Abstr.) **(Ger)**

II. Disorders of the Thyroid Gland

CRETINISM

BLOOD

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73

COMPLICATIONS

Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med** 3:3-25, Jan 73 (114 ref.)

ETIOLOGY

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V.
Ann Intern Med 78:277-83, Feb 73 (41 ref.)

FAMILIAL & GENETIC

Kocher-Debre-Semelaigne syndrome. A case report of a twin sister. Rao M, et al.
J Assoc Physicians India 20:407-9, May 72

GOITER

BLOOD

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB.
Acta Endocrinol (Kbh) 72:443-52, Mar 73
[The value of determining free serum tyrosine in thyroid diseases] Lerkh EE.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

The use of lithium carbonate in the treatment of mood disorders. Brown WT.
Can Med Assoc J 108:742-4 passim, 17 Mar 73 (26 ref.)
Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. **Hormones** 3:228-34, 1972
Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. **J Nutr** 103:378-83, Mar 73
Hypervitaminosis E in the chick. March BE, et al.
J Nutr 103:371-7, Mar 73

COMPLICATIONS

Thyroid hemiagenesis with goiter. Gollnger RC.
JAMA 224:128, 2 Apr 73
[Death due to goiter in pregnancy] Goertchen R.
Zentralbl Gynaekol 94:1660-4, 2 Dec 72 (Ger)

CONGENITAL

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72
Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al.
Horm Metab Res 4:488-92, Nov 72

DIAGNOSIS

The value of the suppression test in patients with goitre. Poulose KP, et al.
Indian J Med Sci 26:819-22, Dec 72
Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. **Nucl Med (Stuttg)** 11:338-51, 30 Dec 72
Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med** 3:3-25, Jan 73 (114 ref.)
[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al.
Med Welt 23:1810-2, 25 Nov 72 (Ger)
[Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)] Inada M, et al.
Jap J Nucl Med 9:475-81, Oct 72 (Eng. Abstr.) (Jap)

DRUG THERAPY

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al.
J Clin Endocrinol Metab 36:522-30, Mar 73

ETIOLOGY

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al.
J Clin Endocrinol Metab 36:522-30, Mar 73

IMMUNOLOGY

Lymphocyte transformation with thyroglobulin in thyroid diseases. Delespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72

METABOLISM

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al.
Acta Histochem (Jena) 43:1-7, 1972
The structure of human thyroglobulin: sedimentation equilibrium in 6M guanidine hydrochloride. Rawitch AB, et al. **Biochim Biophys Acta** 295:225-32, 25 Jan 73
Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al.
J Clin Endocrinol Metab 36:522-30, Mar 73
Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. **J Nutr** 103:378-83, Mar 73
Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 82:284-6, Feb 73
[Automatic determination of stable iodine in thyroid tissue] Dinulescu E, et al.
Stud Cercet Endocrinol 24:131-4, 1973 (Rum)

PHYSIOPATHOLOGY

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[New aspects in goiter surgery] Roth H.
Helv Chir Acta 39:733-6, Dec 72 (Ger)
[Death due to goiter in pregnancy] Goertchen R.
Zentralbl Gynaekol 94:1660-4, 2 Dec 72 (Ger)

RADIOTHERAPY

Vocal cord paresis following radioactive iodine therapy. Craswell PW. **Br J Clin Pract** 26:571-2, Dec 72

SURGERY

Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al. Horm Metab Res 4:488-92, Nov 72
[Course observations of recurrent nerve paralysis following goiter resection] Bablik L, et al. Chirurg 44:57-61, Feb 73 (Eng. Abstr.) (Ger)
[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH. Helv Chir Acta 39:737-40, Dec 72 (Ger)
[New aspects in goiter surgery] Roth H. Helv Chir Acta 39:733-6, Dec 72 (Ger)

GOITER, ENDEMIC

Water-borne goitrogens and their role in the etiology of endemic goiter. Galtán E. World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

CHEMICALLY INDUCED

Water-borne goitrogens and their role in the etiology of endemic goiter. Galtán E. World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

COMPLICATIONS

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V. Ann Intern Med 78:277-83, Feb 73 (41 ref.)
Radionuclide evaluation of thyroid disease in children. Greig WR. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)

DIAGNOSIS

[Autonomous thyroid adenoma in an endemic goitre region] Pohl G, et al. Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V. Ann Intern Med 78:277-83, Feb 73 (41 ref.)
Water-borne goitrogens and their role in the etiology of endemic goiter. Galtán E. World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

ETIOLOGY

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V. Ann Intern Med 78:277-83, Feb 73 (41 ref.)
Water-borne goitrogens and their role in the etiology of endemic goiter. Galtán E. World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

HISTORY

Some aspects of the history of dietetics. Todhunter EN. World Rev Nutr Diet 10:1-46, 1973

METABOLISM

Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. Nucl Med (Stuttg) 11:281-90, 15 Nov 72

OCCURRENCE

Nutrition in the third world. Halsted JA. Ann Intern Med 78:296-7, Feb 73
Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V. Ann Intern Med 78:277-83, Feb 73 (41 ref.)
Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Rastogi GK, et al. J Assoc Physicians India 20:471-6, Jul 72
Water-borne goitrogens and their role in the etiology of endemic goiter. Galtán E. World Rev Nutr Diet 17:53-90, 1973 (101 ref.)
[Incidence and clinical forms of endemic goiter in two foci after 20 years of iodate prevention (comparative studies in the towns of Stoeneşti-Argeş and Buda-Ilfov)] Negoescu I, et al. Stud Cercet Endocrinol 24:115-23, 1973 (Rum)
[The effect of social factors on the state of endemic goiter in the USSR] Smirnov NP. Probl Endokrinol (Mosk) 18:8-12, Nov-Dec 72 (Rus)

PREVENTION & CONTROL

Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Rastogi GK, et al. J Assoc Physicians India 20:471-6, Jul 72
Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Sharma BN. J Assoc Physicians India 20:727, Sep 72
[Incidence and clinical forms of endemic goiter in two foci after 20 years of iodate prevention (comparative studies in the towns of Stoeneşti-Argeş and Buda-Ilfov)] Negoescu I, et al. Stud Cercet Endocrinol 24:115-23, 1973 (Rum)
[The effect of social factors on the state of endemic goiter in the USSR] Smirnov NP. Probl Endokrinol (Mosk) 18:8-12, Nov-Dec 72 (Rus)

GOITER, EXOPHTHALMIC

The orbit. Trokel SL. Arch Ophthalmol 89:152-62, Feb 73 (179 ref.)
Euthyroid Graves' disease. Chhetri MK, et al. J Assoc Physicians India 20:367-72, May 72
Direct evidence for human thyroidal stimulation by LATS-protector. Shishiba Y, et al. J Clin Endocrinol Metab 36:517-21, Mar 73
[Clinical study of Graves' disease] Lee YS, et al. J Formosan Med Assoc 71:598-602, 28 Sep 72 (Eng. Abstr.) (Chi)
[Acromegaly] Lindholm J, et al. Ugeskr Laeger 135:183-7, 22 Jan 73 (Eng. Abstr.) (Dan)

BLOOD

Isoelectric focusing of long-acting thyroid stimulator immunoglobulin G. Lonergan C, et al. J Clin Endocrinol Metab 36:439-44, Mar 73
[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al. Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)
[Thyroid acropachy with an abnormally high concentration of long acting thyroid stimulator] Momotani N, et al. Clin Endocrinol (Tokyo) 20:649-53, Aug 72 (Jap)
[Studies on insulinemia in Graves-Basedow disease] Sieradzki J, et al. Przegl Lek 29:872-7, 1972 (Eng. Abstr.) (Pol)

COMPLICATIONS

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al. Acta Ophthalmol (Kbh) 50:761-70, 1972
Surgical treatment of dysthyroid restriction syndromes. Pratt-Johnson JA, et al. Can J Ophthalmol 7:405-12, Oct 72
[Thymus neoplasms] Thies E, et al. Bruns Beitr Klin Chir 219:619-38, 1972 (Eng. Abstr.) (Ger)
[Thyroid acropachy with an abnormally high concentration of long acting thyroid stimulator] Momotani N, et al. Clin Endocrinol (Tokyo) 20:649-53, Aug 72 (Jap)
[Use of inderal in a patient with diffuse toxic goiter and atrial flutter] Savina LV, et al. Probl Endokrinol (Mosk) 18:49-50, Nov-Dec 72 (Rus)

DIAGNOSIS

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)
Euthyroid Graves' disease. Chhetri MK, et al. J Assoc Physicians India 20:367-72, May 72
Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73
Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. Nucl Med (Stuttg) 11:338-51, 30 Dec 72
Thyroid function in pregnancy. Stein RB, et al. Postgrad Med 53:72-7, Feb 73
[Clinical study of Graves' disease] Lee YS, et al.

J Formosan Med Assoc 71:598-602, 28 Sep 72 (Eng. Abstr.) (Chi)

DRUG THERAPY

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972
Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72
[Acute erytbroleukemia following treatment of malignant exophthalmos with chloramhucil] Laroche C, et al. Nouv Presse Med 1:3133, 23 Dec 72 (Fre)

ETIOLOGY

Precipitating factors in hyperthyroidism. Forteza ME.
Geriatrics 28:123-6, Feb 73
Euthyroid Graves' disease. Chhetri MK, et al.
J Assoc Physicians India 20:367-72, May 72

FAMILIAL & GENETIC

Graves' disease and Hashimoto's thyroiditis in monozygous twins. Chertow BS, et al.
Acta Endocrinol (Kbh) 72:18-24, Jan 73

HISTORY

Thyroid eponymy. (Parry CH), (Osler W), Poster MF.
N Engl J Med 288:422, 22 Feb 73

IMMUNOLOGY

Lymphocyte transformation with thyroglobulin in thyroid diseases. Delespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72
[The role of blood group antigenic polymorphism and sex in predisposition to various diseases] Malikov AI.
Klin Med (Mosk) 50:81-3, Sep 72 (Rus)

METABOLISM

Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 82:284-6, Feb 73
[Studies on insulinemia in Graves-Basedow disease] Sieradzki J, et al.
Przegl Lek 29:872-7, 1972 (Eng. Abstr.) (Pol)
[The absolute concentration of thyroglobulin and other proteins in the thyroid gland under normal conditions and in thyroid pathology] Saatov T.
Probl Endokrinol (Mosk) 18:81-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

PATHOLOGY

Graves' disease and Hashimoto's thyroiditis in monozygous twins. Chertow BS, et al.
Acta Endocrinol (Kbh) 72:18-24, Jan 73
Ultrastructural features of subacute granulomatous thyroiditis and Hashimoto's disease. Reidhord HE, et al. Am J Clin Pathol 59:327-37, Mar 73
Euthyroid Graves' disease. Chhetri MK, et al.
J Assoc Physicians India 20:367-72, May 72

PHYSIOPATHOLOGY

[Activity of human growth bormone (HGH) in serum following insulin stimulation in radiolodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Hypothyroidism in progressive ophthalmopatby of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972
The Vanderbilt experience with I 131 treatment for Graves' disease. Douglas JG.
South Med J 66:92-4, Jan 73
[Risk of late hypothyroidism following iodine isotope treatment in Graves-Basedow hyperthyroidism. Statistical study for a 10,000 rads dose and 10-year follow-up] Massin JP, et al.
Pathol Biol (Paris) 20:965-77, Dec 72 (Eng. Abstr.) (Fre)
[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Ahstr.) (Ger)

SURGERY

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972
Preparation of hyperthyroidism using a beta-adrenergic blocker "Trasicor". Ibrahim H, et al.
Bull Soc Int Chir 31:510-3, Nov-Dec 72
[Neck strangulation syndrome following surgery on the thyroid gland] Vinnik LF.
Vestn Khir 108:53-7, Jul 72 (Eng. Ahstr.) (Rus)

THERAPY

Observations on the therapeutic merit of thyroid radioahlation for treatment of malignant exophthalmos. Weiss ER, et al.
Nucl Med (Stuttg) 11:226-33, 15 Nov 72

GOITER, NODULAR

BLOOD

[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)
[The value of determining free serum tyrosine in thyroid diseases] Lerkh EE.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Eng. Ahstr.) (Rus)

COMPLICATIONS

Severe cardiac failure in a chronic alcoholic.
Am J Med 54:211-21, Feh 73
Massive retrosternal goitre presenting with hypertension. Holden MP, et al.
Thorax 27:772-4, Nov 72

DIAGNOSIS

A comparison of technetium 99M and iodine 123 for thyroid imaging. Atkins HL, et al.
Am J Roentgenol Radium Ther Nucl Med 117:195-201, Jan 73
Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al.
JAMA 223:761-3, 12 Feb 73
Solitary thyroid nodules in 30 children and report of a child with a thyroid ahscess. Kirkland RT, et al.
Pediatrics 51:85-90, Jan 73
Thyroid scanning. Shanks JR.
Postgrad Med 53:198, Feb 73
The autonamous thyroid nodule: correlation of scan appearance and histopathology. Campbell WL, et al.
Radiology 107:133-8, Apr 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73
[Puncture diagnosis in thyroid diseases] Junginger T, et al.
Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) (Ger)

ENZYMOLOGY

[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)

ETIOLOGY

Precipitating factors in hyperthyroidism. Forteza ME.
Geriatrics 28:123-6, Feb 73

IMMUNOLOGY

Lymphocyte transformation with thyroglobulin in thyroid diseases. Delespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72

METABOLISM

[The absolute concentration of thyroglobulin and other proteins in the thyroid gland under normal conditions and in thyroid pathology] Saatov T.
Probl Endokrinol (Mosk) 18:81-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

PATHOLOGY

The autonamous thyroid nodule: correlation of scan appearance and histopathology. Campbell WL, et al.
Radiology 107:133-8, Apr 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73

SURGERY

Massive retrosternal goitre presenting with hypertension. Holden MP, et al.
Thorax 27:772-4, Nov 72
[Neck strangulation syndrome following surgery on the thyroid gland] Vinnik LF.
Vestn Khir 108:53-7, Jul 72 (Eng. Abstr.) (Rus)

GOITER, SUBSTERNAL

COMPLICATIONS

[Endothoracic goiter] Jachmann M.
Z Erkr Atmungsorgane 137:43-7, 1972 (Ger)
[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al.
Rev Assoc Med Bras 18:457-62, Nov 72 (Eng. Abstr.) (Por)

DIAGNOSIS

A comparison of technetium 99M and iodine 123 for thyroid imaging. Atkins HL, et al.
Am J Roentgenol Radium Ther Nucl Med 117:195-201, Jan 73
[Endothoracic goiter] Jachmann M.
Z Erkr Atmungsorgane 137:43-7, 1972 (Ger)
[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al.
Rev Assoc Med Bras 18:457-62, Nov 72 (Eng. Abstr.) (Por)

RADIOGRAPHY

[Intratboracic goiter] Oijen JA van.
Ned Tijdschr Geneeskd 116:1933-40, 21 Oct 72 (Eng. Abstr.) (Dut)
[Endothoracic goiter] Jachmann M.
Z Erkr Atmungsorgane 137:43-7, 1972 (Ger)
[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al.
Rev Assoc Med Bras 18:457-62, Nov 72 (Eng. Abstr.) (Por)

SURGERY

[Intrathoracic goiter] Oijen JA van.
Ned Tijdschr Geneeskd 116:1933-40, 21 Oct 72 (Eng. Abstr.) (Dut)
[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al.
Rev Assoc Med Bras 18:457-62, Nov 72 (Eng. Abstr.) (Por)

HYPERTHYROIDISM

Hyperthyroidism in children and young adolescents: a clinical profile--problems in diagnosis and management. Gupta SP, et al.
J Assoc Physicians India 20:737-43, Oct 72
Direct evidence for human thyroidal stimulation by LATS-protector. Shisbiba Y, et al.
J Clin Endocrinol Metab 36:517-21, Mar 73
T3 hyperthyroidism. Wabner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

BLOOD

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB.
Acta Endocrinol (Kbh) 72:443-52, Mar 73
Serum propylthiouracil: determination by a direct colorimetric procedure. Ratliff CR, et al.
Clin Chem 18:1373-5, Nov 72
Interlaboratory and intralaboratory comparison of T 3 -uptake methodology. Spierto FW, et al.
Clin Chem 18:1355-9, Nov 72
Hormonal influences on the concentration of tyrosine in blood. Lange WE de, et al.
Clin Chim Acta 42:21-7, Nov 72
Plasma catecholamines in hypothyroidism and hyperthyroidism. Stoffer SS, et al.
J Clin Endocrinol Metab 36:587-9, Mar 73
Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Abreau CM, et al. **J Nucl Med 14:159-63, Mar 73**
Triglyceride metabolism in thyroid disease. Tulloch BR, et al. **Lancet 1:391-4, 24 Feb 73**
Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res 7:28-38, Jan 73**
The plasma insulin response to arginine infusion in six non-diabetic patients given an acute overload of thyroid hormone. Modigliani E, et al.
Rev Eur Etud Clin Biol 17:619-22, Jun-Jul 72
[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al.
Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)
[Evaluation of thyroid gland function test using thyropac-3-test based on binding of serum protein to thyroid hormones] Shimokawa T, et al.
Clin Endocrinol (Tokyo) 20:1111-5, Dec 72 (Jap)
[Circadian fluctuations in thyroid hormone levels] Yoshimura M, et al.
Clin Endocrinol (Tokyo) 20:725-9, Sep 72 (Jap)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)
[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al.
Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)
[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)
[Binding capacity of radioactive triiodothyronine among Indians of Alto Xingu] Vieira Filho JP, et al.
Rev Assoc Med Bras 18:471-4, Dec 72 (Eng. Abstr.) (Por)
[The serum lactate dehydrogenase isoenzyme spectrum and electrolyte turnover in thyrotoxicosis] Kononenko VIa, et al.
Kardiologiia 12:92-7, Nov 72 (Rus)
[The value of determining free serum tyrosine in thyroid diseases] Lerkh EE.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

The effect of hyperthyroidism on rat atria intracellular potentials. Pathomvanich O, et al.
Horm Metab Res 4:493-7, Nov 72
Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. **J Biol Chem 248:1329-33, 25 Feb 73**
[Syndrome of "malignant thyrotoxicosis" after massive absorption of tincture of iodine: clinical, biologic and anatomo-pathologic study] Bertrand A, et al.
Eur J Toxicol 5:52-8, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Changes in various indices of cholinergic activity in rabbits with thyrotoxicosis] Khitrov NK, et al.
Probl Endokrinol (Mosk) 18:90-3, Nov-Dec 72 (Eng. Abstr.) (Rus)
[ATP-ase and RNA-ase activity in the liver and the concentration of potassium and sodium in white rats with experimental thyroidin toxicosis] Kovtuniak NA, et al.

Probl Endokrinol (Mosk) 18:86-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

CLASSIFICATION

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

COMPLICATIONS

Endoscopic pancreato-cholangiography. A preliminary report on technique and diagnostic significance. Okuda K, et al.
Am J Roentgenol Radium Ther Nucl Med 117:437-45, Feb 73

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. Br Med J 1:41-3, 6 Jan 73

Surgical treatment of dysthyroid restriction syndromes. Pratt-Johnson JA, et al.
Can J Ophthalmol 7:405-12, Oct 72

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

Massive articular osteolysis in rheumatoid arthritis, treated by total hip replacement. Case report and review of literature. Kennedy WR, et al.
Clin Orthop 90:161-73, Jan-Feb 73

Muscle dysfunction in thyroid diseases. Rastogi GK.
J Assoc Physicians India 20:382-4, May 72

Hyperthyroidism induced by tropboblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

[Rare combination of hyperthyreosis with malignant goiter] Köle W, et al. Chirurg 44:55-7, Feb 73 (Ger)

[Diabetes associated with endocrine diseases] Shima K, et al. Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)

[Myopathy caused by endocrine diseases] Shishiba Y.
Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) (Jap)

[Appathetic thyrotoxicosis] Drivenes A, et al.
Tidsskr Nor Laegeforen 92:1857-8, 10 Oct 72 (Nor)

[The relationship of the malate and lactate enzyme shunts in the cytostructures of the thyrotoxic heart] Stroev EA.
Kardiologiia 12:97-100, Nov 72 (Eng. Abstr.) (Rus)

[Thyrotoxic heart (pathogenesis, clinical picture, diagnosis, treatment)] Rom-Bugoslavskaia ES, et al.
Probl Endokrinol (Mosk) 18:55-7, Nov-Dec 72 (Rus)

CONGENITAL

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)

DIAGNOSIS

Achilles reflex in thyroid disorders: a 10-year clinical evaluation. Shafer RB, et al.
Am J Med Sci 264:313-7, Oct 72

PBI-ETR for routine screening of thyroid function. Boss M, et al. Br Med J 1:352, 10 Feb 73

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. Br Med J 1:41-3, 6 Jan 73

Surgical treatment of dysthyroid restriction syndromes. Pratt-Johnson JA, et al.
Can J Ophthalmol 7:405-12, Oct 72

The diagnosis utility of the QK d interval in thyroid disease. Skibinsky J, et al.
Horm Metab Res 4:371-3, Sep 72

The value of the suppression test in patients with goitre. Poulose KP, et al.
Indian J Med Sci 26:819-22, Dec 72

Hyperthyroidism in children and young adolescents: a clinical profile--problems in diagnosis and management. Gupta SP, et al.
J Assoc Physicians India 20:737-43, Oct 72

Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake. Talukdar CK, et al.
J Assoc Physicians India 20:551-60, Aug 72

Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Ahreau CM, et al. J Nucl Med 14:159-63, Mar 73

Arteriovenous difference: a systematic error of early phase thyroidal clearance measurement. Gray HW, et al. J Nucl Med 14:238-9, Apr 73

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73

Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al.
JAMA 223:761-3, 12 Feb 73

A new hospital letter for the specialist clinic. The thyroid clinic. Boyle CM, et al.
Lancet 1:249-51, 3 Feb 73

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test. Höschl R, et al.
Nucl Med (Stuttg) 11:317-23, 30 Dec 72

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al.
S Afr Med J 47:266-9, 17 Feb 73

The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73

[Autonomous thyroid adenoma in an endemic goitre region] Pohl G, et al.
Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) (Ger)

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)

[Serum triiodothyronine concentration in autonomic thyroid gland adenoma] Botsch H, et al.
Munch Med Wochenschr 114:2181-3, 15 Dec 72 (Ger)

[Puncture diagnosis in thyroid diseases] Junginger T, et al.
Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) (Ger)

[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 (Jap)

[Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)] Inada M, et al.
Jap J Nucl Med 9:475-81, Oct 72 (Eng. Abstr.) (Jap)

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 (Pol)

[Thyrotoxic heart (pathogenesis, clinical picture, diagnosis, treatment)] Rom-Bugoslavskaia ES, et al.
Probl Endokrinol (Mosk) 18:55-7, Nov-Dec 72 (Rus)

[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al.
Lakartidningen 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)

DRUG THERAPY

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB.
Acta Endocrinol (Kbh) 72:443-52, Mar 73

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. Br Med J 1:41-3, 6 Jan 73

Serum propylthiouracil: determination by a direct colorimetric procedure. Ratliff CR, et al.
Clin Chem 18:1373-5, Nov 72

Hyperthyroidism in children and young adolescents: a clinical profile--problems in diagnosis and management. Gupta SP, et al.
J Assoc Physicians India 20:737-43, Oct 72

Methimazole-induced jaundice. Fischer MG, et al.
JAMA 223:1028-9, 26 Feb 73

A new hospital letter for the specialist clinic. The thyroid clinic. Boyle CM, et al.
Lancet 1:249-51, 3 Feb 73

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)

[Thyreogenic hazards in recently operated patients] Friedlaender K, et al.
Med Welt 24:291-3, 23 Feb 73 (Ger)

[The role of thyroid hormones in inducing the effects of hydrocortisone and insulin] Stroev EA, et al.
Farmakol Toksikol 35:744-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

[The relationship of the malate and lactate enzyme shunts in the cytostructures of the thyrotoxic heart]

Stroev EA.
Kardiologiia 12:97-100, Nov 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

[Serum enzyme levels of intestinal alkaline phosphatases in hyperthyreosis] Ohlen J, et al. Klin Wochenschr 51:143-4, 1 Feb 73 (Eng. Abstr.) (Ger)

[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)

[Monoamine oxidase (MAO) isozyme] Ono T, et al.
Jap J Clin Pathol 20:Suppl:26, 1972 (Jap)

[The role of thyroid hormones in inducing the effects of hydrocortisone and insulin] Stroev EA, et al.
Farmakol Toksikol 35:744-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

[The serum lactate dehydrogenase isoenzyme spectrum and electrolyte turnover in thyrotoxicosis] Kononenko VIa, et al.
Kardiologiia 12:92-7, Nov 72 (Rus)

[The relationship of the malate and lactate enzyme shunts in the cytostructures of the thyrotoxic heart] Stroev EA.
Kardiologiia 12:97-100, Nov 72 (Eng. Abstr.) (Rus)

ETIOLOGY

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

[Thyreogenic hazards in recently operated patients] Friedlaender K, et al.
Med Welt 24:291-3, 23 Feb 73 (Ger)

FAMILIAL & GENETIC

Graves' disease and Hashimoto's thyroiditis in monozygous twins. Chertow BS, et al.
Acta Endocrinol (Kbh) 72:18-24, Jan 73

HISTORY

Thyroid eponymy. (Parry CH), (Osler W), Poster MF.
N Engl J Med 288:422, 22 Feb 73

IMMUNOLOGY

[Immunologic thyroid gland diseases] Lamberg BA.
Duodecim 89:182-91, 1973 (Fin)

METABOLISM

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al.
Acta Histochem (Jena) 43:1-7, 1972

The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73

Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73

Alteration in elemental body composition in thyroid disorders. Cohn SH, et al.
J Clin Endocrinol Metab 36:742-9, Apr 73

Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 82:284-6, Feb 73

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

[Studies on insulinemia in Graves-Basedow disease] Sieradzki J, et al.
Przegl Lek 29:872-7, 1972 (Eng. Abstr.) (Pol)

[Nomogram for calculating the optimal air temperature in rooms for long-term accommodation of patients with thyrotoxicosis] Smolianskiĭ GB, et al.
Gig Sanit 37:94-6, Aug 72 (Rus)

[The serum lactate dehydrogenase isoenzyme spectrum and electrolyte turnover in thyrotoxicosis] Kononenko VIa, et al.
Kardiologiia 12:92-7, Nov 72 (Rus)

[Changes in various indices of cholinergic activity in rabbits with thyrotoxicosis] Khitrov NK, et al.
Probl Endokrinol (Mosk) 18:90-3, Nov-Dec 72 (Eng. Abstr.) (Rus)

[ATP-ase and RNA-ase activity in the liver and the concentration of potassium and sodium in white rats with experimental thyroidin toxicosis] Kovtuniak NA, et al.
Probl Endokrinol (Mosk) 18:86-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

OCCURRENCE

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. Br Med J 1:41-3, 6 Jan 73

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

PATHOLOGY

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73

The intestinal mucosa in thyrotoxicosis: a light and electron microscopic assessment. Ferris JA.
Ir J Med Sci 141:3-10, Jan-Mar 72

[Syndrome of "malignant thyrotoxicosis" after massive absorption of tincture of iodine: clinical, biologic and anatomo-pathologic study] Bertrand A, et al.
Eur J Toxicol 5:52-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

The effect of hyperthyroidism on rat atria intracellular potentials. Pathomvanich O, et al.
Horm Metab Res 4:493-7, Nov 72

The diagnosis utility of the QK d interval in thyroid disease. Skibinsky J, et al.
Horm Metab Res 4:371-3, Sep 72

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al.
Hormones 3:250-6, 1972

Hyperthyroidism with a functioning nodule. Kool PV.
J Iowa Med Soc 63:111-3, Mar 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

[Triiodothyronine-binding index in patients with progressive muscular dystrophy] Mularek J, et al.
Neurol Neurochir Pol 7:47-50, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Studies of small vessels of the skin in some chronic diseases in children] Sztachelska I.
Pediatr Pol 48:39-49, Jan 73 (Eng. Abstr.) (Pol)

[Assessment of the cardiovascular system in young patients with hyperthyroidism] Barańska H, et al.
Pol Tyg Lek 28:173-5, 29 Jan 73 (Eng. Abstr.) (Pol)

[Use of apexcardiography in the examination of left ventricle work in patients with hyperthyroidism] Rostafińska J, et al.
Pol Tyg Lek 28:123-5, 22 Jan 73 (Eng. Abstr.) (Pol)

[The serum lactate dehydrogenase isoenzyme spectrum and electrolyte turnover in thyrotoxicosis] Kononenko VIa, et al.
Kardiologiia 12:92-7, Nov 72 (Rus)

[Changes in various indices of cholinergic activity in rabbits with thyrotoxicosis] Khitrov NK, et al.
Probl Endokrinol (Mosk) 18:90-3, Nov-Dec 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Endoscopic pancreato-cholangiography. A preliminary report on technique and diagnostic significance. Okuda K, et al.
Am J Roentgenol Radium Ther Nucl Med 117:437-45, Feb 73

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

Primary hyperthyroidism. Report of 3 cases with emphasis on roentgenographic findings in the maxillofacial region. Mural T, et al.
Dentomaxillofac Radiol 1:16-8, 1972

RADIOTHERAPY

Genetic studies upon patients treated with isotopes. Válkova G. Folia Med (Plovdiv) 14:153-62, 1972

[Influence of 131 I radioiodine treatment during various thyroid diseases on the lymphocyte karyotype (preliminary results)] Biein JP, et al.

Ann Endocrinol (Paris) 33:231-41, May-Jun 72 (Eng. Abstr.) (Fre)
[Reduced dosage of 131 I in the treatment of hyperthyroidism. 2] Hara M, et al.
Jap J Clin Radiol 18:107-10, Feb 73 (Jap)

SURGERY

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73
Preparation of hyperthyroidism using a beta-adrenergic blocker "Trasicor". Ibrahim H, et al.
Bull Soc Int Chir 31:510-3, Nov-Dec 72
Hyperthyroidism in children and young adolescents: a clinical profile--problems in diagnosis and management. Gupta SP, et al.
J Assoc Physicians India 20:737-43, Oct 72
Hyperthyroidism with a functioning nodule. Kool PV.
J Iowa Med Soc 63:111-3, Mar 73
[New aspects in goiter surgery] Roth H.
Helv Chir Acta 39:733-6, Dec 72 (Ger)

THERAPY

A new hospital letter for the specialist clinic. The thyroid clinic. Boyle CM, et al.
Lancet 1:249-51, 3 Feb 73
T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)
[Balneology and climate therapy in hyperthyroidism] Milcu SM, et al.
Stud Cercet Endocrinol 24:109-13, 1973 (Rum)

VETERINARY

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

HYPOTHYROIDISM

BLOOD

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72
Some contributions to metabolic relationships of uric acid. Blahoš J. Beitr Rheumatol 18:16-21, 1972
Interlaboratory and intralaboratory comparison of T 3 -uptake methodology. Spierto FW, et al.
Clin Chem 18:1355-9, Nov 72
Hormonal influences on the concentration of tyrosine in blood. Lange WE de, et al.
Clin Chim Acta 42:21-7, Nov 72
Plasma catecholamines in hypothyroidism and hyperthyroidism. Stoffer SS, et al.
J Clin Endocrinol Metab 36:587-9, Mar 73
Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Ahreau CM, et al. J Nucl Med 14:159-63, Mar 73
Serum-thyrotrophin and hypercholesterolaemia. Hedstrand H, et al. Lancet 1:490, 3 Mar 73
Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73
[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al.
Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)
[Evaluation of thyroid gland function test using thyropac-3-test based on binding of serum protein to thyroid hormones] Shimokawa T, et al.
Clin Endocrinol (Tokyo) 20:1111-5, Dec 72 (Jap)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)
[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al.
Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)
[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)
[The value of determining free serum tyrosine in thyroid diseases] Lerkh EE.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Eng. Abstr.) (Rus)
[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI.
Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72
Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens. Jolin T.
Hormones 3:31-5, 1972
Hypervitaminosis E in the chick. March BE, et al.
J Nutr 103:371-7, Mar 73
[Histochemical and biochemical study of the effects of thyroid deficiency and of thyroxine on the development of cholinesterase activity in the cerebellum of young rats] Clos J.
C R Acad Sci [D] (Paris) 275:2917-20, 18 Dec 72 (Fre)
[Quantitative data on synaptogenesis in the cerebellum of the normal rat and of the propylthiouracil-induced hypothyroid rat] Rehière A, et al.
C R Acad Sci [D] (Paris) 274:3581-4, 26 Jun 72 (Fre)
[Lithium treatment and hypothyroidism] Fagerberg SE, et al.
Lakartidningen 69:6055-8, 13 Dec 72 (Eng. Abstr.) (Swe)

CLASSIFICATION

[Anatomical dysgenesis of the thyroid gland. Considerations on 49 cases] Póvoa LC, et al.
Rev Assoc Med Bras 18:483-8, Dec 72 (Eng. Abstr.) (Por)

COMPLICATIONS

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972
Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al.
Am J Dis Child 125:293-5, Feb 73
Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. Arch Dis Child 47:914-23, Dec 72
Some contributions to metabolic relationships of uric acid. Blahoš J. Beitr Rheumatol 18:16-21, 1972
IgG cryoglobulinemia associated with amyloidosis. Maldonado JE, et al. Blood 41:569-76, Apr 73
Coexisting Klinefelter's syndrome and primary hypothyroidism with an enlarged pituitary fossa. Drury MI, et al. Ir J Med Sci 141:19-24, Jan-Mar 72
Muscle dysfunction in thyroid diseases. Rastogi GK.
J Assoc Physicians India 20:382-4, May 72
Mild hypothyroidism and its effects on the larynx. Bicknell PG. J Laryngol Otol 87:123-7, Feb 73
Effects of hypothyroidism on the differentiation of neurons and glia in developing rat cerebrum. Bass NH, et al. J Neurol Sci 18:155-73, Feb 73
[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)
[Too seldom diagnosed: "hypothyroidism"] Hennemann HH, et al.
Munch Med Wochenschr 115:95-8, 26 Jan 73 (Eng. Abstr.) (Ger)
[The hypothyroid heart] Katana A, et al.
Orv Hetil 114:432-5, 25 Feb 73 (Hun)
[Myopathy caused by endocrine diseases] Shishiba Y.
Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) (Jap)
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.

Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

[Hypothyroidism and precocious testicular maturation. Report of a case and review of the literature] Cordero GL, et al.
Rev Clin Esp 128:83-8, 15 Jan 73 (Eng. Abstr.) **(Spa)**

[The importance of salivation disturbances to dental caries] Frostell G.
Sven Tandlak Tidskr 66:69-80, Jan 73 **(Swe)**

CONGENITAL

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

Screening for congenital hypothyroidism in the newborn. Taranger J, et al. **Lancet** 1:487, 3 Mar 73

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 **(Ger)**

DIAGNOSIS

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci** 264:495-8, Dec 72

Achilles reflex in thyroid disorders: a 10-year clinical evaluation. Shafer RB, et al.
Am J Med Sci 264:313-7, Oct 72

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

PBI-ETR for routine screening of thyroid function. Boss M, et al. **Br Med J** 1:352, 10 Feb 73

Hypothyroidism in the elderly. Lloyd TW.
Br Med J 4:489, 25 Nov 72

Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake. Talukdar CK, et al.
J Assoc Physicians India 20:551-60, Aug 72

Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Ahreau CM, et al. **J Nucl Med** 14:159-63, Mar 73

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. **J Pediatr** 82:187-91, Feb 73

Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 82:284-6, Feb 73

Screening for congenital hypothyroidism in the newborn. Taranger J, et al. **Lancet** 1:487, 3 Mar 73

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the TSH stimulation test. Höschl R, et al.
Nucl Med (Stuttg) 11:324-32, 30 Dec 72

Thyroid function assessment. Birnbaum MD.
Obstet Gynecol 41:315-7, Feb 73

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al.
S Afr Med J 47:266-9, 17 Feb 73

The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 **(Ger)**

[Too seldom diagnosed: "hypothyroidism"] Hennemann HH, et al.
Munch Med Wochenschr 115:95-8, 26 Jan 73 (Eng. Abstr.) **(Ger)**

[Hyperlipemia] Nakamura H.
Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) **(Jap)**

[Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)] Inada M, et al.
Jap J Nucl Med 9:475-81, Oct 72 (Eng. Abstr.) **(Jap)**

[Lithium treatment and hypothyroidism] Fagerberg SE, et al.
Lakartidningen 69:6055-8, 13 Dec 72 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci** 264:495-8, Dec 72

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci** 264:499-505, Dec 72

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

Mild hypothyroidism and its effects on the larynx. Bicknell PG. **J Laryngol Otol** 87:123-7, Feb 73

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 **(Ger)**

ENZYMOLOGY

[Histochemical and biochemical study of the effects of thyroid deficiency and of thyroxine on the development of cholinesterase activity in the cerebellum of young rats] Clos J.
C R Acad Sci [D] (Paris) 275:2917-20, 18 Dec 72 **(Fre)**

[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) **(Jap)**

[Effect of hydrocortisone and insulin on tissue enzymes in conditions of hyperthyreosis] Stroev EA, et al.
Farmakol Toksikol 36:89-92, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972

Quantitative electron microscopic description of heart muscle cells. Application to normal, hypertrophied and thyroxin-stimulated hearts. Page E, et al.
Am J Cardiol 31:172-81, Feb 73

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

The Vanderbilt experience with I 131 treatment for Graves' disease. Douglas JG.
South Med J 66:92-4, Jan 73

[Prevention with dimethylbiguanide of thyroid changes caused by an atherogenic diet in rabbits] Marquié G, et al.
J Physiol (Paris) 65:Suppl:270A-271, Oct 72 **(Fre)**

[Risk of late hypothyroidism following iodine isotope treatment in Graves-Basedow hyperthyroidism. Statistical study for a 10,000 rads dose and 10-year follow-up] Massin JP, et al.
Pathol Biol (Paris) 20:965-77, Dec 72 (Eng. Abstr.) **(Fre)**

[Anatomical dysgenesis of the thyroid gland. Considerations on 49 cases] Póvoa LC, et al.
Rev Assoc Med Bras 18:483-8, Dec 72 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child** 47:914-23, Dec 72

IMMUNOLOGY

[Acquired hypothyreosis of autoimmune genesis in 2 children] Dorofeeva GD, et al.
Probl Endokrinol (Mosk) 18:46-8, Jul-Aug 72 **(Rus)**

METABOLISM

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci** 264:499-505, Dec 72

The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73

Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens. Jolin T.
Hormones 3:31-5, 1972

Alteration in elemental body composition in thyroid disorders. Cohn SH, et al.
J Clin Endocrinol Metab 36:742-9, Apr 73

Effects of hypothyroidism on the differentiation of neurons and glia in developing rat cerebrum. Bass NH, et al. **J Neurol Sci** 18:155-73, Feb 73

Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 62:264-6, Feb 73
Preclinical hypothyroidism and coronary-artery disease. Fowler PB, et al. Lancet 1:558, 10 Mar 73

OCCURRENCE

[Too seldom diagnosed: "hypothyroidism"] Hennemann HH, et al.
Munch Med Wochenschr 115:95-8, 26 Jan 73 (Eng. Abstr.) (Ger)

PATHOLOGY

Quantitative electron microscopic description of heart muscle cells. Application to normal, hypertrophied and thyroxin-stimulated hearts. Page E, et al.
Am J Cardiol 31:172-81, Feb 73
Effects of thyroxin on ultrastructure of rat myocardial cells: a stereological study. McCallister LP, et al.
J Ultrastruct Res 42:136-55, Jan 73

PHYSIOPATHOLOGY

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972
Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 26:173-200, 1972
[Quantitative data on synaptogenesis in the cerebellum of the normal rat and of the propylthiouracil-induced hypothyroid rat] Rehière A, et al.
C R Acad Sci [D] (Paris) 274:3581-4, 26 Jun 72 (Fre)
[Corrective treatment of Angle class, II, div. 1 in the light of modern knowledge of orofacial bio-orthodontics] Gianni E.
Mondo Odontostomatol 14:402-7, May-Jun 72 (Ita)
[Triiodothyronine-binding index in patients with progressive muscular dystrophy] Mularek J, et al.
Neurol Neurochir Pol 7:47-50, Jan-Feb 73 (Eng. Abstr.) (Pol)
[A mechanism of the changes in vascular reactivity in thyroid hypofunction and in thyroxine loading in animals] Prokof'eva LI.
Probl Endokrinol (Mosk) 18:82-6, Jul-Aug 72 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)
[Prevention with dimethylbiguanide of thyroid changes caused by an atherogenic diet in rabbits] Marquié G, et al.
J Physiol (Paris) 65:Suppl:270A-271, Oct 72 (Fre)

RADIOGRAPHY

Screening for congenital hypothyroidism in the newborn. Taranger J, et al. Lancet 1:487, 3 Mar 73

SURGERY

[New aspects in goiter surgery] Roth H.
Helv Chir Acta 39:733-6, Dec 72 (Ger)

THERAPY

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI.
Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

URINE

Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73

VETERINARY

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

MYXEDEMA

Hoffmann's syndrome (hypothyroid myopathy). Chopra BK, et al.
J Assoc Physicians India 20:387-90, May 72

BLOOD

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73
Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73
[Thyroid acropachy with an abnormally high concentration of long acting thyroid stimulator] Momotani N, et al.
Clin Endocrinol (Tokyo) 20:649-53, Aug 72 (Jap)

CHEMICALLY INDUCED

Possible synergism between iodine and lithium carbonate. Jorgensen JV, et al.
JAMA 223:192-3, 8 Jan 73
[A case of reversible myxedema induced by lithium] Brandrup FO.
Ugeskr Laeger 134:2710-2, 18 Dec 72 (Eng. Abstr.) (Dan)
[Lithium treatment and hypothyroidism] Fagerherg SE, et al.
Lakartidningen 69:6055-8, 13 Dec 72 (Eng. Abstr.) (Swe)

COMPLICATIONS

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73
[Clinical features of pleural diseases] Seidel H.
Prax Pneumol 26:612-20, Nov 72 (Eng. Abstr.) (Ger)
[The hypothyroid heart] Katana A, et al.
Orv Hetil 114:432-5, 25 Feb 73 (Hun)
[Studies of growth dystrophies] Florea I, et al.
Stud Cercet Endocrinol 23:411-6, 1972 (Rum)
[Hypertrophic myopathy and neuropathy in myxedema (clinical and neurophysiological aspects)] Esteban A, et al. Rev Clin Esp 127:783-94, 15 Nov 72 (Spa)

DIAGNOSIS

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
[Biermer's anemia--coma perniciosum] Knap J.
Psychiatr Pol 6:675-60, Nov-Dec 72 (37 ref.) (Pol)

DRUG THERAPY

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
Intravenous L-thyroxine. Klein RF.
Ann Intern Med 78:306, Feb 73

ENZYMOLOGY

Elevated creatinephosphokinase in myxedema. Cohn RE, et al. Pa Med 76:54-5, Feb 73

METABOLISM

In vitro studies of 99m Tc-pertechnetate binding by human serum and tissues. Hays MT, et al.
J Nucl Med 14:149-56, Mar 73
[Ultrastructure of localized myxedema] Asagami C.
Jap J Dermatol [A] 82:694-703, Sep 72 (Jap)

PATHOLOGY

[Ultrastructure of localized myxedema] Asagami C.
Jap J Dermatol [A] 82:694-703, Sep 72 (Jap)

PHYSIOPATHOLOGY

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

RADIOGRAPHY

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

THYROID CRISIS

ETIOLOGY

[Thyreogenic hazards in recently operated patients] Friedlaender K, et al.
Med Welt 24:291-3, 23 Feb 73 (Ger)

THYROID DISEASES

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73

BLOOD

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73
Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73
[Seasonal variations of the Protein-Bound Iodine (PBI) values in plasma] Röhling S, et al.
Vnitr Lek 19:135-41, Feb 73 (Eng. Abstr.) (Cze)
[Radioimmunoassay of T3 using thyroid hormone binding antibody] Yatani T, et al.
Clin Endocrinol (Tokyo) 20:863-8, Oct 72 (Jap)
[The value of determining free serum tyrosine in thyroid diseases] Lerkh EE.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Eng. Abstr.) (Rus)

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
Unilateral exophthalmos. Aetiological study of 85 cases. Zakharia HS, et al.
Br J Ophthalmol 56:678-86, Sep 72
Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73
Muscle dysfunction in thyroid diseases. Rastogi GK.
J Assoc Physicians India 20:382-4, May 72

DIAGNOSIS

A comparison of technetium 99M and iodine 123 for thyroid imaging. Atkins HL, et al.
Am J Roentgenol Radium Ther Nucl Med 117:195-201, Jan 73
The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)
In vitro RBC uptake of radio-triiodothyronine as a useful thyroid function test in Indian patients. II. Talukdar CK, et al. Indian J Med Res 60:1621-8, Nov 72
The value of percutaneous thyroid biopsy. Sainani GS, et al. J Assoc Physicians India 20:733-6, Oct 72
Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake. Talukdar CK, et al.
J Assoc Physicians India 20:551-60, Aug 72
Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73
Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. J Pediatr 82:1-9, Jan 73 (62 ref.)
Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al.
JAMA 223:761-3, 12 Feb 73
Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Kirkland RT, et al.
Pediatrics 51:85-90, Jan 73
Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73
Thyroid scanning. Shanks JR.
Postgrad Med 53:198, Feb 73
Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al.
S Afr Med J 47:266-9, 17 Feb 73
Radionuclide evaluation of thyroid disease in children. Greig WR. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)
[Immunologic thyroid gland diseases] Lamberg BA.
Duodecim 89:182-91, 1973 (Fin)
[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al.
Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)
[New procedures for thyroid gland exploration] Lemarchand-Béraud T. Praxis 62:3-5, 3 Jan 73 (Fre)
[Puncture diagnosis in thyroid diseases] Junginger T, et al.
Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) (Ger)
[Res-O-Mat ETR (effective thyroxine ratio) test] Hasegawa H, et al.
Clin Endocrinol (Tokyo) 20:883-6, Oct 72 (Jap)
[Thyroid lymphography] Zakrzewski M.
Pol Tyg Lek 27:1965-8, 11 Dec 72 (Eng. Abstr.) (Pol)
[Thyroidectomy in the treatment of different forms of single thyroid nodule] Angelescu E, et al.
Chirurgia (Bucur) 22:259-68, Mar 73 (Eng. Abstr.) (Rum)
[Possibilities for use of the multiplex scanning diagnostic apparatus Obzor-100 under clinical conditions] Bogin IuN, et al.
Med Tekh 1:43-6, Jan-Feb 72 (Rus)
[Possible use of labeled compounds for studying iodine and thyroid hormone metabolism in clinical practice] Mirkhodzhaev AKh.
Probl Endokrinol (Mosk) 18:25-9, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Thyroid echography, Preliminary report] Bonilla-Musoles F, et al.
Rev Clin Esp 128:75-8, 15 Jan 73 (Eng. Abstr.) (Spa)
[Clinical study on 42 thyroidectomized patients] Naranjo Gómez A, et al.
Rev Clin Esp 128:27-34, 15 Jan 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73

ETIOLOGY

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73

IMMUNOLOGY

Lymphocyte transformation with thyroglobulin in thyroid diseases. Delespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72
Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73
[Immunologic thyroid gland diseases] Lamberg BA.
Duodecim 89:182-91, 1973 (Fin)

METABOLISM

Sweat electrolytes in thyroid disorders. Strickland AL.
J Pediatr 82:284-6, Feb 73
Triglyceride metabolism in thyroid disease. Sanderson C. Lancet 1:547, 10 Mar 73
Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73

PATHOLOGY

The value of percutaneous thyroid biopsy. Sainani GS, et al. J Assoc Physicians India 20:733-6, Oct 72
Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Kirkland RT, et al.
Pediatrics 51:85-90, Jan 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73
[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcı C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)

PHYSIOPATHOLOGY

Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73

RADIOGRAPHY

[Biselective thyroid angiography] Dupuy JP, et al.
Bord Med 5:1449-62, Jun 72 (Eng. Abstr.) (Fre)

SURGERY

Improved methods for thyroid scanning. A correlation

with surgical findings. Maisey MN, et al. **JAMA 223:761-3, 12 Feb 73**

[Thyroidectomy in the treatment of different forms of single thyroid nodule] Angelescu E, et al. **Chirurgia (Bucur) 22:259-68, Mar 73 (Eng. Abstr.) (Rum)**

[Clinical study on 42 thyroidectomized patients] Naranjo Gómez A, et al. **Rev Clin Esp 128:27-34, 15 Jan 73 (Eng. Abstr.) (Spa)**

THERAPY

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res 7:28-38, Jan 73**

VETERINARY

The thyroid gland--a review. Mason R, et al. **Aust Vet J 49:44-9, Jan 73 (52 ref.)**

THYROID GLAND

ABNORMALITIES

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child 47:914-23, Dec 72**

Median ectopic thyroid gland. Pulito AR, et al. **J Pediatr Surg 8:73-4, Feb 73**

[Thyroid gland at the root of the tongue] Hara M. **Clin Endocrinol (Tokyo) 20:739-41, Sep 72 (Jap)**

[Congenital unilateral aplasia of the thyroid lobe] Harada S, et al. **Clin Endocrinol (Tokyo) 20:743-6, Sep 72 (Jap)**

[Anatomical dysgenesis of the thyroid gland. Considerations on 49 cases] Póvoa LC, et al. **Rev Assoc Med Bras 18:483-8, Dec 72 (Eng. Abstr.) (Por)**

THYROID NEOPLASMS

Medullary carcinoma of the thyroid. Hill CS Jr. **Am Fam Physician 7:99-105, Feb 73**

The use of methylmethacryiate as an adjunct in the internal fixation of malignant neoplastic fractures. Harrington KD, et al. **J Bone Joint Surg [Am] 54:1665-76, Dec 72**

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. **Medicine (Baltimore) 52:141-71, Mar 73**

Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J 72:97-100, Mar 72**

[Effect of 25-HCC in a hypocalcemic patient with active metastases from an operated thyroid medullary tumor] Miravet L, et al. **Ann Endocrinol (Paris) 33:270-1, May-Jun 72 (Eng. Abstr.) (Fre)**

[Thyroid cancer in five-year-old boy: report of a case] Motoo O, et al. **Nippon Acta Radiol 32:684-8, Nov 72 (Eng. Abstr.) (Jap)**

BLOOD

Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma. Jaffe BM, et al. **J Clin Invest 52:398-405, Feb 73**

Relations of calcitonin and gastrin in the Zollinger-Ellison syndrome and medullary carcinoma of the thyroid. Sizemore GW, et al. **N Engl J Med 288:641-4, 29 Mar 73**

[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al. **Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)**

[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al. **Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)**

CLASSIFICATION

Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J 72:97-100, Mar 72**

[Surgical-radiologic combination therapy of malignant thyroid neoplasms] Heissen E, et al. **Chirurg 44:49-52, Feb 73 (Eng. Abstr.) (Ger)**

COMPLICATIONS

Medullary carcinoma of the thyroid. Hill CS Jr. **Am Fam Physician 7:99-105, Feb 73**

New techniques in the diagnosis and treatment of hypertension. Weinberger MH. **J Indiana State Med Assoc 66:95-9, Feb 73**

Metastatic tumors to the mouth: report of two cases. al-Ani S. **J Oral Surg 31:120-2, Feb 73**

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. **Medicine (Baltimore) 52:141-71, Mar 73**

Multiple mucosal neuromas, pheochromocytoma, medullary carcinoma of the thyroid and marfanoid body build with muscle wasting. Syndrome of hyperplasia and neoplasia of neural crest derivatives--an unitarian concept. Gorlin RJ, et al. **Z Kinderheilkd 113:313-25, 1972**

[Rare combination of hyperthyreosis with malignant goiter] Köle W, et al. **Chirurg 44:55-7, Feb 73 (Ger)**

[Endothoracic goiter] Jachmann M. **Z Erkr Atmungsorgane 137:43-7, 1972 (Ger)**

DIAGNOSIS

Diagnostic ultrasound scanning: a valuable aid in radiation therapy planning. Eule J Jr, et al. **Am J Roentgenol Radium Ther Nucl Med 117:139-45, Jan 73**

Whole-body scanning for tumour localization. Merrick MV, et al. **Br J Radiol 46:159, Feb 73**

Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al. **JAMA 223:761-3, 12 Feb 73**

Mediastinoscopy: 300 cases reported and literature reviewed. Tucker JA. **Laryngoscope 82:2226-48, Dec 72**

67 Ga scintigraphy of malignant tumours. Fogh J, et al. **Nucl Med (Stuttg) 11:371-95, 30 Dec 72**

Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Kirkland RT, et al. **Pediatrics 51:85-90, Jan 73**

Thyroid scanning. Shanks JR. **Postgrad Med 53:198, Feb 73**

Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J 72:97-100, Mar 72**

[Value of the gamma camera in thyroid exploration] Galle P, et al. **Ann Endocrinol (Paris) 33:278-9, May-Jun 72 (Eng. Abstr.) (Fre)**

[Autonomous thyroid adenoma in an endemic goitre region] Pohl G, et al. **Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) (Ger)**

[Puncture diagnosis in thyroid diseases] Junginger T, et al. **Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) (Ger)**

[Diagnosis and treatment of autonomic thyroid gland adenoma using radio-iodine] Kempe H, et al. **Munch Med Wochenschr 115:206-8, 9 Feb 73 (Ger)**

[Striatocellular sarcoma of the neck with metastases to the lungs, heart and thyroid gland] Srednicka-Zając D, et al. **Gruzlica 40:1191-7, 1972 (Eng. Abstr.) (Pol)**

[Clinical study on 42 thyroidectomized patients] Naranjo Gómez A, et al. **Rev Clin Esp 128:27-34, 15 Jan 73 (Eng. Abstr.) (Spa)**

[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al. **Lakartidningen 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)**

DRUG THERAPY

Methimazole-induced jaundice. Fischer MG, et al. **JAMA 223:1028-9, 26 Feb 73**

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al. **Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)**

ENZYMOLOGY

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. **Recent Prog Horm Res 28:399-470, 1972**

[Serum triiodothyronine concentration in autonomic

thyroid gland adenoma] Botsch H, et al.
Munch Med Wochenschr 114:2181-3, 15 Dec 72 (Ger)

ETIOLOGY

Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice. Walinder G.
Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72
Radiation-induced cancer. Miller RW.
J Natl Cancer Inst 49:1221-7, Nov 72
[Retrosternal goiter. Data referring to 36 cases operated on the Hospital do Servidor Público Estadual Francisco Morato de Oliveira] Rosa JC da, et al.
Rev Assoc Med Bras 18:457-62, Nov 72 (Eng. Abstr.) (Por)

FAMILIAL & GENETIC

Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972

METABOLISM

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al.
Acta Histochem (Jena) 43:1-7, 1972
Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73
Membrane-bound thyroglobulin in an experimental thyroid tumor of rats. Monaco F, et al.
Biochim Biophys Acta 279:118-28, 18 Aug 72
Medullary carcinoma of thyroid gland. Subcellular distribution of calcitonin and relationship between granules and amyloid. Meyer JS, et al.
Cancer 31:433-41, Feb 73
Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972
[Analytic electrophoresis on agarose gel of high-molecular-weight ribonucleic acids extracted from human cold thyroid nodules and from the homologous perinodular tissue] Besson J, et al.
C R Soc Biol (Paris) 166:901-4, 1972 (Fre)
[Automatic determination of stable iodine in thyroid tissue] Dinulescu E, et al.
Stud Cercet Endocrinol 24:131-4, 1973 (Rum)

MORTALITY

Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J 72:97-100, Mar 72**

PATHOLOGY

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Kirkland RT, et al.
Pediatrics 51:85-90, Jan 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73
The fate and surgical significance of adenoma of the thyroid gland. Iida F.
Surg Gynecol Obstet 136:536-40, Apr 73
Multiple mucosal neuromas, pheochromocytoma, medullary carcinoma of the thyroid and marfanoid body build with muscle wasting. Syndrome of hyperplasia and neoplasia of neural crest derivatives--an unitarian concept. Gorlin RJ, et al.
Z Kinderheilkd 113:313-25, 1972
[Plasmocytosis of the thyroid gland] Sasse W, et al.
Chirurg 44:52-4, Feb 73 (Eng. Abstr.) (Ger)
[Autonomous thyroid adenoma in an endemic goitre region] Pohl G, et al.
Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) (Ger)
[Metastatic spread of 783 malignant tumors studied at autopsy] Pingitore R.
Tumori 58:319-26, Sep-Oct 72 (Eng. Abstr.) (Ita)
[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)
[Thyroid adenomas of complex structure] Odinokova VA, et al. **Arkh Patol 35:52-7, 1973 (Eng. Abstr.) (Rus)**

PHYSIOPATHOLOGY

Hyperthyroidism with a functioning nodule. Kooi PV.
J Iowa Med Soc 63:111-3, Mar 73
Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972
[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Biselective thyroid angiography] Dupuy JP, et al.
Bord Med 5:1449-62, Jun 72 (Eng. Abstr.) (Fre)

RADIOTHERAPY

Carcinoma of the thyroid in children and young adults. A review of 32 patients. Jereb B, et al.
Acta Radiol [Ther] (Stockh) 11:411-21, Oct 72
Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73
Genetic studies upon patients treated with isotopes. Válkova G. **Folia Med (Plovdiv) 14:153-62, 1972**
[Influence of 131 I radioiodine treatment during various thyroid diseases on the lymphocyte karyotype (preliminary results)] Blein JP, et al.
Ann Endocrinol (Paris) 33:231-41, May-Jun 72 (Eng. Abstr.) (Fre)
[Surgical-radiologic combination therapy of malignant thyroid neoplasms] Heissen E, et al.
Chirurg 44:49-52, Feb 73 (Eng. Abstr.) (Ger)
[Plasmocytosis of the thyroid gland] Sasse W, et al.
Chirurg 44:52-4, Feb 73 (Eng. Abstr.) (Ger)
[Activity of human growth hormone (HGH) in serum following insulin stimulation in radioiodine treated toxic adenoma and Basedow disease] Braun KP, et al.
Klin Wochenschr 51:123-6, 1 Feb 73 (Eng. Abstr.) (Ger)
[Diagnosis and treatment of autonomic thyroid gland adenoma using radio-iodine] Kempe H, et al.
Munch Med Wochenschr 115:206-8, 9 Feb 73 (Ger)
[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

SURGERY

Carcinoma of the thyroid in children and young adults. A review of 32 patients. Jereb B, et al.
Acta Radiol [Ther] (Stockh) 11:411-21, Oct 72
Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73
Papillary carcinoma of the thyroid. O'Brien PH.
J SC Med Assoc 69:66-7, Feb 73
The fate and surgical significance of adenoma of the thyroid gland. Iida F.
Surg Gynecol Obstet 136:536-40, Apr 73
Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Lohrenz FN. **Wis Med J 72:97-100, Mar 72**
[Technic of conservating cervical lymphadenectomy] Pech A, et al.
Ann Chir Plast 18:37-43, 1973 (Eng. Abstr.) (Fre)
[Surgical-radiologic combination therapy of malignant thyroid neoplasms] Heissen E, et al.
Chirurg 44:49-52, Feb 73 (Eng. Abstr.) (Ger)
[Rare combination of hyperthyreosis with malignant goiter] Köie W, et al. **Chirurg 44:55-7, Feb 73 (Ger)**
[Plasmocytosis of the thyroid gland] Sasse W, et al.
Chirurg 44:52-4, Feb 73 (Eng. Abstr.) (Ger)
[Autonomous thyroid adenoma in an endemic goitre

region] Pohl G, et al.
Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Eng. Abstr.) **(Ger)**
[Thyroid adenomas] Szadkowski A, et al.
Wiad Lek 26:117-20, 15 Jan 73 (Eng. Abstr.) **(Pol)**
[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al.
Stud Cercet Endocrinol 23:377-88, 1972 **(Rum)**
[Clinical study on 42 thyroidectomized patients] Naranjo Gómez A, et al.
Rev Clin Esp 128:27-34, 15 Jan 73 (Eng. Abstr.) **(Spa)**

THERAPY

Papillary carcinoma of the thyroid. O'Brien PH.
J SC Med Assoc 69:66-7, Feb 73
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972
[Surgical-radiologic combination therapy of malignant thyroid neoplasms] Heissen E, et al.
Chirurg 44:49-52, Feb 73 (Eng. Abstr.) **(Ger)**

THYROIDITIS

BLOOD

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73

DIAGNOSIS

Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73
[Puncture diagnosis in thyroid diseases] Junginger T, et al.
Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Lymphocyte transformation with thyroglobulin in thyroid diseases. Deiespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72
Variations in complement levels during active and adoptive immunization. Rose NR, et al.
J Immunol 110:867-72, Mar 73
Neonatal thymectomy increases spontaneous autoimmune thyroiditis. Welch P, et al.
J Immunol 110:575-7, Feb 73
[Immunologic thyroid gland diseases] Lamberg BA.
Duodecim 89:182-91, 1973 **(Fin)**

METABOLISM

Depletion of thyroid iodine during subacute thyroiditis. Rapoport B, et al.
J Clin Endocrinol Metab 36:610-1, Mar 73
Preclinical hypothyroidism and coronary-artery disease. Fowler PB, et al. **Lancet** 1:558, 10 Mar 73

PATHOLOGY

Ultrastructural features of subacute granulomatous thyroiditis and Hashimoto's disease. Reidbord HE, et al. **Am J Clin Pathol** 59:327-37, Mar 73

THYROIDITIS, LYMPHOMATOUS

BLOOD

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73
[Hashimoto's disease with purpura hyperglobulinemica of Waldenström] Doobeta T, et al.
Jap J Clin Hematol 13:966-75, Dec 72 (Eng. Abstr.) **(Jap)**

COMPLICATIONS

[Hashimoto's disease with purpura hyperglobulinemica of Waldenström] Doobeta T, et al.
Jap J Clin Hematol 13:966-75, Dec 72 (Eng. Abstr.) **(Jap)**

DIAGNOSIS

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci** 264:495-8, Dec 72
Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. **J Pediatr** 82:187-91, Feb 73
Improved methods for thyroid scanning. A correlation with surgical findings. Maisey MN, et al.
JAMA 223:761-3, 12 Feb 73
[Puncture diagnosis in thyroid diseases] Junginger T, et al.
Munch Med Wochenschr 115:306-10, 23 Feb 73 (Eng. Abstr.) **(Ger)**
[Needle biopsy of the thyroid gland: results in 400 cases] Menchaca Montano JR, et al.
Rev Clin Esp 127:807-10, 15 Nov 72 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Graves' disease and Hashimoto's thyroiditis in monozygous twins. Cbertow BS, et al.
Acta Endocrinol (Kbh) 72:18-24, Jan 73

IMMUNOLOGY

The effect of thyroid antigens on the in vitro migration of leucocytes from patients with Hashimoto thyroiditis. Calder EA, et al.
Clin Exp Immunol 12:429-38, Dec 72
Lymphocyte transformation with thyroglobulin in thyroid diseases. Deiespesse G, et al.
Clin Exp Immunol 12:439-45, Dec 72
Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. **Obstet Gynecol** 41:414-8, Mar 73
[Immunologic thyroid gland diseases] Lamberg BA.
Duodecim 89:182-91, 1973 **(Fin)**
[Immunofluorescence in internal medicine] Storch W.
Z Gesamte Inn Med 27:1061-7, 15 Dec 72 (200 ref.) (Eng. Abstr.) **(Ger)**
[Abnormal binding of thyroid hormones and serum gamma-globulin fractions in Hashimoto's disease] Ochi Y, et al.
Clin Endocrinol (Tokyo) 20:1085-9, Dec 72 **(Jap)**

PATHOLOGY

Graves' disease and Hashimoto's thyroiditis in monozygous twins. Chertow BS, et al.
Acta Endocrinol (Kbh) 72:18-24, Jan 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

THERAPEUTIC USE

The coronary drug project. Design, methods, and baseline results. Circulation 47:Suppl 3:1-50, Mar 73
The hyperlipidaemias--a rational approach to classification and management. Chait A, et al. S Afr Med J 46:2097-101, 30 Dec 72

DIIODOTYROSINE

ANALYSIS

Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al. Proc Soc Exp Biol Med 142:600-3, Feb 73
[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al. C R Soc Biol (Paris) 166:869-74, 1972 (Fre)

BIOSYNTHESIS

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. J Nutr 103:378-83, Mar 73

IODOTYROSINE

[Specificity of thyroidal and hepatic microsomal iodotyrosine deiodinase] Dumas P, et al. Biochim Biophys Acta 293:36-47, 12 Jan 73 (Eng. Abstr.) (Fre)

ANALYSIS

Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al. Proc Soc Exp Biol Med 142:600-3, Feb 73
[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al. C R Soc Biol (Paris) 166:869-74, 1972 (Fre)
[Thyroid hormone content and dissociation of thyroglobulin in subunits] Gavaret JM, et al. C R Soc Biol (Paris) 166:768-71, 1972 (Fre)

BIOSYNTHESIS

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al. J Clin Endocrinol Metab 36:522-30, Mar 73
Further purification and mode of action of a goitrogenic material from soyhean flour. Konijn AM, et al. J Nutr 103:378-83, Mar 73

CHEMICAL SYNTHESIS

Preparation and properties of (monoiodotyrosine)-insulin. Bihler DA, et al. Biochem J 130:321-4, Nov 72

ISOLATION & PURIFICATION

Preparation and properties of (monoiodotyrosine)-insulin. Bihler DA, et al. Biochem J 130:321-4, Nov 72

METABOLISM

The interaction of soluble horseradish peroxidase with mouse peritoneal macrophages in vitro. Steinman RM, et al. J Cell Biol 55:186-204, Oct 72

THYROGLOBULIN

The structure of human thyroglobulin: sedimentation equilibrium in 6M guanidine hydrochloride. Rawitch AB, et al. Biochim Biophys Acta 295:225-32, 25 Jan 73
A collagen disorder of the nervous system presenting as multiple sclerosis. Fulford KW, et al. Brain 95:373-86, 1972
The effect of thyroid antigens on the in vitro migration of leucocytes from patients with Hashimoto thyroiditis. Calder EA, et al. Clin Exp Immunol 12:429-38, Dec 72
Lymphocyte transformation with thyroglobulin in thyroid diseases. Delespesse G, et al. Clin Exp Immunol 12:439-45, Dec 72
Comparison of juvenile diabetics with positive and negative organ specific antibody titers. Evidence for genetic heterogeneity. Nissley SP, et al. Diabetes 22:63-5, Jan 73
Lymphocytes binding human thyroglobulin in healthy people and its relevance to tolerance for autoantigens. Bankhurst AD, et al. Lancet 1:226-30, 3 Feb 73
Clinical significance of autoimmune antibodies in leprosy. Shwe T. Trans R Soc Trop Med Hyg 66:749-53, 1972
[Abnormal binding of thyroid hormones and serum gamma-globulin fractions in Hashimoto's disease] Ochi Y, et al. Clin Endocrinol (Tokyo) 20:1085-9, Dec 72 (Jap)

ANALYSIS

Radioimmunoassay for human antithyroglobulin antibodies. I. The relationship between tanned cell haemagglutination and a double antibody technique. Salahé GB, et al. Hormones 3:1-13, 1972
Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al. J Clin Endocrinol Metab 36:522-30, Mar 73
[Thyroid hormone content and dissociation of thyroglobulin in subunits] Gavaret JM, et al. C R Soc Biol (Paris) 166:768-71, 1972 (Fre)
[Postoperative thyroid function] Bünte H, et al. Chirurg 44:61-3, Feb 73 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Membrane-bound thyroglobulin in an experimental thyroid tumor of rats. Monaco F, et al. Biochim Biophys Acta 279:118-28, 18 Aug 72
Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Paviovic-Hournac M, et al. Endocrinology 92:1273-6, Apr 73
Identification of polysomes synthesizing thyroglobulin. Vassart G, et al. Eur J Biochem 32:322-30, 15 Jan 73
Relationship between thyroglobulin synthesis, iodine metabolism, and histogenesis in the developing rabbit fetal thyroid gland. Roques M, et al. Gen Comp Endocrinol 19:457-72, Dec 72
Incorporation of N-acetylmannosamine and N-acetylglucosamine into thyroglobulin in rat thyroid in vitro. Monaco F, et al. J Biol Chem 248:2072-7, 25 Mar 73

ISOLATION & PURIFICATION

Radioimmunoassay for human antithyroglobulin antibodies. I. The relationship between tanned cell haemagglutination and a double antibody technique. Salabé GB, et al. Hormones 3:1-13, 1972

METABOLISM

The structure of human thyroglobulin: sedimentation equilibrium in 6M guanidine hydrochloride. Rawitch AB, et al. Biochim Biophys Acta 295:225-32, 25 Jan 73
Thyroid function assessment. Birnbaum MD. Obstet Gynecol 41:315-7, Feb 73
[Study of pinocytosis and hydrolysis of thyroglobulin by the normal and pathological thyroid cell] De Visscher M, et al. Bull Acad R Med Belg 12:263-88, 1972 (Eng. Abstr.) (Fre)

[The absolute concentration of thyroglobulin and other proteins in the thyroid gland under normal conditions and in thyroid pathology] Saatov T.
Probl Endokrinol (Mosk) 18:81-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

SECRETION

Incorporation of N-acetylmannosamine and N-acetylglucosamine into thyroglobulin in rat thyroid in vitro. Monaco F, et al.
J Biol Chem 248:2072-7, 25 Mar 73

THYROID HORMONES

A generalized homology correlation for various hormones and proteins. Weinstein B.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)
[Abnormal binding of thyroid hormones and serum gamma-globulin fractions in Hashimoto's disease] Ochi Y, et al.
Clin Endocrinol (Tokyo) 20:1085-9, Dec 72 (Jap)
[Radioimmunoassay of T3 using thyroid hormone binding antibody] Yatani T, et al.
Clin Endocrinol (Tokyo) 20:863-8, Oct 72 (Jap)
[The role of thyroid hormones in inducing the effects of hydrocortisone and insulin] Stroev EA, et al.
Farmakol Toksikol 35:744-6, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Changes in various indices of cholinergic activity in rabbits with thyrotoxicosis] Khitrov NK, et al.
Probl Endokrinol (Mosk) 18:90-3, Nov-Dec 72 (Eng. Abstr.) (Rus)
[ATP-ase and RNA-ase activity in the liver and the concentration of potassium and sodium in white rats with experimental thyroidin toxicosis] Kovtuniak NA, et al.
Probl Endokrinol (Mosk) 18:86-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al.
Hormones 3:250-6, 1972
[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)
[Thyroid hormones] Ono F.
Clin Endocrinol (Tokyo) 20:825-7, Oct 72 (21 ref.) (Jap)

ADVERSE EFFECTS

[Thyroid hormones] Ono F.
Clin Endocrinol (Tokyo) 20:825-7, Oct 72 (21 ref.) (Jap)

ANALYSIS

[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al.
C R Soc Biol (Paris) 166:869-74, 1972 (Fre)
[Thyroid hormone content and dissociation of thyroglobulin in subunits] Gavaret JM, et al.
C R Soc Biol (Paris) 166:768-71, 1972 (Fre)
[Hyperosmolar coma revealing diabetes in an adult with type II Albright's syndrome] Voog R, et al.
Sem Hop Paris 48:3563-7, 26 Dec 72 (Fre)
[Problems of quantitative determination of thyroid hormones and its clinical application] Nanbu M.
Jap J Clin Pathol 20:Suppl:3, 1972 (Jap)

BIOSYNTHESIS

Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. Arch Dis Child 47:914-23, Dec 72
[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

BLOOD

Metabolism of bears before, during, and after winter sleep. Nelson RA, et al. Am J Physiol 224:491-6, Feb 73
Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73
Tektite II: medical supervision of the scientists in the sea. XIV. Biochemical, hematological, and endocrine studies. Beckman EL, et al.
Tex Rep Biol Med 30:191-201, Fall 72
[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)
[Evaluation of thyroid gland function test using thyropac-3-test based on binding of serum protein to thyroid hormones] Shimokawa T, et al.
Clin Endocrinol (Tokyo) 20:1111-5, Dec 72 (Jap)
[Circadian fluctuations in thyroid hormone levels] Yoshimura M, et al.
Clin Endocrinol (Tokyo) 20:725-9, Sep 72 (Jap)
[Significance of the binding of thyroid hormones with serum proteins during the process of compensation for their excess in dogs and guinea pigs] Evstratova LA, et al.
Probl Endokrinol (Mosk) 18:77-81, Jul-Aug 72 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

[Possible use of labeled compounds for studying iodine and thyroid hormone metabolism in clinical practice] Mirkhodzhaev AKh.
Probl Endokrinol (Mosk) 18:25-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

METABOLISM

Muscle and central nervous system metamorphosis. Histology and autoradiography. Jager Hartog WA den, et al. Arch Neurol 28:191-4, Mar 73
Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF.
Gen Comp Endocrinol 20:137-43, Feb 73
Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73
[Phototherapy and enzymatic induction therapy for neonatal jaundice] Onishi S, et al.
Jap J Clin Med 30:1934-45, Sep 72 (48 ref.) (Jap)
[Triiodothyronine-binding index in patients with progressive muscular dystrophy] Mularek J, et al.
Neurol Neurochir Pol 7:47-50, Jan-Feb 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Inhibition of thyrotropin releasing hormone (TRH) stimulated thyrotropin (TSH) secretion in man by a single oral dose of thyroid hormone. Wilber J, et al.
Horm Metab Res 4:508, Nov 72
Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al.
Hormones 3:250-6, 1972
The influence of thyroid hormone on rat colonic temperature during exercise. Armstrong RB, et al.
Int Z Angew Physiol 31:121-6, 1973
Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al.
Proc Soc Exp Biol Med 142:516-20, Feb 73
The biological regulation of copper homeostasis in the rat. Evans GW.
World Rev Nutr Diet 17:225-49, 1973 (56 ref.)
[Monoamine oxidase turnover in innervated and denervated salivary glands] Goridis C, et al.
J Physiol (Paris) 65:Suppl:237A, Oct 72 (Fre)
[Myocardial contractility and drug effects with special reference to the adrenergic mechanism] Otorii T, et al. Jap J Clin Med 30:2043-50, Oct 72 (61 ref.) (Jap)
[Several morpho-histochemical data on the effect of thyroidin and 1-thyroxine on spinal cord motor neurons in rats] Zhukova NI.
Probl Endokrinol (Mosk) 18:86-90, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. Hormones 3:228-34, 1972

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)
Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al.
Pol Med J 11:1063-9, 1972
Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med 3:3-25, Jan 73 (114 ref.)**
[Thyroid hormones and arterioscierosis] Irie M, et al.
Clin Endocrinol (Tokyo) 20:621-3, Aug 72 (23 ref.) (Jap)

POISONING

Accidental poisoning with thyroid extract treated by exchange transfusion. Gerard P, et al.
Arch Dis Child 47:981-2, Dec 72
[Thyroid hormones] Ono F.
Clin Endocrinol (Tokyo) 20:825-7, Oct 72 (21 ref.) (Jap)

SECRETION

[Determination of thyroid hormone secretory rate using the effect of exogenous hormone administration to the thyroid-gland regulating circle] Männchen E.
Z Gesamte Inn Med 27:843-9, 1 Oct 72 (Eng. Abstr.) (Ger)
[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)
[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci 264:495-8, Dec 72**
Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**
Hypothyroidism with unusual features following propyithiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**
Hydroxyproline excretion in various forms of growth failure. Teller WM, et al.
Arch Dis Child 48:127-32, Feb 73
Some contributions to metabolic relationships of uric acid. Blahoš J. **Beitr Rheumatol 18:16-21, 1972**
Management of thyroid disorders. Becker KL.
Postgrad Med 53:60-5, Feb 73
Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73
Aspiration biopsy of thyroid nodules. Crile G Jr, et al.
Surg Gynecol Obstet 136:241-5, Feb 73
[Adiposogenital dystrophy] Bierich JR.
Dtsch Med Wochenschr 98:31-2, 5 Jan 73 (Ger)
[Normal and pathological thyroid gland function in the perinatal period] Teller W, et al.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)
[New aspects in goiter surgery] Roth H.
Helv Chir Acta 39:733-6, Dec 72 (Ger)
[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al.
Klin Wochenschr 50:1138-9, 15 Dec 72 (Eng. Abstr.) (Ger)
[Death due to goiter in pregnancy] Goertchen R.
Zentralbl Gynaekol 94:1660-4, 2 Dec 72 (Ger)
[Thyroid hormones and arterioscierosis] Irie M, et al.
Clin Endocrinol (Tokyo) 20:621-3, Aug 72 (23 ref.) (Jap)
[Brucellosis vaccine and thyroidin in the treatment of brucellosis in patients with decreased allergic reactivity] Lopatina ZhM.
Klin Med (Mosk) 50:94-6, Sep 72 (Eng. Abstr.) (Rus)

THYRONINE

Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)

ANALYSIS

Iodothyronine-glucuronide conjugates in the bile of brook trout, Salvelinus fontinalis (mitchill) and other freshwater teleosts. Sinclair DA, et al.
Gen Comp Endocrinol 19:552-98, Dec 72
[Levels of pituitary thyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rabbits] Berthelot A, et al.
C R Soc Biol (Paris) 166:869-74, 1972 (Fre)
[Thyroid hormone content and dissociation of thyroglobulin in subunits] Gavaret JM, et al.
C R Soc Biol (Paris) 166:768-71, 1972 (Fre)

METABOLISM

Iodothyronine-glucuronide conjugates in the bile of brook trout, Salvelinus fontinalis (mitchill) and other freshwater teleosts. Sinclair DA, et al.
Gen Comp Endocrinol 19:552-98, Dec 72

THYROXINE

Sir Charles Harington (1897-1972). (Harington C), Neuberger A. **Biochem J 129:801-4, Oct 72**
The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73
The effect of hyperthyroidism on rat atria intracellular potentials. Pathomvanich O, et al.
Horm Metab Res 4:493-7, Nov 72
Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
Antilipaemic drugs and nephrotic hyperlipidaemia. Edwards KD.
Prog Biochem Pharmacol 7:370-426, 1972 (272 ref.)
[Postoperative thyroid function] Bünte H, et al.
Chirurg 44:61-3, Feb 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Intravenous L-thyroxine. Klein RF.
Ann Intern Med 78:306, Feb 73
Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K.
Endocrinol Jap 19:461-75, Oct 72
Changes in the pattern of RNA synthesis in different tissues of Xenopus larvae during induced metamorphosis. Ryffel G, et al.
Exp Cell Res 77:79-88, 15 Mar 73
Iodothyronine-glucuronide conjugates in the bile of brook trout, Salvelinus fontinalis (mitchill) and other freshwater teleosts. Sinclair DA, et al.
Gen Comp Endocrinol 19:552-98, Dec 72
Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al.
J Dairy Sci 56:195-201, Feb 73
Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972
Stimulation of mitochondrial adenosine diphosphate uptake by thyroid hormones. Babior BM, et al.
Proc Natl Acad Sci USA 70:98-102, Jan 73
[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al.
Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)
[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al.
Lakartidningen 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)

ANALYSIS

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al.
Endokrinologie 60:251-6, 1972
Determination of liothyronine and thyroxine in dried thyroid by GLC. Bilous R, et al.
J Pharm Sci 62:274-7, Feb 73
Increased thyroxine secretion following administration of dinitrophenol to rats. England P, et al. **J Physiol (Lond) 229:33-40, Feb 73**
Thyrotropin-like activity of thyroid RNA in vitro. Cherniy CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73
[Thyroid hormone content and dissociation of thyroglobulin in subunits] Gavaret JM, et al.
C R Soc Biol (Paris) 166:768-71, 1972 (Fre)

[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al. Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)

[Problems of quantitative determination of thyroid hormones and its clinical application] Nanbu M. Jap J Clin Pathol 20:Suppl:3, 1972 (Jap)

BIOSYNTHESIS

Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF. Gen Comp Endocrinol 20:137-43, Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. J Nutr 103:378-83, Mar 73

BLOOD

A simple technique for measuring thyroxine secretion rate in the mouse. England P, et al. Acta Endocrinol (Kbh) 72:438-42, Mar 73

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB. Acta Endocrinol (Kbh) 72:443-52, Mar 73

Serum molybdenum, thyroxine, copper, and alpha 2 globulin intercorrelated in Irish dairymen. Casey AE, et al. Ala J Med Sci 9:418-23, Oct 72

Myxedema coma. Blum M. Am J Med Sci 264:432-43, Dec 72 (72 ref.)

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. Am J Med Sci 264:495-8, Dec 72

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72

Achilles reflex in thyroid disorders: a 10-year clinical evaluation. Shafer RB, et al. Am J Med Sci 264:313-7, Oct 72

Effect of exercise on degradation of thyroxine in the rat. Winder WW, et al. Am J Physiol 224:572-5, Mar 73

Accidental poisoning with thyroid extract treated by exchange transfusion. Gerard P, et al. Arch Dis Child 47:981-2, Dec 72

Correction of adverse response to suxamethonium of susceptible pigs. Lister D. Br Med J 1:208-10, 27 Jan 73

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. Br Med J 1:41-3, 6 Jan 73

Studies of the effect of adrenals on thyroid hormone release following its acute depletion by isovolemic exchange transfusion. Langer P, et al. Endokrinologie 60:238-46, 1972

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al. Fertil Steril 24:1-9, Jan 73

Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al. Horm. Metab Res 4:488-92, Nov 72

Thyroid responses to simulated altitude. Kotchen TA, et al. J Appl Physiol 34:165-8, Feb 73

Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al. J Clin Endocrinol Metab 36:706-14, Apr 73

Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytripbetol, U-11,100A and U-11,555A. Barbosa J, et al. J Clin Endocrinol Metab 36:666-78, Apr 73

Thyroxine turnover and transport in diabetes mellitus. Inada M, et al. J Clin Endocrinol Metab 36:590-7, Mar 73

Plasma catecholamines in hypothyroidism and hyperthyroidism. Stoffer SS, et al. J Clin Endocrinol Metab 36:587-9, Mar 73

Control of thyroid hormone secretion in normal subjects receiving iodides. Vagenakis AG, et al. J Clin Invest 52:528-32, Feb 73

Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al. J Dairy Sci 56:195-201, Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Mild hypothyroidism and its effects on the larynx. Bicknell PG. J Laryngol Otol 87:123-7, Feb 73

Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Abreau CM, et al. J Nucl Med 14:159-63, Mar 73

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. J Pediatr 82:1-9, Jan 73 (62 ref.)

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73

Triiodothyronine in cord serum. Lieblich JM, et al. J Pediatr 82:290-2, Feb 73

Increased thyroxine secretion following administration of dinitrophenol to rats. England P, et al. J Physiol (Lond) 229:33-40, Feb 73

Normalized serum thyroxine and effective thyroxine ratio. Ashkar FS, et al. JAMA 223:1160, 5 Mar 73

Thyroxine and red cell 2,3-diphosphoglycerate in the newborn period. Riegel K, et al. Klin Wochenschr 51:138-9, 1 Feb 73

Triglyceride metabolism in thyroid disease. Sanderson C. Lancet 1:547, 10 Mar 73

T3 hyperthyroidism. Wahner HW. Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. Nucl Med (Stuttg) 11:281-90, 15 Nov 72

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test. Höschl R, et al. Nucl Med (Stuttg) 11:317-23, 30 Dec 72

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the TSH stimulation test. Höschl R, et al. Nucl Med (Stuttg) 11:324-32, 30 Dec 72

Thyroid function assessment. Birnbaum MD. Obstet Gynecol 41:315-7, Feb 73

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

Management of thyroid disorders. Becker KL. Postgrad Med 53:60-5, Feb 73

A comparison of the thyroxine levels in the plasma of healthy, starved and acetonaemic dairy cows. Heitzman RJ, et al. Res Vet Sci 13:591-3, Nov 72

Indices of unbound thyroxine in obese women. Feit V, et al. Rev Czech Med 18:200-3, 1972

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al. S Afr Med J 47:266-9, 17 Feb 73

Radionuclide evaluation of thyroid disease in children. Greig WR. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)

[Clinical assessment of a new method (Tetralute) for determination of serum thyroxine] Siersbaek-Nielsen K, et al. Ugeskr Laeger 134:2705-8, 18 Dec 72 (Eng. Abstr.) (Dan)

[Effect of 25-HCC in a hypocalcemic patient with active metastases from an operated thyroid medullary tumor] Miravet L, et al. Ann Endocrinol (Paris) 33:270-1, May-Jun 72 (Eng. Abstr.) (Fre)

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al. Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Changes in the secretion level of thyroxine in male ducks subjected to variations in alimentation and surrounding temperature] Astier H, et al. C R Acad Sci [D] (Paris) 275:2531-4, 27 Nov 72 (Fre)

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al. C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)

[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al. Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. Klin Wochenschr 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al. Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

["Effective thyroxine ratio", a simplified in-vitro procedure for estimating the free serum thyroxine

THYROXINE

level] Vosberg H, et al.
Med Welt 23:1812-3, 25 Nov 72 (Ger)
[Serum triiodothyronine concentration in autonomic thyroid gland adenoma] Botsch H, et al.
Munch Med Wochenschr 114:2181-3, 15 Dec 72 (Ger)
[The determination of iodic amino-acids in the plasma by gel chromatography] Gehring D, et al.
Radiobiol Radiother (Berl) 14:53-9, 1973 (Eng. Abstr.) (Ger)
[Res-O-Mat ETR (effective thyroxine ratio) test] Hasegawa H, et al.
Clin Endocrinol (Tokyo) 20:883-6, Oct 72 (Jap)
[Radioimmunoassay of T3 using thyroid hormone binding antibody] Yatani T, et al.
Clin Endocrinol (Tokyo) 20:863-8, Oct 72 (Jap)
[Circadian fluctuations in thyroid hormone levels] Yoshimura M, et al.
Clin Endocrinol (Tokyo) 20:725-9, Sep 72 (Jap)
[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al.
Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)
[Microanalysis for total serum thyroxine concentration and its application to the measurement of thyroxine in mouse serum] Yoshimura S, et al.
Folia Endocrinol Jap 48:408-11, 20 Sep 72 (Eng. Abstr.) (Jap)
[Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)] Inada M, et al.
Jap J Nucl Med 9:475-81, Oct 72 (Eng. Abstr.) (Jap)
[Significance of the binding of thyroid hormones with serum proteins during the process of compensation for their excess in dogs and guinea pigs] Evstratova LA, et al.
Probl Endokrinol (Mosk) 18:77-81, Jul-Aug 72 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

The value of the suppression test in patients with goitre. Poulose KP, et al.
Indian J Med Sci 26:819-22, Dec 72
[Experiences with a thyroid suppression test using a single, large oral dose of thyroxine] Järnerot G, et al.
Lakartidningen 70:381-2, 31 Jan 73 (Eng. Abstr.) (Swe)

ISOLATION & PURIFICATION

Determination of liothyronine and thyroxine in dried thyroid by GLC. Bilous R, et al.
J Pharm Sci 62:274-7, Feb 73

METABOLISM

Effect of exercise on degradation of thyroxine in the rat. Winder WW, et al. Am J Physiol 224:572-5, Mar 73
Muscle and central nervous system metamorphosis. Histology and autoradiography. Jager Hartog WA den, et al. Arch Neurol 28:191-4, Mar 73
PBI-ETR for routine screening of thyroid function. Boss M, et al. Br Med J 1:352, 10 Feb 73
The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al. Endocrinology 92:1028-33, Apr 73
Bidirectional thyroxine exchange in pregnant sheep. Robin NI, et al. Hormones 3:235-49, 1972
Thyroxine turnover and transport in diabetes mellitus. Inada M, et al. J Clin Endocrinol Metab 36:590-7, Mar 73
Heparin administration appears to decrease cellular binding of thyroxine. Schwartz HL, et al.
J Clin Endocrinol Metab 36:598-600, Mar 73
Effect of high-fat diet on thermal acclimation with special reference to thyroid activity. Yoshimura M, et al. Jap J Physiol 22:517-31, Oct 72
Thyroxine and red cell 2,3-diphosphoglycerate in the newborn period. Riegel K, et al.
Klin Wochenschr 51:138-9, 1 Feb 73
Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. Nucl Med (Stuttg) 11:281-90, 15 Nov 72
Conversion of thyroxine to triiodothyronine by cultured human cells. Sterling K, et al.
Science 179:1000-1, 9 Mar 73
Uptake of L-thyroxine-I 131 by the tissues of mice at various reproductive conditions. Soliman FA, et al.
Zentralbl Veterinaermed [A] 19:868-73, Dec 72
[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)
[Competitive degradation of thyroxine and triiodothyronine by rat muscle in vitro] Zaninovich A, et al.
Medicina (B Aires) 32:493-5, Sep-Oct 72 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73
Quantitative electron microscopic description of heart muscle cells. Application to normal, hypertrophied and thyroxin-stimulated hearts. Page E, et al.
Am J Cardiol 31:172-81, Feb 73
Liver phenylalanine hydroxylase activity in relation to blood concentrations of tyrosine and phenylalanine in the rat. McGee MM, et al. Biochem J 127:675-80, May 72
Studies on the effects of growth hormone and thyroxine on proinsulin synthesis and insulin formation in the isolated islets of Langerhans of the rat. Sun AM, et al.
Can J Physiol Pharmacol 50:1147-51, Dec 72
The effect of thyroxine and hypertonic environment on the enzymes of the urea cycle in Xenopus laevis. Balinsky JB, et al.
Comp Biochem Physiol [B] 43:83-95, 15 Sep 72
Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K.
Endocrinol Jap 19:461-75, Oct 72
Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid stimulators. Melander A, et al.
Endocrinology 92:1269-73, Apr 73
Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Pavlovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73
Changes in the pattern of RNA synthesis in different tissues of Xenopus larvae during induced metamorphosis. Ryffel G, et al.
Exp Cell Res 77:79-88, 15 Mar 73
Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens. Gona AG, et al. Gen Comp Endocrinol 20:107-11, Feb 73
Turnover of phospholipid ontogenesis: P 32 incorporation into thyroid slices. Knopp J, et al.
Horm Metab Res 4:497-9, Nov 72
The effect of hyperthyroidism on rat atria intracellular potentials. Pathomvanich O, et al.
Horm Metab Res 4:493-7, Nov 72
Effect of alloxan diabetes, insulin & diabetogenic hormones on intestinal transport of tyrosine in rats. Mahmood A, et al. Indian J Exp Biol 10:237-9, May 72
Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al.
J Clin Endocrinol Metab 36:605-7, Mar 73
Serum lipid pattern in chickens of the obese strain. Rudas B, et al. J Endocrinol 55:609-15, Dec 72
Effects of thyroxin on ultrastructure of rat myocardial cells: a stereological study. McCallister LP, et al.
J Ultrastruct Res 42:136-55, Jan 73
Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. Neuroendocrinology 10:207-17, 1972
Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972
Stimulation of mitochondrial adenosine diphosphate uptake by thyroid hormones. Babior BM, et al.
Proc Natl Acad Sci USA 70:98-102, Jan 73
Thyroid hormones: effect on aortic acid mucopolysaccharides and atherosclerosis in rabbits. Fu ST, et al. Proc Soc Exp Biol Med 142:607-13, Feb 73
Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al.
Proc Soc Exp Biol Med 142:516-20, Feb 73
Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972
Recent studies on functions and control of prolactin

secretion in rats. Meites J, et al.
Recent Prog Horm Res 28:471-526, 1972
[Histochemical and biochemical study of the effects of thyroid deficiency and of thyroxine on the development of cholinesterase activity in the cerebellum of young rats] Clos J.
C R Acad Sci [D] (Paris) 275:2917-20, 18 Dec 72 (Fre)
[Assay of the total acid phosphatase activity of intestinal homogenates from larvae of Discoglossus pictus Otth treated with thyroxine] Hourdry J.
C R Acad Sci [D] (Paris) 275:2937-40, 18 Dec 72 (Fre)
[Role of thyroxine in the initiation of hibernation and resistance to cold in Eureopean hamsters (Cricetus cricetus) thyroidectomized in spring] Cangullhem B.
C R Soc Biol (Paris) 166:688-92, 1972 (Fre)
[Ponderal cycle of wild hamsters in captivity: study in normal animals, castrated animals and thyroidectomized animals. Effect of thyroxine injections and thyroid homografts] Cangullhem B, et al. J Physiol (Paris) 65:Suppl:209A, Oct 72 (Fre)
[Effect of the thyroid gland on the distribution of plasma amino acids and protein changes during hibernation in lerots] Sicart R, et al.
J Physiol (Paris) 65:Suppl:304A-305, Oct 72 (Fre)
[Determination of thyroid hormone secretory rate using the effect of exogenous hormone administration to the thyroid-gland regulating circle] Männchen E.
Z Gesamte Inn Med 27:843-9, 1 Oct 72 (Eng. Abstr.) (Ger)
[Thyroid hormones and arteriosclerosis] Irie M, et al.
Clin Endocrinol (Tokyo) 20:621-3, Aug 72 (23 ref.) (Jap)
[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al.
Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)
[A mechanism of the changes in vascular reactivity in thyroid hypofunction and in thyroxine loading in animals] Prokof'eva Ll.
Probl Endokrinol (Mosk) 18:82-6, Jul-Aug 72 (Eng. Abstr.) (Rus)
[Several morpho-histochemical data on the effect of thyroidin and l-thyroxine on spinal cord motor neurons in rats] Zhukova NI.
Probl Endokrinol (Mosk) 18:86-90, Jul-Aug 72 (Eng. Abstr.) (Rus)
[Effect of thyroxine and 6-methyl thiouracil on the activity of succinate dehydrogenase in tissues of albino rats] Vagula MG.
Ukr Biokhim Zh 44:447-9, 1972 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

Calcium metabolism in pancreatic disease. D'Souza A, et al. Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)
The effect of prolactin, thyroxine, and thyrotropin on the sloughing cycle of the lizard Gekko gecko L. Chiu KW, et al. Gen Comp Endocrinol 19:592-3, Dec 72
Lymphocytes, hormones and ageing. Fabris N, et al.
Nature (Lond) 240:557-9, 29 Dec 72
Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al.
Neuroendocrinology 10:197-206, 1972
Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)
[Collagenolytic activity in healthy and experimentally damaged rat bone] Prokopová D.
Beitr Rheumatol 18:158-62, 1972 (Ger)

SECRETION

A simple technique for measuring thyroxine secretion rate in the mouse. England P, et al.
Acta Endocrinol (Kbh) 72:438-42, Mar 73
Studies of the effect of adrenals on thyroid hormone release following its acute depletion by isovolemic exchange transfusion. Langer P, et al.
Endokrinologie 60:238-46, 1972
Thyroxine secretion rates in desert lizards: Dipsosaurus dorsalis and callisaurus draconoides. Yousef MK, et al.
Gen Comp Endocrinol 20:217-9, Feb 73
Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al.
J Dairy Sci 56:195-201, Feb 73
Increased thyroxine secretion following administration of dinitrophenol to rats. England P, et al. J Physiol (Lond) 229:33-40, Feb 73
T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)
[Changes in the secretion level of thyroxine in male ducks subjected to variations in alimentation and surrounding temperature] Astier H, et al.
C R Acad Sci [D] (Paris) 275:2531-4, 27 Nov 72 (Fre)

STANDARDS

Comparison of radioisotopic T-3 and T-4 kits. Ravel R, et al. Am J Med Technol 39:9-11, Jan 73
[German pharmacopoeia, 7th edition. IX. Delivery]
Pharmazie 28:81-4, Feb 73 (Ger)

THERAPEUTIC USE

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73
The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)
Successful removal of single metastasis in recurrent parathyroid carcinoma. Davies DR, et al.
Br Med J 1:397-8, 17 Feb 73
Mild hypothyroidism and its effects on the larynx. Bicknell PG. J Laryngol Otol 87:123-7, Feb 73
Triglyceride metabolism in thyroid disease. Tulloch BR, et al. Lancet 1:391-4, 24 Feb 73
[What is assured in the treatment of hyperlipemia?]
Schlierf G. Internist (Berlin) 13:503-6, Dec 72 (Ger)

URINE

Effect of exercise on degradation of thyroxine in the rat. Winder WW, et al. Am J Physiol 224:572-5, Mar 73

TRIIODOTHYRONINE

Counting of beta and gamma emitters used in clincal radioimmunoassays and competitive-binding assays by liquid scintillation counters. Helman EZ, et al.
Clin Chem 19:191-6, Feb 73
The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73
Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al.
Endokrinologie 60:251-6, 1972
Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73
L-Triiodothyronine aminotransferase. Soffer RL, et al.
J Biol Chem 248:1224-30, 25 Feb 73
T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)
[Postoperative thyroid function] Bünte H, et al.
Chirurg 44:61-3, Feb 73 (Eng. Abstr.) (Ger)
[T3 adsorption mechanism of PVF sponge] Inagaki K, et al.
Jap J Nucl Med 9:463-7, Oct 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test. Höschl R, et al.
Nucl Med (Stuttg) 11:317-23, 30 Dec 72
Stimulation of mitochondrial adenosine diphosphate uptake by thyroid hormones. Bahlor BM, et al.
Proc Natl Acad Sci USA 70:98-102, Jan 73
Indices of unbound thyroxine in obese women. Felt V, et al. Rev Czech Med 18:200-3, 1972
The plasma insulin response to arginine infusion in six non-diabetic patients given an acute overload of thyroid hormone. Modigliani E, et al.
Rev Eur Etud Clin Biol 17:619-22, Jun-Jul 72

ANALYSIS

Determination of liothyronine and thyroxine in dried thyroid by GLC. Bilous R, et al.
J Pharm Sci 62:274-7, Feb 73
Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73
[Problems of quantitative determination of thyroid hormones and its clinical application] Nanhu M.
Jap J Clin Pathol 20:Suppl:3, 1972 (Jap)

TRIIODOTHYRONINE

BIOSYNTHESIS

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. J Nutr 103:378-83, Mar 73

Conversion of thyroxine to triiodothyronine by cultured human cells. Sterling K, et al. Science 179:1000-1, 9 Mar 73

BLOOD

Radioimmunoassay for triiodothyronine in human serum. Hüfner M, et al. Acta Endocrinol (Kbh) 72:464-74, Mar 73

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB. Acta Endocrinol (Kbh) 72:443-52, Mar 73

Myxedema coma. Blum M. Am J Med Sci 264:432-43, Dec 72 (72 ref.)

Achilles reflex in thyroid disorders: a 10-year clinical evaluation. Shafer RB, et al. Am J Med Sci 264:313-7, Oct 72

Accidental poisoning with thyroid extract treated by exchange transfusion. Gerard P, et al. Arch Dis Child 47:981-2, Dec 72

Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. Brain 95:249-64, 1972

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al. Fertil Steril 24:1-9, Jan 73

Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Bellabarba D, et al. Horm Metab Res 4:488-92, Nov 72

Control of thyroid hormone secretion in normal subjects receiving iodides. Vagenakis AG, et al. J Clin Invest 52:528-32, Feb 73

Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats. Emrich D, et al. J Endocrinol 55:479-87, Dec 72

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. J Pediatr 82:1-9, Jan 73 (62 ref.)

Triiodothyronine in cord serum. Liehlich JM, et al. J Pediatr 82:290-2, Feb 73

Thyroxine and red cell 2,3-diphosphoglycerate in the newborn period. Riegel K, et al. Klin Wochenschr 51:138-9, 1 Feb 73

Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al. Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)

T3 hyperthyroidism. Wahner HW. Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73

Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. Nucl Med (Stuttg) 11:281-90, 15 Nov 72

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

Management of thyroid disorders. Becker KL. Postgrad Med 53:60-5, Feb 73

Radionuclide evaluation of thyroid disease in children. Greig WR. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)

[Decrease of tri-iodothyronine in serum of senescent persons] Brunelle P, et al. Clin Chim Acta 42:201-3, Nov 72 (Fre)

[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al. Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)

[Serum triiodothyronine concentration in autonomic thyroid gland adenoma] Botsch H, et al. Munch Med Wochenschr 114:2181-3, 15 Dec 72 (Ger)

[The determination of iodic amino-acids in the plasma by gel chromatography] Gehring D, et al. Radiobiol Radiother (Berl) 14:53-9, 1973 (Eng. Abstr.) (Ger)

[Radioimmunoassay of T3 using thyroid hormone binding antibody] Yatani T, et al. Clin Endocrinol (Tokyo) 20:863-8, Oct 72 (Jap)

[Binding capacity of radioactive triiodothyronine among Indians of Alto Xingu] Vieira Filho JP, et al. Rev Assoc Med Bras 18:471-4, Dec 72 (Eng. Abstr.) (Por)

DIAGNOSTIC USE

The thyroid gland--a review. Mason R, et al. Aust Vet J 49:44-9, Jan 73 (52 ref.)

ISOLATION & PURIFICATION

Determination of liothyronine and thyroxine in dried thyroid by GLC. Blious R, et al. J Pharm Sci 62:274-7, Feb 73

METABOLISM

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. Am J Med Sci 264:499-505, Dec 72

Muscle and central nervous system metamorphosis. Histology and autoradiography. Jager Hartog WA den, et al. Arch Neurol 28:191-4, Mar 73

Interlaboratory and intralaboratory comparison of T 3 -uptake methodology. Spierto FW, et al. Clin Chem 18:1355-9, Nov 72

Bidirectional thyroxine exchange in pregnant sheep. Rohin NI, et al. Hormones 3:235-49, 1972

In vitro RBC uptake of radio-triiodothyronine as a useful thyroid function test in Indian patients. II. Talukdar CK, et al. Indian J Med Res 60:1621-8, Nov 72

Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre. Alevizaki CC, et al. Nucl Med (Stuttg) 11:281-90, 15 Nov 72

Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al. Pol Med J 11:1063-9, 1972

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. Klin Wochenschr 51:127-31, 1 Feb 73 (Eng. Abstr.) (Ger)

[Triiodothyronine-binding index in patients with progressive muscular dystrophy] Mularek J, et al. Neurol Neurochir Pol 7:47-50, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Competitive degradation of thyroxine and triiodothyronine by rat muscle in vitro] Zaninovich A, et al. Medicina (B Aires) 32:493-5, Sep-Oct 72 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Effect of tri-iodothyronine on the transcription of deoxyribonucleic acids of different degrees of redundancy in frog larvae. Flickinger RA, et al. Biochem J 130:319-20, Nov 72

Influence of hormones, poly I:C, polyvinylpyrrolidon and -stimulators on in vitro infection with murine leukemia virus. Ehbesen P, et al. Eur J Cancer 8:623-7, Dec 72

The inner membrane of mitochondria under influence of triiodothyronine and riboflavin deficiency in rat heart muscle and liver: a quantitative electronmicroscopical and biochemical study. Reith A, et al. Exp Cell Res 77:1-14, 15 Mar 73

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al. Hormones 3:250-6, 1972

The influence of thyroid hormone on rat colonic temperature during exercise. Armstrong RB, et al. Int Z Angew Physiol 31:121-6, 1973

Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. J Biol Chem 248:1329-33, 25 Feb 73

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al. J Clin Endocrinol Metab 36:605-7, Mar 73

TSH response to synthetic thyrotropin-releasing hormone in human protein-calorie malnutrition. Pimstone B, et al. J Clin Endocrinol Metab 36:779-83, Apr 73

Stimulation of mitochondrial adenosine diphosphate uptake by thyroid hormones. Bahlor BM, et al. Proc Natl Acad Sci USA 70:98-102, Jan 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al. Proc Soc Exp Biol Med 142:421-3, Feb 73

Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al.
Proc Soc Exp Biol Med 142:516-20, Feb 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Guai C, et al. Recent Prog Horm Res 28:173-200, 1972

The plasma insulin response to arginine infusion in six non-diabetic patients given an acute overload of thyroid hormone. Modigliani E, et al.
Rev Eur Etud Clin Biol 17:619-22, Jun-Jul 72

[Mechanical properties of the skin] Vogel HG.
Arch Dermatol Forsch 244:130-4, 1972 (Ger)

SECRETION

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)

STANDARDS

Comparison of radioisotopic T-3 and T-4 kits. Ravel R, et al. Am J Med Technol 39:9-11, Jan 73

[German pharmacopoeia, 7th edition. IX. Delivery]
Pharmazie 28:81-4, Feb 73 (Ger)

THERAPEUTIC USE

IgG cryoglobulinemia associated with amyloidosis. Maldonado JE, et al. Blood 41:569-76, Apr 73

Correction of adverse response to suxamethonium of susceptible pigs. Lister D. Br Med J 1:208-10, 27 Jan 73

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

Effect of l-tri-iodothyronine on marginal scars of skin grafted burns in rats. Zamick P, et al.
Plast Reconstr Surg 51:71-5, Jan 73

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

ADVERSE EFFECTS

Hypothyroidism in progressive ophthalmopathy of Graves' disease. Almqvist S, et al.
Acta Ophthalmol (Kbh) 50:761-70, 1972

PHARMACODYNAMICS

A study of the effect of some drugs which cause agranulocytosis on the biosynthesis of pyrimidines in human granulocytes. Westwick WJ, et al.
Biochem Pharmacol 21:1955-66, 15 Jul 72

Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid. Koutras DA, et al. **Nucl Med (Stuttg) 11:338-51, 30 Dec 72**

THERAPEUTIC USE

Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. **Br Med J 1:41-3, 6 Jan 73**

METHIMAZOLE

ADMINISTRATION & DOSAGE

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

ADVERSE EFFECTS

Methimazole-induced jaundice. Fischer MG, et al.
JAMA 223:1028-9, 26 Feb 73

ANALYSIS

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

BLOOD

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

METABOLISM

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

PHARMACODYNAMICS

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al.
Endokrinologie 60:251-6, 1972

THERAPEUTIC USE

Methimazole-induced jaundice. Fischer MG, et al.
JAMA 223:1028-9, 26 Feb 73

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

URINE

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

METHYLTHIOURACIL

PHARMACODYNAMICS

A study of the effect of some drugs which cause agranulocytosis on the biosynthesis of pyrimidines in human granulocytes. Westwick WJ, et al.
Biochem Pharmacol 21:1955-66, 15 Jul 72

Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Pavlovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73

[The effect of pyrogenal, methyluracil, oxymethacil and their combinations on the absorptive capacity of the reticuloendothelial system against a background of levomycetin and hydrocortisone administration] Davydova VA.
Antibiotiki 17:820-3, Sep 72 (Eng. Abstr.) (Rus)

PROPYLTHIOURACIL

[Histochemical and biochemical study of the effects of thyroid deficiency and of thyroxine on the development of cholinesterase activity in the cerebellum of young rats] Clos J.
C R Acad Sci [D] (Paris) 275:2917-20, 18 Dec 72 (Fre)

[Quantitative data on synaptogenesis in the cerebellum of the normal rat and of the propylthiouracil-induced hypothyroid rat] Rebière A, et al.
C R Acad Sci [D] (Paris) 274:3581-4, 26 Jun 72 (Fre)

ADMINISTRATION & DOSAGE

Serum propylthiouracil: determination by a direct colorimetric procedure. Ratliff CR, et al.
Clin Chem 18:1373-5, Nov 72

ADVERSE EFFECTS

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**

BLOOD

Serum propylthiouracil: determination by a direct colorimetric procedure. Ratliff CR, et al.
Clin Chem 18:1373-5, Nov 72

THERAPEUTIC USE

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**

Serum propylthiouracil: determination by a direct colorimetric procedure. Ratliff CR, et al.
Clin Chem 18:1373-5, Nov 72

Thyroid function in pregnancy. Stein RB, et al.
Postgrad Med 53:72-7, Feb 73

THIOURACIL

Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens. Jolin T.
Hormones 3:31-5, 1972

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. **Hormones 3:228-34, 1972**

Hypervitaminosis E in the chick. March BE, et al.
J Nutr 103:371-7, Mar 73

DIAGNOSTIC USE

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

METABOLISM

Methimazole: absorption, metabolism and excretion in the albino rat. Sitar DS, et al.
J Pharmacol Exp Ther 184:432-9, Feb 73

PHARMACODYNAMICS

Biosynthesis of willardiine and isowillardiine in germinating pea seeds and seedlings. Ashworth TS, et al. Biochem J 129:897-905, Oct 72

Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens. Jolin T. Hormones 3:31-5, 1972

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Jolin T, et al. Hormones 3:228-34, 1972

Nucleocytoplasmic interaction in the eggs of Pteridium aquilinum maturing in the presence of thiouracil. Bell PR. J Cell Sci 11:739-55, Nov 72

Thyroid hormones: effect on aortic acid mucopolysaccharides and atherosclerosis in rabbits. Fu ST, et al. Proc Soc Exp Biol Med 142:607-13, Feb 73

[Virus infection and multiplication in tobacco protoplasts] Tatebe I. Virus (Tokyo) 22:1-13, Jun 72 (37 ref.) (Jap)

[Effect of thyroxine and 6-methyl thiouracil on the activity of succinate dehydrogenase in tissues of albino rats] Vagula MG. Ukr Biokhim Zh 44:447-9, 1972 (Eng. Abstr.) (Ukr)

THYROID ANTAGONISTS

ADVERSE EFFECTS

Drugs in pregnancy. Med Lett Drugs Ther 14:94-6, 8 Dec 72

[Antithyroid drugs] Iino S. Clin Endocrinol (Tokyo) 20:835-8, Oct 72 (9 ref.) (Jap)

[Administration of some drugs to pregnant or breast feeding women] Okla J. Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)

THERAPEUTIC USE

T3 hyperthyroidism. Wahner HW. Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

Thyrotropin behavior in thyroid disorders of childhood. Hayek A, et al. Pediatr Res 7:28-38, Jan 73

V. Related Topics

EXOPHTHALMOS

Unilateral exophthalmos. Ide CH, et al.
Mo Med 70:175-8, Mar 73
[Pseudotumoral lymph node lipidic histiocytosis. Further case in a young Martinique woman] Destombes P, et al.
Bull Soc Pathol Exot 65:481-8, May-Jun 72 (Fre)

COMPLICATIONS

Exomphalos and Beckwith syndrome. Fernandes CT, et al. Cent Afr J Med 18:247-8, Dec 72

DIAGNOSIS

Unilateral exophthalmos. Ide CH, et al.
Mo Med 70:175-8, Mar 73
A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test. Höschl R, et al.
Nucl Med (Stuttg) 11:317-23, 30 Dec 72

ETIOLOGY

Retrobulbar granular cell myoblastoma. Chaves E, et al.
Br J Ophthalmol 56:854-6, Nov 72
Unilateral exophthalmos. Aetiological study of 85 cases. Zakharia HS, et al.
Br J Ophthalmol 56:678-86, Sep 72
Chemodectomas of the nasopharynx. An unusual case associated with unilateral ocular proptosis. Smith CJ, et al. Laryngoscope 83:330-5, Mar 73
Unilateral exophthalmos. Ide CH, et al.
Mo Med 70:175-8, Mar 73
[Orbital vascular malformations (apropos of 62 cases)] Aron-Rosa DS, et al.
Ann Ocul (Paris) 205:667-712, Jun 72 (Eng. Abstr.) (Fre)

THERAPY

Observations on the therapeutic merit of thyroid radioablation for treatment of malignant exophthalmos. Weiss ER, et al.
Nucl Med (Stuttg) 11:226-33, 15 Nov 72

IODIDES

Effect of trypsin on the exposed polypeptides and glycoproteins in the human platelet membrane. Phillips DR. Biochemistry 11:4582-8, 21 Nov 72

ADMINISTRATION & DOSAGE

Experimentally induced iodide toxicosis in lambs. McCauley EH, et al. Am J Vet Res 34:65-70, Jan 73

ADVERSE EFFECTS

Drug fever. Bystryn JC. Am J Med Sci 264:473-4, Dec 72
Possible synergism between iodine and lithium carbonate. Jorgensen JV, et al.
JAMA 223:192-3, 8 Jan 73

ANALYSIS

Salivary secretion of iodine after urography. Further evidence for in vivo deiodination and salivary secretion of contrast media. Talner LB, et al.
Radiology 106:263-8, Feb 73

BLOOD

Control of thyroid hormone secretion in normal subjects receiving iodides. Vagenakis AG, et al.
J Clin Invest 52:528-32, Feb 73
The use of liquid cation exchange in the extraction and separation of (14 C)neostigmine iodide and its metabolite (14 C)3-hydroxyphenyltrimethylammonium iodide from body fluids. Barber HE, et al.
J Pharm Pharmacol 24:907-8, Nov 72

METABOLISM

Muscle and central nervous system metamorphosis. Histology and autoradiography. Jager Hartog WA den, et al. Arch Neurol 28:191-4, Mar 73

PHARMACODYNAMICS

Study of potassium movements in dog submaxillary gland slices. Siegel IA. Am J Physiol 224:395-8, Feb 73
Role of phospholipids in the NA + ,K + -stimulated adenosine triphosphatase system of brain microsomes. Stahl WL.
Arch Biochem Biophys 154:56-67, Jan 73
Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al.
J Clin Endocrinol Metab 36:466-74, Mar 73
Mycoplasmacidal activity of a leukocytic myeloperoxidase-hydrogen peroxide-halide system. Low IE, et al. J Infect Dis 127:Suppl:S72-6, Mar 73

THERAPEUTIC USE

Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Sharma BN.
J Assoc Physicians India 20:727, Sep 72
Possible synergism between iodine and lithium carbonate. Jorgensen JV, et al.
JAMA 223:192-3, 8 Jan 73

TOXICITY

Experimentally induced iodide toxicosis in lambs. McCauley EH, et al. Am J Vet Res 34:65-70, Jan 73

URINE

The use of liquid cation exchange in the extraction and separation of (14 C)neostigmine iodide and its metabolite (14 C)3-hydroxyphenyltrimethylammonium iodide from body fluids. Barber HE, et al.
J Pharm Pharmacol 24:907-8, Nov 72

IODINE

Stopped flow method at subzero temperatures. Hoa GH, et al. Anal Biochem 51:127-36, Jan 73
Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V.
Ann Intern Med 78:277-83, Feb 73 (41 ref.)
Isolation and characterization of agglutinin receptor sites. II. Isolation and partial purification of a surface membrane receptor for wheat germ agglutinin. Jansons VK, et al.
Biochim Biophys Acta 291:127-35, 2 Jan 73
Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. J Biol Chem 247:6167-75, 10 Oct 72
Energy metabolism in atherosclerosis-resistant and -susceptible pigeons. Olson CR, et al.
J Nutr 103:189-95, Feb 73
Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
Structural characteristics of some murine RNA tumor viruses studied by lactoperoxidase iodination. Witte ON, et al. Proc Natl Acad Sci USA 70:36-40, Jan 73
[Iodination of carnosine and it's biological activity] Ishikawa N, et al.
J Pharm Soc Jap 92:1423-5, Nov 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

A peculiar cutaneous pigmentation from cordarone. Vos AK, et al. **Dermatologica** 145:297-303, 1972

Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens. Joiin T. **Hormones** 3:31-5, 1972

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Joiin T, et al. **Hormones** 3:228-34, 1972

Prohiems in estimating thyroxine secretion rates in cattle. Swanson EW, et al. **J Dairy Sci** 56:195-201, Feh 73

Energy metaholism in atherosclerosis-resistant and -susceptihle pigeons. Olson CR, et al. **J Nutr** 103:189-95, Feb 73

Cholinergic activities and cholinesterase hydrolysis of acetyliodocholine. Chiou CY. **J Pharmacol Exp Ther** 184:47-55, Jan 73

[Amiodarone pigmentation] Matheis H. **Dermatologica** 145:304-18, 1972 (Eng. Ahstr.) **(Ger)**

ADVERSE EFFECTS

A peculiar cutaneous pigmentation from cordarone. Vos AK, et al. **Dermatologica** 145:297-303, 1972

[Posterior chordo-radicular syndrome and chloroiodoquinone] Tournihac M, et al. **Nouv Presse Med** 1:3132, 23 Dec 72 **(Fre)**

[Amiodarone pigmentation] Matheis H. **Dermatologica** 145:304-18, 1972 (Eng. Abstr.) **(Ger)**

ANALYSIS

Intravenous cholangiography. An experimental evaluation of several currently proposed methods. Moss AA, et al. **Am J Roentgenol Radium Ther Nucl Med** 117:406-11, Feb 73

The effect of bypotbyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al. **Endocrinology** 92:1028-33, Apr 73

Characterization and properties of thyroid iodoproteins from severely iodine-deficient rats. Rossi G, et al. **Endocrinology** 92:1241-9, Apr 73

Ultrastructural and bistochemical features of the endostyle of tbe ascidian Ciona intestinalis witb special reference to the distribution of bound iodine. Thorpe A, et al. **Gen Comp Endocrinol** 19:559-71, Dec 72

Effect of thyroidectomy and of several goitrogens on -glucuronidase activity and insulin levels of rats. Joiin T, et al. **Hormones** 3:228-34, 1972

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archboid TJ, et al. **J Anim Sci** 36:57-60, Jan 73

Identification of iodine in a supraclavicular lymph node following lympbography: a fluorescent scan artifact. Nijensohn E, et al. **J Nucl Med** 14:179-80, Mar 73

Salivary secretion of iodine after urography. Further evidence for in vivo deiodination and salivary secretion of contrast media. Talner LB, et al. **Radiology** 106:263-8, Feb 73

[Levels of pituitary tbyrotropin and thyroid iodinated amino acids as a function of lighting in adult male rahbits] Berthelot A, et al. **C R Soc Biol (Paris)** 166:869-74, 1972 **(Fre)**

[Tbyroid hormone content and dissociation of tbyroglobulin in suhunits] Gavaret JM, et al. **C R Soc Biol (Paris)** 166:768-71, 1972 **(Fre)**

[Automatic determination of stabie iodine in thyroid tissue] Dinulescu E, et al. **Stud Cercet Endocrinol** 24:131-4, 1973 **(Rum)**

BLOOD

Intravenous cholangiography. An experimental evaluation of several currently proposed methods. Moss AA, et al. **Am J Roentgenol Radium Ther Nucl Med** 117:406-11, Feh 73

Experimentally induced iodide toxicosis in lambs. McCauley EH, et al. **Am J Vet Res** 34:65-70, Jan 73

Tbe tbyroid gland--a review. Mason R, et al. **Aust Vet J** 49:44-9, Jan 73 (52 ref.)

Effect of polyphloretin pbosphate on the induction of tbyroid bormone secretion by various tbyroid stimulators. Melander A, et al. **Endocrinology** 92:1269-73, Apr 73

Thyroidal iodine metaholism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metaboiites. Archhold TJ, et al. **J Anim Sci** 36:57-60, Jan 73

Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al. **J Clin Endocrinol Metab** 36:466-74, Mar 73

An investigation on the concentration and nature of skeletal muscle iodine compounds. Cottino F, et al. **J Nuci Biol Med** 16:39-43, Jan-Mar 72

Increased thyroxine secretion following administration of dinitropbenol to rats. Engiand P, et al. **J Physiol (Lond)** 229:33-40, Feh 73

Simulation of short-term changes in tbyroid function following a single dose of thiocyanate with the aid of an analogue computer. Sudová K, et al. **Physiol Bohemoslov** 21:511-6, 1972

[The determination of iodic amino-acids in the plasma by gel chromatography] Gebring D, et al. **Radiobiol Radiother (Berl)** 14:53-9, 1973 (Eng. Abstr.) **(Ger)**

[Significance of the binding of thyroid hormones with serum proteins during the process of compensation for tbeir excess in dogs and guinea pigs] Evstratova LA, et al. **Probl Endokrinol (Mosk)** 18:77-81, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

METABOLISM

Endemic goiter in Southeast Asia. New clothes on an old hody. Ramalingaswami V. **Ann Intern Med** 78:277-83, Feb 73 (41 ref.)

Effect of photoperiod on thyroid function of spotted munia, Lonchura punctulata. Chancola A, et al. **Gen Comp Endocrinol** 20:214-7, Feh 73

Relationship hetween thyrogiohulin synthesis, iodine metaholism, and histogenesis in the developing rabhit fetal tbyroid gland. Roques M, et al. **Gen Comp Endocrinol** 19:457-72, Dec 72

Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF. **Gen Comp Endocrinol** 20:137-43, Feb 73

Tbyroxine secretion rates in desert lizards: Dipsosaurus dorsalis and callisaurus draconoides. Yousef MK, et al. **Gen Comp Endocrinol** 20:217-9, Feb 73

Congenital goiter with triiodotbyronine as the main circulating thyroid hormone. Bellabarba D, et al. **Horm Metab Res** 4:488-92, Nov 72

Bartter's syndrome with possible hypothaiamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archhold TJ, et al. **J Anim Sci** 36:57-60, Jan 73

Prevaience of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. Rastogi GK, et al. **J Assoc Physicians India** 20:471-6, Jul 72

Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al. **J Clin Endocrinol Metab** 36:466-74, Mar 73

Normal peroxidase activity in Pendred's syndrome. Burrow GN, et al. **J Clin Endocrinol Metab** 36:522-30, Mar 73

Depletion of tbyroid iodine during subacute thyroiditis. Rapoport B, et al. **J Clin Endocrinol Metah** 36:610-1, Mar 73

An investigation on the concentration and nature of skeletal muscle iodine compounds. Cottino F, et al. **J Nucl Biol Med** 16:39-43, Jan-Mar 72

Thyroid radiouclide uptake measurements. Report of an IAEA Panel. **J Nucl Biol Med** 16:1-9, Jan-Mar 72

Further purification and mode of action of a goitrogenic material from soybean flour. Konijn AM, et al. **J Nutr** 103:378-83, Mar 73

Hypervitaminosis E in the chick. March BE, et al. **J Nutr** 103:371-7, Mar 73

Energy metabolism in atherosclerosis-resistant and -susceptihle pigeons. Olson CR, et al. **J Nutr** 103:189-95, Feb 73

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr** 82:1-9, Jan 73 (62 ref.)

T3 hypertbyroidism. Wahner HW. **Mayo Clin Proc** 47:938-43, Dec 72 (35 ref.)

Management of thyroid disorders. Becker KL. **Postgrad Med** 53:60-5, Feb 73

IODINE

Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73

Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. Bieler EU, et al.
S Afr Med J 47:266-9, 17 Feb 73

Quantitative studies of ascitic fluid. Luttwak EM.
Surg Gynecol Obstet 136:269-72, Feb 73

Failure of dimethyl sulfoxide (DMSO) to alter thyroid function in the Sprague-Dawley rat. Goldman M.
Toxicol Appl Pharmacol 24:73-80, Jan 73

Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al.
C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)

[Trace elements and sterility] Leibetseder J, et al.
Wien Tieraerzti Monatsschr 60:12-5, 1973 (Eng. Abstr.) (Ger)

[Thyroidectomy in the treatment of different forms of single thyroid nodule] Angelescu E, et al.
Chirurgia (Bucur) 22:259-68, Mar 73 (Eng. Abstr.) (Rum)

[Automatic determination of stable iodine in thyroid tissue] Dinulescu E, et al.
Stud Cercet Endocrinol 24:131-4, 1973 (Rum)

[Age characteristics of the functional activity of the thyroid gland in rodents] Akhmetov IZ.
Zh Evol Biokhim Fiziol 8:210-2, Mar-Apr 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73

Interaction of tetracylines with ribosomal subunits from Escherichia coli. A fluorometric investigation. Fey G, et al. **Biochemistry 12:1160-4, 13 Mar 73**

Cholinergic activities and cholinesterase hydrolysis of acetyliodocholine. Chiou CY.
J Pharmacol Exp Ther 184:47-55, Jan 73

Effect of 131 I-labelling on various properties of nonmitochondrial aspartate transaminase from pig heart. Massarrat S.
Z Klin Chem Klin Biochem 10:61-6, Feb 72

[Ponderal cycle of wild hamsters in captivity: study in normal animals, castrated animals and thyroidectomized animals. Effect of thyroxine injections and thyroid homografts] Canguilhem B, et al. **J Physiol (Paris) 65:Suppl:209A, Oct 72 (Fre)**

[Effect of abnormal anions upon frog striated muscular fiber, detubulated by osmotic shock] Louis-Schauer H, et al. **J Physiol (Paris) 65:Suppl:267A, Oct 72 (Fre)**

[Iodination of carnosine and it's biological activity] Ishikawa N, et al.
J Pharm Soc Jap 92:1423-5, Nov 72 (Eng. Abstr.) (Jap)

[The current state of knowledge concerning microelements in medicine] Venchikov AI.
Klin Med (Mosk) 50:11-4, Sep 72 (Rus)

[Depression of lipolysis and potentiation of the hypoglycemic effect of insulin using insulin derivatives with a neutral effect on the blood sugar level] Dil'man VM, et al.
Probl Endokrinol (Mosk) 18:62-9, Nov-Dec 72 (Eng. Abstr.) (Rus)

POISONING

[Syndrome of "malignant thyrotoxicosis" after massive absorption of tincture of iodine: clinical, biologic and anatomo-pathologic study] Bertrand A, et al.
Eur J Toxicol 5:52-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

The histological appearance of hyperfunctioning thyroids following various pre-operative treatments. Eggen PC, et al.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V.
Ann Intern Med 78:277-83, Feb 73 (41 ref.)

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine propbylaxis. Rastogi GK, et al.
J Assoc Physicians India 20:471-6, Jul 72

Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

[Incidence and clinical forms of endemic goiter in two foci after 20 years of iodate prevention (comparative studies in the towns of Stoeneşti-Argeş and Buda-Ilfov)] Negoescu I, et al.
Stud Cercet Endocrinol 24:115-23, 1973 (Rum)

TOXICITY

[Neurotoxicity of clioquinol. II. Electron microscopic study on sural nerve in chronically intoxicated dogs. Saito A.
Psychiatr Neurol Jap 74:756-70, Sep 72 (Eng. Abstr.) (Pol)

[Neurotoxicity of clioquinol. 1. Oral administration of clioquinol to several species of animals. Tateishi J, et al.
Psychiatr Neurol Jap 74:739-55, Sep 72 (Eng. Abstr.) (Pol)

URINE

Endemic goiter in Southeast Asia. New clothes on an old body. Ramalingaswami V.
Ann Intern Med 78:277-83, Feb 73 (41 ref.)

The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al.
Endocrinology 92:1028-33, Apr 73

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archbold TJ, et al.
J Anim Sci 36:57-60, Jan 73

Water-borne goitrogens and their role in the etiology of endemic goiter. Gaitán E.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)

[Age characteristics of the functional activity of the thyroid gland in rodents] Akhmetov IZ.
Zh Evol Biokhim Fiziol 8:210-2, Mar-Apr 72 (Eng. Abstr.) (Rus)

IODOPROTEINS

ANALYSIS

Membrane-bound thyroglobulin in an experimental thyroid tumor of rats. Monaco F, et al.
Biochim Biophys Acta 279:118-28, 18 Aug 72

Characterization and properties of thyroid iodoproteins from severely iodine-deficient rats. Rossi G, et al. **Endocrinology 92:1241-9, Apr 73**

Iodothyronine-glucuronide conjugates in the bile of brook trout, Salvelinus fontinalis (mitchill) and other freshwater teleosts. Sinclair DA, et al.
Gen Comp Endocrinol 19:552-98, Dec 72

BIOSYNTHESIS

Action of TSH on the in vivo incorporation of labeled amino acid into thyroglobulin and other thyroidal proteins. Paviovic-Hournac M, et al.
Endocrinology 92:1273-6, Apr 73

LONG-ACTING THYROID STIMULATOR

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

Observations on the therapeutic merit of thyroid radioablation for treatment of malignant exophthalmos. Weiss ER, et al.
Nucl Med (Stuttg) 11:226-33, 15 Nov 72

ANALYSIS

Isoelectric focusing of long-acting thyroid stimulator immunoglobulin G. Lonergan C, et al.
J Clin Endocrinol Metab 36:439-44, Mar 73

ANTAGONISTS & INHIBITORS

Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid

stimulators. Melander A, et al.
Endocrinology 92:1269-73, Apr 73
Direct evidence for human thyroidal stimulation by LATS-protector. Shishiba Y, et al.
J Clin Endocrinol Metab 36:517-21, Mar 73

BLOOD

Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**
[Thyroid acropachy with an abnormally high concentration of long acting thyroid stimulator] Momotani N, et al.
Clin Endocrinol (Tokyo) 20:649-53, Aug 72 (Jap)

PROTEIN-BOUND IODINE TEST

Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables. Jacobsen BB.
Acta Endocrinol (Kbh) 72:443-52, Mar 73
Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al.
Am J Dis Child 125:293-5, Feb 73
Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci 264:495-8, Dec 72**
Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Pittman JG, et al. **Am J Med Sci 264:499-505, Dec 72**
Achilles reflex in thyroid disorders: a 10-year clinical evaluation. Shafer RB, et al.
Am J Med Sci 264:313-7, Oct 72
Congenital hypothyroidism. Aetiological and clinical aspects. Mäenpää J. **Arch Dis Child 47:914-23, Dec 72**
PBI-ETR for routine screening of thyroid function. Boss M, et al. **Br Med J 1:352, 10 Feb 73**
Hyperthyroidism--a disease of old age? Ronnov-Jessen V, et al. **Br Med J 1:41-3, 6 Jan 73**
Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. **Brain 95:249-64, 1972**
The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat. Cullen MJ, et al. **Endocrinology 92:1028-33, Apr 73**
Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al.
Endokrinologie 60:257-72, 1972
Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73
Effect of photoperiod on thyroid function of spotted munia, Lonchura punctulata. Chancola A, et al.
Gen Comp Endocrinol 20:214-7, Feb 73
Temperature effects on thyroid function in the lizard Sceloporus cyanogenys. Walker RF.
Gen Comp Endocrinol 20:137-43, Feb 73
Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. Belshaw BE, et al.
J Clin Endocrinol Metab 36:466-74, Mar 73
Thyroxine turnover and transport in diabetes mellitus. Inada M, et al. **J Clin Endocrinol Metab 36:590-7, Mar 73**
Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. **J Pediatr 82:187-91, Feb 73**
Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr 82:1-9, Jan 73 (62 ref.)**
Triglyceride metabolism in thyroid disease. Sanderson C. **Lancet 1:547, 10 Mar 73**
The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore) 52:73-92, Jan 73**
Thyrotropin-like activity of thyroid RNA in vitro. Chernly CH, et al.
Proc Soc Exp Biol Med 142:600-3, Feb 73
Indices of unbound thyroxine in obese women. Felt V, et al. **Rev Czech Med 18:200-3, 1972**
A preliminary report on the management of high risk patients. Sandler SW. **S Afr Med J 47:23-6, 6 Jan 73**
Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med 3:3-25, Jan 73 (114 ref.)**
[Seasonal variations of the Protein-Bound Iodine (PBI) values in plasma] Röhling S, et al.
Vnitr Lek 19:135-41, Feb 73 (Eng. Abstr.) (Cze)
[Clinical assessment of a new method (Tetralute) for determination of serum thyroxine] Siersbaek-Nielsen K, et al.
Ugeskr Laeger 134:2705-8, 18 Dec 72 (Eng. Abstr.) (Dan)
[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al.
Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)
[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al.
Klin Wochenschr 50:1134-7, 15 Dec 72 (Eng. Abstr.) (Ger)
[Thyroid gland at the root of the tongue] Hara M.
Clin Endocrinol (Tokyo) 20:739-41, Sep 72 (Jap)
[Res-O-Mat ETR (effective thyroxine ratio) test] Hasegawa H, et al.
Clin Endocrinol (Tokyo) 20:883-6, Oct 72 (Jap)
[Evaluation of thyroid gland function test using thyropac-3-test based on binding of serum protein to thyroid hormones] Shimokawa T, et al.
Clin Endocrinol (Tokyo) 20:1111-5, Dec 72 (Jap)
[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test] Mori T, et al.
Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)
[Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism] Shimoyama S, et al.
Folia Endocrinol Jap 49:11-6, 20 Jan 73 (Eng. Abstr.) (Jap)
[Problems of quantitative determination of thyroid hormones and its clinical application] Nanbu M.
Jap J Clin Pathol 20:Suppl:3, 1972 (Jap)
[Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)] Inada M, et al.
Jap J Nucl Med 9:475-81, Oct 72 (Eng. Abstr.) (Jap)
[T3 adsorption mechanism of PVF sponge] Inagaki K, et al.
Jap J Nucl Med 9:463-7, Oct 72 (Eng. Abstr.) (Jap)

VETERINARY

Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al.
J Dairy Sci 56:195-201, Feb 73

THYROXINE-BINDING PROTEIN

Responsiveness to thyrotropin in primary thyroidal failure. Haque N, et al. **Am J Med Sci 264:495-8, Dec 72**
Comparative studies on the vitamin A transporting protein complex in human and cynomolgus plasma. Vahlquist A, et al. **Biochemistry 11:4526-32, 21 Nov 72**
Clinical evaluation of a new indirect indicator of serum-free thyroxine concentration. Ahreau CM, et al. **J Nucl Med 14:159-63, Mar 73**
Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
[Family with thyroxine-binding globulin (TBG) deficiency] Hayashi S, et al.
Clin Endocrinol (Tokyo) 20:875-7, Oct 72 (Jap)
[Significance of the binding of thyroid hormones with serum proteins during the process of compensation for their excess in dogs and guinea pigs] Evstratova LA, et al.
Probl Endokrinol (Mosk) 18:77-81, Jul-Aug 72 (Eng. Abstr.) (Rus)
[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI.
Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

ANALYSIS

Comparative studies on the vitamin A transporting protein complex in human and cynomolgus plasma. Vahlquist A, et al. **Biochemistry 11:4526-32, 21 Nov 72**
Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. **J Pediatr 82:187-91, Feb 73**
T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)
[Res-O-Mat ETR (effective thyroxine ratio) test] Hasegawa H, et al.
Clin Endocrinol (Tokyo) 20:883-6, Oct 72 (Jap)
[Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro

thyroid function test] Mori T, et al. **Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Eng. Abstr.) (Jap)**

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. **Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)**

BLOOD

Thyroxine turnover and transport in diabetes mellitus. Inada M, et al. **J Clin Endocrinol Metab 36:590-7, Mar 73**

METABOLISM

Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytriphetol, U-11,100A and U-11,555A. Barbosa J, et al. **J Clin Endocrinol Metab 36:666-78, Apr 73**

Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al. **J Clin Endocrinol Metab 36:706-14, Apr 73**

Further characteristics of the association of thyroxine with adenohypophysial proteins in vitro. Přihyl T, et al. **Physiol Bohemoslov 21:503-10, 1972**

Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přihyl T, et al. **Physiol Bohemoslov 21:497-502, 1972**

1. Physical and Functional Aspects

ADRENAL GLANDS

Seasonal variations in the physiology and biochemistry of the European hedgehog (Erinaceus europaeus) including comparisons with non-hibernators, guinea-pig and man. Johansson BW, et al. **Acta Physiol Scand [Suppl] 380:1-159, 1972**

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. **Clin Chem 19:312-4, Mar 73**

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al. **Fertil Steril 24:1-9, Jan 73**

ABNORMALITIES

Adrenal hypoplasia. Szalay GC. **Am J Clin Pathol 59:120, Jan 73**

Arterial hypertension and extrinsic renal artery compression: case report. Villanueva A, et al. **J Cardiovasc Surg (Torino) 13:617-9, Nov-Dec 72**

[Thymus gland hyperplasia: congenital, in association with adrenal gland hypoplasia and cytomegaly or myocarditis respectively] Niggemeyer H, et al. **Klin Paediatr 184:501-7, Nov 72 (Eng. Abstr.) (Ger)**

ANALYSIS

Regulation of glycogen metabolism in the adrenal gland. IV. The effect of insulin on glycogen synthetase, phosphorylase, and related metabolites. Piras MM, et al. **Arch Biochem Biophys 154:263-9, Jan 73**

Electron paramagnetic resonance studies on the selenium-replaced derivatives of adrenodoxin: the presence of the one selenium-one sulfur compound. Mukai K, et al. **Biochem Biophys Res Commun 50:105-10, 4 Jan 73**

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al. **Biochem Pharmacol 21:3085-8, 15 Nov 72**

Environment of the iron-sulfur chromophore in adrenodoxin studied by EPR and ENDOR spectroscopy. Mukai K, et al. **Biochim Biophys Acta 295:49-56, 25 Jan 73**

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al. **Biochim Biophys Acta 279:202-7, 18 Aug 72**

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al. **Endocrinology 92:1208-15, Apr 73**

Preparation of the heme protein P-450 from the adrenal cortex and some of its properties. Schleyer H, et al. **J Biol Chem 247:6103-10, 10 Oct 72**

The amino acid sequence of bovine adrenodoxin. Tanaka M, et al. **J Biol Chem 248:1141-57, 25 Feb 73**

Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. **J Endocrinol 55:489-97, Dec 72**

Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al. **J Pharmacol Exp Ther 184:67-72, Jan 73**

Recovery of rat adrenal amine stores after insulin administration. Slotkin TA, et al. **Mol Pharmacol 9:105-16, Jan 73**

Ouabain-induced myocardial catecholamine release: inhibition by propranolol. Ciofalo F, et al. **Res Commun Chem Pathol Pharmacol 5:73-9, Jan 73**

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al. **Steroids 21:133-45, Jan 73**

The distribution and excretion of (5,6- 14 C)eicosa-5,8,11,14-tetraynoic acid in the rat. Stenlake JB, et al. **Xenobiotica 2:441-5, Sep 72**

[Adrenal aldosterone content in newborn guinea pigs] Giry J, et al. **J Physiol (Paris) 65:Suppl:235A, Oct 72 (Fre)**

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al. **J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)**

[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. **Stud Cercet Endocrinol 24:95-103, 1973 (Rum)**

[The effect of thyreotropic hormone on the catecholamine content of various parts of the brain and adrenal glands] Nagnibida NM. **Fiziol Zh 19:106-9, 1973 (Ukr)**

ANATOMY & HISTOLOGY

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. **Am J Physiol 224:543-7, Mar 73**

Experimental adrenalectomy of pigs. Lustgarten C, et al. **Am J Vet Res 34:279-82, Feb 73**

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

Control of food intake during growth of a Walker 256 carcinosarcoma. Morrison SD. **Cancer Res 33:526-8, Mar 73**

Effects of differential preweaning social isolation on emotional reactivity and stress tolerance in the rat. Lorenz RJ. **Dev Psychobiol 5:201-13, 1972**

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al. **Gen Comp Endocrinol 20:144-9, Feb 73**

Changes in organ weights and fluid volumes during growth of the bovine fetus. Hubbert WT, et al. **Growth 36:217-33, Sep 72**

Age changes in the relationship among certain endocrine glands of bovine males. Stallcup OT. **Growth 36:311-24, Dec 72**

The effect of a sulphated mucopolysaccharide (RO1-8307) on adrenal and kidney morphology and function in the rat. Abbott EC, et al. **Hormones 3:129-43, 1972**

Effect of temperature stress on growth, reproduction, and adrenocortical function of mice. Wilson SP, et al. **J Hered 63:324-30, Nov-Dec 72**

Studies on the physical dependence of a new central analgesic; 1-(m-methoxyphenyl)-2-dimethylaminomethyl cyclohexanol (1) HCL (CG-315). Yamamoto H, et al. **Jap J Pharmacol 22:715-20, Oct 72**

Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. **Metabolism 22:435-42, Mar 73**

Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. **Steroids 20:543-54, Nov 72**

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al.
Toxicol Appl Pharmacol 24:101-13, Jan 73

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) (Jap)

[The morphology of the adrenal cortex following subjection to transversely directed accelerations of 24 hours duration] Savina EA, et al.
Kosm Biol Med 6:14-9, Jan-Feb 72 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Regional vascular volume and extravascular accumulation of labeled protein during plasma volume expansion. Studer RK, et al.
Am J Physiol 224:699-704, Mar 73

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al.
Endocrinology 92:1286-9, Apr 73

Distribution of systemic blood flow during cardiopulmonary bypass. Rudy LW Jr, et al.
J Appl Physiol 34:194-200, Feb 73

Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. Radiology 106:281-4, Feb 73

[Adrenal arteriography] Diard F, et al.
Bord Med 5:1435-48, Jun 72 (Eng. Abstr.) (Fre)

[Self regulation of adrenal blood flow during bloodletting] Juchmes J, et al.
C R Soc Biol (Paris) 166:744-6, 1972 (Fre)

[Angiographic diagnostic problems posed by malignant corticoadrenaloma] Ginestie JF, et al.
J Radiol Electrol Med Nucl 53:899-901, Dec 72 (Fre)

[The diagnostic value of selective venography in adrenal diseases] Lin SJ.
Nippon Acta Radiol 32:286-98, Jul 72 (Eng. Abstr.) (Jap)

CYTOLOGY

Early stages in postnatal development of the adrenal gland. Mikbail Y. Acta Anat (Basel) 84:138-49, 1973

Assay for the intactness of the outer membrane in isolated mitochondria. Wojtczak L, et al.
Acta Biochim Pol 19:227-34, 1972

11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria. Harano Y, et al.
Arch Biochem Biophys 153:68-73, Nov 72

The role of Ca 2+ in control of malic enzyme activity in bovine adrenal cortex mitochondria. Pfeiffer DR, et al. Biochem Biophys Res Commun 50:807-13, 5 Feb 73

An NAD- and NADP-dependent malic enzyme with regulatory properties in rat liver and adrenal cortex mitochondrial fractions. Sauer LA.
Biochem Biophys Res Commun 50:524-31, 23 Jan 73

Purification of cytochrome P-450 from bovine adrenocortical mitochondria. Shikita M, et al.
Biochem Biophys Res Commun 50:289-93, 23 Jan 73

Relation between steroidogenesis and 3',5'-cyclic AMP production in isolated adrenal cells. Nakamura M, et al. Endocrinol Jap 19:443-8, Oct 72

Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. Eur J Biochem 31:464-9, 18 Dec 72

Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic bormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitabchi AE, et al.
J Biol Chem 248:835-40, 10 Feb 73

Preparation of the heme protein P-450 from the adrenal cortex and some of its properties. Schleyer H, et al.
J Biol Chem 247:6103-10, 10 Oct 72

A new crystal-containing cell in human adrenal cortex. Magalhães MC. J Cell Biol 55:126-33, Oct 72

Pteridins and steroid hydroxylation-(I). I.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrbynchos) adrenocortical tissue preparations. Leboux JG, et al. J Steroid Biochem 3:773-9, Sep 72

Recovery of rat adrenal amine stores after insulin administration. Siotkin TA, et al.
Mol Pharmacol 9:105-16, Jan 73

Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et al. Science 179:1330-1, 30 Mar 73

Conversion of 11 ,17 ,21-trihydroxy-4-pregnene-3,20-dione-4- 14 c to 3 ,11 ,17 ,21-tetrahydroxy-5-pregnen-20-one- 14 C by reversal of the 3 -hydroxysteroid dehydrogenase-isomerase reactions. Shapiro MI.
Steroids 20:669-80, Dec 72

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al.
Toxicol Appl Pharmacol 24:101-13, Jan 73

[Development of internal Golgi saccules in the interrenal (adrenocortical) cells of urodele amphibia] Berchtold JP.
C R Acad Sci [D] (Paris) 275:2519-22, 27 Nov 72 (Ger)

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H.
Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)

[Light and electron microscopy of the zona glomerulosa of dogs following treatment with spirolactone] Rohrschneider I, et al.
Res Exp Med (Berl) 159:321-32, 1973 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72

11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria. Harano Y, et al.
Arch Biochem Biophys 153:68-73, Nov 72

ACTH stimulation of purine nucleotide biosynthesis in the adrenal cortex. ACTH stimulation of purine biosynthesis. McKerns KW, et al.
Arch Biochem Biophys 154:341-7, Jan 73

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al.
Arch Biochem Biophys 154:230-9, Jan 73

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al.
Biochem Pharmacol 21:3085-8, 15 Nov 72

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Staub JJ, et al. Br Med J 1:267-9, 3 Feb 73

Structure-activity relationships in polycyclic aromatic hydrocarbons: induction of microsomal aryl hydrocarbon hydroxylase and its possible importance in chemical carcinogenesis. Franke R.
Chem Biol Interact 6:1-17, Jan 73

Adrenal steroid biosyntbesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73

Hypertension following adrenal enucleation and its absence during desoxycorticosterone treatment in Long-Evans rats. Hall CE, et al.
Endocrinology 92:1175-81, Apr 73

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. Endocrinology 92:1089-95, Apr 73

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al.
Endocrinology 92:1286-9, Apr 73

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al.
Endocrinology 92:1208-15, Apr 73

Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Schwartz NB, et al. Endocrinology 92:1165-74, Apr 73

The effect of oestradiol benzoate on body, uterine, pituitary and adrenal weights in ovariectomized infantile and mature rats. Ber A.
Endokrinologie 60:218-29, 1972

Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man. Peytremann A, et al. Eur J Clin Invest 2:432-8, Nov 72

Further investigations on o-ethoxybenzoylhydrazone of pyruvic acid (M6-42--ethoxybydrazone). Mechanism of anti-inflammatory activity. Pisanti N, et al. Farmaco [Sci] 27:919-28, Nov 72

The effect of a sulphated mucopolysaccharide (RO1-8307) on adrenal and kidney morphology and function in the rat. Abbott EC, et al.
Hormones 3:129-43, 1972

Adrenal response to ACTH in the pig. Sebranek JG, et al. **J Anim Sci** 36:41-4, Jan 73

Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitabchi AE, et al. **J Biol Chem** 248:835-40, 10 Feb 73

Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. **J Endocrinol** 55:489-97, Dec 72

Plasma corticosterone level in runt disease. Abe T, et al. **J Natl Cancer Inst** 48:119-23, Jan 72

Adrenocortical function in persons occupationally exposed to pesticides. Morgan DP, et al. **J Occup Med** 15:26-8, Jan 73

Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. Morris HG, et al. **J Pharmacol Exp Ther** 184:180-8, Jan 73

Pteridins and steroid hydroxylation-(I). I.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrhynchos) adrenocortical tissue preparations. Lehoux JG, et al. **J Steroid Biochem** 3:773-9, Sep 72

Studies on the physical dependence of a new central analgesic; 1-(m-methoxypbenyl)-2-dimethylaminomethyl cyclohexanol (1) HCL (CG-315). Yamamoto H, et al. **Jap J Pharmacol** 22:715-20, Oct 72

Recovery of rat adrenal amine stores after insulin administration. Siotkin TA, et al. **Mol Pharmacol** 9:105-16, Jan 73

Hydrocortisone as a possible inductor of Na + -K + -ATPase in the chick embryo cerebral hemispheres. Effect of metopirone. Stastný F. **Physiol Bohemosiov** 21:479-84, 1972

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. **Proc Soc Exp Biol Med** 142:656-9, Feb 73

The role of social isolation and sex in determining effects of chlordiazepoxide and methylphenidate on exploratory behaviour. Hughes RN, et al. **Psychopharmacologia** 27:359-66, 1972

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al. **Q J Med** 42:175-204, Jan 73

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res** 28:287-351, 1972

Angiotensin. II. Important role in the maintenance of arterial blood pressure. Johnson JA, et al. **Science** 179:906-7, 2 Mar 73

Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et al. **Science** 179:1330-1, 30 Mar 73

Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. **Steroids** 20:543-54, Nov 72

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al. **Toxicol Appl Pharmacol** 24:101-13, Jan 73

[Stimulation of the fetal adrenals during pregnancy] Honnebier WJ. **Ned Tijdschr Geneeskd** 116:1962-3, 21 Oct 72 **(Dut)**

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al. **Ann Endocrinol (Paris)** 33:301-3, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. **Ann Endocrinol (Paris)** 33:299-300, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. **C R Acad Sci [D] (Paris)** 274:3585-8, 26 Jun 72 **(Fre)**

[Corticosteroid fractions of ovaries in intact and NH4C1-treated rabbits with special reference to seasonal changes] Fazekas IG, et al. **Endokrinologie** 60:181-93, 1972 (Eng. Abstr.) **(Ger)**

[Influence of ACTH and metopirone on the excretion of cortisol metabolites in endogenous depression during thioridazine administration] Stančáková A, et al. **Endokrinologie** 60:205-17, 1972 (Eng. Abstr.) **(Ger)**

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H. **Endokrinologie** 60:161-80, 1972 (Eng. Abstr.) **(Ger)**

[Light and electron microscopy of the zona glomerulosa of dogs following treatment with spirolactone] Rohrschneider I, et al. **Res Exp Med (Berl)** 159:321-32, 1973 (Eng. Abstr.) **(Ger)**

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al. **Virchows Arch [Pathol Anat]** 358:149-62, 1973 (Eng. Abstr.) **(Ger)**

[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al. **Virchows Arch [Pathol Anat]** 358:45-59, 1973 (Eng. Abstr.) **(Ger)**

[Clinical study of the effect of xylitol on adrenal cortex function] Suzawa A. **Clin Endocrinol (Tokyo)** 20:1091-9, Dec 72 **(Jap)**

[Effect of CT-1341, a new steroid anesthetic agent on adrenocortical function in man] Maeda A, et al. **Jap J Anesthesiol** 22:59-65, Jan 73 (Eng. Abstr.) **(Jap)**

[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al. **Ginekol Pol** 43:1429-34, 1972 (Eng. Abstr.) **(Pol)**

[The effect of thyreotropic hormone on the catecholamine content of various parts of the brain and adrenal glands] Nagnibida NM. **Fiziol Zh** 19:106-9, 1973 **(Ukr)**

EMBRYOLOGY

[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui J, et al. **C R Acad Sci [D] (Paris)** 275:999-1009, 28 Aug 72 **(Fre)**

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. **C R Acad Sci [D] (Paris)** 274:3585-8, 26 Jun 72 **(Fre)**

ENZYMOLOGY

Early stages in postnatal development of the adrenal gland. Mikhail Y. **Acta Anat (Basel)** 84:138-49, 1973

Histochemistry of hydroxysteroid dehydrogenases in the testis, adrenocartical tissue, and corpuscles of Stannius of Pseudopleuronectes americanus. Bara G. **Acta Histochem (Jena)** 44:333-47, 1972

Histochemical, microscopic and electron microscopic examinations of adrenal cell cortex in two cases of thrombangitis obliterans. Beskid M, et al. **Acta Histochem (Jena)** 44:264-77, 1972

11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria. Harano Y, et al. **Arch Biochem Biophys** 153:68-73, Nov 72

Regulation of glycogen metabolism in the adrenal gland. IV. The effect of insulin on glycogen synthetase, phosphorylase, and related metabolites. Piras MM, et al. **Arch Biochem Biophys** 154:263-9, Jan 73

The role of hypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Parvez H, et al. **Biochem Biophys Res Commun** 50:901-7, 5 Feb 73

The role of Ca 2+ in control of malic enzyme activity in bovine adrenal cortex mitochondria. Pfeiffer DR, et al. **Biochem Biophys Res Commun** 50:807-13, 5 Feb 73

An NAD- and NADP-dependent malic enzyme with regulatory properties in rat liver and adrenal cortex mitochondrial fractions. Sauer LA. **Biochem Biophys Res Commun** 50:524-31, 23 Jan 73

Purification of cytochrome P-450 from bovine adrenocortical mitochondria. Shikita M, et al. **Biochem Biophys Res Commun** 50:289-93, 23 Jan 73

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al. **Biochim Biophys Acta** 279:202-7, 18 Aug 72

Some systemic effects of malignant tumors. I. Co-enzyme A levels. Rapp GW. **Cancer** 31:357-60, Feb 73

Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. **Endocrinology** 92:1089-95, Apr 73

Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. **Eur J Biochem** 31:464-9, 18 Dec 72

[Relationship between l-asparaginase activity and the oncogenic power of different Agrobacterium

tumefaciens mutants (Smith and Town.) Conn] Snoeijing R, et al. **Histochemie 33:323-32, 1973**

Studies on adrenal steroid hydroxylases. Molecular and catalytic properties of adrenodoxin reductase (a flavoprotein). Chu JW, et al.
J Biol Chem 248:2089-94, 25 Mar 73

Preparation of the heme protein P-450 from the adrenal cortex and some of its properties. Schleyer H, et al.
J Biol Chem 247:6103-10, 10 Oct 72

Dietary regulation of liver glucose-6-phosphate dehydrogenase in the rat: starvation and dietary carbohydrate induction. Sassoon HF, et al.
J Nutr 103:321-35, Mar 73

Pteridins and steroid hydroxylation-(1). 1.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrhynchos) adrenocortical tissue preparations. Lehoux JG, et al. **J Steroid Biochem 3:773-9, Sep 72**

Isolation and cbaracterization of multiple forms of phenylethanolamine N-methyltransferase. Joh TH, et al. **Mol Pharmacol 9:117-29, Jan 73**

Conversion of 11 ,17 ,21-trihydroxy-4-pregnene-3,20-dione-4- 14 c to 3 ,11 ,17 ,21-tetrahydroxy-5-pregnen-20-one- 14 C by reversal of the 3 -hydroxysteroid dehydrogenase-isomerase reactions. Shapiro M1.
Steroids 20:669-80, Dec 72

Metabolism of 3 H-digitoxigenin by rat liver, adrenal, and ovary homogenates. Talcott RE, et al.
Steroids 21:87-94, Jan 73

[Ultrastructural localization of glucose-6-phosphatase in the rat adrenal cortex] Penasse W, et al.
Histochemie 34:117-26, 6 Feb 73 (Eng. Abstr.) (Fre)

[Esterase. VI. The effect of testosterone on the unspecific carboxyl esterase in mouse kidney during postnatal development] Wehler E, et al.
Histochemie 33:47-52, 1973 (Eng. Abstr.) (Ger)

[2,3-trans-Hexenoyl-CoA-reductase and 2,3-trans-decenoyl-CoA-reductase as components of microsomal, malonyl-CoA-dependent or mitochondrial acetyl CoA dependent chain prolongation of fatty acids] Podack ER, et al.
Hoppe Seylers Z Physiol Chem 353:1557, Oct 72 (Ger)

[Intraerythrocytic cyanide metabolism in chronic renal insufficiency] Korz R.
Klin Wochenschr 51:78-81, 15 Jan 73 (Eng. Abstr.) (Ger)

[The morphology of the adrenal cortex following subjection to transversely directed accelerations of 24 hours duration] Savina EA, et al.
Kosm Biol Med 6:14-9, Jan-Feb 72 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Early stages in postnatal development of the adrenal gland. Mikhail Y. **Acta Anat (Basel) 84:138-49, 1973**

Compensatory growtb of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72

Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přibyl T, et al.
Physiol Bohemoslov 21:497-502, 1972

IMMUNOLOGY

Comparison of juvenile diabetics with positive and negative organ specific antibody titers. Evidence for genetic heterogeneity. Nissley SP, et al.
Diabetes 22:63-5, Jan 73

Isolation and characterization of multiple forms of phenylethanolamine N-metbyltransferase. Job TH, et al. **Mol Pbarmacol 9:117-29, Jan 73**

[Autoimmune reactions in persons of various ages] Fixa B, et al.
Cas Lek Cesk 112:146-8, 2 Feb 73 (Eng. Abstr.) (Cze)

INNERVATION

Early stages in postnatal development of tbe adrenal gland. Mikhail Y. **Acta Anat (Basel) 84:138-49, 1973**

METABOLISM

Early stages in postnatal development of the adrenal gland. Mikhail Y. **Acta Anat (Basel) 84:138-49, 1973**

Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals. Axelrod LR, et al.
Acta Endocrinol (Kbh) 72:545-50, Mar 73

C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metabolism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and absence of ACTH in vitro. Ducharme JR, et al.
Acta Endocrinol (Kbh) 72:63-74, Jan 73

Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973

Histochemical, microscopic and electron micros opic examinations of adrenal cell cortex in two cas s of thrombangitis obliterans. Beskid M, et al.
Acta Histochem (Jena) 44:264-77, 1972

Effects of temperature stress on catecholamines and corticosterone of male turkeys. el-Halawani ME, et al.
Am J Physiol 224:384-8, Feb 73

Circadian rhythms in catecholamines in organs of the golden hamster. Lew GM, et al.
Am J Physiol 224:503-8, Mar 73

Toxicity of carbon disulphide. Magos L.
Ann Occup Hyg 15:303-11, Nov 72

11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria. Harano Y, et al.
Arch Biochem Biophys 153:68-73, Nov 72

ACTH stimulation of purine nucleotide biosynthesis in tbe adrenal cortex. ACTH stimulation of purine biosyntbesis. McKerns KW, et al.
Arch Biochem Biophys 154:341-7, Jan 73

Regulation of glycogen metabolism in the adrenal gland. 1V. The effect of insulin on glycogen synthetase, pbosphorylase, and related metabolites. Piras MM, et al.
Arch Biochem Biophys 154:263-9, Jan 73

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al.
Arch Biochem Biophys 154:230-9, Jan 73

Purification of cytochrome P-450 from bovine adrenocortical mitochondria. Shikita M, et al.
Biochem Biophys Res Commun 50:289-93, 23 Jan 73

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

Relation between steroidogenesis and 3',5'-cyclic AMP production in isolated adrenal cells. Nakamura M, et al. **Endocrinol Jap 19:443-8, Oct 72**

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al.
Endocrinology 92:1286-9, Apr 73

Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al.
Fertil Steril 24:126-30, Feb 73

Studies on the specificity of the radio-bioassay for corticotropbin. Bukovsan W.
Gen Comp Endocrinol 19:392-6, Dec 72

Rates of adrenal cholesterol formation by the hamster, sheep, guinea pig, and rat from labeled pyruvate, in vitro. Lloyd BJ.
Gen Comp Endocrinol 19:428-31, Dec 72

How simple is hirsutism?
J Assoc Physicians India 20:785-6, Oct 72

Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitabchi AE, et al.
J Biol Chem 248:835-40, 10 Feb 73

Distribution and metabolism of dipbenylbydantoin in oral and nonoral tissues of ferrets. Steinberg AD, et al.
J Dent Res 52:267-70, Mar-Apr 73

Reversible binding of labelled and non-labelled thyrotropbin by intact tbyroid tissue in vitro. Manley SW, et al. **J Endocrinol 55:555-63, Dec 72**

Relation between adrenal cortex and hepatic protein synthesis in protein-calorie-deficient rats. Enwonwu CO, et al. **J Nutr 103:290-301, Feb 73**

Recovery of rat adrenal amine stores after insulin administration. Slotkin TA, et al.
Mol Pbarmacol 9:105-16, Jan 73

Effects of sodium deprivation on pituitary and plasma prolactin, growth bormone, and thyrotropin levels in the rat. Relkin R, et al.
Neuroendocrinology 11:240-7, 1973

Diagnosis and treatment of birsutism in women. Karp L, et al. **Obstet Gynecol 41:283-94, Feb 73 (44 ref.)**

Organ growth and tbyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals

and salivary glands. Přibyl T, et al.
Physiol Bohemoslov 21:497-502, 1972

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al.
Proc Soc Exp Biol Med 142:656-9, Feb 73

Effects of whole-body irradiation and hormones on drug metabolism in the liver endoplasmic reticulum. Knott JC, et al. **Radiat Res 53:65-76, Jan 73**

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et al. **Science 179:1330-1, 30 Mar 73**

Metabolism of 3 H-digitoxigenin by rat liver, adrenal, and ovary homogenates. Talcott RE, et al.
Steroids 21:87-94, Jan 73

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al.
Toxicol Appl Pharmacol 24:101-13, Jan 73

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al.
Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 (Fre)

[Properties of the cyclic AMP binding protein of the bovine adrenal cortex] Satre M, et al.
C R Acad Sci [D] (Paris) 275:125-8, 3 Jul 72 (Fre)

[Corticosteroid fractions of ovaries in intact and NH4Cl-treated rabbits with special reference to seasonal changes] Fazekas IG, et al.
Endokrinologie 60:181-93, 1972 (Eng. Abstr.) (Ger)

[Mineralocorticoid syndrome] Wolff HP, et al.
Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)

[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al.
Virchows Arch [Pathol Anat] 358:45-59, 1973 (Eng. Abstr.) (Ger)

[Clinical study of the effect of xylitol on adrenal cortex function] Suzawa A.
Clin Endocrinol (Tokyo) 20:1091-9, Dec 72 (Jap)

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) (Jap)

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

[Iron, copper, cobalt and zinc metabolism in dogs with atophan ulcers] Parashchak AP.
Biol Nauki 3:36-42, 1972 (Rus)

[The use of neurotropic drugs in the study of the mechanisms of nonesterified fatty acid mobilization evoked by overstimulation in rats] Nikul'cheva NG.
Farmakol Toksikol 35:610-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Relation between the glucocorticoid activity of the adrenals, cardiovascular system and electrolyte metabolism during prolonged work] Viru AA, et al.
Fiziol Zh SSSR 59:105-10, Jan 73 (Eng. Abstr.) (Rus)

[The effect of radioprotectors on the functional state of blood-tissue barriers in animals with limited mobility] Sabaev VV, et al.
Kosm Biol Med 6:7-10, Jan-Feb 72 (Eng. Abstr.) (Rus)

[The morphology of the adrenal cortex following subjection to transversely directed accelerations of 24 hours duration] Savina EA, et al.
Kosm Biol Med 6:14-9, Jan-Feb 72 (Eng. Abstr.) (Rus)

PATHOLOGY

Histochemical, microscopic and electron microscopic examinations of adrenal cell cortex in two cases of thrombangitis obliterans. Beskid M, et al.
Acta Histochem (Jena) 44:264-77, 1972

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

Observations on spontaneous pathological lesions in chacma baboons (Papio ursinus). Weber HW, et al.
Am J Phys Anthropol 38:407-13, Mar 73

Pathology of 12 fatal cases of Argentine hemorrhagic fever. Elsner B, et al.
Am J Trop Med Hyg 22:229-36, Mar 73

Changing pattern of autopsy findings in patients dying of cholera after 1960. Norris HT.
Am J Trop Med Hyg 22:215-22, Mar 73

Listeria as a cause of abortion and neonatal mortality in sheep. Broadbent DW.
Aust Vet J 48:391-4, Jul 72 (35 ref.)

Theca granuloma cell tumor arising in adrenal. Orselli RC, et al. **Cancer 31:474-7, Feb 73**

The Eck fistula rat: definition of an experimental model. Herz R, et al. **Eur J Clin Invest 2:390-7, Nov 72**

Reinvestigation of the pathogenesis of familial xanthomatosis through conjoint cytochemical, ultrastructural, and biochemical studies. Maggi V, et al. **Exp Mol Pathol 17:348-64, Dec 72**

Generalized amyloidosis in a cat. Crowell WA, et al.
J Am Vet Med Assoc 161:1127-33, 15 Nov 72

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K.
J Clin Endocrinol Metab 36:433-8, Mar 73

Peculiar structures in the mitochondria of the hyperplastic adrenal cortical cells in Cushing's syndrome. Ishihara T, et al.
J Electron Microsc (Tokyo) 21:169-74, 1972

Relation between adrenal cortex and hepatic protein synthesis in protein-calorie-deficient rats. Enwonwu CO, et al. **J Nutr 103:290-301, Feb 73**

Renal amyloidosis--a fourteen-year follow-up. Triger DR, et al. **Q J Med 42:15-40, Jan 73**

Amyloidosis in Hodgkin's disease. Falkson G, et al.
S Afr Med J 47:62-4, 13 Jan 73

Adrenal zona glomerulosa after hypophysectomy in the Mongolian gerbil. Nickerson PA.
Tissue Cell 4:677-86, 1972

Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Goodwin TJ, et al.
Tubercle 53:251-4, Dec 72

Congenital nephropathy and chronic diarrhoea with hypokalemic alkalosis. Hager-Malecka B, et al.
Z Kinderheilkd 114:31-8, 22 Jan 73

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al.
Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)

[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al.
Virchows Arch [Pathol Anat] 358:45-59, 1973 (Eng. Abstr.) (Ger)

[Effect of coenzyme Q 10 on experimental hypertensive cardiovascular disease in desoxycorticosterone acetate-saline loaded rats] Igarashi T, et al.
Folia Pharmacol Jap 68:460-72, Jul 72 (Eng. Abstr.) (Jap)

[Nutritional studies of edible fats. 3. Effects of selected fats on morphological changes in various organs] Ziemlański S, et al.
Rocz Panstw Zaki Hig 23:685-94, 1972 (Eng. Abstr.) (Pol)

[Case of congenital listeriosis] Pribluda BA.
Arkh Patol 35:77-8, 1973 (Eng. Abstr.) (Rus)

PHYSIOLOGY

The effect of an oestrogenic steroid on the secondary immune response under different hormonal environments. Thanavala YM, et al.
Acta Endocrinol (Kbh) 72:582-6, Mar 73

Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973

Human endocrine-metabolic responses to graded oxygen pressures. Hale HB, et al.
Aerosp Med 44:33-6, Jan 73

Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al.
Aerosp Med 44:1-4, Jan 73

The effects of massive doses of methylprednisolone on

myocardial contractility and peripheral vascular resistance. Tecklenberg PL, et al. **Am Heart J 85:216-26, Feb 73**

Does the human fetal adrenal play a role in parturition? Murphy BE. **Am J Obstet Gynecol 115:521-5, 15 Feb 73**

Pulmonary edema and hemorrhage resulting from cerebral compression. Chen HI, et al. **Am J Physiol 224:223-9, Feb 73**

Adrenal influence on the supercompensation of cardiac glycogen following exercise. Poland JL, et al. **Am J Physiol 224:540-2, Mar 73**

The role of Ca 2+ in control of malic enzyme activity in bovine adrenal cortex mitochondria. Pfeiffer DR, et al. **Biochem Biophys Res Commun 50:807-13, 5 Feb 73**

Anti-inflammatory and pharmacokinetic properties of sudoxicam N-(2-thiazolyl)-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide. Wiseman EH, et al. **Biochem Pharmacol 21:2323-34, 1 Sep 72**

Adrenocorticoids and RNA metabolism in kidney. I. Effect of adrenalectomy on RNA turnover in various subcellular fractions of rat kidney. Mishra RK, et al. **Biochim Biophys Acta 287:106-12, 16 Nov 72**

Hypertension following adrenal enucleation and its absence during desoxycorticosterone treatment in Long-Evans rats. Hall CE, et al. **Endocrinology 92:1175-81, Apr 73**

The physiological response to aldosterone in adrenalectomized and intact rats and its sex dependence. Morris DJ, et al. **Endocrinology 92:989-93, Apr 73**

The action of glucocorticoids on glutamic acid metabolism. Cherkasova LS, et al. **Endokrinologie 60:273-8, 1972**

Studies of the effect of adrenals on thyroid hormone release following its acute depletion by isovolemic exchange transfusion. Langer P, et al. **Endokrinologie 60:238-46, 1972**

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al. **Endokrinologie 60:257-72, 1972**

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Tallián F, et al. **Endokrinologie 60:279-84, 1972**

Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man. Peytremann A, et al. **Eur J Clin Invest 2:432-8, Nov 72**

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al. **Gen Comp Endocrinol 20:144-9, Feb 73**

Biochemical data on some organs from normal or prolactin-treated Xenopus laevis (Daudin) adults reared in fresh and in salt water. Giunta C, et al. **Gen Comp Endocrinol 20:183-9, Feb 73**

Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al. **Horm Metab Res 4:433-8, Nov 72**

Renin-angiotensin system in chronically hypophysectomized rats. Rojo-Ortega JM, et al. **Horm Metab Res 4:500-5, Nov 72**

The effect of a sulphated mucopolysaccharide (RO1-8307) on adrenal and kidney morphology and function in the rat. Abbott EC, et al. **Hormones 3:129-43, 1972**

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. **Hormones 3:42-64, 1972**

Enhanced uridine kinase in rat liver following 5-azacytidine administration. In vivo characterization and properties of partially purified enzyme. Cihák A, et al. **J Biol Chem 248:1307-13, 25 Feb 73**

Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al. **J Biol Chem 248:478-83, 25 Jan 73**

A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments. Morris ML, et al. **J Biol Chem 248:1459-65, 25 Feb 73**

Plasma-corticosterone levels during active-avoidance learning in rats. Coover GD, et al. **J Comp Physiol Psychol 82:170-4, Jan 73**

Behavioral responsiveness of adrenalectomized, hypophysectomized, and intact rats to electric shock. Gibbs J, et al. **J Comp Physiol Psychol 82:165-9, Jan 73**

Sodium appetite in adrenalectomized rats following dietary sodium deprivation. Jalowiec JE, et al. **J Comp Physiol Psychol 82:66-77, Jan 73**

Effect of temperature stress on growth, reproduction, and adrenocortical function of mice. Wilson SP, et al. **J Hered 63:324-30, Nov-Dec 72**

Corticoid binding component in rat brain. Chytil F, et al. **J Neurochem 19:2877-80, Dec 72**

The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr. **J Neurochem 19:2737-45, Dec 72**

Relation between adrenal cortex and hepatic protein synthesis in protein-calorie-deficient rats. Enwonwu CO, et al. **J Nutr 103:290-301, Feb 73**

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. **J Obstet Gynaecol Br Commonw 79:846-8, Sep 72**

Adrenocortical function in persons occupationally exposed to pesticides. Morgan DP, et al. **J Occup Med 15:26-8, Jan 73**

Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. Djahanguiri B, et al. **J Pharmacol Exp Ther 184:163-8, Jan 73**

Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al. **J Physiol (Lond) 227:21P-22P, Dec 72**

The initiation mechanism in the action of aldosterone on sodium transport. Edelman IS. **J Steroid Biochem 3:167-72, Feb 72**

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. **J Steroid Biochem 3:767-72, Sep 72**

The role of aldosterone in the regulation of (Na + + K +)-ATPase in rat kidney. Jorgensen PL. **J Steroid Biochem 3:181-91, Feb 72**

A stucy on the effect of aldosterone on the extramitochondrial adenine nucleotide system in rat kidney. Kirsten E, et al. **J Steroid Biochem 3:173-9, Feb 72**

Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. **J Steroid Biochem 3:193-200, Feb 72**

Glucocorticoid and mineralocorticoid receptors for aldosterone. Rousseau G, et al. **J Steroid Biochem 3:219-27, Feb 72**

Effect of aldosterone on sodium and potassium transport in the kidney. Wiederholt M, et al. **J Steroid Biochem 3:151-9, Feb 72**

The effect of premature weaning on the response of rat adrenals to stress and ACTH. Hromadová M, et al. **Physiol Bohemoslov 21:329-35, 1972**

Regulatory effect of amino acids on polyribosomes and protein synthesis of liver. Sidransky H. **Prog Liver Dis 4:31-43, 1972 (70 ref.)**

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

Diabetes through the ages: a salute to insulin. Schneider T. **S Afr Med J 46:1394-400, 23 Sep 72**

Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. **Steroids 20:543-54, Nov 72**

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al. **Steroids 20:609-20, Nov 72**

A radioimmunoassay of androstenedione. Thorneycroft IH, et al. **Steroids 21:111-22, Jan 73**

[Function of the adrenal cortex in blood donors] Bumba J, et al. **Vnitr Lek 19:32-4, Jan 73 (Eng. Abstr.) (Cze)**

[The value of an ACTH stimulation test for assessing the hypothalamus-hypophysis-adrenal cortex axis in patients treated with glucocorticoid preparations] Kehlet H, et al. **Ugeskr Laeger 134:2089-92, 2 Oct 72 (Eng. Abstr.) (Dan)**

[Effect of low-frequency mechanical vibrations on the corticoadrenal function in humans] Pesquies P, et al. **C R Soc Biol (Paris) 166:874-8, 1972 (Fre)**

[Adrenal cortex function in normal newborn infants. Investigation with a method of blood cortisol determination using microsamplings] Hadjian AJ, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:604-5, Sep 72 (Fre)**

[Proliferating activity of the female rat adrenal cortex during the estrus cycle and at the end of pregnancy] Bertholet JY, et al. **J Physiol (Paris) 65:Suppl 1:101A+, 1972 (Fre)**

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H. **Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)**

[Significance of 3',5'-cyclic AMP in the gastric secretion of the rat] Domschke W, et al. **Hoppe Seylers Z Physiol Chem** 353:1509, Oct 72 **(Ger)**

[In-vitro stimulation of gluconeogenesis from pyruvate and 14CO2 fixation in kidney cortex of adrenalectomized rat using dexamethasone phosphate and vasopressin] Stumpf B, et al. **Hoppe Seylers Z Physiol Chem** 353:1571-2, Oct 72 **(Ger)**

[Steroid contraceptives and sarcoidosis] Scharkoff T, et al. **Z Erkr Atmungsorgane** 137:61-73, 1972 **(Ger)**

[Catecholamines and arteriosclerosis] Miyahara M, et al.
Clin Endocrinol (Tokyo) 20:613-20, Aug 72 (100 ref.) **(Jap)**

[Studies on vegetative brain centers in children] Niewiedzioł B. **Pol Tyg Lek** 28:65-7, 8 Jan 73 **(Pol)**

[The effect of blockade and stimulation of m-cholinoreactive systems on the levels of free fatty acids, ketone bodies and sugar in the blood] Gurin VN, et al.
Farmakol Toksikol 35:691-5, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[The effect of blockade and stimulation of the n-cholinoreactive systems on the level of free fatty acids, ketone bodies and sugar in the blood of rats] Gurin VN, et al.
Farmakol Toksikol 35:615-9, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

[The role of the adrenal glands in mobilizing carbohydrate and fat resources upon overstimulation of rats] Khechinashvili GG.
Farmakol Toksikol 35:575-80, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

[The effect of ornid on various biochemical changes in the liver affected by neurogenic dystrophy] Korkhov VV.
Farmakol Toksikol 35:619-23, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

[The role of adrenal cortex hormones in the inhibiting action of imipramine-like antidepressants on the tryptophan pyrrolase activity of the rat liver] Samsonova ML.
Farmakol Toksikol 35:629-32, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

[Salivation in man under normal conditions and in disease] Netakhata ZbN, et al.
Klin Med (Mosk) 50:15-22, Sep 72 **(Rus)**

[The morphology of the adrenal cortex following subjection to transversely directed accelerations of 24 hours duration] Savina EA, et al.
Kosm Biol Med 6:14-9, Jan-Feb 72 (Eng. Abstr.) **(Rus)**

[Further studies on the influence of the salivary glands on adrenal cortex activity] Barabash RD.
Probl Endokrinol (Mosk) 18:103-6, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[The endocrine function of the thymus] Gruntenko EV.
Probl Endokrinol (Mosk) 18:110-5, Nov-Dec 72 (108 ref.) **(Rus)**

[Some characteristics of adrenal cortex function in newborns from mothers with adrenal pathology] Tabolin VA, et al.
Vopr Okhr Materin Det 17:48-52, Jul 72 (Eng. Abstr.) **(Rus)**

[Ontogenic development of gastric secretion] Zaks MG, et al.
Zh Evol Biokhim Fiziol 8:102-8, Jan-Feb 72 (54 ref.) **(Rus)**

PHYSIOPATHOLOGY

Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task. O'Hanlon JF, et al. **Aerosp Med** 44:129-34, Feb 73

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. **Aerosp Med** 44:190-3, Feb 73

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)

Corticoadrenal and adrenergic overactivity and hyperlipidemia in prolonged emotional stress. Argüelles AE, et al. **Hormones** 3:167-74, 1972

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972

Adrenal response to ACTH in the pig. Sebranek JG, et al. **J Anim Sci** 36:41-4, Jan 73

Plasma corticosterone level in runt disease. Abe T, et al. **J Natl Cancer Inst** 48:119-23, Jan 72

Pantothenic acid in schizophrenia. Monro J.
Lancet 1:262-3, 3 Feb 73

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al. **Q J Med** 42:175-204, Jan 73

Role of the adrenal cortex in hypertension. Liddle GW, et al. **South Med J** 66:51-4, Jan 73

[Method for psychosocial stress and physiological response in rats] Snel J.
J Physiol (Paris) 65:Suppl:328A, Oct 72 **(Fre)**

[Kinetic study of blood cortisol during coma: changes in the circadian rhythm] Bertrand A, et al.
Sem Hop Paris 48:2935-41, 8 Nov 72 (Eng. Abstr.) **(Fre)**

[Effect of ammonium chloride therapy on bronchial asthma] Fazekas IG.
Allerg Immunol (Leipz) 18:57-64, 1972 (Eng. Abstr.) **(Ger)**

[Endocrinologic reaction of the host animal to parasitic infections] Harisch G, et al.
Int J Parasitol 2:45-53, Mar 72 (Eng. Abstr.) **(Ger)**

[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. **Stud Cercet Endocrinol** 24:95-103, 1973 **(Rum)**

[Functional state of the adrenal cortex of the newborn from mothers with late pregnancy toxemia] Sudakova AI, et al.
Vopr Okhr Materin Det 17:52-5, Jul 72 (Eng. Abstr.) **(Rus)**

[Function of the adrenal cortex and metabolism of C-21 steroids in children with mucoviscidosis] Tabolin VA, et al.
Vopr Okhr Materin Det 17:41-4, Sep 72 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. **Radiology** 106:281-4, Feb 73

[Adrenal arteriography] Diard F, et al.
Bord Med 5:1435-48, Jun 72 (Eng. Abstr.) **(Fre)**

SECRETION

Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973

Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task. O'Hanlon JF, et al. **Aerosp Med** 44:129-34, Feb 73

Induction of hepatic synthesis of serum proteins in response to stimulation of olfactory bulbs. Palma JA, et al. **Arch Int Physiol Biochim** 80:669-77, Oct 72

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Staub JJ, et al. **Br Med J** 1:267-9, 3 Feb 73

Stimulation of aldosterone secretion by hemorrhage in dogs after nephrectomy and decapitation. McCaa RE, et al. **Circ Res** 32:356-62, Mar 73

Circadian patterns of urine 17-OHC and VMA excretion during sleep deprivation. Poland RE, et al.
Dis Nerv Syst 33:456-8, Jul 72

Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al.
Eur J Pharmacol 20:238-40, Nov 72

Adrenocorticotropic activity in vitro of the chick embryo pituitary gland. Pedernera EA.
Gen Comp Endocrinol 19:589-91, Dec 72

Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. **J Comp Physiol Psychol** 82:60-5, Jan 73

Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. **J Endocrinol** 55:489-97, Dec 72

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al.
J Natl Cancer Inst 49:813-9, Sep 72

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. **J Steroid Biochem** 3:767-72, Sep 72

Role of the adrenal cortex in hypertension. Liddle GW, et al. **South Med J** 66:51-4, Jan 73

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 **(Fre)**

[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui J, et al.
C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 **(Fre)**

[Influence of ACTH and metopirone on the excretion of cortisol metabolites in endogenous depression during thioridazine administration] Stančáková A, et al. Endokrinologie 60:205-17, 1972 (Eng. Abstr.) (Ger)
[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H.
Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)
[Hormonally inactive adrenal cortex carcinomas] Kollias G. Z Urol Nephrol 65:671-7, Sep 72 (Ger)

SURGERY

Certain anesthesiologic problems in urological operations. Kuś M, et al. Pol Med J 11:1203-9, 1972

ADRENALECTOMY

The effect of an oestrogenic steroid on the secondary immune response under different hormonal environments. Thanavala YM, et al.
Acta Endocrinol (Khh) 72:582-6, Mar 73
Pulmonary edema and hemorrhage resulting from cerebral compression. Chen HI, et al.
Am J Physiol 224:223-9, Feb 73
Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al.
Am J Physiol 224:543-7, Mar 73
Adrenal influence on the supercompensation of cardiac glycogen following exercise. Poland JL, et al.
Am J Physiol 224:540-2, Mar 73
Anti-inflammatory and pharmacokinetic properties of sudoxicam
N-(2-thiazolyl)-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide. Wiseman EH, et al. Biochem Pharmacol 21:2323-34, 1 Sep 72
Adrenocorticoids and RNA metabolism in kidney. I. Effect of adrenalectomy on RNA turnover in various subcellular fractions of rat kidney. Mishra RK, et al.
Biochim Biophys Acta 287:106-12, 16 Nov 72
External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al.
Can Med Assoc J 107:860-2, 4 Nov 72
Nonbacterial pneumonitis with multidrug antineoplastic therapy in breast carcinoma. Stutz FH, et al. Can Med Assoc J 108:710-4, 17 Mar 73
Hypertension following adrenal enucleation and its absence during desoxycorticosterone treatment in Long-Evans rats. Hall CE, et al.
Endocrinology 92:1175-81, Apr 73
The physiological response to aldosterone in adrenalectomized and intact rats and its sex dependence. Morris DJ, et al.
Endocrinology 92:989-93, Apr 73
The action of glucocorticoids on glutamic acid metabolism. Cherkasova LS, et al.
Endokrinologie 60:273-8, 1972
Studies of the effect of adrenals on thyroid hormone release following its acute depletion by isovolemic exchange transfusion. Langer P, et al.
Endokrinologie 60:238-46, 1972
Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al.
Endokrinologie 60:257-72, 1972
Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72
Further investigations on o-ethoxybenzoylhydrazone of pyruvic acid (M6-42--ethoxyhydrazone). Mechanism of anti-inflammatory activity. Pisanti N, et al. Farmaco [Sci] 27:919-28, Nov 72
Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al.
Horm Metab Res 4:433-8, Nov 72
Hormones and water movement through the vertebrate intestine. Matty AJ, et al. Hormones 3:42-64, 1972
Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al.
J Biol Chem 248:478-83, 25 Jan 73
A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments. Morris ML, et al.
J Biol Chem 248:1459-65, 25 Feb 73
Buerger's disease: cigarette smoker disease may always be cured by medical therapy alone. Uselessness of operative treatment. Corelli F.
J Cardiovasc Surg (Torino) 14:28-36, Jan-Feb 73
Thromboangiosis or thromboangeitis treated by adrenalectomy and sympathectomy from 1942 to 1962. A follow-up study of 110 cases. Kunlin J, et al.
J Cardiovasc Surg (Torino) 14:21-7, Jan-Feb 73
Evolution and prognosis of thromboangeitis obliterans. Van der Stricht J, et al.
J Cardiovasc Surg (Torino) 14:9-16, Jan-Feb 73
Epidemiological, angiographic and clinical aspects of Buerger's disease. Zannini G, et al.
J Cardiovasc Surg (Torino) 14:17-20, Jan-Feb 73
Symposium on Buerger's diseases. Discussion.
J Cardiovasc Surg (Torino) 14:47-51, Jan-Feb 73
Behavioral responsiveness of adrenalectomized, hypophysectomized, and intact rats to electric shock. Gibbs J, et al. J Comp Physiol Psychol 82:165-9, Jan 73
Sodium appetite in adrenalectomized rats following dietary sodium deprivation. Jalowiec JE, et al.
J Comp Physiol Psychol 82:66-77, Jan 73
Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. J Endocrinol 55:489-97, Dec 72
Corticoid binding component in rat brain. Chytil F, et al. J Neurochem 19:2877-80, Dec 72
The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr.
J Neurochem 19:2737-45, Dec 72
Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. Djahanguiri B, et al.
J Pharmacol Exp Ther 184:163-8, Jan 73
Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al.
J Physiol (Lond) 227:21P-22P, Dec 72
The initiation mechanism in the action of aldosterone on sodium transport. Edelman IS.
J Steroid Biochem 3:167-72, Feb 72
Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. J Steroid Biochem 3:767-72, Sep 72
The role of aldosterone in the regulation of (Na + + K +)-ATPase in rat kidney. Jorgensen PL.
J Steroid Biochem 3:181-91, Feb 72
A stucy on the effect of aldosterone on the extramitochondrial adenine nucleotide system in rat kidney. Kirsten E, et al.
J Steroid Biochem 3:173-9, Feb 72
Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72
Glucocorticoid and mineralocorticoid receptors for aldosterone. Rousseau G, et al.
J Steroid Biochem 3:219-27, Feb 72
Effect of aldosterone on sodium and potassium transport in the kidney. Wiederholt M, et al.
J Steroid Biochem 3:151-9, Feb 72
Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73
Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)
18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972
Role of the adrenal cortex in hypertension. Liddle GW, et al. South Med J 66:51-4, Jan 73
Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73
Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72
A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73
Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement. Newsome HH Jr, et al. Surgery 73:429-33, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP.
C R Acad Sci [D] (Paris) 274:3585-8, 26 Jun 72 (Fre)
[New data on mechanisms involved in the early mating induced by estrogens in female rats during 4 day cycles] Vidal N, et al.
C R Soc Biol (Paris) 166:683-6, 1972 (Fre)
[1 stage palliative surgery of essential arterial

hypertension (current technic of splanchni-sympathico-bilateral adrenalectomy by median abdominal approach)] Vaysse J, et al. **J Chir (Paris) 103:451-64, May-Jun 72 (Eng. Abstr.) (Fre)**

[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al. **Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)**

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

[Significance of 3',5'-cyclic AMP in the gastric secretion of the rat] Domschke W, et al. **Hoppe Seylers Z Physiol Chem 353:1509, Oct 72 (Ger)**

[In-vitro stimulation of gluconeogenesis from pyruvate and 14CO2 fixation in kidney cortex of adrenalectomized rat using dexamethasone phosphate and vasopressin] Stumpf B, et al. **Hoppe Seylers Z Physiol Chem 353:1571-2, Oct 72 (Ger)**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Pregnancy, labor and puerperium in a patient who had undergone total bilateral adrenalectomy because of Cushing's syndrome] Zara C, et al. **Arch Ostet Ginecol 77:129-42, Apr 72 (Eng. Abstr.) (Ita)**

[Metabolism of cartilaginous sulfomucopolysaccharides in adrenalectomized and escin-treated rats] Diomede-Fresa V, et al. **Arch Sci Med (Torino) 129:145-9, Jul-Sep 72 (Eng. Abstr.) (Ita)**

[Exogenic cortisol and cortisone metabolism during the time of non-stress and surgical stress] Funyu T, et al. **Clin Endocrinol (Tokyo) 20:731-7, Sep 72 (Jap)**

[Ulcerations due to steroid administration] Szalach E. **Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)**

[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al. **Stud Cercet Endocrinol 23:377-88, 1972 (Rum)**

[Some characteristics of adrenal cortex function in newborns from mothers with adrenal pathology] Tabolin VA, et al. **Vopr Okhr Materin Det 17:48-52, Jul 72 (Eng. Abstr.) (Rus)**

[Ontogenic development of gastric secretion] Zaks MG, et al. **Zh Evol Biokhim Fiziol 8:102-8, Jan-Feb 72 (54 ref.) (Rus)**

[Transmembrane distribution of eletrolytes in the cerebral cortex in sexually immature rats with adrenal gland insufficiency] Levchenko MN. **Fiziol Zh 19:80-5, 1973 (Eng. Abstr.) (Ukr)**

[Cytomorphologic study of lymphoid tissue in adrenalectomized guinea pigs following induction of delayed hypersensitivity and additional antigenic effect] Valueva TK, et al. **Fiziol Zh 19:92-8, 1973 (Eng. Abstr.) (Ukr)**

ADVERSE EFFECTS

[Ophthalmoplegic migraine following total adrenalectomy for Itsenko-Cushing disease] Fridberg DI, et al. **Probl Endokrinol (Mosk) 18:50-2, Nov-Dec 72 (Rus)**

[The effect of bilateral total adrenalectomy on the state of the sella turcica in patients with Itsenko-Cushing disease] Il'ina OI, et al. **Probl Endokrinol (Mosk) 18:38-43, Nov-Dec 72 (Eng. Abstr.) (Rus)**

MORTALITY

Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. **Steroids 20:543-54, Nov 72**

VETERINARY

Experimental adrenalectomy of pigs. Lustgarten C, et al. **Am J Vet Res 34:279-82, Feb 73**

Surgical technique for adrenalectomy in bovines (Bos bubalis). Manohar M, et al. **Br Vet J 128:lv-lvii, Oct 72**

PITUITARY-ADRENAL FUNCTION TESTS

External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al. **Can Med Assoc J 107:860-2, 4 Nov 72**

Evaluation of the child with isosexual precocious puberty. Root AW. **Del Med J 45:73-9, Mar 73**

The diagnostic evaluation of the hypertensive patient. Bower PJ, et al. **J La State Med Soc 125:43-6, Feb 73**

Studies on the adrenocortical hormone therapy in idiopathic nephrotic syndrome in children. Maki S, et al. **Med J Osaka Univ 22:259-300, Mar 72**

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore) 52:73-92, Jan 73**

Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al. **South Med J 66:313-6, Mar 73**

[Function of the adrenal cortex in blood donors] Bumba J, et al. **Vnitr Lek 19:32-4, Jan 73 (Eng. Abstr.) (Cze)**

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)**

[Adrenal cortex function in normal newborn infants. Investigation with a method of blood cortisol determination using microsamplings] Hadjian AJ, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:604-5, Sep 72 (Fre)**

[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. **Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)**

[Endocrinological functional diagnostics in medical practice] Husmann F, et al. **Z Allgemeinmed 48:1389-92, 31 Oct 72 (Ger)**

[The quantity of circulating peripheral blood eosinophils and the Thorn test in strokes] Davidovich SIa. **Klin Med (Mosk) 50:36-8, Sep 72 (Eng. Abstr.) (Rus)**

[Steroid diagnosis of adrenal cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A. **Bratisl Lek Listy 59:214-26, Feb 73 (Slo)**

II. Disorders of the Adrenal Glands

ADDISON'S DISEASE

Chronic adrenal cortical insufficiency--Addison's disease. Jones FE.
J Am Pharm Assoc 13:99-102, Feb 73
[Ulcerations due to steroid administration] Szalach E.
Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)

BLOOD

Characteristics of "big ACTH" in human plasma and pituitary extracts. Yalow RS, et al.
J Clin Endocrinol Metab 36:415-23, Mar 73
Plasma cortisol level in normal Indian subjects and its variation in disease. Koshy TS, et al.
J Indian Med Assoc 59:89-92, 1 Aug 72
Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72
[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al.
Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)
Psychiatric aspects of Addison's disease: report of a case. Thompson WF. Med Ann DC 42:62-4, Feb 73
Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Goodwin TJ, et al.
Tubercle 53:251-4, Dec 72

DIAGNOSIS

Salivary indicators of systemic disease. Wotman S, et al.
Postgrad Med 53:73-8, Mar 73
The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Goodwin TJ, et al.
Tubercle 53:251-4, Dec 72
[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K.
Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)
[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 (Jap)
[Kay's test and gastric mucosa biopsy in Addison's disease] Kalina Z, et al.
Pol Tyg Lek 28:4-5, 1 Jan 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

Psychiatric aspects of Addison's disease: report of a case. Thompson WF. Med Ann DC 42:62-4, Feb 73

HISTORY

Thomas Addison; teacher, diagnostician and chest physician. (Addison T), Sharma OP.
Chest 63:125, Jan 73

IMMUNOLOGY

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73

METABOLISM

Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man. Peytremann A, et al. Eur J Clin Invest 2:432-8, Nov 72

PATHOLOGY

Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Goodwin TJ, et al.
Tubercle 53:251-4, Dec 72

PHYSIOPATHOLOGY

[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 (Jap)
[Kay's test and gastric mucosa biopsy in Addison's disease] Kalina Z, et al.
Pol Tyg Lek 28:4-5, 1 Jan 73 (Eng. Abstr.) (Pol)

THERAPY

Self-medication with liquorice in a patient with Addison's disease. Cotterill JA, et al.
Lancet 1:294-5, 10 Feb 73

URINE

Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood. Franks RC.
J Clin Endocrinol Metab 36:702-5, Apr 73

ADRENAL GLAND DISEASES

[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)
[Some characteristics of adrenal cortex function in newborns from mothers with adrenal pathology] Tabolin VA, et al.
Vopr Okhr Materin Det 17:48-52, Jul 72 (Eng. Abstr.) (Rus)

BLOOD

A radioimmunoassay for serum dehydroepiandrosterone sulfate. Sekihara H, et al.
Steroids 20:813-24, Dec 72

CHEMICALLY INDUCED

Corticosteroid withdrawal in asthma. Batten JC, et al.
Br Med J 1:296, 3 Feb 73
Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. Radiology 106:281-4, Feb 73

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
Exomphalos and Beckwith syndrome. Fernandes CT, et al. Cent Afr J Med 18:247-8, Dec 72
Roentgen evaluation of Wilms' tumor. Clark RE.
CRC Crit Rev Radiol Sci 3:543-76, Dec 72 (112 ref.)
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Surgery of arterial hypertension. (Indications and results)] Auvert J, et al.
J Chir (Paris) 104:195-212, Sep 72 (Fre)
[Mineralocorticoid syndrome] Wolff HP, et al.
Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)
[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. Jap J Clin Med 30:2204-14, Nov 72 (Jap)

CONGENITAL

Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia. Fliegner JR, et al.
J Obstet Gynaecol Br Commonw 79:810-5, Sep 72
Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
[Congenital adrenal gland hyperplasia during

pregnancy] Wildschut J.
Ned Tijdschr Geneeskd 116:1963-4, 21 Oct 72 (Dut)

DIAGNOSIS

On the preparation of dichlorodiphenyldichloroethane-131 I (DDD- 131 I). Alvarez Cervera J, et al. Int J Appl Radiat Isot 24:187, Mar 73
Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)
[Mineralocorticoid syndrome] Wolff HP, et al.
Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)
[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. Jap J Clin Med 30:2204-14, Nov 72 (Jap)
[Steroid diagnosis of adrenal cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A.
Bratisl Lek Listy 59:214-26, Feb 73 (Slo)

DRUG THERAPY

Metabolic aspects of the Beckwith-Wiedemann syndrome. Schiff D, et al. J Pediatr 82:258-62, Feb 73

ETIOLOGY

[Climatic therapy and catamnesis of neurodermatitis] Pürschel W.
Arch Dermatol Forsch 244:357-62, 1972 (Ger)

METABOLISM

Metabolic aspects of the Beckwith-Wiedemann syndrome. Schiff D, et al. J Pediatr 82:258-62, Feb 73
[Mineralocorticoid syndrome] Wolff HP, et al.
Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)

PATHOLOGY

Observations on spontaneous pathological lesions in chacma baboons (Papio ursinus). Weber HW, et al.
Am J Phys Anthropol 38:407-13, Mar 73
[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)
[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)

RADIOGRAPHY

Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. Radiology 106:281-4, Feb 73
[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)
[The diagnostic value of selective venography in adrenal diseases] Lin SJ.
Nippon Acta Radiol 32:286-98, Jul 72 (Eng. Abstr.) (Jap)

SURGERY

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)

URINE

Congenital lipoid adrenal hyperplasia in an eight-year-old phenotypic female. Kirkland RT, et al.
J Clin Endocrinol Metab 36:438-96, Mar 73

VETERINARY

Observations on spontaneous pathological lesions in chacma baboons (Papio ursinus). Weber HW, et al.
Am J Phys Anthropol 38:407-13, Mar 73

ADRENAL GLAND HYPERFUNCTION

[Advances in internal medicine] Laroche C, et al.
Rev Prat 22:Suppl:29-32, 25 Nov 72 (Fre)

BLOOD

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Role of the adrenal cortex in hypertension. Liddle GW, et al. South Med J 66:51-4, Jan 73
Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73
[Idiopathic femur head necrosis with hyperuricemia and dyslipemia in the adult] Fischer V, et al.
Munch Med Wochenschr 114:1937-41, 3 Nov 72 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K.
Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)
[Hyperlipemia] Nakamura H.
Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) (Jap)
[Adrenocortical reactivity in ischemic heart disease. Blood eosinopenia as an indirect test of reactive hypercorticism] Panaitescu G, et al.
Med Interna (Bucur) 24:1117-30, Sep 72 (Eng. Abstr.) (Rum)

DRUG THERAPY

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. J Clin Endocrinol Metab 36:482-7, Mar 73
Role of the adrenal cortex in hypertension. Liddle GW, et al. South Med J 66:51-4, Jan 73

ETIOLOGY

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. J Clin Endocrinol Metab 36:482-7, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Relation between the level of corticosteroids and gastric emptying] Dumas J.
J Physiol (Paris) 65:Suppl:229A, Oct 72 (Fre)
[Adrenocortical reactivity in ischemic heart disease. Blood eosinopenia as an indirect test of reactive hypercorticism] Panaitescu G, et al.
Med Interna (Bucur) 24:1117-30, Sep 72 (Eng. Abstr.) (Rum)
[Function of the adrenal cortex and metabolism of C-21 steroids in children with mucoviscidosis] Tabolin VA, et al.
Vopr Okhr Materin Det 17:41-4, Sep 72 (Eng. Abstr.) (Rus)

METABOLISM

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)

PHYSIOPATHOLOGY

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Role of the adrenal cortex in hypertension. Liddle GW, et al. South Med J 66:51-4, Jan 73

SURGERY

[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al.
Stud Cercet Endocrinol 23:377-88, 1972 (Rum)

ADRENAL GLAND HYPOFUNCTION

[Idiopathic familial chronic hypoparathyroidism in infancy. Description of 2 cases classifiable in the

Whitaker syndrome] Corvaglia E.
Minerva Pediatr 25:104-19, 4 Feb 73 (Eng. Abstr.) (Ita)

BLOOD

[The effect of adrenaline, inderal and hydrocortisone on the incorporation of 1-C 14 acetate into the fatty acids of human blood] Kheĭdemanis KK, et al.
Probl Endokrinol (Mosk) 18:43-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Pantothenic acid in schizophrenia. Monro J.
Lancet 1:262-3, 3 Feb 73
[Glucocorticoid] Miura K, et al.
Clin Endocrinol (Tokyo) 20:813-6, Oct 72 (11 ref.) (Jap)

COMPLICATIONS

Statement on hypoglycemia.
Ann Intern Med 78:300-1, Feb 73
Hypoglycemia in adults.
Med Lett Drugs Ther 14:7-8, 4 Feb 72
[Determination of plasma cortisol levels in children treated with ACTH during Still's disease and rheumatoid arthritis] Rajmann E, et al.
Z Kinderheilkd 114:69-82, 22 Jan 73 (Eng. Abstr.) (Ger)
[Myopathy caused by endocrine diseases] Shishiba Y.
Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) (Jap)

DIAGNOSIS

Special report. Statement on hypoglycemia.
Diabetes 22:137, Feb 73
Plasma cortisol. Chhetri MK.
J Indian Med Assoc 59:118-9, 1 Aug 72
Metabolic emergencies. Lorenz MD.
Vet Clin N Amer 2:331-9, May 72 (6 ref.)
[Thymus gland hyperplasia: congenital, in association with adrenal gland hypoplasia and cytomegaly or myocarditis respectively] Niggemeyer H, et al.
Klin Paediatr 184:501-7, Nov 72 (Eng. Abstr.) (Ger)

DRUG THERAPY

Pantothenic acid in schizophrenia. Monro J.
Lancet 1:262-3, 3 Feb 73
Metabolic emergencies. Lorenz MD.
Vet Clin N Amer 2:331-9, May 72 (6 ref.)
[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al.
Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)

IMMUNOLOGY

[Immunofluorescence in internal medicine] Storch W.
Z Gesamte Inn Med 27:1061-7, 15 Dec 72 (200 ref.) (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Metabolic emergencies. Lorenz MD.
Vet Clin N Amer 2:331-9, May 72 (6 ref.)
[The endocrine function of the thymus] Gruntenko EV.
Probl Endokrinol (Mosk) 18:110-5, Nov-Dec 72 (108 ref.) (Rus)

THERAPY

Hypoglycemia in adults.
Med Lett Drugs Ther 14:7-8, 4 Feb 72

VETERINARY

Metabolic emergencies. Lorenz MD.
Vet Clin N Amer 2:331-9, May 72 (6 ref.)

ADRENAL GLAND NEOPLASMS

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**
Mechanism of syncytium formation between XC sarcoma cells and murine endocrine carcinoma cells. Korinek JK, et al. **J Natl Cancer Inst 49:1269-75, Nov 72**
[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)

BLOOD

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73

CHEMICALLY INDUCED

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. **Cancer Res 33:220-5, Feb 73**

CLASSIFICATION

[Hormonally inactive adrenal cortex carcinomas] Kollias G. **Z Urol Nephrol 65:671-7, Sep 72 (Ger)**

COMPLICATIONS

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**
Experience with radioisotope scanning of the pancreas. Steven LW, et al. **Med J Aust 2:867-73, 14 Oct 72**
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Kidney involvement in neuroblastoma. Varkarakis MJ, et al. **NY State J Med 72:2753-6, 15 Nov 72**
The gynecologic aspects of adrenal tumors. Zourlas PA, et al. **Obstet Gynecol 41:234-8, Feb 73**
Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Surgery of arterial hypertension. (Indications and results)] Auvert J, et al.
J Chir (Paris) 104:195-212, Sep 72 (Fre)
[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al.
Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)
[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al.
Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)
[Arrhythmia in a case of hypokalemia caused by Conn's syndrome] Sekso M, et al.
Wien Med Wochenschr 122:753-6, 9 Dec 72 (Ger)
[Diabetes associated with endocrine diseases] Shima K, et al. **Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)**
[Favorable results of treatment of Cushing's syndrome due to adrenocortical carcinoma] Zukowski W, et al.
Wiad Lek 26:255-7, 1 Feb 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**
The diagnostic evaluation of the hypertensive patient. Bower PJ, et al. **J La State Med Soc 125:43-6, Feb 73**
Localization of adrenal tumors by photoscanning. Herwig KR, et al. **J Urol 109:2-4, Jan 73**
Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46-1972.
N Engl J Med 287:1033-40, 16 Nov 72
[Adrenal cysts and pseudocysts] Leger L, et al.
J Chir (Paris) 104:107-20, Sep 72 (Eng. Abstr.) (Fre)
[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al.
Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)
[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)

[Hormonally inactive adrenal cortex carcinomas] Kollias G. Z Urol Nephrol 65:671-7, Sep 72 (Ger)
[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 (Jap)
[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. Jap J Clin Med 30:2204-14, Nov 72 (Jap)

DRUG THERAPY

Mitotane use in inoperable adrenal cortical carcinoma. Luhitz JA, et al. JAMA 223:1109-12, 5 Mar 73
[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. Cancer Res 33:220-5, Feb 73
[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Differential diagnosis of the cancer family syndrome. Lynch HT, et al. Surg Gynecol Obstet 136:221-4, Feb 73

METABOLISM

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73
[Calcium-loss-kidney of multiple myeloma and its metabolic consecutive reactions] Kaiser W, et al.
Z Gesamte Inn Med 27:995-9, 15 Nov 72 (Eng. Abstr.) (Ger)

MORTALITY

[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)

OCCURRENCE

Childhood abdominal masses. Lee SL.
J Singapore Paediatr Soc 14:107-14, Oct 72

PATHOLOGY

Theca granuloma cell tumor arising in adrenal. Orselli RC, et al. Cancer 31:474-7, Feb 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46-1972.
N Engl J Med 287:1033-40, 16 Nov 72
The gynecologic aspects of adrenal tumors. Zourias PA, et al. Obstet Gynecol 41:234-8, Feb 73
[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al.
Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)
[Hormonally inactive adrenal cortex carcinomas] Kollias G. Z Urol Nephrol 65:671-7, Sep 72 (Ger)
[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)

PHYSIOPATHOLOGY

[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al.
Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)
[Clinical and biochemical aspects of hormone-producing adrenal gland carcinoma] Nitschke U, et al.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Eng. Abstr.) (Ger)
[Hormonally inactive adrenal cortex carcinomas] Kollias G. Z Urol Nephrol 65:671-7, Sep 72 (Ger)

RADIOGRAPHY

Parasitic blood supply of neoplasms. Mechanisms and significance. Sprayregen S.
Radiology 106:529-35, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Ureteroceles] Schulman CC.
Acta Urol Belg 40:687-719, Jul 72 (Eng. Abstr.) (Fre)
[Adrenal arteriography] Diard F, et al.
Bord Med 5:1435-48, Jun 72 (Eng. Abstr.) (Fre)
[Angiographic diagnostic problems posed by malignant corticoadrenaloma] Ginestie JF, et al.
J Radiol Electrol Med Nucl 53:899-901, Dec 72 (Fre)
[Hormonally inactive adrenal cortex carcinomas] Kollias G. Z Urol Nephrol 65:671-7, Sep 72 (Ger)

SURGERY

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73
The gynecologic aspects of adrenal tumors. Zourias PA, et al. Obstet Gynecol 41:234-8, Feb 73
Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73
[Alpha-blocking and antiarrhythmic effects of droperidol--neuroleptoanesthesia for pheochromocytoma] Morikawa S, et al.
Jap J Anesthesiol 21:1268-74, Nov 72 (Eng. Abstr.) (Jap)

URINE

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73

ADRENAL GLANDS

ABNORMALITIES

Adrenal hypoplasia. Szalay GC.
Am J Clin Pathol 59:120, Jan 73
Arterial hypertension and extrinsic renal artery compression: case report. Villanueva A, et al.
J Cardiovasc Surg (Torino) 13:617-9, Nov-Dec 72
[Thymus gland hyperplasia: congenital, in association with adrenal gland hypoplasia and cytomegaly or myocarditis respectively] Niggemeyer H, et al.
Klin Paediatr 184:501-7, Nov 72 (Eng. Abstr.) (Ger)

ADRENOGENITAL SYNDROME

Gender dimorphic behavior and fetal sex hormones. Money J, et al. Recent Prog Horm Res 28:735-63, 1972

BLOOD

Interference of 21-deoxycortisol with cortisol assay methods. Cook DM, et al.
J Clin Endocrinol Metab 36:608-10, Mar 73
[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)

COMPLICATIONS

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al.
Clin Genet 3:490-4, 1972
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)
[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)

CONGENITAL

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al.
Clin Genet 3:490-4, 1972

DIAGNOSIS

Ambiguous genitalia.
Med Lett Drugs Ther 14:20, 17 Mar 72
[A case of adrenogenital syndrome manifested in puberty] Markovski N.
Akush Ginekol (Sofiia) 11:232-6, 1972 (Eng. Abstr.) (Bul)

FAMILIAL & GENETIC

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al. **Clin Genet 3:490-4, 1972**

URINE

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al. **Clin Genet 3:490-4, 1972**

CUSHING'S SYNDROME

Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al. **South Med J 66:313-6, Mar 73**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Ulcerations due to steroid administration] Szalach E. **Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)**

BLOOD

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. **J Clin Endocrinol Metab 36:730-3, Apr 73**

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al. **J Clin Endocrinol Metab 36:445-51, Mar 73**

Characteristics of "big ACTH" in human plasma and pituitary extracts. Yalow RS, et al. **J Clin Endocrinol Metab 36:415-23, Mar 73**

Plasma cortisol level in normal Indian subjects and its variation in disease. Koshy TS, et al. **J Indian Med Assoc 59:89-92, 1 Aug 72**

[Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH] Nakai Y, et al. **Clin Endocrinol (Tokyo) 20:879-82, Oct 72 (Jap)**

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H. **Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)**

CHEMICALLY INDUCED

[Osteoporosis in multiple sclerosis] Dechamps P, et al. **Acta Neurol Belg 72:215-25, Jul-Aug 72 (Eng. Abstr.) (Fre)**

[Intentions of systemic glucocorticoid (GC) therapy] Goerz G. **Arch Dermatol Forsch 244:400-3, 1972 (Ger)**

[Topical administration of corticosteroids and their adverse effects] Gschwandtner WR. **Wien Klin Wochenschr 85:49-54, 26 Jan 73 (Eng. Abstr.) (Ger)**

COMPLICATIONS

Medullary carcinoma of the thyroid. Hill CS Jr. **Am Fam Physician 7:99-105, Feb 73**

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. **Cardiovasc Clin 4:305-31, 1972 (86 ref.)**

Massive articular osteolysis in rheumatoid arthritis, treated by total hip replacement. Case report and review of literature. Kennedy WR, et al. **Clin Orthop 90:161-73, Jan-Feb 73**

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

The gynecologic aspects of adrenal tumors. Zourlas PA, et al. **Obstet Gynecol 41:234-8, Feb 73**

[Surgery of arterial hypertension. (Indications and results)] Auvert J, et al. **J Chir (Paris) 104:195-212, Sep 72 (Fre)**

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

[Pseudotumorous enlargement of mediastinal adipose tissue in Cushing's disease] Němec J, et al. **Fortschr Geb Roentgenstr Nuklearmed 118:106-7, Jan 73 (Ger)**

[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K. **Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)**

[Adrenocortical hormones and arteriosclerosis] Takeda R, et al. **Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)**

[Diabetes associated with endocrine diseases] Shima K, et al. **Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)**

[Myopathy caused by endocrine diseases] Shishiba Y. **Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) (Jap)**

DIAGNOSIS

Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of Cushing's syndrome. Croughs RJ, et al. **Acta Endocrinol (Khh) 72:54-62, Jan 73**

External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al. **Can Med Assoc J 107:860-2, 4 Nov 72**

Plasma cortisol. Chhetri MK. **J Indian Med Assoc 59:118-9, 1 Aug 72**

Localization of adrenal tumors by photoscanning. Herwig KR, et al. **J Urol 109:2-4, Jan 73**

An orderly search for a vascular lesion producing hypertension. Wall CA, et al. **J Urol 108:511-4, Oct 72**

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al. **Q J Med 42:175-204, Jan 73**

Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al. **South Med J 66:313-6, Mar 73**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K. **Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)**

[Obesity] Irie M, et al. **Jap J Clin Med 30:2230-4, Nov 72 (20 ref.) (Jap)**

[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. **Jap J Clin Med 30:2204-14, Nov 72 (Jap)**

DRUG THERAPY

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. **J Clin Endocrinol Metab 36:730-3, Apr 73**

[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al. **Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)**

[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. **Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Enzyme induction in the liver--its mechanism and clinical significance] Yamamoto T, et al. **Jap J Clin Med 30:1952-65, Sep 72 (148 ref.) (Jap)**

[Favorable results of treatment of Cushing's syndrome due to adrenocortical carcinoma] Zukowski W, et al. **Wiad Lek 26:255-7, 1 Feb 73 (Eng. Abstr.) (Pol)**

[The effect of dipbenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al. **Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)**

ENZYMOLOGY

The effect of obesity and Cushing's disease on the incorporation of glucose into lipid and esterification of palmitate by human adipose tissue. Wilson JP, et al. **Eur J Clin Invest 2:379-83, Nov 72**

ETIOLOGY

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K. **J Clin Endocrinol Metab 36:433-8, Mar 73**

Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al. **South Med J 66:313-6, Mar 73**

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **Trans Am Assoc Genitourin Surg 64:90-3, 1972**

[Favorable results of treatment of Cushing's syndrome due to adrenocortical carcinoma] Zukowski W, et al. **Wiad Lek 26:255-7, 1 Feb 73 (Eng. Abstr.) (Pol)**

[Cushing's syndrome secondary to a bronchopulmonary malignant tumor (paraneoplastic Cushing syndrome)] Manasia M, et al.
Stud Cercet Endocrinol 24:135-40, 1973 (Rum)

METABOLISM

The effect of obesity and Cushing's disease on the incorporation of glucose into lipid and esterification of palmitate by human adipose tissue. Wilson JP, et al.
Eur J Clin Invest 2:379-83, Nov 72
[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)
[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

PATHOLOGY

Peculiar structures in the mitochondria of the hyperplastic adrenal cortical cells in Cushing's syndrome. Ishihara T, et al.
J Electron Microsc (Tokyo) 21:169-74, 1972
Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73
[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)

PHYSIOPATHOLOGY

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73
Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73
18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972
[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B.
Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al.
Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)
[The effect of bilateral total adrenalectomy on the state of the sella turcica in patients with Itsenko-Cushing disease] Il'ina OI, et al.
Probl Endokrinol (Mosk) 18:38-43, Nov-Dec 72 (Eng. Abstr.) (Rus)
[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

RADIOTHERAPY

External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al.
Can Med Assoc J 107:860-2, 4 Nov 72
Irradiation of the hypophysis. Mackenzie P, et al.
Can Med Assoc J 108:136, 20 Jan 73
[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)

SURGERY

External irradiation of the hypophysis for Cushing's disease. Edmonds MW, et al.
Can Med Assoc J 107:860-2, 4 Nov 72
Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al.
Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)
[Pregnancy, labor and puerperium in a patient who had undergone total bilateral adrenalectomy because of Cushing's syndrome] Zara C, et al.
Arch Ostet Ginecol 77:129-42, Apr 72 (Eng. Abstr.) (Ita)
[Ophthalmoplegic migraine following total adrenalectomy for Itsenko-Cushing disease] Fridberg DI, et al.
Probl Endokrinol (Mosk) 18:50-2, Nov-Dec 72 (Rus)

THERAPY

Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome. Wild W, et al.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73
[Transphenoidal hypophysectomy in the treatment of Cushing's disease] Marriq P, et al.
Nouv Presse Med 1:3203, 30 Dec 72 (Fre)
[The effect of bilateral total adrenalectomy on the state of the sella turcica in patients with Itsenko-Cushing disease] Il'ina OI, et al.
Probl Endokrinol (Mosk) 18:38-43, Nov-Dec 72 (Eng. Abstr.) (Rus)

URINE

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73
Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood. Franks RC.
J Clin Endocrinol Metab 36:702-5, Apr 73
Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K.
J Clin Endocrinol Metab 36:433-8, Mar 73
Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73

HYPERALDOSTERONISM

[Hypokalemic alkalosis with hyperplasia of the juxtaglomerular apparatus: Bartter's syndrome?] Codaccioni JL, et al.
Ann Endocrinol (Paris) 33:281-4, May-Jun 72 (Fre)

BLOOD

Radioimmunoassay of angiotensin and determination of renin activity. Page LB.
Prog Nucl Med 2:85-106, 1972 (60 ref.)
[Development and application of the radioimmunologic assay of plasma aldosterone and renin activity] Corvol P, et al.
Ann Endocrinol (Paris) 33:285-6, May-Jun 72 (Eng. Abstr.) (Fre)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)
[Pathogenesis of essential hypertension with suppressed plasma renin activity] Uchida K.
Folia Endocrinol Jap 48:674-84, 20 Dec 72 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

Self-induced secondary hyperaldosteronism simulating Bartter's syndrome. Ben-Ishay D, et al.
Isr J Med Sci 8:1835-9, Nov 72

COMPLICATIONS

Faecal sodium-potassium ratio and aldosteronism in experimental hypertension in the rat. Swales JD, et al.
Clin Sci 43:577-81, Oct 72
Renin-angiotensin system and hypertension.
J Assoc Physicians India 20:377-8, May 72
[Surgery of arterial hypertension. (Indications and results)] Auvert J, et al.
J Chir (Paris) 104:195-212, Sep 72 (Fre)
[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al.
Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)
[Pharmacological and biological approach to migraines] Lereboullet J, et al.
Rev Prat 22:1901-6, 21 Apr 72 (Fre)
[Pathogenesis of hypertension in primary

aldosteronism] Distler A, et al.
Dtsch Med Wochenschr 98:100-5, 19 Jan 73 (Eng. Abstr.) **(Ger)**
[Arrhythmia in a case of hypokalemia caused by Conn's syndrome] Sekso M, et al.
Wien Med Wochenschr 122:753-6, 9 Dec 72 **(Ger)**
[Myopathy caused by endocrine diseases] Shishiba Y.
Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) **(Jap)**
[Liver cirrhosis. 3. Advances in treatment] Koziolowa H. **Pol Arch Med Wewn** 50:47-50, Jan 73 **(Pol)**

DIAGNOSIS

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972
An orderly search for a vascular lesion producing hypertension. Wall CA, et al. **J Urol** 108:511-4, Oct 72
Salivary indicators of systemic disease. Wotman S, et al.
Postgrad Med 53:73-8, Mar 73
[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. **Jap J Clin Med** 30:2204-14, Nov 72 **(Jap)**

DRUG THERAPY

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972
A kindred with familial glucocorticoid suppressible aldosteronism. Glebink GS, et al.
J Clin Endocrinol Metab 36:715-23, Apr 73
[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al.
Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) **(Fre)**
[Pathogenesis of hypertension in primary aldosteronism] Distler A, et al.
Dtsch Med Wochenschr 98:100-5, 19 Jan 73 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Determination of plasma renin activity by radioimmunoassay of angiotensin I. Fukuchi S, et al.
Clin Sci 44:43-54, Jan 73

ETIOLOGY

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Hypertension with aldosterone excess. Robertson JI, et al. **Anglo Ger Med Rev** 6:55-73, Mar 72
Studies on the site of renal salt loss in a patient with Bartter's syndrome. Chaimovitz C, et al.
Pediatr Res 7:89-94, Feb 73
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al.
Trans Am Assoc Genitourin Surg 64:47-53, 1972
[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al.
Clin Endocrinol (Tokyo) 20:869-73, Oct 72 **(Jap)**

FAMILIAL & GENETIC

A kindred with familial glucocorticoid suppressible aldosteronism. Glebink GS, et al.
J Clin Endocrinol Metab 36:715-23, Apr 73

METABOLISM

Faecal sodium-potassium ratio and aldosteronism in experimental hypertension in the rat. Swales JD, et al.
Clin Sci 43:577-81, Oct 72
Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. Waldhäusl W, et al. **Eur J Clin Invest** 3:1-9, Jan 73
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972
[Abnormalities of sodium and water metabolism with special reference to hypertensive diseases] Mizukoshi H, et al.
Jap J Clin Med 30:2215-22, Nov 72 (52 ref.)

PATHOLOGY

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al.
Am J Med Sci 264:367-74, Nov 72
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972
Self-induced secondary hyperaldosteronism simulating Bartter's syndrome. Ben-Ishay D, et al.
Isr J Med Sci 8:1835-9, Nov 72

PHYSIOPATHOLOGY

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones** 3:65-76, 1972
18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res** 28:287-351, 1972
Role of the adrenal cortex in hypertension. Liddle GW, et al. **South Med J** 66:51-4, Jan 73
[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al.
Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) **(Fre)**
[Pathogenesis of hypertension in primary aldosteronism] Distler A, et al.
Dtsch Med Wochenschr 98:100-5, 19 Jan 73 (Eng. Abstr.) **(Ger)**
[Pathogenesis of essential hypertension with suppressed plasma renin activity] Uchida K.
Folia Endocrinol Jap 48:674-84, 20 Dec 72 (Eng. Abstr.) **(Jap)**

URINE

Evaluation of a simplified technic for the measurement of aldosterone in human urine. Bravo EL.
Am J Clin Pathol 59:22-30, Jan 73
Urinary free aldosterone in healthy people and in patients with primary aldosteronism. Deck KA, et al.
J Clin Endocrinol Metab 36:756-60, Apr 73
Determination of aldosterone by sephadex LH-20 chromatography and radioimmunoassay. Waldhäusl W, et al. **Steroids** 20:727-36, Dec 72

WATERHOUSE-FRIDERICHSEN SYNDROME

DRUG THERAPY

[Fulminating forms of meningococcal infections in children. Proposal of a therapeutic procedure] Saint-Martin J, et al.
Arch Fr Pediatr 29:469-92, May 72 (Eng. Abstr.) **(Fre)**

THERAPY

[Fulminating forms of meningococcal infections in children. Proposal of a therapeutic procedure] Saint-Martin J, et al.
Arch Fr Pediatr 29:469-92, May 72 (Eng. Abstr.) **(Fre)**

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

Steroid determination from complex mixtures by high pressure chromatographic techniques. Landgraf WC, et al. **J Pharm Sci 62:278-81, Feb 73**

The effect of drugs on immunological renal disease. Clarkson AR, et al.
Prog Biochem Pharmacol 7:427-51, 1972 (104 ref.)

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

Experimental models of degenerative joint disease. Moskowitz RW.
Semin Arthritis Rheum 2:95-116, Summer 72 (66 ref.)

ADMINISTRATION & DOSAGE

Displacement of sulfonylureas from human serum proteins by coumarin derivatives and cortical steroids. Judis J. **J Pharm Sci 62:232-7, Feb 73**

The efficacy of local steroid injection in the treatment of stenosing tenovaginitis. Clark DD, et al.
Plast Reconstr Surg 51:179-80, Feb 73

[Effect of vitamin A acid (VAA) on psoriasis. Topical combined therapy using corticoids. Two new VAA preparations for oral administration] Orfanos CE, et al. **Arch Dermatol Forsch 244:424-6, 1972 (Ger)**

[Clinical aspects of immunopathological studies in pemphigus vulgaris] Chorzelski T, et al.
Hautarzt 23:477-9, Nov 72 (Ger)

[Studies on Ultralan plaster] Heydenreich G.
Z Haut Geschlechtskr 47:575-7, 1 Jul 72 (Ger)

[Hormone therapy on otorhinolaryngology--with special reference to short-term systemic administration of adrenal cortex hormones] Ishii H.
J Otolaryngol Jap 75:1464-5, Dec 72 (Jap)

[Corticosteroids in rheumatological practice] Husby G.
Tidsskr Nor Laegeforen 93:253-5, 10 Feb 73 (Nor)

ADVERSE EFFECTS

Corticosteroid-induced atrophy of the skin with telangiectasia. A clinical and experimental study. Stevanović DV. **Br J Dermatol 87:548-56, Dec 72**

Corticosteroid therapy and side effects involving the skin. **Med J Aust 2:1220, 25 May 72**

Studies on the adrenocortical hormone therapy in idiopathic nephrotic syndrome in children. Maki S, et al. **Med J Osaka Univ 22:259-300, Mar 72**

The effect of drugs on immunological renal disease. Clarkson AR, et al.
Prog Biochem Pharmacol 7:427-51, 1972 (104 ref.)

Neuropathic joints. Bruckner FE, et al.
Semin Arthritis Rheum 2:47-9, Summer 72 (92 ref.)

[Ulcers of the gastroduodenal tract due to drugs. Apropos of a personal experience] Furnemont E.
Acta Gastroenterol Belg 35:371-83, Sep 72 (Eng. Abstr.) (Fre)

[Bone necrosis after renal transplantation] Rombouts JJ, et al.
Acta Orthop Belg 38:588-601, Oct 72 (Eng. Abstr.) (Fre)

[A case of aseptic necrosis of the femoral condyle following steroid injection] Arnavaz Z, et al.
Ann Radiol (Paris) 16:111-2, Jan-Feb 73 (Fre)

[Climatic therapy and catamnesis of neurodermatitis] Pürschel W.
Arch Dermatol Forsch 244:357-62, 1972 (Ger)

[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R.
Hautarzt 23:301-5, Jul 72 (Ger)

[Adverse effects of external corticosteroid therapy] Schöpf E. **Hautarzt 23:295-301, Jul 72 (77 ref.) (Ger)**

[Corticosteroids in rheumatological practice] Husby G.
Tidsskr Nor Laegeforen 93:253-5, 10 Feb 73 (Nor)

[Ulcerations due to steroid administration] Szalach E.
Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)

[Administration of some drugs to pregnant or breast feeding women] Okla J.
Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)

ANALYSIS

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al.
Biochem Pharmacol 21:3085-8, 15 Nov 72

[Method for psychosocial stress and physiological response in rats] Snel J.
J Physiol (Paris) 65:Suppl:328A, Oct 72 (Fre)

BIOSYNTHESIS

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al.
Gen Comp Endocrinol 20:144-9, Feb 73

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al.
Proc Soc Exp Biol Med 142:656-9, Feb 73

Effects of whole-body irradiation and hormones on drug metabolism in the liver endoplasmic reticulum. Knott JC, et al. **Radiat Res 53:65-76, Jan 73**

[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui J, et al.
C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H.
Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)

BLOOD

Imitation of the adreno-cortical response to surgery hy intravenous infusion of synthetic human ACTH. Kehlet H, et al. **Acta Endocrinol (Kbh) 72:75-80, Jan 73**

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al.
Biochem Pharmacol 21:3085-8, 15 Nov 72

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Stauh JJ, et al. **Br Med J 1:267-9, 3 Feb 73**

Corticosteroids level in rat blood with adjuvant-induced polyarthritis. Ryżewski J, et al.
Bull Acad Pol Sci [Biol] 20:903-6, 1972

Problems and artefacts in ACTH assay. Fehm HL, et al.
Horm Metab Res 4:477-81, Nov 72

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones 3:65-76, 1972**

Physiological regulation of the circadian rhythm in hepatic tyrosine transaminase: schedule of protein ingestion as a determinant factor. Girard-Globa A, et al. **J Nutr 103:251-6, Feb 73**

Perinatal behaviour and maternal corticosteroid levels in sheep. Bray AR, et al.
J Reprod Fertil 32:319-20, Feb 73

Hormonal changes in ewes and their fetuses at parturition. Currie WB, et al.
J Reprod Fertil 32:333-4, Feb 73

Receptor involvement in the central noradrenergic inhibition of ACTH secretion in the rat. Scapagnini U, et al. **Neuropharmacology 12:57-62, Jan 73**

[The value of an ACTH stimulation test for assessing the hypothalamus-hypophysis-adrenal cortex axis in patients treated with glucocorticoid preparations] Kehlet H, et al.
Ugeskr Laeger 134:2089-92, 2 Oct 72 (Eng. Abstr.) (Dan)

[Relation between the level of corticosteroids and gastric emptying] Dumas J.
J Physiol (Paris) 65:Suppl:229A, Oct 72 (Fre)

CLASSIFICATION

[Immunosuppressive agents] Stüttgen G.
Arch Dermatol Forsch 244:406-9, 1972 (Ger)

METABOLISM

Corticosteroid metabolism in the buman feto-placental unit in relation to gestational age. Smith ID, et al.
J Reprod Fertil 32:332-3, Feb 73

[Corticosteroid fractions of ovaries in intact and NH4C1-treated rabbits with special reference to seasonal changes] Fazekas IG, et al.
Endokrinologie 60:181-93, 1972 (Eng. Abstr.) (Ger)

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

[The effect of dipbenine on tbe functional state of tbe adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al.
Arch Biochem Biophys 154:230-9, Jan 73

Tbe role of bypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Parvez H, et al.
Biochem Biophys Res Commun 50:901-7, 5 Feb 73

A metbod for tbe assay of topical corticosteroids. Marks R, et al. **Br J Dermatol 88:69-74, Jan 73**

Growtb inhibition of mouse lymphoma cells, L5178Y, in vitro, by glucocorticoids: alterations in cboline metabolism. Story MT, et al.
Exp Cell Res 77:437-49, 15 Mar 73

Failure of suppression of nocturnal growth bormone rise by acute corticosteroid administration. Krieger DT, et al. **Horm Metab Res 4:463-6, Nov 72**

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. Hormones 3:105-18, 1972

Displacement of sulfonylureas from buman serum proteins by coumarin derivatives and cortical steroids. Judis J. **J Pharm Sci 62:232-7, Feb 73**

Induction of parturition in cattle witb corticosteroids. Welcb RA. **J Reprod Fertil 32:348, Feb 73**

Some studies on tbe formation in vivo of pyridoxal pbosphate in rats receiving high-fat diet. Chatterjee AK, et al. **J Vitaminol (Kyoto) 18:189-93, 10 Dec 72**

Effects of steroid pretreatment on development of shock lung. Hemodynamic, respiratory, and morphologic studies. Pingleton WW, et al.
Lab Invest 27:445-56, Nov 72

A radioimmunoassay for plasma corticosterone. Gross HA, et al. **Steroids 20:681-95, Dec 72**

What's new in surgery. Urology. Cockett AT.
Surg Gynecol Obstet 136:219-20, Feb 73

Tbe biological regulation of copper bomeostasis in tbe rat. Evans GW.
World Rev Nutr Diet 17:225-49, 1973 (56 ref.)

[Relation between the level of corticosteroids and gastric emptying] Dumas J.
J Physiol (Paris) 65:Suppl:229A, Oct 72 (Fre)

[Mechanical properties of tbe skin] Vogel HG.
Arch Dermatol Forsch 244:130-4, 1972 (Ger)

[Comparative studies on tbe vasoconstrictor effect of various corticosteroids] Bickhardt R.
Hautarzt 23:301-5, Jul 72 (Ger)

[On tbe bilaterality of the corticosteroid responsiveness of intraocular pressure in man] Kitazawa Y, et al.
Acta Soc Ophthalmol Jap 76:1277-85, Oct 72 (Eng. Abstr.) (Jap)

[Effect of corticosteroids on plasma lysosomal enzymes during splancbnic iscbemia] Ogawa R, et al.
Jap J Anesthesiol 22:11-5, Jan 73 (Eng. Abstr.) (Jap)

[Hyperlipemia] Nakamura H.
Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) (Jap)

[Bilirubin metabolism and actions of steroid bormones] Okuda K.
Jap J Clin Med 30:1855-8, Sep 72 (28 ref.) (Jap)

[Problems of interaction between 5,5 1 -dipbenylbydantoin (Hydantoinal) and other drugs] Pakszys W.
Pol Tyg Lek 27:1990-3, 11 Dec 72 (25 ref.) (Pol)

PHYSIOLOGY

The role of adrenal corticosteroids in the regulation of kidney function in tbe desert lizard Dipsosaurus dorsalis. Bradshaw SD, et al.
Comp Biochem Physiol [A] 43:621-35, 1 Nov 72

(Na + -K +)-ATPase activity in eel (Anguilla rostrata) gills in relation to changes in environmental salinity: role of adrenocortical steroids. Butler DG, et al.
Gen Comp Endocrinol 19:421-7, Dec 72

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)

[Review of recent reports on tbe pathology of articular cartilage. 3. Repair. Influence of pressure. Role of bormones. Experimental study. Aging] Peyron JG.
Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Abstr.) (Fre)

[Endocrine regulation of labor in cattle, sheep and goats] Agtbe O.
Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)

[Adrenocortical bormones and arteriosclerosis] Takeda R, et al.
Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)

SECRETION

Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man. Staub JJ, et al. **Br Med J 1:267-9, 3 Feb 73**

Pituitary-adrenal activity and depletion of brain catecholamines after -metbyl-p-tyrosine administration. Kapianski J, et al.
Eur J Pharmacol 20:238-40, Nov 72

Effect of temperature stress on growth, reproduction, and adrenocortical function of mice. Wilson SP, et al.
J Hered 63:324-30, Nov-Dec 72

Patbogenetic mechanisms in hypertension. Wilson JW Jr. **J La State Med Soc 125:39-41, Feb 73**

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H.
Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)

[Function of tbe adrenal cortex and metabolism of C-21 steroids in children with mucoviscidosis] Tabolin VA, et al.
Vopr Okhr Materin Det 17:41-4, Sep 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Regional ventilation-perfusion and hypoxia in cryptogenic fibrosing alveolitis. McCarthy D, et al.
Am Rev Respir Dis 107:200-8, Feb 73

Blindness in granulomatous arteralgia. Jennings GH.
Br Med J 1:415, 17 Feb 73

Cutaneous polyarteritis. **Br Med J 1:6, 6 Jan 73**

Nasopharyngeal stimulation and its effects on the plasma 11-OHCS levels. Horiguti S, et al.
Bull Tokyo Med Dent Univ 19:333-59, Dec 72

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Penetrating neck injury (an unusual automobile accident). Abrol BM, et al.
J Laryngol Otol 86:1253-9, Dec 72

Correlation of cytology and clinical findings in pemphigus vulgaris. Medak H, et al.
J Oral Med 28:4-13, Jan-Mar 73

Azathioprine in systemic lupus erythematosus.
Lancet 1:704-5, 31 Mar 73

Definitive tberapy in cardiopulmonary resuscitation. Dembo DH. **Md State Med J 22:85-6, Mar 73**

Studies on the adrenocortical hormone therapy in idiopathic nepbrotic syndrome in children. Maki S, et al. **Med J Osaka Univ 22:259-300, Mar 72**

Survey of Aspergillus species associated with tbe buman respiratory tract. Sandbu DK, et al.
Mycopathol Mycol Appl 49:77-87, 31 Jan 73

Treatment of myastbenia gravis. Fiacke W.
N Engl J Med 288:27-31, 4 Jan 73 (12 ref.)

Committee on Drugs: anaphylaxis.
Pediatrics 51:136-40, Jan 73

The effect of drugs on immunological renal disease. Clarkson AR, et al.
Prog Biochem Pharmacol 7:427-51, 1972 (104 ref.)

Hepatic coma: present concepts of pathogenesis and therapy. Breen KJ, et al.
Prog Liver Dis 4:301-32, 1972 (156 ref.)

Alcoholic hepatitis: its therapy and prognosis. Galambos JT. Prog Liver Dis 4:567-88, 1972 (89 ref.)
Treatment of chronic hepatitis. Mistilis SP, et al. Prog Liver Dis 4:419-32, 1972 (63 ref.)
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Treatment of autoimmune diseases] Wasastjerna C. Duodecim 89:218-26, 1973 (Fin)
[Methods of clinical trial of a local corticoid] Craps L, et al. Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Eng. Abstr.) (Fre)
[Emergency treatment of viper bites in Israel] Pollak E. Eur J Toxicol 5:203-7, May-Jun 72 (Eng. Abstr.) (Fre)
[Allergy to antienzymes] Meyer C, et al. Lyon Chir 68:200-1, May-Jun 72 (Fre)
[General principles in treatment of eczema] Belaich S, et al. Rev Prat 22:2725-33, 11 Jun 72 (Fre)
[Barbiturate rheumatism] Camus JP, et al. Rev Prat 22:1963-7, 21 Apr 72 (Fre)
[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)
[True and false eczema in children] Paupe J. Rev Prat 22:2657-66, 11 Jun 72 (Fre)
[Peripheral neurologic manifestations of sarcoidosis] Emery JP, et al. Sem Hop Paris 48:3039-43, 14 Nov 72 (Eng. Abstr.) (Fre)
[Treatment of myasthenia with corticotropic hormones] Goulon M, et al. Sem Hop Paris 48:3371-5, 14 Dec 72 (Eng. Abstr.) (Fre)
[Therapy of herpes simplex and herpes zoster] Nasemann T. Arch Dermatol Forsch 244:409-11, 1972 (Ger)
[Effect of vitamin A acid (VAA) on psoriasis. Topical combined therapy using corticoids. Two new VAA preparations for oral administration] Orfanos CE, et al. Arch Dermatol Forsch 244:424-6, 1972 (Ger)
[Climatic therapy and catamnesis of neurodermatitis] Pürschel W. Arch Dermatol Forsch 244:357-62, 1972 (Ger)
[Diagnosis and treatment of pleural mesothelioma] Herrmann K, et al. Arch Geschwulstforsch 40:355-61, 1972 (Eng. Abstr.) (Ger)
[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R. Hautarzt 23:301-5, Jul 72 (Ger)
[Nummular and microbial eczema] Röcki H. Hautarzt 23:326-30, Jul 72 (Ger)
[Adverse effects of external corticosteroid therapy] Schöpf E. Hautarzt 23:295-301, Jul 72 (77 ref.) (Ger)
[Physiologic mechanism of inflammation, especially in redintegration] Nagai K. J Nihon Univ Sch Dent 14:42-52, Jun 72 (Eng. Abstr.) (Ger)
[Cogan I Syndrome] Bischoff B. Klin Monatshl Augenheilkd 161:551-62, Nov 72 (Eng. Abstr.) (Ger)
[Chronic pneumonia. Findings and observations in 75 cases] Wex P, et al. Med Klin 68:21-8, 5 Jan 73 (Eng. Abstr.) (Ger)
[Prognosis of polyneuritic diseases in childhood] Hampel P, et al. Med Monatsschr 26:515-7, Nov 72 (Ger)
[Consumption coagulopathy in obstructive septic pyelonephritis] Skoluda D, et al. Urologie [A] 12:21-4, Jan 73 (Eng. Abstr.) (Ger)
[Studies on Ultralan plaster] Heydenreich G. Z Haut Geschlechtskr 47:575-7, 1 Jul 72 (Ger)
[Determination of plasma cortisol levels in children treated with ACTH during Still's disease and rheumatoid arthritis] Rajmann E, et al. Z Kinderheilkd 114:69-82, 22 Jan 73 (Eng. Abstr.) (Ger)
[Combined treatment with corticosteroids and cyclophosphamide in the nephrotic syndrome in children] Chaimowitz S, et al. Harefuah 83:234-6, 15 Sep 72 (Eng. Abstr.) (Heb)
[Current status of bronchial asthma in childhood. Clinico-therapeutic considerations on 552 cases examined in the period of 1966-1971] Cocchi R, et al. Minerva Pediatr 25:6-32, 14 Jan 73 (Eng. Abstr.) (Ita)
[Herpetic keratitis--from the diagnostic standpoint] Uchida Y. Acta Soc Ophthalmol Jap 76:1391-413, Oct 72 (Eng. Abstr.) (Jap)
[Symptomatic treatment of bronchial asthma] Kawai M. Bull Chest Dis Res Inst Kyoto Univ 6:81-5, Dec 72 (Jap)
[Hormone therapy on otorhinolaryngology--with special reference to short-term systemic administration of adrenal cortex hormones] Ishii H. J Otolaryngol Jap 75:1464-5, Dec 72 (Jap)
[Progressive gangrenous rhinitis successfully treated with immunosuppresive agents] Tanahashi T, et al. J Otolaryngol Jap 75:1210-1, Oct 72 (Jap)
[Bilirubin metabolism and actions of steroid hormones] Okuda K. Jap J Clin Med 30:1855-8, Sep 72 (28 ref.) (Jap)
[Advances in the treatment of jaundice in the department of internal medicine] Sanbe K, et al. Jap J Clin Med 30:1911-6, Sep 72 (35 ref.) (Jap)
[Corticosteroids in rheumatological practice] Hushy G. Tidsskr Nor Laegeforen 93:253-5, 10 Feb 73 (Nor)
[Attempt at immunotherapy using BCG vaccine in acute leukemia] Kardaszewicz E. Acta Haematol Pol 3:251-6, Jul-Sep 72 (Eng. Abstr.) (Pol)
[Sarcoidosis in children] Zapaśnik-Kohlerska MH, et al. Gruzlica 40:811-9, Sep 72 (Eng. Abstr.) (Pol)
[Berylliosis] Slojewska K. Pol Tyg Lek 28:263-6, 12 Feb 73 (28 ref.) (Pol)
[Case of successfully treated staphylococcal septicemia of unusual course] Chęcińska Z, et al. Wiad Lek 26:345-9, 15 Feb 73 (Eng. Abstr.) (Pol)
[Evaluation of the effect of corticosteroids on traumatic pericementitis] Benatti O, et al. Incisivo 1:17 passim, Sep 72 (Por)
[Current treatment of hepatolenticular degenerescence] Faur A, et al. Med Interna (Bucur) 24:1413-9, Dec 72 (Rum)
[Characteristics of acute meningitis appearing in the aged] Pirvu C, et al. Microbiol Parazitol Epidemiol (Bucur) 17:521-6, Nov-Dec 72 (Eng. Abstr.) (Rum)
[Current status of the treatment of infantile acute leukemias] Răuţa I. Rev Med Chir Soc Med Nat Iasi 76:871-82, Oct-Dec 72 (Rum)
[Influence of the excipient on the reaction of pulp to a corticoid and antibiotic mixture] Perrotto BM, et al. Rev Asoc Odontol Argent 60:521-4, Nov 72 (Spa)
[Etiopathogenic and therapeutic aspects of malignant forms of childhood epilepsy] Zeškov P, et al. Neuropsihijatrija 20:191-9, 1972 (Eng. Abstr.) (Cro)

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al. Acta Endocrinol (Kbh) 72:182-90, Jan 73
Effect of long-term exposure to low levels of toxic substances on urinary excretion of 17-oxogenic steroids and 17-oxosteroids. Wink A. Ann Occup Hyg 15:211-7, Nov 72
Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al. J Chromatogr Sci 11:76-82, Feb 73
[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al. Ginekol Pol 43:1429-34, 1972 (Eng. Abstr.) (Pol)
[Functional state of the adrenal cortex of the newborn from mothers with late pregnancy toxemia] Sudakova AI, et al. Vopr Okhr Materin Det 17:52-5, Jul 72 (Eng. Abstr.) (Rus)

ALDOSTERONE

Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Lederman Y, et al. Anal Biochem 51:193-203, Jan 73
Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

ADMINISTRATION & DOSAGE

The role of aldosterone in the regulation of (Na + + K +)-ATPase in rat kidney. Jorgensen PL. J Steroid Biochem 3:181-91, Feb 72
The effect of a new anti-aldosterone agent SC19886 on aldosterone-stimulated transepithelial sodium transport. Porter GA, et al. J Steroid Biochem 3:201-8, Feb 72

The two stage nature of the aldosterone response. Snart RS. J Steroid Biochem 3:129-36, Feb 72

[Pilot study on the efficacy of high doses of aldosterone and spirolactone derivatives in the treatment of multiple sclerosis] Mertin J, et al. Z Neurol 202:217-28, 1972 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Pilot study on the efficacy of high doses of aldosterone and spirolactone derivatives in the treatment of multiple sclerosis] Mertin J, et al. Z Neurol 202:217-28, 1972 (Eng. Abstr.) (Ger)

ANALYSIS

Failure to demonstrate non-aldosterone salt-retaining substances in plasma, urine, and liver extract of chronic caval dogs. Mitteiman J, et al. Can J Physiol Pharmacol 50:1162-9, Dec 72

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al. Endocrinology 92:1208-15, Apr 73

Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72

[Adrenal aldosterone content in newborn guinea pigs] Giry J, et al. J Physiol (Paris) 65:Suppl:235A, Oct 72 (Fre)

ANTAGONISTS & INHIBITORS

Experience with the use of an aldosterone antagonist in selected hypertensive patients. Kert MJ, et al. Angiology 23:617-27, Nov 72

Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72

The effect of a new anti-aldosterone agent SC19886 on aldosterone-stimulated transepithelial sodium transport. Porter GA, et al. J Steroid Biochem 3:201-8, Feb 72

BIOSYNTHESIS

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al. Endocrinology 92:1286-9, Apr 73

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al. Endocrinology 92:1208-15, Apr 73

The effect of premature weaning on the response of rat adrenals to stress and ACTH. Hromadová M, et al. Physiol Bohemoslov 21:329-35, 1972

[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui J, et al. C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)

[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al. Virchows Arch [Pathol Anat] 358:45-59, 1973 (Eng. Abstr.) (Ger)

BLOOD

Effect of chlorothiazide and sodium on vascular responsiveness to angiotensin II. Weinberger MH, et al. Am J Physiol 223:1049-52, Nov 72

Effects of anesthesia and surgery on plasma aldosterone levels in man. Oyama T, et al. Anesth Analg (Cleve) 52:31-5, Jan-Feb 73

Quantitation of plasma aldosterone by radioimmunoassay. St. Cyr MJ, et al. Clin Chem 18:1395-402, Nov 72

The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. Endocrinology 92:994-1004, Apr 73

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al. Endocrinology 92:1286-9, Apr 73

A radioimmunoassay for plasma aldosterone without chromatography. Farmer RW, et al. J Clin Endocrinol Metab 36:460-5, Mar 73

A kindred with familial glucocorticoid suppressible aldosteronism. Glehink GS, et al. J Clin Endocrinol Metab 36:715-23, Apr 73

A radioimmunoassay for plasma aldosterone by immunologic purification. Gomez-Sanchez C, et al. J Clin Endocrinol Metab 36:795-8, Apr 73

A simple, quick, solid-phase method for radioimmunoassay of plasma estradiol and of plasma cortisol of late pregnancy. Loriaux DL, et al. J Clin Endocrinol Metab 36:788-90, Apr 73

Effect of hemodialysis on the metabolic clearance rate, plasma concentration and blood production rate of aldosterone in anephric man. Read VH, et al. J Clin Endocrinol Metab 36:773-8, Apr 73

New techniques in the diagnosis and treatment of hypertension. Weinberger MH. J Indiana State Med Assoc 66:95-9, Feb 73

Hyporeninemic hypertension. Vaisrub S. JAMA 223:190, 8 Jan 73

[Abnormalities of sodium and water metabolism with special reference to hypertensive diseases] Mizukoshi H, et al. Jap J Clin Med 30:2215-22, Nov 72 (52 ref.)

Plasma renin, renin substrate, angiotensin II, and aldosterone in hypertensive disease of pregnancy. Weir RJ, et al. Lancet 1:291-4, 10 Feb 73

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. Neurology (Minneap) 22:1257-67, Dec 72

Renin-secreting juxtaglomerular-cell adenoma. Preoperative clinical and angiographic diagnosis. Conn JW, et al. Radiology 106:543-4, Mar 73

A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al. Steroids 21:169-80, Feb 73

[Development and application of the radioimmunologic assay of plasma aldosterone and renin activity] Corvol P, et al. Ann Endocrinol (Paris) 33:285-6, May-Jun 72 (Eng. Abstr.) (Fre)

[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al. Virchows Arch [Pathol Anat] 358:45-59, 1973 (Eng. Abstr.) (Ger)

[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al. Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)

[Hemodialysis and hypertension] Fukuchi S, et al. Jap J Clin Med 30:2470-7, Dec 72 (Jap)

ISOLATION & PURIFICATION

High-pressure liquid chromatography of corticosteroids. Touchstone JC, et al. J Chromatogr 76:244-7, 7 Feb 73

A radioimmunoassay for plasma aldosterone by immunologic purification. Gomez-Sanchez C, et al. J Clin Endocrinol Metab 36:795-8, Apr 73

A simple, quick, solid-phase method for radioimmunoassay of plasma estradiol and of plasma cortisol of late pregnancy. Loriaux DL, et al. J Clin Endocrinol Metab 36:788-90, Apr 73

METABOLISM

The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. Endocrinology 92:994-1004, Apr 73

Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone. Funder JW, et al. Endocrinology 92:1005-13, Apr 73

Accelerated hypertension secondary to oral contraceptives. Sokol SA. J Maine Med Assoc 64:52-3 passim, Mar 73

Specific aldosterone binding in rat kidney and parotid. Funder JW, et al. J Steroid Biochem 3:209-18, Feb 72

Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72

Glucocorticoid and mineralocorticoid receptors for aldosterone. Rousseau G, et al. J Steroid Biochem 3:219-27, Feb 72

[Edema in the patient with heart disease] Dioguardi N. Minerva Med 64:87-108, 17 Jan 73 (Ita)

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al. Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

PHARMACODYNAMICS

Effect of aldosterone on sodium and potassium content of renal tissue. Rabito C, et al. Acta Physiol Lat Am 22:146-53, 1972

Effect of actinomycin D on aldosterone-mediated

changes in electrolyte excretion. Lifschitz MD, et al. **Am J Physiol 224:376-80, Feb 73**

Reevaluation of DOCA escape phenomenon. Möhring J, et al. **Am J Physiol 223:1237-45, Nov 72**

The role of adrenal corticosteroids in the regulation of kidney function in the desert lizard Dipsosaurus dorsalis. Bradshaw SD, et al. **Comp Biochem Physiol [A] 43:621-35, 1 Nov 72**

The physiological response to aldosterone in adrenalectomized and intact rats and its sex dependence. Morris DJ, et al. **Endocrinology 92:989-93, Apr 73**

The effect of aldosterone on the blood glucose concentration in rabbits. Masumura S. **J Physiol Soc Jap 34:437-8, Jul 72**

Hormonal influences on transepithelial sodium transport: aldosterone vs. insulin. Crahhé J. **J Steroid Biochem 3:229-35, Feb 72**

The initiation mechanism in the action of aldosterone on sodium transport. Edelman IS. **J Steroid Biochem 3:167-72, Feb 72**

Effect of aldosterone on mammalian intestine. Edmonds CJ. **J Steroid Biochem 3:143-9, Feb 72**

Effect of aldosterone on the sodium content and energy metabolism of epithelial cells of the toad urinary bladder. Handler JS, et al. **J Steroid Biochem 3:137-41, Feb 72**

The role of aldosterone in the regulation of (Na + + K +)-ATPase in rat kidney. Jorgensen PL. **J Steroid Biochem 3:181-91, Feb 72**

A stucy on the effect of aldosterone on the extramitochondrial adenine nucleotide system in rat kidney. Kirsten E, et al. **J Steroid Biochem 3:173-9, Feb 72**

Characteristics of aldosterone stimulated transport in isolated skin of the toad, Bufo bufo (L.). Larsen EH. **J Steroid Biochem 3:111-20, Feb 72**

The site of the aldosterone induced stimulation of sodium transport. Leaf A, et al. **J Steroid Biochem 3:237-45, Feb 72**

The effect of polyene antibiotics on the aldosterone induced changes in sodium transport across isolated frog skin. Nielsen R. **J Steroid Biochem 3:121-8, Feb 72**

The effect of a new anti-aldosterone agent SC19886 on aldosterone-stimulated transepithelial sodium transport. Porter GA, et al. **J Steroid Biochem 3:201-8, Feb 72**

The two stage nature of the aldosterone response. Snart RS. **J Steroid Biochem 3:129-36, Feb 72**

Aldosterone induced morphological changes in amphibian epithelia in vivo. Voûte CL, et al. **J Steroid Biochem 3:161-5, Feb 72**

Effect of aldosterone on sodium and potassium transport in the kidney. Wiederholt M, et al. **J Steroid Biochem 3:151-9, Feb 72**

Studies on the absorption of halogenated hydrocarbons and their excretion in breath using 38 Cl tracer techniques. Alleyne GA. **Prog Biochem Pharmacol 7:189-218, 1972 (157 ref.)**

Subcellular pharmacology of natriuretic and potassium-sparing drugs. Baer JE, et al. **Prog Biochem Pharmacol 7:59-93, 1972 (108 ref.)**

PHYSIOLOGY

Role of mineralocorticoids in the natriuresis of water immersion in man. Epstein M, et al. **Circ Res 32:228-36, Feb 73**

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. **Hormones 3:42-64, 1972**

Renal failure in advanced liver disease. Baldus WP. **Prog Liver Dis 4:251-67, 1972 (62 ref.)**

SECRETION

Stimulation of aldosterone secretion by hemorrhage in dogs after nephrectomy and decapitation. McCaa RE, et al. **Circ Res 32:356-62, Mar 73**

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. **Neuroendocrinology 11:240-7, 1973**

Angiotensin. II. Important role in the maintenance of arterial blood pressure. Johnson JA, et al. **Science 179:906-7, 2 Mar 73**

Renal potassium-wasting of unknown cause in a clinical setting of chronic potassium depletion: report of a case. France R, et al. **South Med J 66:115-28, Jan 73**

URINE

Evaluation of a simplified technic for the measurement of aldosterone in human urine. Bravo EL. **Am J Clin Pathol 59:22-30, Jan 73**

Experience with the use of an aldosterone antagonist in selected hypertensive patients. Kert MJ, et al. **Angiology 23:617-27, Nov 72**

Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al. **Can J Biochem 50:1273-81, Dec 72**

Modified radioimmunoassay of urinary aldosterone. Sivakumaran T, et al. **Clin Chem 19:279-80, Feb 73**

Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones 3:65-76, 1972**

Urinary free aldosterone in healthy people and in patients with primary aldosteronism. Deck KA, et al. **J Clin Endocrinol Metab 36:756-60, Apr 73**

A kindred with familial glucocorticoid suppressible aldosteronism. Glebink GS, et al. **J Clin Endocrinol Metab 36:715-23, Apr 73**

Determination of aldosterone by sephadex LH-20 chromatography and radioimmunoassay. Waldhäusl W, et al. **Steroids 20:727-36, Dec 72**

The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. **Trans Am Assoc Genitourin Surg 64:47-53, 1972**

[Hypokalemic alkalosis with hyperplasia of the juxtaglomerular apparatus: Bartter's syndrome?] Codaccioni JL, et al. **Ann Endocrinol (Paris) 33:281-4, May-Jun 72 (Fre)**

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al. **Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)**

[Hydrolysis of urinary metabolites of different steroid hormones by -glucuronidase from Escherichia coli] Dray J, et al. **Ann Inst Pasteur (Paris) 123:853-7, Dec 72 (Eng. Abstr.) (Fre)**

ANDROSTERONE

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. **Biol Reprod 7:278-87, Oct 72**

ANALYSIS

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al. **Biochem Med 7:1-13, Feb 73**

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al. **Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)**

BIOSYNTHESIS

Testosterone metabolism by rodent submaxillary glands in relation to their sexual dimorphism. Baldi A, et al. **Acta Physiol Lat Am 22:129-34, 1972**

ISOLATION & PURIFICATION

[Isolation of radioisotope labeled conjugates of testosterone metabolism from bile of the male rat] Hetzel WD, et al. **Hoppe Seylers Z Physiol Chem 353:1525-6, Oct 72 (Ger)**

PHARMACODYNAMICS

Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al. **Dan Med Bull 19:246-58, Dec 72**

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al. **C R Soc Biol (Paris) 166:960-4, 1972 (Fre)**

THERAPEUTIC USE

Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. Carroll FI, et al. **J Med Chem 15:1158-61, Nov 72**

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Khh) 72:182-90, Jan 73
Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al.
Can J Biochem 50:1273-81, Dec 72
Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Apter C, et al.
Clin Chim Acta 42:115-8, Nov 72
Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al.
J Chromatogr Sci 11:76-82, Feb 73
[Fluctuation of the urinary 17KS levels during the administration of dexamethasone and HCG in women with normal menstrual cycles] Yoshida T, et al.
Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)

BETAMETHASONE

ADMINISTRATION & DOSAGE

A method for the assay of topical corticosteroids. Marks R, et al. Br J Dermatol 88:69-74, Jan 73
A rosacea-like eruption of children. Savin JA, et al.
Br J Dermatol 87:425-9, Nov 72
Successful treatment of neonatal retroperitoneal hemangioma with corticosteroid. Kasubuchi Y, et al.
J Pediatr Surg 8:59-62, Feb 73
Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. Steroids 20:543-54, Nov 72

ADVERSE EFFECTS

Unusual features of scabies associated with topical fluorinated steroids. Macmillan AL.
Br J Dermatol 87:496-7, Nov 72
A rosacea-like eruption of children. Savin JA, et al.
Br J Dermatol 87:425-9, Nov 72
Perioral dermatitis. Sneddon I.
Br J Dermatol 87:430-4, Nov 72

ANALYSIS

A method for the estimation of some synthetic glucocorticosteroids in rat muscle. Simpson PM.
J Chromatogr 77:161-74, 14 Mar 73

PHARMACODYNAMICS

Induction by topical corticosteroids of skin enzymes metabolizing carcinogenic hydrocarbons. Briggs MH, et al. Br J Dermatol 88:75-81, Jan 73
A method for the assay of topical corticosteroids. Marks R, et al. Br J Dermatol 88:69-74, Jan 73
Effect of betamethasone on the guanine deaminase of the brain. Villela GG, et al.
Rev Bras Biol 32:249-50, Aug 72
Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. South Med J 66:325-9, Mar 73
Biologic action of betamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. Steroids 20:543-54, Nov 72
[Ultrastructural changes in Harding-Passey melanoma by transfer to xenogeneic hosts. I. Tumour implantation into the anterior eye chamber of rats and guinea-pigs] Dvořák R, et al.
Arch Dermatol Forsch 245:1-18, 1972 (Eng. Abstr.) (Ger)
[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R.
Hautarzt 23:301-5, Jul 72 (Ger)
[Studies on regulation of serine gluconeogenesis under hormone and diet influence] Metz T, et al.
Hoppe Seylers Z Physiol Chem 353:1550, Oct 72 (Ger)
[On the bilaterality of the corticosteroid responsiveness of intraocular pressure in man] Kitazawa Y, et al.
Acta Soc Ophthalmol Jap 76:1277-85, Oct 72 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

Topical vitamin A acid in the treatment of psoriasis. Peck GL, et al. Arch Dermatol 107:245-8, Feb 73
Physiology of the fetus. Br Med J 3:657-8, 16 Sep 72
Conservative surgery in the treatment of nasal polypi. Ballantyne J. J Laryngol Otol 87:107-16, Feb 73
Successful treatment of neonatal retroperitoneal hemangioma with corticosteroid. Kasubuchi Y, et al.
J Pediatr Surg 8:59-62, Feb 73
The treatment of canine acantbosis nigricans. Bush BM.
J Small Anim Pract 13:59-64, Feb 72
Plasma cortisol levels following short term betamethasone therapy for oral surgical procedures. Hooley JR, et al.
Trans Congr Int Assoc Oral Surg 4:188-90, 1973
[Clinical study of the effect of xylitol on adrenal cortex function] Suzawa A.
Clin Endocrinol (Tokyo) 20:1091-9, Dec 72 (Jap)
[Hormonal treatment of renal cell carcinoma] Satomi Y, et al.
Jap J Urol 63:939-50, Nov 72 (Eng. Abstr.) (Jap)

CORTICOSTERONE

ADMINISTRATION & DOSAGE

The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr.
J Neurochem 19:2737-45, Dec 72

ANALYSIS

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al.
Endocrinology 92:1208-15, Apr 73
The action of glucocorticoids on glutamic acid metabolism. Cherkasova LS, et al.
Endokrinologie 60:273-8, 1972
Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. J Endocrinol 55:489-97, Dec 72
The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr.
J Neurochem 19:2737-45, Dec 72
Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72
Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Goldman AS, et al. Proc Soc Exp Biol Med 142:691-6, Feb 73

ANTAGONISTS & INHIBITORS

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al.
Arch Biochem Biophys 154:230-9, Jan 73
Induction of hepatic synthesis of serum proteins in response to stimulation of olfactory bulbs. Palma JA, et al. Arch Int Physiol Biochim 80:669-77, Oct 72
Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72
A radioimmunoassay for plasma corticosterone. Gross HA, et al. Steroids 20:681-95, Dec 72

BIOSYNTHESIS

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al.
Arch Biochem Biophys 154:230-9, Jan 73
Relation between steroidogenesis and 3',5'-cyclic AMP production in isolated adrenal cells. Nakamura M, et al. Endocrinol Jap 19:443-8, Oct 72
Adrenal steroid biosyntbesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73
Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitabchi AE, et al.
J Biol Chem 248:835-40, 10 Feb 73
Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. J Steroid Biochem 3:767-72, Sep 72
The effect of premature weaning on the response of rat adrenals to stress and ACTH. Hromadová M, et al.
Physiol Bohemoslov 21:329-35, 1972
[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui

J, et al.
C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)

BLOOD

Effects of temperature stress on catecholamines and corticosterone of male turkeys. el-Halawani ME, et al. Am J Physiol 224:384-8, Feb 73
The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. Endocrinology 92:994-1004, Apr 73
Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growth hormone. Levine JH, et al. Endocrinology 92:1089-95, Apr 73
Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al. Endocrinology 92:1286-9, Apr 73
Further investigations on o-ethoxybenzoylhydrazone of pyruvic acid (M6-42--ethoxyhydrazone). Mechanism of anti-inflammatory activity. Pisanti N, et al. Farmaco [Sci] 27:919-28, Nov 72
Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. Horm Metab Res 4:484-8, Nov 72
Plasma corticosteroids in Hereford bulls exposed to high ambient temperature. Rhynes WE, et al. J Anim Sci 36:369-73, Feb 73
Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. J Anim Sci 36:391-6, Feb 73
Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. J Clin Endocrinol Metab 36:730-3, Apr 73
Plasma-corticosterone levels during active-avoidance learning in rats. Coover GD, et al. J Comp Physiol Psychol 82:170-4, Jan 73
Behavioral responsiveness of adrenalectomized, hypophysectomized, and intact rats to electric shock. Gibbs J, et al. J Comp Physiol Psychol 82:165-9, Jan 73
Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. J Comp Physiol Psychol 82:60-5, Jan 73
Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. J Endocrinol 55:489-97, Dec 72
The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr. J Neurochem 19:2737-45, Dec 72
Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. J Steroid Biochem 3:767-72, Sep 72
Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. Neuroendocrinology 11:240-7, 1973
Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. Neuroendocrinology 10:246-56, 1972
Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. Neurology (Minneap) 22:1257-67, Dec 72
Receptor involvement in the central noradrenergic inhibition of ACTH secretion in the rat. Scapagnini U, et al. Neuropharmacology 12:57-62, Jan 73
Effect of photoperiodicity on the circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo). Bajpayee DP, et al. Poult Sci 51:1157-65, Jul 72
A radioimmunoassay for plasma corticosterone. Gross HA, et al. Steroids 20:681-95, Dec 72
A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al. Steroids 21:169-80, Feb 73
[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al. J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)
[Study of a protein binding method for the determination of plasma corticoids] Köbberling J, et al. Z Klin Chem Klin Biochem 10:67-73, Feb 72 (Eng. Abstr.) (Ger)
[Plasma cortisol (hydrocortisone) dynamics in extracorporeal circulation] Hamanaka Y, et al. Jap J Thorac Surg 25:723-6, Oct 72 (Eng. Abstr.) (Jap)
[Further studies on the influence of the salivary glands on adrenal cortex activity] Barabash RD. Probl Endokrinol (Mosk) 18:103-6, Nov-Dec 72 (Eng. Abstr.) (Rus)

METABOLISM

C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metabolism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and absence of ACTH in vitro. Ducharme JR, et al. Acta Endocrinol (Kbh) 72:63-74, Jan 73
Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al. Biochem Biophys Res Commun 50:71-9, 4 Jan 73
Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone. Funder JW, et al. Endocrinology 92:1005-13, Apr 73
The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. Endocrinology 92:994-1004, Apr 73
Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al. Endocrinology 92:1286-9, Apr 73
The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr. J Neurochem 19:2737-45, Dec 72
Corticosteroid metabolism in the human feto-placental unit in relation to gestational age. Smith ID, et al. J Reprod Fertil 32:332-3, Feb 73
Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Goldman AS, et al. Proc Soc Exp Biol Med 142:691-6, Feb 73
[Percutaneous absorption studies using corticoids] Garn W. Arch Dermatol Forsch 244:546-8, 1972 (Ger)

PHARMACODYNAMICS

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. Am J Physiol 224:543-7, Mar 73
Induction of hepatic synthesis of serum proteins in response to stimulation of olfactory bulbs. Palma JA, et al. Arch Int Physiol Biochim 80:669-77, Oct 72
Interactions of insulin, corticosterone and prolactin in promoting milk-fat synthesis by mammary explants from pregnant rabbits. Forsyth IA, et al. Biochem J 129:929-35, Oct 72
The role of adrenal corticosteroids in the regulation of kidney function in the desert lizard Dipsosaurus dorsalis. Bradshaw SD, et al. Comp Biochem Physiol [A] 43:621-35, 1 Nov 72
Renin-angiotensin system in chronically hypophysectomized rats. Rojo-Ortega JM, et al. Horm Metab Res 4:500-5, Nov 72
Characteristics of fast feedback control of corticotrophin release by corticosteroids. Jones MT, et al. J Endocrinol 55:489-97, Dec 72
Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al. J Physiol (Lond) 227:21P-22P, Dec 72
Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. J Steroid Biochem 3:193-200, Feb 72
Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. Neuroendocrinology 10:246-56, 1972
Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72
Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73

PHYSIOLOGY

Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. Neuroendocrinology 10:246-56, 1972
[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. C R Acad Sci [D] (Paris) 274:3585-8, 26 Jun 72 (Fre)
[Tyrosine alpha-ketoglutarate transaminase activity in

the chick embryo (White Leghorn) liver during embryogenesis] Idelman S, et al.
J Physiol (Paris) 65:Suppl 1:128A, 1972 (Fre)

SECRETION

Induction of hepatic synthesis of serum proteins in response to stimulation of olfactory bulbs. Palma JA, et al. Arch Int Physiol Biochim 80:669-77, Oct 72

THERAPEUTIC USE

[Drug therapy in rectal diseases] Teller H.
Arch Dermatol Forsch 244:385-90, 1972 (Ger)

URINE

Abnormal excretion of corticosteroid sulphates in patients with breast cancer. Gbosb PC, et al.
Br Med J 1:328-30, 10 Feb 73
Female pattern of metabolism of (4 14 C)corticosterone in male pseudobermaphroditic rats. Goldman AS, et al. Proc Soc Exp Biol Med 142:691-6, Feb 73
[Metabolism of glucocorticoids in Macaca rhesus] Vorontsev VI, et al.
Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 (Eng. Abstr.) (Rus)

CORTISONE

Influence of a 17 beta-sulphate group on reduction of a steroid 3-oxo group by cortisone reductase. Gibb W, et al. Biochem J 130:37P, Nov 72
A major influence of a 1 alpha, 2 alpha-methylene group on reduction of a steroid 3-oxo group by 2 nicotinamide-adenine dinucleotide-linked 3-hydroxy steroid oxidoreductases. Gibb W, et al.
Biochem J 130:37P-38P, Nov 72
5 -dihydrotestosterone sulphate and cortisone reductase. Gibb W, et al.
Biochim Biophys Acta 280:646-51, 8 Dec 72
Structural features of ring B and the interaction of 20-oxosteroids with cortisone reductase. White IH, et al. Biochim Biophys Acta 296:604-14, 8 Mar 73
Stability to freezing of steroid binding proteins in fish plasma. Idler DR, et al.
Comp Biochem Physiol [B] 44:179-83, 15 Jan 73
Plant agglutinins used to distinguish between different classes of mouse lymphocytes. Schnebli HP, et al.
Eur J Immunol 2:607-9, Dec 72
Lowered transplantability of cultured tumor cells by persistent infection with paramyxovirus (HVJ). Yamada T, et al. Gann 63:647-55, Dec 72
The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids. Thompson JS, et al. J Bone Joint Surg [Am] 54:1490-500, Oct 72
[Changes in acid mucopolysaccharide levels in the gastric wall in ulcer induced by clamping and cortisone administration] Nabeshima Y.
Jap J Gastroenterol 69:1009-23, Oct 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al.
Biochem Pharmacol 22:293-310, 1 Feb 73
The effect of cortisone on the formation and resorption of experimental amyloid. Pollack A, et al.
Br J Exp Pathol 54:6-12, Feb 73
Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73
The efficacy of local steroid injection in the treatment of stenosing tenovaginitis. Clark DD, et al.
Plast Reconstr Surg 51:179-80, Feb 73
[Ulcerations due to steroid administration] Szalach E.
Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)

ADVERSE EFFECTS

Cyclopia. Khudr G, et al.
Am J Dis Child 125:120-2, Jan 73
Species specificity in teratology in the light of analyzing intraspecies differences in mice. Jelínek R, et al. Folia Morphol (Praha) 21:94-6, 1973
New drugs for treatment of Paget's disease.
Med Lett Drugs Ther 14:23-4, 31 Mar 72
[Case report of an isolated osteonecrosis of 2 femoral condyles] Danis A, et al.
Acta Orthop Belg 38:611-6, Oct 72 (Eng. Abstr.) (Fre)
[Ulcerations due to steroid administration] Szalach E.
Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)
[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS.
Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)

BIOSYNTHESIS

Effects of corticosteroids on liver transaminases in two salmonids, the rainbow trout (Salmo gairdneri) and the brook trout (Salvelinus fontinalis). Freeman HC, et al. Gen Comp Endocrinol 20:69-75, Feb 73
[Precocious secretion of corticosteroids by rabbit embryo adrenal gland cultivated in vitro] Chouraqui J, et al.
C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)

BLOOD

Does the human fetal adrenal play a role in parturition? Murphy BE. Am J Obstet Gynecol 115:521-5, 15 Feb 73
Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73
A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al.
Steroids 21:169-80, Feb 73
Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement. Newsome HH Jr, et al. Surgery 73:429-33, Mar 73

CEREBROSPINAL FLUID

Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73

DIAGNOSTIC USE

Studies in congenital generalized lipodystrophy (Seip-Berardinelli syndrome). I. Development of diabetes. Oseid S.
Acta Endocrinol (Kbh) 72:475-94, Mar 73
Insulin production and glucose tolerance in patients with granuloma annulare. Hammond R, et al.
Br J Dermatol 87:540-7, Dec 72
Carbohydrate metabolism in children: (1) blood sugar, serum insulin, and growth hormone during oral glucose tolerance tests; (2) blood sugar during the cortisone glucose tolerance test. Cole HS.
Metabolism 22:289-93, Feb 73
I. Identification of chemical diabetes. The definition of chemical diabetes. Fajans SS.
Metabolism 22:211-7, Feb 73
[Incidence of diabetes in patients with arteriosclerotic occlusive disease of the legs] Mayrhofer E, et al.
Wien Klin Wochenschr 84:843-6, 29 Dec 72 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

High-pressure liquid chromatography of corticosteroids. Touchstone JC, et al.
J Chromatogr 76:244-7, 7 Feb 73

METABOLISM

Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al.
Biochem Biophys Res Commun 50:71-9, 4 Jan 73
The metabolism of sodium cortisone 21-(35 S)sulphate in the rat. Gatehouse PW, et al.
Biochem J 127:661-8, May 72
Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73
[Exogenic cortisol and cortisone metabolism during the time of non-stress and surgical stress] Funyu T, et al. Clin Endocrinol (Tokyo) 20:731-7, Sep 72 (Jap)

PHARMACODYNAMICS

Effects of fluorides, cortico-steroids and tetracyclines on extraction wound healing in rats. Hars E, et al.
Acta Odontol Scand 30:511-22, Nov 72

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al. **Biochem Pharmacol 22:293-310, 1 Feb 73**

The effect of cortisone on the formation and resorption of experimental amyloid. Pollack A, et al. **Br J Exp Pathol 54:8-12, Feb 73**

Opposing actions of calcitonin and cortisone upon osteogenesis in a heterotopic site. Thompson JS, et al. **Clin Orthop 90:201-8, Jan-Feb 73**

Specific cytotoxicity of a mouse thymocyte population sensitized in vitro against H-2 alloantigens. Lohmann-Matthes ML, et al. **Eur J Immunol 2:290-2, Jun 72**

Pre- and postweaning disaccharidase patterns in isografts of fetal mouse intestine. Ferguson A, et al. **Gastroenterology 64:292-7, Feb 73**

Albumin metabolism. Rothschild MA, et al. **Gastroenterology 64:324-37, Feb 73 (130 ref.)**

Effects of corticosteroids on liver transaminases in two salmonids, the rainbow trout (Salmo gairdneri) and the brook trout (Salvelinus fontinalis). Freeman HC, et al. **Gen Comp Endocrinol 20:69-75, Feb 73**

Cortisone, age and antibody-mediated immunity. Glick B. **Int Arch Allergy Appl Immunol 42:766-71, 1972**

2,4-Dinitrophenyl receptors on mouse thymus and spleen cells. Lawrence DA, et al. **J Exp Med 137:470-82, 1 Feb 73**

Thymus cell maturation. Studies on the origin of cortisone-resistant thymic lymphocytes. Weissman IL. **J Exp Med 137:504-10, 1 Feb 73**

Synergism between thymocytes and lymph node cells in the graft-verses-host response effect of cortisone treatment of the thymus cell donor. Blomgren H. **J Immunol 110:144-7, Jan 73**

Infection of thymus cells in vivo and in vitro with a guinea pig herpes-like virus and the effect of antibody on virus replication in organ culture. Tenser RB, et al. **J Immunol 110:552-60, Feb 73**

Graft-vs-host reactivity of mouse thymocytes: effect of cortisone pretreatment of donors. Tigelaar RE, et al. **J Immunol 110:567-74, Feb 73**

Combined neoplastic effects of vaccinia virus and 3-methylcholanthrene. I. Studies with mice of different inbred strains. Duran-Reynals ML. **J Natl Cancer Inst 48:95-104, Jan 72**

Combined neoplastic effects of vaccinia virus and 3-methylcholanthrene. II. Genetic factors. Lilly F, et al. **J Natl Cancer Inst 48:105-12, Jan 72**

Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al. **J Physiol (Lond) 227:21P-22P, Dec 72**

Delay of parturition in the rat by anti-inflammatory agents which inhibit the biosynthesis of prostaglandins. Chester R, et al. **Nature 240:37-8, 3 Nov 72**

Interferon induced by endotoxin and Newcastle disease virus in rabbit macrophage and kidney cell cultures. Smith TJ, et al. **Proc Soc Exp Biol Med 142:481-6, Feb 73**

[Specificity of enzyme induction in rat liver due to cortisone] Kröger H, et al. **Hoppe Seylers Z Physiol Chem 353:1542, Oct 72 (Ger)**

[Physiologic mechanism of inflammation, especially in redintegration] Nagai K. **J Nihon Univ Sch Dent 14:42-52, Jun 72 (Eng. Abstr.) (Ger)**

[Age difference in the cortisone-induced changes of the mice hepatic cells. 1. Cytological and histochemical studies] Sato T, et al. **Jap J Geriatr 9:357-63, Nov 72 (Eng. Abstr.) (Jap)**

[Cytophotometric study of the effect of cortisone on glycogen content of liver cells and hepatomas 46 and 48] Mozhenok TP, et al. **Tsitologiia 15:60-6, Jan 73 (Eng. Abstr.) (Rus)**

THERAPEUTIC USE

Diencephalic syndrome. Long-term survival. Markeshery WR, et al. **Am J Dis Child 125:123-5, Jan 73**

Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. **Am J Med Sci 264:143-7, Aug 72**

Steroids in treatment of pertussis. A controlled clinical trial. Zoumboulakis D, et al. **Arch Dis Child 48:51-4, Jan 73**

Diagnosis and therapy of retroperitoneal fibrosis. (Analysis of 31 cases). Wagenknecht LV, et al. **Bull Soc Int Chir 31:534-8, Nov-Dec 72**

Ganglions of the wrist and hand. Nelson CL, et al. **J Bone Joint Surg [Am] 54:1459-64, Oct 72**

Iodide mumps following excretory urography. Imhur DJ, et al. **J Urol 108:629-30, Oct 72**

New drugs for treatment of Paget's disease. **Med Lett Drugs Ther 14:23-4, 31 Mar 72**

Geriatrics. **Q Med Rev 23:1-23, Jul 72 (20 ref.)**

Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement. Newsome HH Jr, et al. **Surgery 73:429-33, Mar 73**

[Murine typhus revealed by pericarditis] Grand A, et al. **Arch Mal Coeur 65:611-20, May 72 (Eng. Abstr.) (Fre)**

[Barbiturate rheumatism] Camus JP, et al. **Rev Prat 22:1963-7, 21 Apr 72 (Fre)**

[Paralytic cervico-brachial neuralgia] Lièvre JA. **Rev Rhum Mal Osteoartic 39:665-70, Nov 72 (Eng. Abstr.) (Fre)**

[Dermatitis due to facial cosmetics--diagnosis and therapy] Boateng G, et al. **Arch Dermatol Forsch 244:168-70, 1972 (Ger)**

[Successful intrathecal treatment of meningeal leukaemia with methotrexate in the adult] Kölmel HW, et al. **Dtsch Med Wochenschr 98:259-61, 9 Feb 73 (Eng. Abstr.) (Ger)**

[Therapy of subglottic laryngeal stenosis in childhood using a hard rubber bougie] Minnigerode B. **HNO 20:370-1, Dec 72 (Eng. Abstr.) (Ger)**

[Autoaggression diseases of the lung] Miczoch F. **Wien Med Wochenschr 122:534-8, 16 Sep 72 (Ger)**

[Clinical forms and therapy of thrombopenic syndromes in childhood] Lombardo G, et al. **Minerva Pediatr 24:1331-403, 15 Sep 72 (Ita)**

[On the use of isotope hypophysectomy with yttrium 90 in mammary neoplasms] Oproiu A. **Stud Cercet Endocrinol 24:125-30, 1973 (Rum)**

[Myelomatosis--diagnosis and treatment] Wester PO. **Lakartidningen 70:475-8, 7 Feb 73 (Eng. Abstr.) (Swe)**

URINE

Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al. **J Chromatogr Sci 11:76-82, Feb 73**

[Metabolism of glucocorticoids in Macaca rhesus] Vorontsev VI, et al. **Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 (Eng. Abstr.) (Rus)**

DEHYDROEPIANDROSTERONE

Isolation and characterization of 17 -hydroxy steroid dehydrogenase from human erythrocytes. Mulder E, et al. **Biochem J 127:649-59, May 72**

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. **Biol Reprod 7:278-87, Oct 72**

[Possible interpretation of psoriasis as a dehydroepiandrosterone deficiency] Holzmann H, et al. **Actas Dermosifiliogr 63:1-16, Jan-Feb 73 (90 ref.) (Eng. Abstr.) (Spa)**

ANALYSIS

[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al. **Gerontol Clin (Basel) 14:160-71, 1972 (Fre)**

[Recent findings on steroid metabolism in psoriasis] Morsches B, et al. **Arch Dermatol Forsch 244:556-8, 1972 (Ger)**

BIOSYNTHESIS

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al. **Arch Biochem Biophys 153:188-92, Nov 72**

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al. **Endocrinology 92:1200-7, Apr 73**

ADRENAL

BLOOD

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73

Developmental pattern of testosterone syntbesis in the fetal gonad of tbe rabbit. Wilson JD, et al. Endocrinology 92:1182-91, Apr 73

Intravenous prostaglandins E 2 and F 2 and syntocinon for tbe induction of term labor. Anderson GG, et al. J Reprod Med 0:287-91, Dec 72

A radioimmunoassay for serum dehydroepiandrosterone sulfate. Sekihara H, et al. Steroids 20:813-24, Dec 72

[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al. Gerontol Clin (Basel) 14:160-71, 1972 (Fre)

[Recent findings on steroid metabolism in psoriasis] Morscbes B, et al. Arcb Dermatol Forsch 244:556-8, 1972 (Ger)

[Possible interpretation of psoriasis as a dehydroepiandrosterone deficiency] Holzmann H, et al. Actas Dermosifiliogr 63:1-16, Jan-Feb 73 (90 ref.) (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for tbe formation of androgens and estrogens by tbe follicular and stromal compartments of buman ovaries. Patwardhan VV, et al. Steroids 20:761-71, Dec 72

METABOLISM

Quantitative assessment of tbe principal steroids formed by buman placentas perfused witb labelled cholesterol in vitro. Telegdy G, et al. Acta Endocrinol (Kbh) 72:127-36, Jan 73

Rat fetal target organ delta-5, 3 beta-hydroxysteroid debydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS. Endocrinology 92:1043-50, Apr 73

Enzymatic oxidation and reduction of C 19-delta 5-3 beta-hydroxysteroids by bepatic microsomes. II. Effect of age in rats on 16,17-oxido-reduction of 3 beta-hydroxyandrost-5-en-17-one (DHA). Tabei T, et al. Endocrinology 92:1161-4, Apr 73

Developmental pattern of testosterone syntbesis in tbe fetal gonad of tbe rabbit. Wilson JD, et al. Endocrinology 92:1182-91, Apr 73

In vitro steroidogenesis by testes of tbe cbicken (Gallus domesticus). Nakamura T, et al. Gen Comp Endocrinol 19:432-40, Dec 72

Tbe metabolism of dehydroepiandrosterone by buman scalp hair follicles. Fazekas AG, et al. J Clin Endocrinol Metab 36:582-6, Mar 73

Patbways for androgen syntbesis in vitro by tbe testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72

In vitro transformation of debydroepiandrosterone or its sulphate into androstenediol or its sulphate by rat brain and blood preparations. Kishimoto Y. J Neurochem 20:211-23, Jan 73

The metabolism of androgens in rat preputial glands. Hodgins MB, et al. Steroids 21:307-22, Feb 73

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for tbe formation of androgens and estrogens by tbe follicular and stromal compartments of buman ovaries. Patwardhan VV, et al. Steroids 20:761-71, Dec 72

[Comparative aspect of tbe syntbesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al. Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

[Percutaneous absorption studies using corticoids] Garn W. Arch Dermatol Forsch 244:546-8, 1972 (Ger)

[Recent findings on steroid metabolism in psoriasis] Morscbes B, et al. Arch Dermatol Forsch 244:556-8, 1972 (Ger)

[Metabolism of DHA and DHA sulfate and their interconversion] Kono T, et al. Clin Endocrinol (Tokyo) 20:1029-33, Dec 72 (Jap)

PHARMACODYNAMICS

Dehydroepiandrosterone-sulphate in isoproterenol cardiomegaly. Kölbel F, et al. Acta Biol Med Ger 29:149-53, 1972

Hormonal correlates of sexual behaviour in sub-buman primates. Everitt BJ, et al. Dan Med Bull 19:246-58, Dec 72

[Metabolic complications of obesity--attempt to influence them by dehydroepiandrosterone sulfate] Simonová J, et al. Sb Lek 75:27-32, Jan 73 (Eng. Abstr.) (Cze)

[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al. Gerontol Clin (Basel) 14:160-71, 1972 (Fre)

[Contraceptive agents and growtb of hair on tbe model of pregnancy from the animal experiment viewpoint] Bosse K. Arch Dermatol Forsch 244:507-10, 1972 (Ger)

PHYSIOLOGY

[Relationship between sex hormones, atberosclerosis and Takayasu's disease (arteriosclerocirrbosis, Nasu): sex bormones and arteriosclerosis] Shimamoto M. Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)

[Adrenocortical bormones and arteriosclerosis] Takeda R, et al. Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)

THERAPEUTIC USE

Dehydroepiandrosterone-sulphate in isoproterenol cardiomegaly. Kölbel F, et al. Acta Biol Med Ger 29:149-53, 1972

[Metabolic complications of obesity--attempt to influence tbem by debydroepiandrosterone sulfate] Simonová J, et al. Sb Lek 75:27-32, Jan 73 (Eng. Abstr.) (Cze)

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al. Acta Endocrinol (Kbh) 72:182-90, Jan 73

Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al. Acta Endocrinol (Kbh) 72:191-6, Jan 73

The excretion of C-16 oxygenated neutral steroid sulphates and dehydroepiandrosterone sulphate in normal pregnancy, and a comparison with tbeir excretion by endocrinologically normal subjects of both sexes. Setb J, et al. Acta Endocrinol (Kbh) 72:587-603, Mar 73

Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al. Can J Biochem 50:1273-81, Dec 72

Determination of individual urinary 17-ketosteroids as tbe dansyl-bydrazones. Apter C, et al. Clin Chim Acta 42:115-8, Nov 72

Corticoadrenal and adrenergic overactivity and byperlipidemia in prolonged emotional stress. Arguelles AE, et al. Hormones 3:167-74, 1972

Urinary steroid levels in newborn infants with intrauterine growth retardation. Reynolds JW, et al. J Clin Endocrinol Metab 36:576-81, Mar 73

[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al. Gerontol Clin (Basel) 14:160-71, 1972 (Fre)

[Recent findings on steroid metabolism in psoriasis] Morscbes B, et al. Arch Dermatol Forsch 244:556-8, 1972 (Ger)

[Fluctuation of the urinary 17KS levels during tbe administration of dexamethasone and HCG in women witb normal menstrual cycles] Yoshida T, et al. Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)

[Secondary amenorrhea in girls in the light of some hormonal studies] Komorowska A, et al. Ginekol Pol 44:155-60, Feb 73 (Eng. Abstr.) (Pol)

[Possible interpretation of psoriasis as a dehydroepiandrosterone deficiency] Holzmann H, et al. Actas Dermosifiliogr 63:1-16, Jan-Feb 73 (90 ref.) (Eng. Abstr.) (Spa)

DESOXYCORTICOSTERONE

Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization. Milgrom E, et al. **J Biol Chem** 248:1106-14, 10 Feb 73

Production of hypertension with desoxycorticorticosterone acetate-impregnated silicone rubber implants. Ormsbee HS 3d, et al. **J Pharm Sci** 62:255-7, Feb 73

Observations of microcirculation in the mesentery of DCA hypertensive rats. Suzuki T, et al. **Microvasc Res** 5:20-33, Jan 73

[Thermic and storage stability of oily solutions of desoxycorticosterone acetate] Horsch W, et al. **Pharmazie** 28:135-6, Feb 73 (Ger)

[Effect of coenzyme Q 10 on experimental hypertensive cardiovascular disease in desoxycorticosterone acetate-saline loaded rats] Igarashi T, et al. **Folia Pharmacol Jap** 68:460-72, Jul 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

Production of hypertension with desoxycorticorticosterone acetate-impregnated silicone rubber implants. Ormsbee HS 3d, et al. **J Pharm Sci** 62:255-7, Feb 73

ANTAGONISTS & INHIBITORS

SCH 10595, an effective dopamine- -hydroxylase inhibitor and a hypotensive agent. Korduba CA, et al. **J Pharmacol Exp Ther** 184:671-7, Mar 73

BIOSYNTHESIS

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al. **Endocrinology** 92:1200-7, Apr 73

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. **J Steroid Biochem** 3:767-72, Sep 72

BLOOD

The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. **Endocrinology** 92:994-1004, Apr 73

Suppression of aldosterone in salt susceptible and salt resistant rats. Rapp JP, et al. **Endocrinology** 92:1286-9, Apr 73

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. **J Clin Endocrinol Metab** 36:730-3, Apr 73

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. **J Steroid Biochem** 3:767-72, Sep 72

CHEMICAL SYNTHESIS

[Synthesis of 6 -methyl- and 16 -methyldesoxycorticosterone] Valcavi U, et al. **Farmaco [Sci]** 27:962-70, Nov 72 (Eng. Abstr.) (Ita)

METABOLISM

C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metabolism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and absence of ACTH in vitro. Ducharme JR, et al. **Acta Endocrinol (Kbh)** 72:63-74, Jan 73

11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria. Harano Y, et al. **Arch Biochem Biophys** 153:68-73, Nov 72

Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone. Funder JW, et al. **Endocrinology** 92:1005-13, Apr 73

The roles of plasma binding and receptor specificity in the mineralocorticoid action of aldosterone. Funder JW, et al. **Endocrinology** 92:994-1004, Apr 73

Proximal and distal tubular function in salt-deprived and in salt-loaded deoxycorticosterone acetate-escaped rats. Sonnenberg H. **J Clin Invest** 52:263-72, Feb 73

Pteridine and steroid hydroxylation-(I). I.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrhynchos) adrenocortical tissue preparations. Lehoux JG, et al. **J Steroid Biochem** 3:773-9, Sep 72

PHARMACODYNAMICS

Reevaluation of DOCA escape phenomenon. Möhring J, et al. **Am J Physiol** 223:1237-45, Nov 72

Role of mineralocorticoids in the natriuresis of water immersion in man. Epstein M, et al. **Circ Res** 32:228-36, Feb 73

Hypertension following adrenal enucleation and its absence during desoxycorticosterone treatment in Long-Evans rats. Hall CE, et al. **Endocrinology** 92:1175-81, Apr 73

Proximal and distal tubular function in salt-deprived and in salt-loaded deoxycorticosterone acetate-escaped rats. Sonnenberg H. **J Clin Invest** 52:263-72, Feb 73

Production of hypertension with desoxycorticorticosterone acetate-impregnated silicone rubber implants. Ormshee HS 3d, et al. **J Pharm Sci** 62:255-7, Feb 73

Diagnosis, characterization and management of post-obstructive diuresis. Vaughan ED Jr, et al. **J Urol** 109:286-92, Feb 73

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. **Proc Soc Exp Biol Med** 142:656-9, Feb 73

Prostaglandin (PGA1), angiotensin and renal function. McClatchey WM, et al. **Prostaglandins** 2:213-7, Sep 72

[Study of adrenocortical mineralotropic function in acromegaly. Apropos of 15 cases] Modigliani E, et al. **Ann Endocrinol (Paris)** 33:301-3, May-Jun 72 (Eng. Abstr.) (Fre)

[The role of the adrenal glands in mobilizing carbohydrate and fat resources upon overstimulation of rats] Khechinashvili GG. **Farmakol Toksikol** 35:575-80, Sep-Oct 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Lufkin EG, et al. **Am J Med Sci** 264:367-74, Nov 72

DEXAMETHASONE

ADMINISTRATION & DOSAGE

Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of Cushing's syndrome. Crougbs RJ, et al. **Acta Endocrinol (Kbh)** 72:54-62, Jan 73

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. **Am J Med** 54:195-200, Feb 73

Plasma cortisol suppression in glaucoma. Becker B, et al. **Am J Ophthalmol** 75:73-6, Jan 73

Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K. **Endocrinol Jap** 19:461-75, Oct 72

Studies on the preservation of canine lung at subzero temperatures. Okaniwa G, et al. **J Thorac Cardiovasc Surg** 65:180-6, Feb 73

[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzbenkov VE, et al. **Farmakol Toksikol** 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

A new product for management of dermatoses. Jones HL. **Mod Vet Pract** 53:29-31, Nov 72 (14 ref.)

ANALYSIS

Spectrophotometric analysis of intravenous admixtures containing metaraminol and corticosteroids. Turner FE, et al. **Am J Hosp Pharm** 30:128-33, Feb 73

DIAGNOSTIC USE

Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of

Cushing's syndrome. Crougbs RJ, et al. **Acta Endocrinol (Kbh) 72:54-62, Jan 73**

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al. **Acta Endocrinol (Kbh) 72:182-90, Jan 73**

Plasma cortisol suppression in glaucoma. Becker B, et al. **Am J Ophthalmol 75:73-6, Jan 73**

Cushing's disease witb periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al. **J Clin Endocrinol Metab 36:445-51, Mar 73**

Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood. Franks RC. **J Clin Endocrinol Metab 36:702-5, Apr 73**

Plasma cortisol level in normal Indian subjects and its variation in disease. Koshy TS, et al. **J Indian Med Assoc 59:89-92, 1 Aug 72**

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **Trans Am Assoc Genitonrin Surg 64:90-3, 1972**

[A case of transient gynecomasty with hyperestrogenesis of nontumoral testicular origin] Gorins A, et al. **Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)**

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. **Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)**

[The hypothalamo-hypopbyseal-adrenal gland system and steroid glaucoma] Schwartz B. **Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)**

[Diagnosis and tberapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Steroid diagnosis of adrenal cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A. **Bratisl Lek Listy 59:214-26, Feb 73 (Slo)**

METABOLISM

Plasma cortisol suppression in glaucoma. Becker B, et al. **Am J Ophthalmol 75:73-6, Jan 73**

Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone. Funder JW, et al. **Endocrinology 92:1005-13, Apr 73**

Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al. **J Biol Chem 248:478-83, 25 Jan 73**

Corticoid binding component in rat brain. Chytil F, et al. **J Neurochem 19:2877-80, Dec 72**

PHARMACODYNAMICS

Dexamethasone or propranolol blockade of induced increase in plasma progesterone in early human pregnancy. Fylling P. **Acta Endocrinol (Kbh) 72:569-72, Mar 73**

Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al. **Aerosp Med 44:1-4, Jan 73**

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. **Am J Physiol 224:543-7, Mar 73**

Adrenal influence on the supercompensation of cardiac glycogen following exercise. Poland JL, et al. **Am J Physiol 224:540-2, Mar 73**

Respiratory smooth muscle relaxing effect of commercial steroid preparations. Geddes BA, et al. **Am Rev Respir Dis 107:395-9, Mar 73**

Effects of dexamethasone and chlorpromazine on skeletal muscle surface hydrogen ion concentration during cardiopulmonary bypass: experimental and clinical results. Gazzaniga AB, et al. **Ann Surg 176:757-60, Dec 72**

Multiple effects of dexamethasone on protein synthesis and hyperplasia caused by a tumor promoter. Scribner JD, et al. **Cancer Res 33:542-6, Mar 73**

The role of adrenal corticosteroids in the regulation of kidney function in the desert lizard Dipsosaurus dorsalis. Bradshaw SD, et al. **Comp Biochem Physiol [A] 43:621-35, 1 Nov 72**

The effects of low body temperatures on deposition of tracers in the mammalian brain. Wells LA. **Cryobiology 9:367-82, Oct 72**

Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Harumiya K. **Endocrinol Jap 19:461-75, Oct 72**

Inhibition of induction of tyrosine aminotransferase following administration of D-galactosamine. Reutter W, et al. **Hoppe Seylers Z Physiol Chem 353:1561, Oct 72**

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. **Hormones 3:105-18, 1972**

Adrenal response to ACTH in the pig. Sebranek JG, et al. **J Anim Sci 36:41-4, Jan 73**

The status of beta-adrenergic blocking drug "propranolol" in severe tetanus. (A preliminary clinico-experimental report). Sainani GS, et al. **J Assoc Physicians India 20:789-93, Oct 72**

Induction of tyrosine aminotransferase by dexamethasone, insulin, and serum. Characterization of the induced enzyme. Gelehrter TD, et al. **J Biol Chem 247:6197-203, 10 Oct 72**

A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. Gospodarowicz D. **J Biol Chem 248:1314-7, 25 Feb 73**

Hormonal modulation of amino acid transport in rat hepatoma cells in tissue culture. Risser WL, et al. **J Biol Chem 248:1248-54, 25 Feb 73**

Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. **J Comp Physiol Psychol 82:60-5, Jan 73**

Plasma corticosterone level in runt disease. Abe T, et al. **J Natl Cancer Inst 48:119-23, Jan 72**

Mid-term abortion induced in sheep by synthetic corticoids. Fylling P, et al. **J Reprod Fertil 32:305-6, Feb 73**

Induction of parturition in cattle with corticosteroids. Welch RA. **J Reprod Fertil 32:348, Feb 73**

Suppression of pituitary-adrenal response to stress witb physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. **Neuroendocrinology 10:246-56, 1972**

Receptor involvement in the central noradrenergic inhibition of ACTH secretion in the rat. Scapagnini U, et al. **Neuropharmacology 12:57-62, Jan 73**

Expression of differentiated functions in hepatoma cell hybrids: alanine aminotransferase. Sparkes RS, et al. **Proc Natl Acad Sci USA 70:377-81, Feb 73**

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al. **Q J Med 42:175-204, Jan 73**

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

Respiratory responses to ACTH and dexamethasone in unanesthetized goats. Watkins BE, et al. **Respir Physiol 17:127-33, Jan 73**

Cold-induced diuresis. A study with special reference to electrolyte excretion, osmolal balance and hormonal changes. Lennquist S. **Scand J Urol Nephrol 9:Suppl 9:1-142, 1972**

A radioimmunoassay for plasma corticosterone. Gross HA, et al. **Steroids 20:681-95, Dec 72**

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al. **Steroids 20:609-20, Nov 72**

[Appearance of biliary canalicules in the rat fetal liver in cell cultures treated witb glucocorticoids] Lambiotte M, et al. **C R Acad Sci [D] (Paris) 275:2539-42, 27 Nov 72 (Fre)**

[Electron microscopy studies on the rat adrenal cortex following administration of a glucocorticoid] Ueberberg H. **Endokrinologie 60:161-80, 1972 (Eng. Abstr.) (Ger)**

[Significance of 3',5'-cyclic AMP in the gastric secretion of tbe rat] Domschke W, et al. **Hoppe Seylers Z Physiol Chem 353:1509, Oct 72 (Ger)**

[In-vitro stimulation of gluconeogenesis from pyruvate and 14CO2 fixation in kidney cortex of adrenalectomized rat using dexamethasone phosphate and vasopressin] Stumpf B, et al. **Hoppe Seylers Z Physiol Chem 353:1571-2, Oct 72 (Ger)**

[Role of the substrate in the induction of tyrosine-alpha-oxoglutarate transaminase in RLC cells] Voss H, et al. **Hoppe Seylers Z Physiol Chem 353:1574, Oct 72 (Ger)**

[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B.

Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)
[Fluctuation of the urinary 17KS levels during the administration of dexamethasone and HCG in women with normal menstrual cycles] Yosbida T, et al. Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)
[Experimentally induced gastric erosions and gastric mucosal pepsin] Nagamachi Y.
Jap J Gastroenterol 69:1151-62, Nov 72 (Eng. Abstr.) (Jap)
[The role of the adrenal glands in mobilizing carbohydrate and fat resources upon overstimulation of rats] Kbechinashvili GG.
Farmakol Toksikol 35:575-80, Sep-Oct 72 (Eng. Abstr.) (Rus)
[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al.
Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)

STANDARDS

[German pharmacopoeia, 7th edition. IX. Delivery]
Pharmazie 28:81-4, Feb 73 (Ger)

THERAPEUTIC USE

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73
Experimental adrenalectomy of pigs. Lustgarten C, et al. Am J Vet Res 34:279-82, Feb 73
Progressive, atrophying, chronic granulomatous dermohypodermitis. Autoimmune disease? Convit J, et al. Arch Dermatol 107:271-4, Feb 73
Herpes zoster dendritic keratitis. Pavan-Langston D, et al. Arch Ophthalmol 89:25-9, Jan 73
The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73
The natural history of primary open-angle glaucoma. Kolker AE. Isr J Med Sci 8:1350-6, Aug-Sep 72
A kindred with familial glucocorticoid suppressible aldosteronism. Glehink GS, et al.
J Clin Endocrinol Metab 36:715-23, Apr 73
ACTH-induced alterations in catecholamine metabolism in man. Hauger-Klevene JH, et al.
J Clin Endocrinol Metab 36:679-83, Apr 73
Dissociation of MSH and ACTH release in man. Kastin AJ, et al. J Clin Endocrinol Metab 36:770-2, Apr 73
Brain abscess due to Haemophilus aphrophilus: case report. Yamashita J, et al.
J Neurol Neurosurg Psychiatry 35:909-11, Dec 72
Granulomatous hepatitis and prolonged fever of unknown origin: a study of 13 patients. Simon HB, et al. Medicine (Baltimore) 52:1-21, Jan 73
A new product for management of dermatoses. Jones HL. Mod Vet Pract 53:29-31, Nov 72 (14 ref.)
Acute progressive ventral pontine disease in beroin abuse. Hall JH 3d, et al.
Neurology (Minneap) 23:6-7, Jan 73
The effect of dexamethasone on brain edema in patients with metastatic brain tumors. Weinstein JD, et al. Neurology (Minneap) 23:121-9, Feb 73
Mechanisms of lymphorrhage into the serous cavities with description of a case. Górecki R, et al.
Pol Med J 11:1242-51, 1972
Management of respiratory allergy by nonallergists. 1. Allergic rbinitis. Seebohm PM.
Postgrad Med 53:52-6, Mar 73
Effects of corticosteroid (dexamethasone) administration on the brain scan. Marty R, et al.
Radiology 107:117-21, Apr 73
Concepts in management of burns of the respiratory tract. Cohn AM. South Med J 66:297-301, Mar 73
[Pituitary tumors and Cushing's syndrome] Bricaire H, et al. Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)
[Progress in drug therapy] Favez G.
Ther Umsch 30:213-7, Mar 73 (Fre)
[Polyradiculoneuritis of prolonged development. Apropos of 2 cortico-dependent cases] Mello AR de, et al.
Arq Neuropsiquiatr 30:335-9, Dec 72 (Eng. Abstr.) (Por)
[Contribution to the therapy of nocardial mycetoma] Mello Filho A.
Rev Assoc Med Bras 18:435-40, Nov 72 (Eng. Abstr.) (Por)
[Clinical course and treatment of mycosis fungoides] Skripkin IuK, et al.
Vestn Dermatol Venerol 46:18-21, Nov 72 (Eng. Abstr.) (Rus)
[Pemphigus vulgaris (current aspects of its etiology, pathogenesis, clinical picture, diagnosis and treatment)] Torsuev NA, et al.
Vestn Dermatol Venerol 46:7-11, Sep 72 (Rus)

URINE

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73

ETIOCHOLANOLONE

Effects of induced fever on sulfobromophthalein kinetics in man. Blaschke TF, et al.
Ann Intern Med 78:221-6, Feb 73

BIOSYNTHESIS

Metabolism of 1-dehydroandrostanes in man. II-Metabolism of 5 beta-androst-1-enes. Galletti F, et al. J Steroid Biochem 3:831-5, Sep 72

PHARMACODYNAMICS

Variations of erythrocyte glycolysis following androgens. Molinari PF, et al.
J Lab Clin Med 81:443-6, Mar 73

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Kbh) 72:182-90, Jan 73
Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al.
Can J Biochem 50:1273-81, Dec 72
Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Apter C, et al.
Clin Chim Acta 42:115-8, Nov 72
Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al.
J Chromatogr Sci 11:76-82, Feb 73
[Fluctuation of the urinary 17KS levels during the administration of dexamethasone and HCG in women with normal menstrual cycles] Yoshida T, et al.
Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)

FLUDROCORTISONE

THERAPEUTIC USE

Postobstructive diuresis. Studies in a dialyzed patient with a solitary kidney. Falls WF Jr, et al.
Am J Med 54:404-12, Mar 73
Psychiatric aspects of Addison's disease: report of a case. Thompson WF. Med Ann DC 42:62-4, Feb 73

FLUMETHASONE

PHARMACODYNAMICS

Induction of parturition in cattle with corticosteroids. Welch RA. J Reprod Fertil 32:348, Feb 73

FLUOCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

A rosacea-like eruption of children. Savin JA, et al.
Br J Dermatol 87:425-9, Nov 72
[Pathogenetic mechanism of steroid acne (SA)] Plewig G. Arch Dermatol Forsch 244:544-6, 1972 (Ger)
[Therapeutic experiences with a new topical corticoid (Fluocinonid FAPG)] Eichenberger-de-Beer H.
Praxis 61:1465-7, 21 Nov 72 (Ger)

ADVERSE EFFECTS

A rosacea-like eruption of children. Savin JA, et al.
Br J Dermatol 87:425-9, Nov 72
[Pathogenetic mechanism of steroid acne (SA)] Plewig G. Arch Dermatol Forsch 244:544-6, 1972 (Ger)

ANALYSIS

Steroid determination from complex mixtures by high pressure chromatographic techniques. Landgraf WC, et al. J Pharm Sci 62:278-81, Feb 73

PHARMACODYNAMICS

Induction by topical corticosteroids of skin enzymes metabolizing carcinogenic hydrocarbons. Briggs MH, et al. Br J Dermatol 88:75-81, Jan 73

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. South Med J 66:325-9, Mar 73

[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R. Hautarzt 23:301-5, Jul 72 (Ger)

THERAPEUTIC USE

Evaluation of fluocinonide cream. Coskey RJ, et al. Mich Med 72:45-6, Jan 73

[Methods of clinical trial of a local corticoid] Craps L, et al. Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Therapeutic experiences with a new topical corticoid (Fluocinonid FAPG)] Eichenberger-de-Beer H. Praxis 61:1465-7, 21 Nov 72 (Ger)

TOXICITY

Corticosteroid-induced atrophy of the skin with telangiectasia. A clinical and experimental study. Stevanović DV. Br J Dermatol 87:548-56, Dec 72

FLUPREDNISOLONE

PHARMACODYNAMICS

Early effects of glucocorticoid treatment on amino acid metabolism in lymphosarcoma P1798. Stevens J, et al. Cancer Res 33:370-4, Feb 73

[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R. Hautarzt 23:301-5, Jul 72 (Ger)

THERAPEUTIC USE

Early effects of glucocorticoid treatment on amino acid metabolism in lymphosarcoma P1798. Stevens J, et al. Cancer Res 33:370-4, Feb 73

Idiopathic tarsitis in postparturient dairy cows: clinicopathologic findings and treatment. Van Pelt RW. J Am Vet Med Assoc 162:284-90, 15 Feb 73

[Calmurid HC ointment--a new principle in the treatment chronic traumiterative hand eczema] Hersle K, et al. Z Haut Geschlechtskr 47:571-3, 1 Jul 72 (Ger)

FLURANDRENOLONE

ADMINISTRATION & DOSAGE

Flurandrenolide tape. Med Lett Drugs Ther 14:83, 27 Oct 72

ADVERSE EFFECTS

Flurandrenolide tape. Med Lett Drugs Ther 14:83, 27 Oct 72

PHARMACODYNAMICS

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. South Med J 66:325-9, Mar 73

GLUCOCORTICOIDS

Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al. J Biol Chem 248:478-83, 25 Jan 73

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

ADMINISTRATION & DOSAGE

Systemic corticosteroids in alopecia totalis. Unger WP. Can Med Assoc J 108:177-80, 20 Jan 73

[Intentions of systemic glucocorticoid (GC) therapy] Goerz G. Arch Dermatol Forsch 244:400-3, 1972 (Ger)

[Pharmacodynamics of glucocorticosteroids in the epidermis] Lukacs I. Arch Dermatol Forsch 244:549-50, 1972 (Ger)

[Glucocorticoid] Miura K, et al. Clin Endocrinol (Tokyo) 20:813-6, Oct 72 (11 ref.) (Jap)

ADVERSE EFFECTS

Stress erosions. A major cause of gastrointestinal hemorrhage in patients with malignant disease. Klein MS, et al. Am J Dig Dis 18:167-71, Mar 73

Perioral dermatitis. Sneddon I. Br J Dermatol 87:430-4, Nov 72

Toxic agents and cardiomyopathies. Morin Y, et al. Cardiovasc Clin 4:245-67, 1972 (71 ref.)

Hip problems in systemic disease. Funk FJ Jr. Clin Orthop 90:2-3, Jan-Feb 73

Massive articular osteolysis in rheumatoid arthritis, treated by total hip replacement. Case report and review of literature. Kennedy WR, et al. Clin Orthop 90:161-73, Jan-Feb 73

Hip problems associated with organ transplants. Murray WR. Clin Orthop 90:57-69, Jan-Feb 73

[Bilateral aseptic bone necrosis of the femoral condyles] Fourrier P, et al. Lyon Chir 68:208-9, May-Jun 72 (Fre)

[Chronic active hepatitis] Etienne JP, et al. Nouv Presse Med 1:3133, 23 Dec 72 (Fre)

[Intentions of systemic glucocorticoid (GC) therapy] Goerz G. Arch Dermatol Forsch 244:400-3, 1972 (Ger)

[Glucocorticoid] Miura K, et al. Clin Endocrinol (Tokyo) 20:813-6, Oct 72 (11 ref.) (Jap)

[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS. Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)

[Moniliases as a complication of corticosteroid therapy] Samarina AG, et al. Vestn Dermatol Venerol 46:43-6, Sep 72 (Eng. Abstr.) (Rus)

[Mycoses in heart patients] Monroy JR, et al. Arch Inst Cardiol Mex 42:684-99, Sep-Oct 72 (Spa)

[Diagnostic and therapeutic problems of systemic lupus erythematosus] Robles Gil J. Arch Inst Cardiol Mex 42:813-26, Nov-Dec 72 (Eng. Abstr.) (Spa)

ANALYSIS

Spectrophotometric analysis of intravenous admixtures containing metaraminol and corticosteroids. Turner FE, et al. Am J Hosp Pharm 30:128-33, Feb 73

A method for the estimation of some synthetic glucocorticosteroids in rat muscle. Simpson PM. J Chromatogr 77:161-74, 14 Mar 73

BLOOD

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. Am J Physiol 224:543-7, Mar 73

Experimental adrenalectomy of pigs. Lustgarten C, et al. Am J Vet Res 34:279-82, Feb 73

The role of fatty acid and of hormones in the determination of myocardial carbohydrate metabolism in healthy fasting men. Wahlqvist ML, et al. Eur J Clin Invest 3:57-65, Jan 73

Plasma corticosteroids in Hereford bulls exposed to high ambient temperature. Rhynes WE, et al. J Anim Sci 36:369-73, Feb 73

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. J Anim Sci 36:391-6, Feb 73

Environmental heat exposure on cattle plasma catecholamine and glucocorticoids. Alvarez MB, et al. J Dairy Sci 56:189-94, Feb 73

[Study of a protein binding method for the determination of plasma corticoids] Köbberling J, et al.

Z Klin Chem Klin Biochem 10:67-73, Feh 72 (Eng. Abstr.) (Ger)

METABOLISM

Adrenocorticoids and RNA metaholism in kidney. I. Effect of adrenalectomy on RNA turnover in various subcelluiar fractions of rat kidney. Mishra RK, et al. Biochim Biophys Acta 287:106-12, 16 Nov 72

Corticoid binding component in rat brain. Chytil F, et al. J Neurochem 19:2877-80, Dec 72

Glucocorticoid and mineralocorticoid receptors for aldosterone. Rousseau G, et al. J Steroid Biochem 3:219-27, Feh 72

[Percutaneous absorption studies using corticoids] Garn W. Arch Dermatol Forsch 244:546-8, 1972 (Ger)

[Metaholism of glucocorticoids--in relation to increased anti-inflammatory activity] Mishina Y. Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 (Jap)

[Metaholism of glucocorticoids in Macaca rhesus] Vorontsev VI, et al. Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

An organ culture study of the effect of drugs on the secretory activity of the human bronchial submucosal gland. Sturgess J, et al. Clin Sci 43:533-43, Oct 72

Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells. Szego CM. Gynecol Invest 3:63-95, 1972

Synthesis of glycogen in leucocytes from various precursors. Agam G, et al. Rev Eur Etud Clin Biol 17:650-6, Aug-Sep 72

[Pharmacodynamics of glucocorticosteroids in the epidermis] Lukacs I. Arch Dermatol Forsch 244:549-50, 1972 (Ger)

[Nuclear medicine in the diagnosis of isolated and generalized bone alterations] Montz R. Z Rheumaforsch 31:344-57, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Metaholism of glucocorticoids--in relation to increased anti-inflammatory activity] Mishina Y. Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 (Jap)

[Enzyme induction in the liver--its mechanism and clinical significance] Yamamoto T, et al. Jap J Clin Med 30:1952-65, Sep 72 (148 ref.) (Jap)

[Experimentally induced gastric erosions and gastric mucosal pepsin] Nagamachi Y. Jap J Gastroenterol 69:1151-62, Nov 72 (Eng. Abstr.) (Jap)

[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS. Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)

PHYSIOLOGY

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. Aerosp Med 44:190-3, Feh 73

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. Am J Physiol 224:543-7, Mar 73

Daily changes in foetal urine and relationships with amniotic and allantoic fluid and maternal plasma during the last two months of pregnancy in conscious, unstressed ewes with chronically implanted catheters. Mellor DJ, et al. J Physiol (Lond) 227:503-25, Dec 72

[Prolactin and its significance in human and animal lactation] Berle P. Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Eng. Abstr.) (Ger)

SECRETION

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Relkin R, et al. Neuroendocrinology 11:240-7, 1973

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. Trans Am Assoc Genitourin Surg 64:90-3, 1972

[Function of the adrenal cortex and metaholism of C-21 steroids in children with mucoviscidosis] Taholin VA, et al. Vopr Okhr Materin Det 17:41-4, Sep 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Complete heart block in acute myocardial infarction: drug therapy. Christiansen I, et al. Am Heart J 85:162-6, Feh 73

Clinical trial of topical disodium cromoglycate in vernal kerato-conjunctivitis. Easty DL, et al. Clin Allergy 2:99-107, Jun 72

Prognosis of keratoplasty in phakic and aphakic patients and the use of cryopreserved donor tissue. Capella JA, et al. Isr J Med Sci 8:1298-305, Aug-Sep 72

Medical treatment of herpes. Kaufman HE. Isr J Med Sci 8:1231-4, Aug-Sep 72

Anaphylaxis. Stroh JE Sr. J Asthma Res 10:61-4, Sep 72

Myasthenia gravis and immunity. A review of basic mechanisms. Ryan M, et al. J Kans Med Soc 74:72-7, Mar 73

"Immunosuppressive" treatment of "chronic glomerulonephritis". Kallen RJ, et al. J Pediatr 82:335-9, Feh 73 (45 ref.)

Hypoglycemia in adults. Med Lett Drugs Ther 14:7-8, 4 Feh 72

The management of lye hurns of the esophagus. Med Lett Drugs Ther 14:18-20, 17 Mar 72

Recurrence of nonneoplastic thymus after thymectomy for myasthenia gravis. Report of two cases. Joseph BS, et al. Neurology (Minneap) 23:109-16, Feh 73

Drugs and other agents in renal transplantation. Loughridge LW. Prog Biochem Pharmacol 7:498-520, 1972 (55 ref.)

Acne vulgaris--fact, fancy, and in hetween. Kallvas J. Ration Drug Ther 7:1-5, Mar 73

The management of head injuries. A review. Froman C. S Afr Med J 46:1941-6, 9 Dec 72 (24 ref.)

The prohiem of hypercalcemia. Salmon WD Jr. South Med J 66:85-91, Jan 73

Shock--basic pathophysiology and treatment. Brasmer TH. Vet Clin N Amer 2:219-33, May 72 (9 ref.)

[The value of an ACTH stimulation test for assessing the hypothalamus-hypophysis-adrenal cortex axis in patients treated with glucocorticoid preparations] Kehlet H, et al. Ugeskr Laeger 134:2089-92, 2 Oct 72 (Eng. Abstr.) (Dan)

[Granulomatous peritonitis as a reaction to glove powder] Saltet JF. Ned Tijdschr Geneeskd 116:1940-4, 21 Oct 72 (Eng. Abstr.) (Dut)

[Acido-ketotic acute diahetes in a child treated hy L-asparaginase] Aussannaire M, et al. Arch Fr Pediatr 29:527-32, May 72 (Eng. Abstr.) (Fre)

[Medical treatment of Crohn's disease] Chevrel B. Nouv Presse Med 1:3064-6, 16 Dec 72 (Fre)

[Chronic active hepatitis] Etienne JP, et al. Nouv Presse Med 1:3133, 23 Dec 72 (Fre)

[Sarcoidosis with cranial lacunae. Apropos of a personal case and 7 cases reported in the literature] Bouvier M, et al. Rev Rhum Mal Osteoartic 39:205-14, Mar 72 (Eng. Abstr.) (Fre)

[Intentions of systemic glucocorticoid (GC) therapy] Goerz G. Arch Dermatol Forsch 244:400-3, 1972 (Ger)

[What is assured in the treatment of obstructive airway diseases?] Ulmer WT. Internist (Berlin) 13:507-13, Dec 72 (Ger)

[Heart failure caused hy scierotic coronary diseases and hypertension and its management] Hosoda S. Jap J Clin Med 30:2082-90, Oct 72 (8 ref.) (Jap)

[Serum iron changes in rahhits poisoned with an extract of Amanita phylloides toxins] Wojciechowski L. Pol Tyg Lek 28:20-3, 1 Jan 73 (Eng. Abstr.) (Pol)

[Complex immunomorphological study of thrombocytes in the diagnosis of thromhocytopathies and of the possihility of complex therapy] Germanov VA, et al. Lab Delo 12:750-3, 1972 (Rus)

[Monilíases as a complication of corticosteroid therapy] Samarina AG, et al. Vestn Dermatol Venerol 46:43-6, Sep 72 (Eng. Abstr.) (Rus)

[Effect of steroid therapy on the urinary excretion of amino acids in children with the nephrotic form of glomerulonephritis] Matveev MP, et al. Vopr Okhr Materin Det 17:32-5, Jul 72 (Eng. Abstr.) (Rus)

[Mycoses in heart patients] Monroy JR, et al. Arch Inst Cardiol Mex 42:684-99, Sep-Oct 72 (Spa)

[Diagnostic and therapeutic prohlems of systemic lupus erythematosus] Rohles Gil J. Arch Inst Cardiol Mex 42:813-26, Nov-Dec 72 (Eng. Abstr.) (Spa)

URINE

[Study of a protein binding method for the determination of plasma corticoids] Köhherling J, et al.
Z Klin Chem Klin Biochem 10:67-73, Feb 72 (Eng. Abstr.) (Ger)
[Metaholism of glucocorticoids in Macaca rhesus] Vorontsev VI, et al.
Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 (Eng. Abstr.) (Rus)

HYDROCORTISONE

Antigen recognition hy T lymphocytes. 3. Evidence for two populations of thymus-dependent rosette-forming cells in spleen and lymph nodes. Bach JF, et al. Cell Immunol 6:394-406, Mar 73
Stability to freezing of steroid binding proteins in fish plasma. Idler DR, et al.
Comp Biochem Physiol [B] 44:179-83, 15 Jan 73
Dissolution of hydrocortisone. Short MP, et al.
J Pharm Sci 61:1732-5, Nov 72

ADMINISTRATION & DOSAGE

The action of glucocorticoids on glutamic acid metabolism. Cherkasova LS, et al.
Endokrinologie 60:273-8, 1972
Differential suppressive effect of hydrocortisone on lymphocytes and mononuclear macrophages in delayed hypersensitivity of guinea pigs. Weston WL, et al. J Invest Dermatol 59:345-8, Oct 72
The patterns of RNA synthesis and induction of glycogenic enzymes in rat liver under continuous cortisol administration. Salganik RI, et al.
J Steroid Biochem 3:791-7, Sep 72
Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73
[Treatment of cheloids and cheloid scars with intralesional corticoid injections] Barra J, et al.
Ann Chir Plast 18:59-64, 1973 (Eng. Abstr.) (Fre)
[Fulminating forms of meningococcal infections in children. Proposal of a therapeutic procedure] Saint-Martin J, et al.
Arch Fr Pediatr 29:469-92, May 72 (Eng. Abstr.) (Fre)
[Treatment of tubal occlusion hy the hydrotubation method] Glenc F.
Pol Tyg Lek 27:1978-9, 11 Dec 72 (Eng. Abstr.) (Pol)
[Hydrocortisone treatment of lesions of the symphysis pubis associated with pregnancy and labor] Gliński S.
Pol Tyg Lek 28:59-61, 8 Jan 73 (Eng. Abstr.) (Pol)
[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)
[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al.
Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Species specificity in teratology in the light of analyzing intraspecies differences in mice. Jelínek R, et al. Folia Morphol (Praha) 21:94-6, 1973
Massive autoagglutination, hemolysis, and hypergammaglobulinemia triggered by adrenocortical steroids--a case report. Linsk JA, et al.
Ohio State Med J 69:43-7, Jan 73
[Osteoporosis in multiple sclerosis] Dechamps P, et al.
Acta Neurol Belg 72:215-25, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Severe infectious hepatitis complicated hy acute psychosis in the course of hydrocortisone treatment] Danecka U, et al.
Wiad Lek 26:61-4, 1 Jan 73 (Eng. Abstr.) (Pol)
[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)

ANALYSIS

Errors discovered in a manufacturing program. Das Gupta V. Am J Hosp Pharm 30:112, Feh 73

ANTAGONISTS & INHIBITORS

[The effect of pyrogenal, methyluracil, oxymethacil and their combinations on the absorptive capacity of the reticuloendothelial system against a background of levomycetin and hydrocortisone administration] Davydova VA.
Antibiotiki 17:820-3, Sep 72 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973
[Precocious secretion of corticosteroids hy rahhit embryo adrenal gland cultivated in vitro] Chouraqui J, et al.
C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)

BLOOD

Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of Cushing's syndrome. Croughs RJ, et al.
Acta Endocrinol (Kbh) 72:54-62, Jan 73
The level and circadian rhythm of plasma free 11-hydroxycorticoids in patients with localized intracranial processes, especially of the sellar region. Osterman PO, et al. Acta Neurol Scand 49:115-32, 1973
Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task. O'Hanlon JF, et al. Aerosp Med 44:129-34, Feb 73
Does the human fetal adrenal play a role in parturition? Murphy BE. Am J Obstet Gynecol 115:521-5, 15 Feb 73
Plasma cortisol suppression in glaucoma. Becker B, et al. Am J Ophthalmol 75:73-6, Jan 73
Plasma cortisol response to saltwater adaptation in the American eel Anguilla rostrata. Forrest JN Jr, et al.
Am J Physiol 224:714-7, Mar 73
Ketoacidosis associated with alcoholism in nondiabetic subjects. Levy LJ, et al.
Ann Intern Med 78:213-9, Feh 73
Abnormalities of insulin and growth hormone secreton in children with coeliac disease. Day G, et al.
Arch Dis Child 48:41-6, Jan 73
Variations of plasma cortisol and hlood fihrinolytic activity during anaesthetic and surgical stress. Engquist A, et al. Br J Anaesth 44:1291-7, Dec 72
The effect of epidural analgesia on the adrenocortical response to surgery. Lush D, et al.
Br J Anaesth 44:1169-72, Nov 72
Cell-mediated immunity in patients with malignant melanoma. Mackie RM, et al.
Br J Dermatol 87:523-8, Dec 72
Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. Brain 95:249-64, 1972
Observations on the safety of disodium cromoglycate in long-term use in children. Smith JM, et al.
Clin Allergy 2:143-51, Jun 72
Nonspecific interferences in the fluorometric determination of plasma cortisol. Koch TR, et al.
Clin Chem 19:258-61, Feh 73
Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Sawano S, et al.
Endocrinol Jap 19:477-81, Oct 72
Effect of hypophysectomy on renal function in the freshwater North American eel (Anguilla rostrata LeSueur). Butler DG.
Gen Comp Endocrinol 20:125-36, Feh 73
Childhood hypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla responsiveness. Sizonenko PC, et al.
Helv Paediatr Acta 27:565-73, Dec 72
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. Hormones 3:65-76, 1972
Studies on growth hormone release and cortisol with intravenous glucose loading. Devlin JG, et al.
Ir J Med Sci 141:69-78, Apr-Jun 72
The natural history of primary open-angle glaucoma. Kolker AE. Isr J Med Sci 8:1350-6, Aug-Sep 72
Changes in serum cortisol, glucose and free fatty acid levels during tolhutamide-induced hypoglycemia in obese women. Laurian L, et al.
Isr J Med Sci 8:1817-22, Nov 72
Plasma corticosteroids in Hereford bulls exposed to high ambient temperature. Rhynes WE, et al.
J Anim Sci 36:369-73, Feh 73
Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al.
J Anim Sci 36:391-6, Feh 73
Anti-estrogens and plasma proteins. I. Clomiphene and

isomers, ethamoxytriphetol, U-11,100A and U-11,555A. Barbosa J, et al.
J Clin Endocrinol Metab 36:666-78, Apr 73

Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al.
J Clin Endocrinol Metab 36:706-14, Apr 73

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al.
J Clin Endocrinol Metab 36:730-3, Apr 73

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab** 36:482-7, Mar 73

Interference of 21-deoxycortisol with cortisol assay methods. Cook DM, et al.
J Clin Endocrinol Metab 36:608-10, Mar 73

A kindred with familial glucocorticoid suppressible aldosteronism. Gieblnk GS, et al.
J Clin Endocrinol Metab 36:715-23, Apr 73

Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al.
J Clin Endocrinol Metab 36:784-7, Apr 73

Dissociation of MSH and ACTH release in man. Kastin AJ, et al. **J Clin Endocrinol Metab** 36:770-2, Apr 73

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to hilateral adrenal hyperplasia. Takehe K.
J Clin Endocrinol Metab 36:433-8, Mar 73

Environmental heat exposure on cattle plasma catecholamine and glucocorticoids. Alvarez MB, et al.
J Dairy Sci 56:189-94, Feb 73

The distribution of cortisol and its rate of turnover in normal and cold-stressed shorn sheep. Panaretto BA, et al. **J Endocrinol** 55:519-31, Dec 72

Plasma cortisol. Chhetri MK.
J Indian Med Assoc 59:118-9, 1 Aug 72

Plasma cortisol level in normal Indian subjects and its variation in disease. Koshy TS, et al.
J Indian Med Assoc 59:89-92, 1 Aug 72

Chemical analyses of sera influencing neoplastic transformation in vitro. Sanford KK, et al.
J Natl Cancer Inst 49:1553-61, Dec 72

Adrenocortical function in persons occupationally exposed to pesticides. Morgan DP, et al.
J Occup Med 15:26-8, Jan 73

Metabolic aspects of the Beckwith-Wiedemann syndrome. Schiff D, et al. **J Pediatr** 82:258-62, Feb 73

Effect of corticosteroid treatment of urinary epinepbrine response to induced hypoglycemia in asthmatic children. Morris HG, et al.
J Pharmacol Exp Ther 184:180-8, Jan 73

Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al.
J Physiol (Lond) 227:21P-22P, Dec 72

Prolonged serum half-life of cortisol in renal failure. Bacon GE, et al.
Johns Hopkins Med J 132:127-31, Feb 73

Aerosol beclometbasone dipropionate in chronic bronchial asthma. Gaddie J, et al.
Lancet 1:691-3, 31 Mar 73

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73

Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. **Neurology (Minneap)** 22:1257-67, Dec 72

Thyrotropin behavior in thyroid disorders of childbood. Hayek A, et al. **Pediatr Res** 7:28-38, Jan 73

Percutaneous adrenal venography in the dog. Chisholm DP Jr, et al. **Radiology** 106:281-4, Feb 73

The renal excretion of cortisol. Lindholm J.
Scand J Clin Lab Invest 31:115-8, Jan 73

Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73

Cushing's syndrome: diagnosis and surgical management. Pridgen WR, et al.
South Med J 66:313-6, Mar 73

A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al.
Steroids 21:169-80, Feb 73

Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement. Newsome HH Jr, et al. **Surgery** 73:429-33, Mar 73

Tektite II: medical supervision of the scientists in the sea. XIV. Biochemical, hematological, and endocrine studies. Beckman EL, et al.
Tex Rep Biol Med 30:191-201, Fall 72

Plasma cortisol levels following short term betamethasone therapy for oral surgical procedures. Hooley JR, et al.
Trans Congr Int Assoc Oral Surg 4:188-90, 1973

Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Goodwin TJ, et al.
Tubercle 53:251-4, Dec 72

[Function of the adrenal cortex in blood donors] Bumba J, et al.
Vnitr Lek 19:32-4, Jan 73 (Eng. Abstr.) **(Cze)**

[Persistence of circadian rhythms of plasma insulin, glucagon and cortisol, as well as oxygen consumption and the respiratory quotient, during a calorie restricted protein diet] Apfelbaum M, et al.
Ann Endocrinol (Paris) 33:274-7, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Effect of low-frequency mechanical vibrations on the corticoadrenal function in humans] Pesquies P, et al.
C R Soc Biol (Paris) 166:874-8, 1972 **(Fre)**

[Adrenal cortex function in normal newborn infants. Investigation with a method of blood cortisol determination using microsamplings] Hadjian AJ, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:604-5, Sep 72 **(Fre)**

[Kinetic study of blood cortisol during coma: changes in the circadian rhythm] Bertrand A, et al.
Sem Hop Paris 48:2935-41, 8 Nov 72 (Eng. Abstr.) **(Fre)**

[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B.
Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) **(Ger)**

[Plasma cortisol and glaucoma] Weinstein P, et al.
Klin Monatsbl Augenheilkd 161:277-9, Sep 72 (Eng. Abstr.) **(Ger)**

[Determination of plasma cortisol levels in children treated with ACTH during Still's disease and rheumatoid arthritis] Rajmann E, et al.
Z Kinderheilkd 114:69-82, 22 Jan 73 (Eng. Abstr.) **(Ger)**

[Study of a protein binding method for the determination of plasma corticoids] Köhberling J, et al.
Z Klin Chem Klin Biochem 10:67-73, Feb 72 (Eng. Abstr.) **(Ger)**

[Effect of CT-1341, a new steroid anesthetic agent on adrenocortical function in man] Maeda A, et al.
Jap J Anesthesiol 22:59-65, Jan 73 (Eng. Abstr.) **(Jap)**

[Plasma cortisol (hydrocortisone) dynamics in extracorporeal circulation] Hamanaka Y, et al.
Jap J Thorac Surg 25:723-6, Oct 72 (Eng. Abstr.) **(Jap)**

[Relation between the glucocorticoid activity of the adrenals, cardiovascular system and electrolyte metabolism during prolonged work] Viru AA, et al.
Fiziol Zh SSSR 59:105-10, Jan 73 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al.
Neurology (Minneap) 23:63-8, Jan 73

DIAGNOSTIC USE

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73

ISOLATION & PURIFICATION

High-pressure liquid chromatography of corticosteroids. Touchstone JC, et al.
J Chromatogr 76:244-7, 7 Feb 73

METABOLISM

Biosynthesis of 11 -hydroxyandrostenedione hy human and bahoon adrenals. Axelrod LR, et al. Acta Endocrinol (Kbh) 72:545-50, Mar 73

C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metaholism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and ahsence of ACTH in vitro. Ducharme JR, et al. Acta Endocrinol (Kbh) 72:63-74, Jan 73

Studies on some parameters of adrenocortical function. Lindholm J. Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973

Effects of phenylbutazone on the metaholism of C14-cortisol. Downie WW, et al. Ann Rheum Dis 32:89-90, Jan 73

Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al. Biochem Biophys Res Commun 50:71-9, 4 Jan 73

Partial purification of cortisol-hinding protein from rat liver cytosol and its role in transcription. Gopalakrishnan TV, et al. Biochim Biophys Acta 287:164-86, 16 Nov 72

Glucocorticoid receptors in rat kidney: the hinding of tritiated-dexamethasone. Funder JW, et al. Endocrinology 92:1005-13, Apr 73

The action of glucocorticoids on glutamic acid metaholism. Cherkasova LS, et al. Endokrinologie 60:273-8, 1972

Effects of corticosteroids on liver transaminases in two salmonids, the rainhow trout (Salmo gairdnerii) and the hrook trout (Salvelinus fontinalis). Freeman HC, et al. Gen Comp Endocrinol 20:69-75, Feh 73

Binding of 3 H-cortisol to cytosol and nuclear proteins in liver and thymus of pigs. Stith RD, et al. Gen Comp Endocrinol 19:386-91, Dec 72

Multiple steroid hormone receptors in calf uterus. Binding specificities and distrihution. Wagner RK, et al. Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72

Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al. J Biol Chem 248:478-83, 25 Jan 73

Cytochalasin B: effect on hormone-mediated responses in cultured cells. Butcher FR, et al. J Cell Biol 56:857-61, Mar 73

The distrihution of cortisol and its rate of turnover in normal and cold-stressed shorn sheep. Panaretto BA, et al. J Endocrinol 55:519-31, Dec 72

Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al. Neurology (Minneap) 23:63-8, Jan 73

The renal excretion of cortisol. Lindholm J. Scand J Clin Lab Invest 31:115-8, Jan 73

Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al. Scand J Clin Lab Invest 31:119-22, Jan 73

[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al. Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Percutaneous absorption studies using corticoids] Garn W. Arch Dermatol Forsch 244:546-8, 1972 (Ger)

[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardt G. Arch Dermatol Forsch 244:495-9, 1972 (Ger)

[Exogenic cortisol and cortisone metabolism during the time of non-stress and surgical stress] Funyu T, et al. Clin Endocrinol (Tokyo) 20:731-7, Sep 72 (Jap)

[Changes in the fraction of urinary free 17-OHCS during surgical stress] Funyu T, et al. Folia Endocrinol Jap 48:432-42, 20 Sep 72 (Eng. Abstr.) (Jap)

[Relation hetween the glucocorticoid activity of the adrenals, cardiovascular system and electrolyte metaholism during prolonged work] Viru AA, et al. Fiziol Zh SSSR 59:105-10, Jan 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Na transport and Na-K-ATPase in gills during adaptation to seawater: effects of cortisol. Forrest JN Jr, et al. Am J Physiol 224:709-13, Mar 73

Cortisol-induced changes in U.V. ahsorption spectra of isolated nuclei from rat liver and thymus. Chakrabarti B, et al. Biochem Biophys Res Commun 50:164-71, 4 Jan 73

The role of hypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Parvez H, et al. Biochem Biophys Res Commun 50:901-7, 5 Feb 73

Role of nucleoside transport in glucocorticoid-induced regression of mouse lymphoma P1798. Stevens J, et al. Biochem Biophys Res Commun 50:799-806, 5 Feh 73

Liver phenylalanine hydroxylase activity in relation to hlood concentrations of tyrosine and phenylalanine in the rat. McGee MM, et al. Biochem J 127:675-80, May 72

The quantitative determination of phenylalanine hydroxylase in rat tissues. Its developmental formation in liver. McGee MM, et al. Biochem J 127:669-74, May 72

Temporal aspects of glucose metaholism in the rat at hirth. Snell K, et al. Biochem J 130:6P-7P, Nov 72

Biochemistry of the effects of asiaticoside on human polymorphonuclear leukocytes. Karan A, et al. Biochem Pharmacol 21:2773-8, 15 Oct 72

Ornithine decarhoxylase activity and polyamine synthesis during kidney hypertrophy. Brandt JT, et al. Biochim Biophys Acta 279:184-93, 18 Aug 72

Spontaneous and induced transformation of human leukocytes in vitro. Chang RS, et al. Birth Defects 9:40-54, Jan 73

Studies on the mechanism of corticosteroid-induced lymphocytolysis. Turnell RW, et al. Cancer Res 33:203-12, Feh 73

The effect of cortisol on postemhryonic developmental changes in chick (Gallus domesticus) liver metaholism. Mangnall D, et al. Comp Biochem Physiol [B] 44:69-88, 15 Jan 73

The effect of hydrocortisone on exportahle enzyme accumulation in the differentiating chick pancreas. Cohen A, et al. Dev Biol 29:293-306, Nov 72

Hormonal effect on Na-K-ATPase activity in the gill of Japanese eel, Anguilla japonica, with special reference to seawater adaptation. Kamiya M. Endocrinol Jap 19:489-93, Oct 72

Stimulation of adrenal ornithine decarhoxylase hy adrenocorticotropin and growth hormone. Levine JH, et al. Endocrinology 92:1089-95, Apr 73

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Taillán F, et al. Endokrinologie 60:279-84, 1972

Some hiochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. Exp Cell Res 77:111-20, 15 Mar 73

Effects of corticosteroids on liver transaminases in two salmonids, the rainhow trout (Salmo gairdnerii) and the hrook trout (Salvelinus fontinalis). Freeman HC, et al. Gen Comp Endocrinol 20:69-75, Feh 73

Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells. Szego CM. Gynecol Invest 3:63-95, 1972

Effect of alloxan diabetes, insulin & diabetogenic hormones on intestinal transport of tyrosine in rats. Mahmood A, et al. Indian J Exp Biol 10:237-9, May 72

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. J Biol Chem 248:1004-10, 10 Feh 73

A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments. Morris ML, et al. J Biol Chem 248:1459-65, 25 Feh 73

Concerning the necessary coupling of development to proliferation of mouse mammary epithelial cells. Owens IS, et al. J Biol Chem 248:472-7, 25 Jan 73

An early effect of prolactin on the formation of -lactalhumin by mouse mammary epithelial cells. Vonderhaar BK, et al. J Biol Chem 248:467-71, 25 Jan 73

Effects of cortisol on cultured rat heart cells: lipase activity, fatty acid oxidation, glycogen metaholism, and ATP levels as related to the beating phenomenon. Anastasia JV, et al. J Cell Biol 57:109-16, Apr 73

Cytochalasin B: effect on hormone-mediated responses in cultured cells. Butcher FR, et al. J Cell Biol 56:857-61, Mar 73

The effect of glucocorticosteroids on the proliferation and kinetics of promonocytes and monocytes of the hone marrow. Thompson J, et al. J Exp Med 137:10-21, 1 Jan 73

Differentiated functions expressed hy cultured mouse lymphoma cells. II. Theta antigen, surface immunoglohulin and a receptor for antibody on cells of a thymoma cell line. Harris AW, et al. J Immunol 110:431-8, Feh 73

Site of action of cortisol in cellular immunity. Weston WL, et al. J Immunol 110:880-3, Mar 73

Differential suppressive effect of hydrocortisone on lymphocytes and mononuclear macrophages in

delayed hypersensitivity of guinea pigs. Weston WL, et al. J Invest Dermatol 59:345-8, Oct 72
Relation between adrenal cortex and hepatic protein synthesis in protein-calorie-deficient rats. Enwonwu CO, et al. J Nutr 103:290-301, Feb 73
The patterns of RNA synthesis and induction of glycogenic enzymes in rat liver under continuous cortisol administration. Salganik RI, et al. J Steroid Biochem 3:791-7, Sep 72
Mechanism of action of cortisol on glucose metabolism by adipose tissue. Kawai A, et al. Metabolism 22:503-6, Mar 73
On the relationship between leucocyte osmotic resistant and phagocytic activity. Fiala J. Physiol Bohemoslov 21:41-4, 1972
Hydrocortisone as a possible inductor of Na + -K + -ATPase in the chick embryo cerebral hemispheres. Effect of metopirone. Šťastný F. Physiol Bohemoslov 21:479-84, 1972
Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73
The requirement of cortisol for the inhibitory effect of norepinephrine on the antidiuretic action of vasopressin. Levi J, et al. Proc Soc Exp Biol Med 142:687-90, Feb 73
Studies on the absorption of halogenated hydrocarbons and their excretion in breath using 38 Cl tracer techniques. Alleyne GA. Prog Biochem Pharmacol 7:189-218, 1972 (157 ref.)
Cerebral phospholipid metabolism in relation to age and species. Hormonal influences. Ardeleanu A, et al. Rev Roum Physiol 10:67-73, 1973
Modulation of the H-2 antigenicity on the surface of murine peritoneal cells. Schlesinger M, et al. Tissue Antigens 2:427-35, 1972
T-cell mediated immunity in vitro: an analysis of antigen recognition and target cell lysis. Feldman M, et al. Transplant Rev 12:57-90, 1972 (60 ref.)
[Appearance of biliary canalicules in the rat fetal liver in cell cultures treated with glucocorticoids] Lambiotte M, et al. C R Acad Sci [D] (Paris) 275:2539-42, 27 Nov 72 (Fre)
[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kubota Y, et al. J Pharm Soc Jap 92:871-3, Jul 72 (Eng. Abstr.) (Jap)
[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)
[The effect of pyrogenal, methyluracil, oxymethacil and their combinations on the absorptive capacity of the reticuloendothelial system against a background of levomycetin and hydrocortisone administration] Davydova VA. Antibiotiki 17:820-3, Sep 72 (Eng. Abstr.) (Rus)
[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al. Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)
[The role of adrenal cortex hormones in the inhibiting action of imipramine-like antidepressants on the tryptophan pyrrolase activity of the rat liver] Samsonova ML. Farmakol Toksikol 35:629-32, Sep-Oct 72 (Eng. Abstr.) (Rus)
[Effect of hydrocortisone and insulin on tissue enzymes in conditions of hypothyreosis] Stroev EA, et al. Farmakol Toksikol 36:89-92, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Tissue adenosine triphosphatase activity of different sections of rat and rabbit brain in normal conditions and with administration of hydrocortisone] Sidorchuk NB, et al. Fiziol Zh SSSR 59:33-8, Jan 73 (Eng. Abstr.) (Rus)
[The effect of adrenaline, inderal and hydrocortisone on the incorporation of 1-C 14 acetate into the fatty acids of human blood] Kheidemanis KK, et al. Probl Endokrinol (Mosk) 18:43-5, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Content of proteins and their reactive groups in muscles of rabbits following hydrocortisone administration] Mestechkina AIa, et al. Fiziol Zh 19:74-9, 1973 (Ukr)
[The effect of hydrocortisone on the distribution and content of riboflavin in animal tissues] Kuznetsova LM, et al. Ukr Biokhim Zh 44:500-3, 1972 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

Does the human fetal adrenal play a role in parturition? Murphy BE. Am J Obstet Gynecol 115:521-5, 15 Feb 73
[Collagenolytic activity in healthy and experimentally damaged rat bone] Prokopová D. Beitr Rheumatol 18:158-62, 1972 (Ger)

SECRETION

Studies on some parameters of adrenocortical function. Lindholm J. Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973
Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al. Aerosp Med 44:1-4, Jan 73
Circadian patterns of urine 17-OHC and VMA excretion during sleep deprivation. Poland RE, et al. Dis Nerv Syst 33:456-8, Jul 72
Angiotensin. II. Important role in the maintenance of arterial blood pressure. Johnson JA, et al. Science 179:906-7, 2 Mar 73
[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)
[Kinetic study of blood cortisol during coma: changes in the circadian rhythm] Bertrand A, et al. Sem Hop Paris 48:2935-41, 8 Nov 72 (Eng. Abstr.) (Fre)
[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B. Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)
[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al. Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

STANDARDS

Errors discovered in a manufacturing program. Das Gupta V. Am J Hosp Pharm 30:112, Feb 73

THERAPEUTIC USE

Blast injuries to the lungs. A report of two cases. McCaughey W, et al. Anaesthesia 28:2-9, Jan 73
Acute poisoning by higher nitrogen oxides. Malatinský J, et al. Anesth Analg (Cleve) 52:94-9, Jan-Feb 73 (32 ref.)
Steroids in treatment of pertussis. A controlled clinical trial. Zoumboulakis D, et al. Arch Dis Child 48:51-4, Jan 73
Brucellosis in veterinarians. Hughes KL. Aust Vet J 48:527-8, Sep 72
Perioral dermatitis. Sneddon I. Br J Dermatol 87:430-4, Nov 72
Sodium curcuminate as an effective anti-inflammatory agent. Ghatak N, et al. Indian J Exp Biol 10:235-6, May 72
Experimental spondylosis in rabbits as a local response to herniation of autogenous nucleus pulposus. Kagan N, et al. Isr J Med Sci 8:1987-92, Dec 72
Pseudomonas arthritis and osteomyelitis. Grieco MH. J Bone Joint Surg [Am] 54:1693-704, Dec 72
Reduction of experimental myocardial infarct size by corticosteroid administration. Libby P, et al. J Clin Invest 52:599-607, Mar 73
Studies on dengue hemorrhagic fever. Clinical study: an evaluation of steroids as a treatment. Pongpanich B, et al. J Med Assoc Thai 56:6-14, Jan 73
Thrombophlebitis with diazepam used intravenously. Langdon DE, et al. JAMA 223:184-5, 8 Jan 73
Psychiatric aspects of Addison's disease: report of a case. Thompson WF. Med Ann DC 42:62-4, Feb 73
The surgical treatment of the arthritic temporomandibular joint. Silver CM, et al. Surg Gynecol Obstet 136:251-6, Feb 73
Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement. Newsome HH Jr, et al. Surgery 73:429-33, Mar 73
Pulmonary effects of acute exposure to nitrous fumes. Jones GR, et al. Thorax 28:61-5, Jan 73
[Our experiences concerning Tietze's syndrome] Rous J, et al. Vnitr Lek 19:156-64, Feb 73 (Eng. Abstr.) (Cze)
[Mendelson's syndrome (bronchial inhalation of gastric juice). Treatment with massive corticotherapy]

Détrie P, et al.
Chirurgie 98:606-10, 11 Oct 72 (Eng. Abstr.) (Fre)
[Cystathionuria and defective enzyme regulation] Laurent B, et al.
Clin Chim Acta 43:171-82, 24 Jan 73 (Eng. Abstr.) (Fre)
[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al.
Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)
[Calmurid HC ointment--a new principle in the treatment chronic traumiterative hand eczema] Hersie K, et al.
Z Haut Geschlechtskr 47:571-3, 1 Jul 72 (Ger)
[Hydrocortisone treatment of lesions of the symphysis pubis associated with pregnancy and labor] Giliński S.
Pol Tyg Lek 28:59-61, 8 Jan 73 (Eng. Abstr.) (Pol)
[Severe infectious hepatitis complicated by acute psychosis in the course of hydrocortisone treatment] Danecka U, et al.
Wiad Lek 26:61-4, 1 Jan 73 (Eng. Abstr.) (Pol)
[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)
[Characteristics of the action of adreno- and cholinomimetics in sensitization and anaphylaxis] Kuchushev EKh.
Farmakol Toksikol 35:661-2, Nov-Dec 72 (Eng. Abstr.) (Rus)
[The role of thyroid hormones in inducing the effects of hydrocortisone and insulin] Stroev EA, et al.
Farmakol Toksikol 35:744-6, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Use of oxyzone and geoxyzone in the therapy of various dermatoses] Vinokurov IN, et al.
Vestn Dermatol Venerol 46:86-7, Oct 72 (Rus)

URINE

Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of Cushing's syndrome. Croughs RJ, et al.
Acta Endocrinol (Kbh) 72:54-62, Jan 73
Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973
Abnormal excretion of corticosteroid sulphates in patients with breast cancer. Ghosh PC, et al.
Br Med J 1:328-30, 10 Feb 73
Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al.
J Chromatogr Sci 11:76-82, Feb 73
Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood. Franks RC.
J Clin Endocrinol Metab 36:702-5, Apr 73
Urinary steroid levels in newborn infants with intrauterine growth retardation. Reynolds JW, et al.
J Clin Endocrinol Metab 36:576-81, Mar 73
Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73
The renal excretion of cortisol. Lindholm J.
Scand J Clin Lab Invest 31:115-8, Jan 73
Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73
[Influence of ACTH and metopirone on the excretion of cortisol metabolites in endogenous depression during thioridazine administration] Stančáková A, et al. Endokrinologie 60:205-17, 1972 (Eng. Abstr.) (Ger)
[Metabolism of glucocorticoids in Macaca rhesus] Vorontsev VI, et al.
Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 (Eng. Abstr.) (Rus)

HYDROCORTISONE, TOPICAL

[Comparative study of treatment of kraurosis vulvae (lichen scleroatrophicus vulvae) with ultrasound, hydrocortisone ointment and phonophoresis with hydrocortisone ointment] Burgudzhieva T.
Akush Ginekol (Sofiia) 11:246-51, 1972 (Eng. Abstr.) (Bul)

ADVERSE EFFECTS

[Topical administration of corticosteroids and their adverse effects] Gschwandtner WR.
Wien Klin Wochenschr 85:49-54, 26 Jan 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

A method for the assay of topical corticosteroids. Marks R, et al. Br J Dermatol 88:69-74, Jan 73
Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. Southb Med J 66:325-9, Mar 73

THERAPEUTIC USE

A clinical trial with hydrocortisone butyrate cream in eczema. Polano MK, et al. Br J Dermatol 88:83-5, Jan 73
Prolonged release medication in the treatment of eye disease. Lerman S. Isr J Med Sci 8:1402-5, Aug-Sep 72
An allergic skin reaction to a new formulation of the molluscicide clonitralide (Bayluscide). Cook JA, et al.
Trans R Soc Trop Med Hyg 66:954-5, 1972
[Methods of clinical trial of a local corticoid] Craps L, et al.
Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Eng. Abstr.) (Fre)
[Experiments and clinical studies with Ftorocort ointment] Vánkos J.
Orv Hetil 113:2952-4, 3 Dec 72 (Hun)
[Some aspects of treatment and prevention of occupational allergic dermatoses] Skripkin IuK, et al.
Vestn Dermatol Venerol 46:40-3, Dec 72 (Eng. Abstr.) (Rus)

17-HYDROXYCORTICOSTEROIDS

BLOOD

Failure of suppression of nocturnal growth hormone rise by acute corticosteroid administration. Krieger DT, et al. Horm Metab Res 4:463-6, Nov 72
Central -adrenergic regulation of growth hormone and insulin. Toivola PT, et al. Hormones 3:192-213, 1972
[Functional state of the neuroendocrine and sympathicoadrenal systems during labor] Timoshenko LV, et al.
Akush Ginekol (Mosk) 48:36-9, Nov 72 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Watanabe H, et al. Steroids 21:123-32, Jan 73

ISOLATION & PURIFICATION

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73

METABOLISM

The effect of surgical trauma on the conjugation pattern of 17-hydroxycorticosteroids. Wise L, et al.
Surgery 73:163-7, Feb 73
[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E.
Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

[Study of the paradoxical action of estrogens on the Wolffian ducts of female rat fetuses, using an anti-androgen, cyproterone acetate] Stinnakre MG.
C R Acad Sci [D] (Paris) 275:101-3, 3 Jul 72 (Fre)

URINE

Human endocrine-metabolic responses to graded oxygen pressures. Hale HB, et al.
Aerosp Med 44:33-6, Jan 73
Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73
The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73
External irradiation of the hypophysis for Cushing's

disease. Edmonds MW, et al.
Can Med Assoc J 107:860-2, 4 Nov 72
Circadian patterns of urine 17-OHC and VMA excretion during sleep deprivation. Poland RE, et al.
Dis Nerv Syst 33:456-8, Jul 72
Corticoadrenal and adrenergic overactivity and hyperlipidemia in prolonged emotional stress. Argüelles AE, et al. Hormones 3:167-74, 1972
Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al.
J Clin Endocrinol Metab 36:445-51, Mar 73
Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. J Clin Endocrinol Metab 36:482-7, Mar 73
Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood. Franks RC.
J Clin Endocrinol Metab 36:702-5, Apr 73
Congenital lipoid adrenal hyperplasia in an eight-year-old phenotypic female. Kirkland RT, et al.
J Clin Endocrinol Metab 36:488-96, Mar 73
Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takehe K.
J Clin Endocrinol Metab 36:433-8, Mar 73
Studies on the adrenocortical hormone therapy in idiopathic nephrotic syndrome in children. Maki S, et al. Med J Osaka Univ 22:259-300, Mar 72
The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. Medicine (Baltimore) 52:73-92, Jan 73
Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. Neurology (Minneap) 22:1257-67, Dec 72
The gynecologic aspects of adrenal tumors. Zourlas PA, et al. Obstet Gynecol 41:234-8, Feb 73
Biomagnetic stressor effects in primates. Friedman H, et al. Physiol Behav 9:171-3, Aug 72
Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73
The effect of surgical trauma on the conjugation pattern of 17-hydroxycorticosteroids. Wise L, et al.
Surgery 73:163-7, Feb 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
[Hydrolysis of urinary metabolites of different steroid hormones by -glucuronidase from Escherichia coli] Dray J, et al.
Ann Inst Pasteur (Paris) 123:853-7, Dec 72 (Eng. Abstr.) (Fre)
[Topical administration of corticosteroids and their adverse effects] Gschwandtner WR.
Wien Klin Wochenschr 85:49-54, 26 Jan 73 (Eng. Abstr.) (Ger)
[Exogenic cortisol and cortisone metabolism during the time of non-stress and surgical stress] Funyu T, et al. Clin Endocrinol (Tokyo) 20:731-7, Sep 72 (Jap)
[Clinical study of the effect of xylitol on adrenal cortex function] Suzawa A.
Clin Endocrinol (Tokyo) 20:1091-9, Dec 72 (Jap)
[Changes in the fraction of urinary free 17-OHCS during surgical stress] Funyu T, et al.
Folia Endocrinol Jap 48:432-42, 20 Sep 72 (Eng. Abstr.) (Jap)
[Continuous flow system for the determination of urinary 17-hydroxycorticosteroids (Porter-Silber chromogens) by autoanalyzer] Endo J.
Jap J Clin Pathol 20:461-8, Jul 72 (Jap)
[Effect of glucagon on serum cholesterol and urinary excretion of 17-hydroxycorticosteroids] Jabłońska A.
Pol Tyg Lek 28:203-5, 5 Feb 73 (Eng. Abstr.) (Pol)
[Functional changes of the thyroid and adrenal glands in the course of immunological reactions] Mârza L, et al. Stud Cercet Endocrinol 24:95-103, 1973 (Rum)
[Relation between the glucocorticoid activity of the adrenals, cardiovascular system and electrolyte metabolism during prolonged work] Viru AA, et al.
Fiziol Zh SSSR 59:105-10, Jan 73 (Eng. Abstr.) (Rus)
[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

HYDROXYCORTICOSTEROIDS

BLOOD

Pituitary response to hypoglycemia in pituitary diseases. Genazzani AR, et al.
Horm Metab Res 4:470-7, Nov 72

CHEMICAL SYNTHESIS

Synthesis of corticosteroids from marine sources. Gurst JE, et al. J Am Chem Soc 95:628-9, 24 Jan 73

PHARMACODYNAMICS

Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al.
Horm Metab Res 4:433-8, Nov 72

SECRETION

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972

THERAPEUTIC USE

Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al.
Horm Metab Res 4:433-8, Nov 72

URINE

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73
18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972
[Metopirone test in menstruation disorders] Stojanov S. Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)

17-KETOSTEROIDS

Heterogeneity of alcohol dehydrogenase from human liver. Pietruszko R, et al.
Arch Biochem Biophys 153:279-93, Nov 72
Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. Eur J Biochem 31:464-9, 18 Dec 72

ANALYSIS

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al.
Andrologie 4:75-83, 1972
The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73
A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al.
Acta Endocrinol (Kbh) 72:604-14, Mar 73

BIOSYNTHESIS

Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals. Axelrod LR, et al.
Acta Endocrinol (Khh) 72:545-50, Mar 73
In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72

BLOOD

Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al.
Am J Obstet Gynecol 115:478-83, 15 Feb 73

CHEMICAL SYNTHESIS

Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Watanabe H, et al. Steroids 21:123-32, Jan 73

ISOLATION & PURIFICATION

Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Watanabe H, et al. Steroids 21:123-32, Jan 73

METABOLISM

Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals. Axelrod LR, et al.
Acta Endocrinol (Kbh) 72:545-50, Mar 73

Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses. Heys RF, et al.
Acta Endocrinol (Kbh) 72:156-60, Jan 73

Estrogen formation in the brain. Ryan KJ, et al.
Am J Obstet Gynecol 114:454-60, 15 Oct 72

Inhibition studies on the aromatization of androst-4-ene-3,17-dione by human placental microsomal preparations. Chakraborty J, et al.
Biochem J 130:19P-20P, Nov 72

Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid hormones, sterols and bile acids in rats. Einarsson K, et al. Eur J Biochem 32:197-206, 15 Jan 73

Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al.
Eur J Biochem 31:345-53, 4 Dec 72

Studies on the metabolism of steroids in the foetus. Metabolism of 4-androstene-3,17-dione by human foetal-liver microsomes. Lishoa BP, et al.
Eur J Biochem 31:378-85, 4 Dec 72

Isotope effects in enzymatic hydroxylation of steroids. Kim I, et al. J Biol Chem 248:2134-9, 25 Mar 73

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72

Oestrogens in the pregnant guinea-pig. Challis JR, et al.
J Reprod Fertil 31:504-5, Dec 72

Metabolism of 1-dehydroandrostanes in man. II-Metabolism of 5 beta-androst-1-enes. Galletti F, et al. J Steroid Biochem 3:831-5, Sep 72

The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E.
Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)

[The allergenic properties of chlorella] Pukhova IaI, et al.
Kosm Biol Med 6:23-8, Jan-Feb 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS.
Endocrinology 92:1043-50, Apr 73

Inhibition of glucose-6-phosphate dehydrogenase by steroids. Benes P, et al.
J Steroid Biochem 3:799-801, Sep 72

[Effect of sterolic androgens on Müllerian ducts of chick embryos] Stoll R, et al.
C R Soc Biol (Paris) 166:858-61, 1972 (Fre)

SECRETION

Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses. Heys RF, et al.
Acta Endocrinol (Kbh) 72:156-60, Jan 73

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al.
Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Kbh) 72:182-90, Jan 73

Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses. Heys RF, et al.
Acta Endocrinol (Kbh) 72:156-60, Jan 73

Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al.
Acta Endocrinol (Kbh) 72:191-6, Jan 73

The excretion of C-16 oxygenated neutral steroid sulphates and dehydroepiandrosterone sulphate in normal pregnancy, and a comparison with their excretion by endocrinologically normal subjects of both sexes. Seth J, et al.
Acta Endocrinol (Kbh) 72:587-603, Mar 73

Studies on some parameters of adrenocortical function. Lindholm J.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al.
Am J Med 54:229-33, Feb 73

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al.
Andrologie 4:69-74, 1972

Effect of long-term exposure to low levels of toxic substances on urinary excretion of 17-oxogenic steroids and 17-oxosteroids. Wink A.
Ann Occup Hyg 15:211-7, Nov 72

Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al.
Can J Biochem 50:1273-81, Dec 72

Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Apter C, et al.
Clin Chim Acta 42:115-8, Nov 72

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al.
Clin Genet 3:490-4, 1972

Corticoadrenal and adrenergic overactivity and hyperlipidemia in prolonged emotional stress. Argüelles AE, et al. Hormones 3:167-74, 1972

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. Hormones 3:105-18, 1972

Growth hormone levels in slipped capital femoral epiphysis. Razzano CD, et al.
J Bone Joint Surg [Am] 54:1224-6, Sep 72

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. J Clin Endocrinol Metab 36:482-7, Mar 73

A kindred with familial glucocorticoid suppressible aldosteronism. Glenink GS, et al.
J Clin Endocrinol Metab 36:715-23, Apr 73

Congenital lipoid adrenal hyperplasia in an eight-year-old phenotypic female. Kirkland RT, et al.
J Clin Endocrinol Metab 36:488-96, Mar 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

Experience in the treatment of prostatic carcinoma with cyproterone acetate. Wein AJ, et al.
J Urol 109:68-70, Jan 73

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. Neurology (Minneap) 22:1257-67, Dec 72

The gynecologic aspects of adrenal tumors. Zourlas PA, et al. Obstet Gynecol 41:234-8, Feb 73

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al.
Q J Med 42:175-204, Jan 73

The effect of surgical trauma on the conjugation pattern of 17-hydroxycorticosteroids. Wise L, et al.
Surgery 73:163-7, Feb 73

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
Trans Am Assoc Genitourin Surg 64:90-3, 1972

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Study of the influence of noise and vibrations on the behavior of catecholamines in industrial vibratory acoustic stress] Anitesco C, et al.
Arch Mal Prof 33:365-72, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Topical administration of corticosteroids and their adverse effects] Gschwandtner WR.
Wien Klin Wochenschr 85:49-54, 26 Jan 73 (Eng. Abstr.) (Ger)
[Problems of diet therapy in bealtb resorts in asthenia] Rehoř J.
Z Ernaehrungswiss [Suppl] 13:94-8, 1972 (Eng. Ahstr.) (Ger)
[Metopirone test in menstruation disorders] Stojanov S. Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)
[Fluctuation of tbe urinary 17KS levels during the administration of dexamethasone and HCG in women witb normal menstrual cycles] Yoshida T, et al.
Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)
[Secondary amenorrhea in girls in the light of some bormonal studies] Komorowska A, et al.
Ginekol Pol 44:155-60, Feh 73 (Eng. Ahstr.) (Pol)
[Action of melatonin on cholesterol and 17-ketosteroids in rats] Damian E, et al.
Stud Cercet Endocrinol 24:105-8, 1973 (Rum)
[Functional changes of tbe tbyroid and adrenal glands in tbe course of immunological reactions] Mârza L, et al. Stud Cercet Endocrinol 24:95-103, 1973 (Rum)
[The quantity of circulating peripheral blood eosinophils and the Tborn test in strokes] Davidovich SIa.
Klin Med (Mosk) 50:36-8, Sep 72 (Eng. Abstr.) (Rus)
[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Functional state of some endocrine glands in spinal and endocrine impotence in various age groups] Spasokukots'kiĭ IuO, et al.
Fiziol Zh 19:69-73, 1973 (Eng. Abstr.) (Ukr)

KETOSTEROIDS

Microsomal enzymes of sterol biosynthesis. Gaylor JL.
Adv Lipid Res 10:89-141, 1972 (118 ref.)
Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Lederman Y, et al.
Anal Biochem 51:193-203, Jan 73
Laryngeal competence with ketamine and otber drugs. Carson IW, et al. Anesthesiology 38:128-33, Feh 73
Structural features of ring B and tbe interaction of 20-oxosteroids witb cortisone reductase. White IH, et al. Biochim Biophys Acta 296:604-14, 8 Mar 73
Stability to freezing of steroid binding proteins in fish plasma. Idler DR, et al.
Comp Biochem Physiol [B] 44:179-83, 15 Jan 73
Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. Eur J Biochem 31:464-9, 18 Dec 72
Isotope effects in enzymatic hydroxylation of steroids. Kim I, et al. J Biol Chem 248:2134-9, 25 Mar 73
Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization. Milgrom E, et al. J Biol Chem 248:1106-14, 10 Feb 73
Progress in buman fertility control: the coital use of progestagens. Zañartu J, et al.
J Reprod Fertil 32:279-81, Feb 73
Characterization of the products from tbe oxidation of progesterone witb osmium tetroxide. Tait AD.
Steroids 20:531-42, Nov 72
[Clinical studies of a new steroid anestbetic, CT-1341 (Altbesin-Glaxo). 1] Takahashi T, et al.
Jap J Anesthesiol 21:1232-9, Nov 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al.
Fertil Steril 23:712-4, Oct 72
Androgenic tberapy for advanced breast cancer in women. A report of tbe cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

ADVERSE EFFECTS

Androgenic therapy for advanced breast cancer in women. A report of tbe cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73
[Effects of anaestbetics on myocardial contractility] Beer R, et al.
Munch Med Wochenschr 115:281-9, 23 Feh 73 (32 ref.) (Eng. Ahstr.) (Ger)

ANALYSIS

A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73
[Formyldienolone] Cornet F, et al.
Boll Chim Farm 111:645-8, Nov 72 (Ita)

BIOSYNTHESIS

Testosterone metabolism hy rodent submaxillary glands in relation to their sexual dimorphism. Baldi A, et al. Acta Physiol Lat Am 22:129-34, 1972
Microbial dehydrogenation of tomatidine. Bellč I, et al.
J Steroid Biochem 3:843-6, Sep 72

BLOOD

Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feh 73
Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72

CHEMICAL SYNTHESIS

Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Lederman Y, et al.
Anal Biochem 51:193-203, Jan 73
Experiments towards a synthesis of antheridiol: a synthesis of biologically active material. Smith GA, et al. J Chem Soc [Perkin I] 22:2811-6, 1972
Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). Rasmusson GH, et al.
J Med Chem 15:1165-8, Nov 72
Characterization of the products from the oxidation of progesterone with osmium tetroxide. Tait AD.
Steroids 20:531-42, Nov 72

METABOLISM

Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid hormones, sterols and bile acids in rats. Einarsson K, et al. Eur J Biochem 32:197-206, 15 Jan 73
Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al.
Eur J Biochem 31:345-53, 4 Dec 72
Studies on the metabolism of steroids in the foetus. Metabolism of 4-androstene-3,17-dione hy buman foetal-liver microsomes. Lisboa BP, et al.
Eur J Biochem 31:378-85, 4 Dec 72
Microbiological bydroxylation of steroids. VI. Hydroxylation of simple mono- and di-oxygenated 5 -androstanes and of 3-oxoestranes with the fungus Aspergillus ochraceus. Bell AM, et al.
J Chem Soc [Perkin I] 23:2930-6, 1972
Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73
Metabolism of 1-dehydroandrostanes in man. II-Metabolism of 5 beta-androst-1-enes. Galletti F, et al. J Steroid Biochem 3:831-5, Sep 72
The effect of adenosine 3',5'-cyclic-monopbosphoric acid on tbe 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72
The microbiological hydroxylation of steroids and related compounds. Jones ER.
Pure Appl Chem 33:39-52, 1973
[Determination of the characteristics of an inductor necessary for its interaction with a repressor in Pseudomonas testosteroni] Micbel-Briand Y, et al.
C R Soc Biol (Paris) 166:565-72, 1972 (Fre)

PHARMACODYNAMICS

The influence of high doses of mesterolone on tbe spermiogram. Schellen TM, et al.
Fertil Steril 23:712-4, Oct 72
Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). Rasmusson GH, et al.
J Med Chem 15:1165-8, Nov 72
Inhibition of glucose-6-phosphate dehydrogenase by steroids. Benes P, et al.
J Steroid Biochem 3:799-801, Sep 72

[Study of the paradoxical action of estrogens on the Wolffian ducts of female rat fetuses, using an anti-androgen, cyproterone acetate] Stinnakre MG. **C R Acad Sci [D] (Paris) 275:101-3, 3 Jul 72 (Fre)**

SECRETION

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

THERAPEUTIC USE

The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al. **Fertil Steril 23:712-4, Oct 72**

Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al. **JAMA 223:1267-8, 12 Mar 73**

[Methods of clinical trial of a local corticoid] Craps L, et al. **Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Eng. Abstr.) (Fre)**

URINE

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al. **Biochem Med 7:1-13, Feb 73**

Adrenocortical function in persons occupationally exposed to pesticides. Morgan DP, et al. **J Occup Med 15:26-8, Jan 73**

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

METHYLPREDNISOLONE

Cost of drugs. Grant IW. **Br Med J 1:416, 17 Feb 73**

ADMINISTRATION & DOSAGE

The effects of massive doses of methylprednisolone on myocardial contractility and peripheral vascular resistance. Tecklenberg PL, et al. **Am Heart J 85:216-26, Feb 73**

Intraarticular triamcinolone hexacetonide: double-blind comparison with methylprednisolone. Bain LS, et al. **Br J Clin Pract 26:559-61, Dec 72**

High-dosage intravenously administered methylprednisolone in renal transplantation. A preliminary report. Woods JE, et al. **JAMA 223:896-9, 19 Feb 73**

Aerosol beclomethasone dipropionate in chronic bronchial asthma. Gaddie J, et al. **Lancet 1:691-3, 31 Mar 73**

Depot corticosteroid preparations in hay fever. Melotte G. **Practitioner 210:282-5, Feb 73**

ADVERSE EFFECTS

Unusual features of scabies associated with topical fluorinated steroids. Macmillan AL. **Br J Dermatol 87:496-7, Nov 72**

High-dosage intravenously administered methylprednisolone in renal transplantation. A preliminary report. Woods JE, et al. **JAMA 223:896-9, 19 Feb 73**

[Long-term corticoid therapy in dermatology] Weitgasser H. **Arch Dermatol Forsch 244:403-5, 1972 (Ger)**

PHARMACODYNAMICS

The effects of massive doses of methylprednisolone on myocardial contractility and peripheral vascular resistance. Tecklenberg PL, et al. **Am Heart J 85:216-26, Feb 73**

Pancreatic hydrolases and the formation of a myocardial depressant factor in shock. Lefer AM, et al. **Am J Physiol 223:1103-9, Nov 72**

Effects of steroid pretreatment on development of shock lung. Hemodynamic, respiratory, and morphologic studies. Pingleton WW, et al. **Lab Invest 27:445-56, Nov 72**

What's new in surgery. Urology. Cockett AT. **Surg Gynecol Obstet 136:219-20, Feb 73**

[Review of recent reports on the pathology of articular cartilage. 3. Repair. Influence of pressure. Role of hormones. Experimental study. Aging] Peyron JG. **Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Abstr.) (Fre)**

THERAPEUTIC USE

Pulmonary insufficiency after nonthoracic trauma: shock lung. Bergofsky EH. **Am J Med Sci 264:92-101, Aug 72 (33 ref.)**

Complications following epidural "blood patch" for postlumbar-puncture headache. **Anesth Analg (Cleve) 52:67-72, Jan-Feb 73**

Herpes zoster ophthalmicus treated with cytarabine. Pierce LE, et al. **Arch Ophthalmol 89:21-4, Jan 73**

Treatment of status asthmaticus. Järvinen KA. **Br Med J 1:355, 10 Feb 73**

Interstitial viral pneumonitis complicated by severe respiratory failure. Successful management using intensive dehydration and steroids. O'Brien TG, et al. **Chest 63:314-22, Mar 73**

Stylohyoid syndrome. Shenoi PM. **J Laryngol Otol 86:1203-11, Dec 72**

Fine-needle aspiration biopsy in the diagnosis of human renal allograft rejection. Pasternack A, et al. **J Urol 109:167-72, Feb 73**

Remission of leukemia associated with polycythemia vera. Perlin E, et al. **JAMA 223:192, 8 Jan 73**

Depot corticosteroid preparations in hay fever. Melotte G. **Practitioner 210:282-5, Feb 73**

Current studies in surgical shock. Irving M. **Proc R Soc Med 65:1116-8, Dec 72 (22 ref.)**

Treatment of hypercalcemia with furosemide and corticosteroids. Latos DL, et al. **W Va Med J 69:52-4, Mar 73**

[Long-term corticoid therapy in dermatology] Weitgasser H. **Arch Dermatol Forsch 244:403-5, 1972 (Ger)**

[Clinical evaluation of Depo-Medrol in acute backache syndromes] Makowski J, et al. **Pol Tyg Lek 28:261-3, 12 Feb 73 (Eng. Abstr.) (Pol)**

MINERALOCORTICOIDS

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

ANALYSIS

Studies on affinity chromatography of aldosterone-binding macromolecules. Ludens JH, et al. **J Steroid Biochem 3:193-200, Feb 72**

DIAGNOSTIC USE

Studies on renal function after relief of complete unilateral ureteral obstruction of three months' duration in man. Better OS, et al. **Am J Med 54:234-40, Feb 73**

METABOLISM

Glucocorticoid and mineralocorticoid receptors for aldosterone. Rousseau G, et al. **J Steroid Biochem 3:219-27, Feb 72**

[Mineralocorticoid syndrome] Wolff HP, et al. **Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)**

PHYSIOLOGY

Sodium appetite in adrenalectomized rats following dietary sodium deprivation. Jalowiec JE, et al. **J Comp Physiol Psychol 82:66-77, Jan 73**

[Adrenocortical hormones and arterioscierosis] Takeda R, et al. **Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)**

[Salivation in man under normal conditions and in disease] Netakhata ZhN, et al. **Klin Med (Mosk) 50:15-22, Sep 72 (Rus)**

SECRETION

Role of the adrenal cortex in hypertension. Liddle GW, et al. **South Med J 66:51-4, Jan 73**

[Mineralocorticoid syndrome] Wolff HP, et al. **Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)**

[Function of the adrenal cortex and metabolism of C-21 steroids in children with mucoviscidosis] Taboiin VA,

et al.
Vopr Okhr Materin Det 17:41-4, Sep 72 (Eng. Abstr.) (Rus)

PARAMETHASONE

ADVERSE EFFECTS

[Long-term corticoid therapy in dermatology] Weitgasser H.
Arch Dermatol Forsch 244:403-5, 1972 (Ger)

THERAPEUTIC USE

[Long-term corticoid therapy in dermatology] Weitgasser H.
Arch Dermatol Forsch 244:403-5, 1972 (Ger)

PREDNISOLONE

Cost of drugs. Grant IW. Br Med J 1:416, 17 Feb 73

ADMINISTRATION & DOSAGE

The treatment of blepharitis: a controlled double blind study of combination therapy. Aragones JV.
Ann Ophthalmol 5:49-52, Jan 73
Prolonged release medication in the treatment of eye disease. Lerman S. Isr J Med Sci 8:1402-5, Aug-Sep 72
The efficacy of local steroid injection in the treatment of stenosing tenovaginitis. Clark DD, et al.
Plast Reconstr Surg 51:179-80, Feb 73
Severe rejection of an HL-A identical sibling renal transplant. Dick HM, et al.
Tissue Antigens 2:345-51, 1972
[Corticosteroids preceeding blood transfusions?] Deicher H.
Dtsch Med Wochenschr 98:288, 9 Feb 73 (Ger)
[Quadruple combination chemotherapy of acute leukemia using daunomycin, cytosine arahinoside, 6-mercaptopurine rihoside and prednisolone] Hirano M, et al.
Jap J Clin Hematol 13:951-7, Dec 72 (Eng. Abstr.) (Jap)
[Combined treatment of patients with foot mycoses] Shabalin VF.
Vestn Dermatol Venerol 46:74-6, Nov 72 (Rus)

ADVERSE EFFECTS

Diphenylhydantoin for steroid-induced muscle weakness. Stern LZ, et al. JAMA 223:1287-8, 12 Mar 73
Acute pancreatitis in childhood. A study of 16 cases and review of the literature. Moossa AR.
Prog Pediatr Surg 4:111-27, 1972
[Aseptic bone necrosis following kidney transplantation] Kinnaert P, et al.
Acta Orthop Belg 38:602-10, Oct 72 (Fre)
[Malignant lymphoma following two years' of immunosuppressive therapy for periarteritis nodosa] Michlmayr G, et al.
Med Klin 68:180-2, 9 Feb 73 (Eng. Abstr.) (Ger)
[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS.
Kardiologiia 12:137-43, Oct 72 (154 ref.) (Rus)
[Characteristics of the postoperative period in patients with pulmonary tuberculosis treated with prednisolone] Bodarev VKh, et al.
Voen Med Zh 11:80-2, Nov 72 (Rus)

ANALYSIS

Spectrophotometric analysis of intravenous admixtures containing metaraminol and corticosteroids. Turner FE, et al.
Am J Hosp Pharm 30:128-33, Feb 73
A method for the estimation of some synthetic glucocorticosteroids in rat muscle. Simpson PM.
J Chromatogr 77:161-74, 14 Mar 73
[The use of immunospecific rosette formation inhibition in the comparative study of 2 prednisolone derivatives] Fekete B, et al.
Orv Hetil 114:310-1, 11 Feb 73 (Hun)

METABOLISM

[Metabolism of glucocorticoids--in relation to increased anti-inflammatory activity] Mishina Y.
Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 (Jap)

PHARMACODYNAMICS

Effects of fluorides, cortico-steroids and tetracyclines on extraction wound healing in rats. Hars E, et al.
Acta Odontol Scand 30:511-22, Nov 72
Acute effect of prednisolone on renal handling of sodium. Popovtzer MM, et al.
Am J Physiol 224:651-8, Mar 73
Clinical pharmacology of cyclophosphamide. Bagley CM Jr, et al. Cancer Res 33:226-33, Feb 73
Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. Exp Cell Res 77:111-20, 15 Mar 73
Growth inhibition of mouse lymphoma cells, L5178Y, in vitro, by glucocorticoids: alterations in choline metabolism. Story MT, et al.
Exp Cell Res 77:437-49, 15 Mar 73
Immunosuppressive therapy and liver regeneration. Chen WF, et al.
J Formosan Med Assoc 71:563-71, 28 Sep 72
Enzyme induction in human fetal liver. Kirby L, et al.
Pediatr Res 7:75-81, Feb 73
LDH-release in various experimental conditions as criterion for viability of the hypothermic perfused kidney. Grundmann R, et al.
Res Exp Med (Berl) 159:298-305, 1973
Biologic action of hetamethasone 17,21-dipropionate in rat and dog. Collins EJ, et al. Steroids 20:543-54, Nov 72
[Mechanical properties of the skin] Vogel HG.
Arch Dermatol Forsch 244:130-4, 1972 (Ger)
[Study on the effect of Trasylol. 1. Effect of Trasylol on migration and degranulation of neutrophilic granulocytes, comparison with prednisolone] Kifor E, et al. Biut 26:61-8, Jan 73 (Eng. Abstr.) (Ger)
[Induction of unresponsiveness to skin allo- and xenografts by administration of prednisolone and donor antigens] Lie TS, et al.
Wien Klin Wochenschr 85:55-9, 26 Jan 73 (Eng. Abstr.) (Ger)
[Bilirubin metabolism and actions of steroid hormones] Okuda K.
Jap J Clin Med 30:1855-8, Sep 72 (28 ref.) (Jap)

THERAPEUTIC USE

The treatment of blepharitis: a controlled double blind study of combination therapy. Aragones JV.
Ann Ophthalmol 5:49-52, Jan 73
A critical look at therapy for the brown recluse spider bite. Berger RS. Arch Dermatol 107:298, Feb 73
Wet snow. Schlaegel TF Jr.
Arch Ophthalmol 89:169-70, Feb 73
Pyoderma gangrenosum with altered cellular immunity and dermonecrotic factor. Delesclause J, et al.
Br J Dermatol 87:529-32, Dec 72
Optic disc vasculitis. Hayreh SS.
Br J Ophthalmol 56:652-70, Sep 72
Clinical pharmacology of cyclophosphamide. Bagley CM Jr, et al. Cancer Res 33:226-33, Feb 73
Aggravating and protecting effects of triton and corticosteroids in galactosamine-induced hepatitis. Grases PJ, et al.
GEN 27:77-89, Jul-Sep 72 (Eng. Abstr.) (Ger)
Edematous forms of nephritis in children and their treatment. Ussov J, et al. Indian Pediatr 9:406-7, Jul 72
Response to treatment with short term corticosteroids in nephrotic syndrome in children. Vaishnava S, et al.
Indian Pediatr 9:387-90, Jul 72
Prolonged release medication in the treatment of eye disease. Lerman S. Isr J Med Sci 8:1402-5, Aug-Sep 72
Granulomatous polymyositis. Lynch PG, et al.
J Neurol Sci 18:1-9, Jan 73
Diphenylhydantoin for steroid-induced muscle weakness. Stern LZ, et al. JAMA 223:1287-8, 12 Mar 73
Cricoarytenoid arthritis due to mumps. Bryer D, et al.
Laryngoscope 83:372-5, Mar 73
Granulomatous hepatitis and prolonged fever of unknown origin: a study of 13 patients. Simon HB, et al. Medicine (Baltimore) 52:1-21, Jan 73
Treatment of polymyositis with immunosuppressive drugs. Haas DC. Neurology (Minneap) 23:55-62, Jan 73
Recent progress in the treatment of childhood acute leukaemia. Willoughby ML.
Nouv Rev Fr Hematol 12:365-71, May-Jun 72
Crohn's disease with mouth involvement. Ellis JP.
Proc R Soc Med 65:1080, Dec 72
Pulmonary effects of acute exposure to nitrous fumes. Jones GR, et al. Thorax 28:61-5, Jan 73
Pancreatitis in dogs. Anderson NV.
Vet Clin N Amer 2:79-97, Jan 73 (9 ref.)

[Alpha heavy chain disease. Apropos of a case] Bernadou A, et al.
Nouv Rev Fr Hematol 12:333-49, May-Jun 72 (Eng. Abstr.) (Fre)
[Drug therapy in rectal diseases] Teller H.
Arch Dermatol Forsch 244:385-90, 1972 (Ger)
[Modern therapy of gout] Otto W, et al.
Beitr Rheumatol 18:89-95, 1972 (Ger)
[Study on the effect of Trasylol. I. Effect of Trasylol on migration and degranulation of neutrophilic granulocytes, comparison with prednisolone] Kifor E, et al. Blut 26:61-8, Jan 73 (Eng. Abstr.) (Ger)
[Behavior of immunoglobulins in the immunosuppressive therapy of liver diseases] Bauch K, et al.
Dtsch Gesundheitsw 27:2135-7, 9 Nov 72 (Eng. Abstr.) (Ger)
[Corticosteroids preceeding blood transfusions?] Deicher H.
Dtsch Med Wochenschr 98:288, 9 Feb 73 (Ger)
[Various results of immunologic studies on chronic liver diseases] Loginov AS, et al.
Dtsch Z Verdau Stoffwechselkr 32:105-8, 1972 (Ger)
[Effects of drugs on the inflammatory-fibroplastic processes in urologic diseases and uroplastic surgery] Rütte B von, et al. Praxis 61:1613-9, 26 Dec 72 (Ger)
[Injection therapy in temporomandibular joint syndromes] Baumann M.
Schweiz Monatsschr Zahnheilkd 83:18-22, 1973 (Eng. Abstr.) (Ger)
[Malabsorption--clinical aspects and therapy of resorption disorders] Dollinger HC.
Z Allgemeinmed 48:1624-9, 20 Dec 72 (Ger)
[Results of immunosuppressive therapy in chronic nephropathy with special reference to biopsy findings] Gömöri P, et al.
Z Gesamte Inn Med 27:976-80, 15 Nov 72 (Eng. Abstr.) (Ger)
[Clinical study of the effect of xylitol on adrenal cortex function] Suzawa A.
Clin Endocrinol (Tokyo) 20:1091-9, Dec 72 (Jap)
[Quadruple combination chemotherapy of acute leukemia using daunomycin, cytosine arabinoside, 6-mercaptopurine riboside and prednisolone] Hirano M, et al.
Jap J Clin Hematol 13:951-7, Dec 72 (Eng. Abstr.) (Jap)
[Dynamics of various functional indices of the nervous system in patients with Duhring's dermatitis herpetiformis during the course of treatment] Khrunova AP, et al.
Vestn Dermatol Venerol 46:29-33, Sep 72 (Eng. Abstr.) (Rus)
[Clinical course and treatment of mycosis fungoides] Skripkin IuK, et al.
Vestn Dermatol Venerol 46:18-21, Nov 72 (Eng. Abstr.) (Rus)
[Outcomes of exudative pleuritis in relation to the initiation of treatment] Glebovich OV, et al.
Voen Med Zh 11:38-40, Nov 72 (Rus)

PREDNISOLONE, TOPICAL

PHARMACODYNAMICS

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. South Med J 66:325-9, Mar 73

THERAPEUTIC USE

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. South Med J 66:325-9, Mar 73
[Trial of Phléholan in everyday practice] Schwaar R.
Praxis 62:108-9, 23 Jan 73 (Fre)
[Therapy of acute and chronic infections in the mouth and jaw region] Harnisch H.
ZWR 82:73-4, 25 Jan 73 (Ger)

PREDNISONE

ADMINISTRATION & DOSAGE

A self-medication program for cardiology inpatients. Buchanan EC, et al.
Am J Hosp Pharm 29:928-34, Nov 72
Combination chemotherapy and survival in advanced Hodgkin's disease. Canellos GP, et al.
Arch Intern Med 131:388-90, Mar 73
Status and perspectives in chemotherapy of Hodgkin's disease. Frei E 3d. Arch Intern Med 131:439-45, Mar 73
Combined chemotherapy radiotherapy management of stage 3 Hodgkin's disease. Gamble JF, et al.
Arch Intern Med 131:435-8, Mar 73
Eastern cooperative oncology group studies. Lenhard RE Jr. Arch Intern Med 131:418-20, Mar 73
Chemotherapy of Hodgkin's disease. Maintenance therapy vs no maintenance after remission induction with combination chemotherapy. Luce JK, et al.
Arch Intern Med 131:391-5, Mar 73
Chemotherapy of Hodgkin's disease in studies by acute leukemia group B. Nissen NI, et al.
Arch Intern Med 131:396-401, Mar 73
Splenectomy effects on chemotherapy in Hodgkin's disease. Panettiere F, et al.
Arch Intern Med 131:362-6, Mar 73
Plasma cell myeloma: response of melphalan-resistant patients to high-dose intermittent cyclophosphamide. Bergsagel DE, et al.
Can Med Assoc J 107:851-5, 4 Nov 72
Systemic corticosteroids in alopecia totalis. Unger WP.
Can Med Assoc J 108:177-80, 20 Jan 73
Combination chemotherapy in Hodgkin's disease. Nordentoft AM, et al. Dan Med Bull 20:52-60, Mar 73
The effect of alternate-day prednisone on the white blood count in children with chronic asthma. Chai H, et al. J Allergy Clin Immunol 51:65-70, Feb 73
Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. Morris HG, et al.
J Pharmacol Exp Ther 184:180-8, Jan 73
Updated Hodgkins' disease. C. Advanced disease and special problems. Advances in chemotherapy. Frei E 3d, et al. JAMA 223:166-8, 8 Jan 73
Updated Hodgkin's disease. C. Advanced disease and special problems. Management with combination therapy. Rubin P. JAMA 223:164-6, 8 Jan 73
Complications of pregnancy after renal transplantation including a report of spontaneous uterine rupture. Merrill LK, et al. Obstet Gynecol 41:270-4, Feb 73
Treatment of chronic hepatitis. Mistilis SP, et al.
Prog Liver Dis 4:419-32, 1972 (63 ref.)
Low dose radiation therapy and combination chemotherapy in the treatment of advanced Hodgkin's disease. Prosnitz LR, et al.
Radiology 107:187-93, Apr 73
Severe rejection of an HL-A identical sibling renal transplant. Dick HM, et al.
Tissue Antigens 2:345-51, 1972
[Chylous effusion during reticulosarcoma] Le Bourgeois JP, et al.
Nouv Presse Med 2:110, 13 Jan 73 (Fre)
[Long term course of idiopathic retroperitoneal fibrosis. Apropos of 6 cases treated medically] Zech P, et al.
Nouv Presse Med 2:481-5, 24 Feb 73 (Eng. Abstr.) (Fre)
[Treatment of Hodgkin's disease of the stomach] Höffken K, et al.
Dtsch Med Wochenschr 98:148-52, 26 Jan 73 (Eng. Abstr.) (Ger)
[Usefulness of prednisone test in evaluation of bone marrow function] Burchardt K, et al.
Acta Haematol Pol 3:147-54, Apr-Jun 72 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Chemotherapy of Hodgkin's disease. Maintenance therapy vs no maintenance after remission induction with combination chemotherapy. Luce JK, et al.
Arch Intern Med 131:391-5, Mar 73
Pulmonary nocardiosis complicating malignant lymphoma successfully treated with chemotherapy. Pinkhas J, et al. Chest 63:367-70, Mar 73
Multiple-drug therapy in Hodgkin's disease. Rubens RD, et al. Eur J Cancer 8:477-84, Oct 72
Kaposi's sarcoma in association with immunosuppressive therapy. Report of two cases. Haim S, et al. Isr J Med Sci 8:1993-7, Dec 72
Leukemoid reaction in acute lymphoblastic leukemia: a response to chemotherapy. Kaung DT.
J Iowa Med Soc 63:114-7, Mar 73
"Immunosuppressive" treatment of "chronic glomerulonephritis". Kallen RJ, et al.
J Pediatr 82:335-9, Feb 73 (45 ref.)
Hyperosmolar non-ketotic coma in a kidney transplant recipient. Daouk AA, et al. J Urol 108:524-5, Oct 72
Clinicopathological correlations in the nephrotic

syndrome due to primary renal disease. Hayslett JP, et al. Medicine (Baltimore) 52:93-120, Mar 73
Complications of pregnancy after renal transplantation including a report of spontaneous uterine rupture. Merrill LK, et al. Obstet Gynecol 41:270-4, Feb 73
Treatment of chronic hepatitis. Mistilis SP, et al. Prog Liver Dis 4:419-32, 1972 (63 ref.)
Pathogenesis of tracheal stenosis following tracheostomy with a cuffed tube. An experimental study in dogs. Goldberg M, et al. Thorax 27:676-91, Nov 72
[Treatment of lupus nephropathy] Conde Olasagasti J, et al. Rev Clin Esp 126:63-70, 15 Jan 73 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

[Steroid glucose tolerance test (S.G.T.T.) in childhood] Stolecke H, et al. Z Kinderheilkd 114:55-67, 22 Jan 73 (Eng. Abstr.) (Ger)
[Usefulness of prednisone test in evaluation of bone marrow function] Burchardt K, et al. Acta Haematol Pol 3:147-54, Apr-Jun 72 (Eng. Abstr.) (Pol)

METABOLISM

[Metabolism of glucocorticoids--in relation to increased anti-inflammatory activity] Mishina Y. Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 (Jap)

PHARMACODYNAMICS

Direct measurement of osteolysis in man. Hansen JW, et al. J Clin Invest 52:304-15, Feb 73
[Morphofunctional correlations in experimental hepatitis during immunodepressive treatment] Steflea D, et al. Fiziol Norm Patol 19:65-94, Jan-Feb 73 (Eng. Abstr.) (Rum)

THERAPEUTIC USE

A self-medication program for cardiology inpatients. Buchanan EC, et al. Am J Hosp Pharm 29:926-34, Nov 72
Multiple myeloma without initial paraproteins. Kim I, et al. Am J Med Sci 264:267-75, Oct 72
Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Pi-Sunyer FX, et al. Am J Med Sci 264:143-7, Aug 72
Cardiac allograft pathology in Rhesus monkeys. Hollander CF. Am J Phys Anthropol 38:431-3, Mar 73
Pigeon breeder's lung. Subacute course and the importance of indirect exposure. Riley DJ, et al. Am Rev Respir Dis 107:456-60, Mar 73
Progressive, atrophying, chronic granulomatous dermohypodermitis. Autoimmune disease? Convit J, et al. Arch Dermatol 107:271-4, Feb 73
Urticaria pigmentosa and acute lymphoblastic leukemia. Fromer JL, et al. Arch Dermatol 107:283-4, Feb 73
Combination chemotherapy and survival in advanced Hodgkin's disease. Canellos GP, et al. Arch Intern Med 131:388-90, Mar 73
Management of patients with non-Hodgkin's lymphoma. Carbone PP. Arch Intern Med 131:455-9, Mar 73
Single-agent therapy for Hodgkin's disease. Carter SK, et al. Arch Intern Med 131:377-87, Mar 73 (129 ref.)
Status and perspectives in chemotherapy of Hodgkin's disease. Frei E 3d. Arch Intern Med 131:439-45, Mar 73
Combined chemotherapy radiotherapy management of stage 3 Hodgkin's disease. Gamble JF, et al. Arch Intern Med 131:435-8, Mar 73
Eastern cooperative oncology group studies. Lenhard RE Jr. Arch Intern Med 131:418-20, Mar 73
Chemotherapy of Hodgkin's disease. Maintenance therapy vs no maintenance after remission induction with combination chemotherapy. Luce JK, et al. Arch Intern Med 131:391-5, Mar 73
Chemotherapy of Hodgkin's disease in studies by acute leukemia group B. Nissen NI, et al. Arch Intern Med 131:396-401, Mar 73
Splenectomy effects on chemotherapy in Hodgkin's disease. Panettiere F, et al. Arch Intern Med 131:362-6, Mar 73
Vasculitis and myositis secondary to rubella vaccination. Hanissian AS, et al. Arch Neurol 28:202-4, Mar 73
Polymyositis with intranuclear inclusions. A light and electron microscopic study. Schochet SS Jr, et al. Arch Neurol 28:280-3, Apr 73
Herpes zoster dendritic keratitis. Pavan-Langston D, et al. Arch Ophthalmol 89:25-9, Jan 73
Herpes zoster ophthalmicus treated with cytarabine. Pierce LE, et al. Arch Ophthalmol 89:21-4, Jan 73
Wet snow. Schlaegel TF Jr. Arch Ophthalmol 89:169-70, Feb 73
Cerebellopontine angle tumors or acoustic neuromas. Long-range management. Bender MB. Arch Otolaryngol 97:160-5, Feb 73
IgG cryoglobulinemia associated with amyloidosis. Maldonado JE, et al. Blood 41:569-76, Apr 73
Pure red cell aplasia: successful treatment with cyclophosphamide. Vilan J, et al. Blut 26:27-34, Jan 73
Lymphosarcoma presenting as Löffler's syndrome. Bailey CC, et al. Br Med J 1:460-1, 24 Feb 73
Corticosteroid withdrawal in asthma. Batten JC, et al. Br Med J 1:296, 3 Feb 73
Review of human renal transplantation at the Toronto General Hospital. Farrow GA, et al. Can J Surg 16:134-8, Mar 73
Human heart transplantation. Yao JK. Can J Surg 16:67-76, Mar 73
Plasma cell myeloma: response of melphalan-resistant patients to high-dose intermittent cyclophosphamide. Bergsagel DE, et al. Can Med Assoc J 107:651-5, 4 Nov 72
Immunofluorescent staining of lung biopsy in fibrosing alveolitis. Poon MC, et al. Can Med Assoc J 108:734-5 passim, 17 Mar 73
Bilateral nephrectomy for massive pulmonary hemorrhage in Goodpasture's syndrome. Silverman M, et al. Can Med Assoc J 108:336-40, 3 Feb 73
Nonbacterial pneumonitis with multidrug antineoplastic therapy in breast carcinoma. Stutz FH, et al. Can Med Assoc J 108:710-4, 17 Mar 73
Systemic corticosteroids in alopecia totalis. Unger WP. Can Med Assoc J 108:177-80, 20 Jan 73
Studies of correlation of lymphocyte response to phytohemagglutinin with the clinical and immunologic status in chronic lymphocytic leukemia. Han T. Cancer 31:280-5, Feb 73
Induction and maintenance of remission in acute leukemia. Effectiveness of combination therapy in 227 patients. Pavlovsky S, et al. Cancer 31:273-9, Feb 73
A study of the immunologic aspects of chronic heryllosis. Deodhar SD, et al. Chest 63:309-13, Mar 73
Acute lupus pneumonitis: response to azathioprine therapy. Matthay RA, et al. Chest 63:117-20, Jan 73
Pulmonary nocardiosis complicating malignant lymphoma successfully treated with chemotherapy. Pinkhas J, et al. Chest 63:367-70, Mar 73
Rapid development of constrictive pericarditis in a patient with systemic lupus erythematosus. Starkey RH, et al. Chest 63:448-50, Mar 73
Combination chemotherapy in Hodgkin's disease. Nordentoft AM, et al. Dan Med Bull 20:52-60, Mar 73
Sweet's syndrome simulating systemic lupus erythematosus. Frayha R, et al. Dermatologica 144:321-4, 1972
Multiple-drug therapy in Hodgkin's disease. Rubens RD, et al. Eur J Cancer 6:477-84, Oct 72
Impaired lymphocyte responsiveness in inflammatory bowel disease. Sachar DB, et al. Gastroenterology 64:203-9, Feb 73
Studies on red cell aplasia. V. Presence of erythroblast cytotoxicity in G-globulin fraction of plasma. Krantz SB, et al. J Clin Invest 52:324-36, Feb 73
Varicella in asthmatic children receiving alternate-day corticosteroid therapy. Weinberg EG, et al. J Med Assoc Thai 56:140-3, Feb 73
Correlation of cytology and clinical findings in pemphigus vulgaris. Medak H, et al. J Oral Med 28:4-13, Jan-Mar 73
"Immunosuppressive" treatment of "chronic glomerulonephritis". Kallen RJ, et al. J Pediatr 82:335-9, Feb 73 (45 ref.)
Periodontal status of renal transplant patients receiving immunosuppressive therapy. Schuller PD, et al. J Periodontol 44:167-70, Mar 73
Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. Morris HG, et al. J Pharmacol Exp Ther 184:180-8, Jan 73
Immunologic aspects of interstitial cystitis. Gordon HL, et al. J Urol 109:228-33, Feb 73
Fine-needle aspiration biopsy in the diagnosis of human

renal allograft rejection. Pasternack A, et al. J Urol 109:167-72, Feb 73

Updated Hodgkins' disease. C. Advanced disease and special problems. Advances in chemotherapy. Frei E 3d, et al. JAMA 223:166-8, 8 Jan 73

Updated Hodgkin's disease. C. Advanced disease and special problems. Combined chemotherapy-radiotherapy program. Fuller LM, et al. JAMA 223:168-9, 8 Jan 73

Updated Hodgkin's disease. C. Advanced disease and special problems. Comment: the non-Hodgkin's lymphomas. Rubin P. JAMA 223:175-8, 8 Jan 73

Updated Hodgkin's disease. C. Advanced disease and special problems. Management with combination therapy. Rubin P. JAMA 223:164-6, 8 Jan 73

Reversal of myelofibrosis in Hodgkin disease. Viola MV, et al. JAMA 223:1145-6, 5 Mar 73

Treatment of Wegener's granulomatosis. Trethowan JD, et al. Lancet 1:318-9, 10 Feb 73

Clinicopathological correlations in the nephrotic syndrome due to primary renal disease. Hayslett JP, et al. Medicine (Baltimore) 52:93-120, Mar 73

Granulomatous hepatitis and prolonged fever of unknown origin: a study of 13 patients. Simon HB, et al. Medicine (Baltimore) 52:1-21, Jan 73

Cell-mediated cytotoxicity to muscle in polymyositis. Effect of immunosuppression. Dawkins RL, et al. N Engl J Med 288:434-8, 1 Mar 73

Treatment of polymyositis with immunosuppressive drugs. Haas DC. Neurology (Minneap) 23:55-62, Jan 73

Management of respiratory allergy by nonallergists. 2. Asthma. Seehohm PM. Postgrad Med 53:63-6, Mar 73

Treatment of chronic hepatitis. Mistilis SP, et al. Prog Liver Dis 4:419-32, 1972 (63 ref.)

Liver transplantation: a clinical and immunological appraisal. Williams R, et al. Prog Liver Dis 4:433-46, 1972

Pneumocystis carinii pneumonia--transplant lung. Doak PB, et al. Q J Med 42:59-71, Jan 73

Low dose radiation therapy and combination chemotherapy in the treatment of advanced Hodgkin's disease. Prosnitz LR, et al. Radiology 107:187-93, Apr 73

The significance of serum creatinine and the blood urea-serum creatinine ratio in azotaemia. Kahn S, et al. S Afr Med J 46:1828-32, 25 Nov 72

Management of malignant lymphomas: a practical and philosophical approach. Flexner JM. South Med J 66:4-12, Jan 73

Cryptococcal peritonitis. Watson NE Jr, et al. South Med J 66:387-8, Mar 73

Severe rejection of an HL-A identical sibling renal transplant. Results of MLC tests. Dick HM, et al. Tissue Antigens 2:480, 1972

Repeated platelet transfusions from HL-A compatible unrelated and sibling donors. Thorsby E, et al. Tissue Antigens 2:397-404, 1972

Autoimmune haemolytic anaemia due to red cell antibodies of different specificities in a patient with chronic hepatitis. Lightwood AM, et al. Vox Sang 24:331-6, Apr 73

Treatment of hypercalcemia with furosemide and corticosteroids. Latos DL, et al. W Va Med J 69:52-4, Mar 73

[Ulcerative colitis in children. Treatment, course and prognosis] Binder V, et al. Ugeskr Laeger 134:2629-35, 11 Dec 72 (Eng. Abstr.) (Dan)

[Familial lichen planus] Dupont A. Arch Belg Dermatol Syphiligr 28:171, Apr-Jun 72 (Fre)

[Lymphocytic pleural effusions after injury of the liver. Autoimmune disease?] Coulnaud C, et al. Nouv Presse Med 2:15-8, 6 Jan 73 (Eng. Abstr.) (Fre)

[Long term course of idiopathic retroperitoneal fibrosis. Apropos of 6 cases treated medically] Zech P, et al. Nouv Presse Med 2:481-5, 24 Feb 73 (Eng. Abstr.) (Fre)

[Association of chronic myeloid leukemia and lymph node sarcoma. Study of 2 additional cases] André R, et al. Nouv Rev Fr Hematol 12:301-15, May-Jun 72 (Eng. Abstr.) (Fre)

[Peripheral neurologic manifestations of sarcoidosis] Emery JP, et al. Sem Hop Paris 48:3039-43, 14 Nov 72 (Eng. Abstr.) (Fre)

[Clinical aspects and therapy of the tarsal tunnel syndrome] Glatzel W, et al. Dtsch Gesundheitsw 27:2432-6, 21 Dec 72 (Eng. Abstr.) (Ger)

[Successful intrathecal treatment of meningeal leukaemia with methotrexate in the adult] Kölmel HW, et al. Dtsch Med Wochenschr 98:259-61, 9 Feb 73 (Eng. Abstr.) (Ger)

[Clinical observations on lichen planus of the oral cavity] Schmidt CR, et al. Dtsch Stomatol 22:820-4, Oct 72 (Eng. Abstr.) (Ger)

[Therapy of heart failure in childhood] Bock K. Kinderaerztl Prax 40:433-7, Oct 72 (Ger)

[Acute thrombocytopenic purpura following virus vaccinations] Carlo WR, et al. Kinderaerztl Prax 40:448-53, Oct 72 (Ger)

[Thymus gland hyperplasia: congenital, in association with adrenal gland hypoplasia and cytomegaly or myocarditis respectively] Niggemeyer H, et al. Klin Paediatr 184:501-7, Nov 72 (Eng. Abstr.) (Ger)

[Indications and management of immunosuppressive therapy in chronic hepatitis] Paumgartner G. Schweiz Med Wochenschr 103:158-61, 3 Feb 73 (Eng. Abstr.) (Ger)

[Treatment of rheumatic diseases with Prednirheumin-combi] Kovács L. Ther Ggw 111:1788-90 passim, Dec 72 (Ger)

[Lupus erythematosus in childhood] Pulgram A, et al. Wien Klin Wochenschr 85:67-70, 2 Feb 73 (Eng. Abstr.) (Ger)

[Treatment of chronic glomerulopathy] Orlowski T, et al. Z Gesamte Inn Med 27:980-3, 15 Nov 72 (Eng. Abstr.) (Ger)

[Combined treatment with corticosteroids and cyclophosphamide in the nephrotic syndrome in children] Chaimowitz S, et al. Harefuah 83:234-6, 15 Sep 72 (Eng. Abstr.) (Heb)

[Cytomorphological, immunochemical and therapeutic aspects of multiple myeloma] Maroncelli P, et al. Minerva Med 64:337-57, 17 Feb 73 (Eng. Abstr.) (Ita)

[Medical therapy of neoplastic disease. Polychemotherapy and aspecific, active immunostimulation] Saccani F, et al. Minerva Med 64:71-5, 13 Jan 73 (Eng. Abstr.) (Ita)

[Therapy of acute leukemia. Opinion of Prof. Franco Mandelli] Salvati A. Minerva Med 64:170-2, 20 Jan 73 (Ita)

[Pemphigus of the mucosa] Stangeland N. Tidsskr Nor Laegeforen 92:1866-7, 10 Oct 72 (Eng. Abstr.) (Nor)

[Severe thrombocytopenia in infectious mononucleosis] Wetterhus S. Tidsskr Nor Laegeforen 92:2257-8, 30 Nov 72 (Eng. Abstr.) (Nor)

[Peripheral facial palsy during allergic-inflammatory radiculomeningeal reaction] Kowalczyk K, et al. Neurol Neurochir Pol 7:59-61, Jan-Feb 73 (Eng. Abstr.) (Pol)

[On the use of isotope hypophysectomy with yttrium 90 in mammary neoplasms] Oprolu A. Stud Cercet Endocrinol 24:125-30, 1973 (Rum)

[Treatment of lupus nephropathy] Conde Olasagasti J, et al. Rev Clin Esp 128:63-70, 15 Jan 73 (Eng. Abstr.) (Spa)

PREGNANETRIOL

PHARMACODYNAMICS

Induction by topical corticosteroids of skin enzymes metabolizing carcinogenic hydrocarbons. Briggs MH, et al. Br J Dermatol 88:75-81, Jan 73

URINE

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al. Clin Genet 3:490-4, 1972

Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al. J Chromatogr Sci 11:76-82, Feb 73

A kindred with familial glucocorticoid suppressible aldosteronism. Glebink GS, et al. J Clin Endocrinol Metab 36:715-23, Apr 73

[A case of transient gynecomasty with hyperestrogenesis of nontumoral testicular origin] Gorins A, et al. Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Incomplete testicular feminization] Csaba I, et al. **Orv Hetil** 114:503-5, 4 Mar 73 **(Hun)**

TRIAMCINOLONE

Oxidative respiration of skeletal muscle in experimental corticosteroid myopathy. Vignos PJ Jr, et al. **J Lab Clin Med** 81:365-78, Mar 73

ADMINISTRATION & DOSAGE

Intraarticular triamcinolone hexacetonide: double-blind comparison with methylprednisolone. Bain LS, et al. **Br J Clin Pract** 26:559-61, Dec 72

The efficacy of local steroid injection in the treatment of stenosing tenovaginitis. Clark DD, et al. **Plast Reconstr Surg** 51:179-80, Feb 73

Depot corticosteroid preparations in hay fever. Melotte G. **Practitioner** 210:282-5, Feb 73

[Effect of therapeutic doses of triamcinolone on gastric secretion of acid, pepsin and some protein components] Bochenek W, et al. **Pol Tyg Lek** 28:171-3, 29 Jan 73 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS. **Kardiologiia** 12:137-48, Oct 72 (154 ref.) **(Rus)**

ANALYSIS

A method for the estimation of some synthetic glucocorticosteroids in rat muscle. Simpson PM. **J Chromatogr** 77:161-74, 14 Mar 73

PHARMACODYNAMICS

[Comparative studies on the vasoconstrictor effect of various corticosteroids] Bickhardt R. **Hautarzt** 23:301-5, Jul 72 **(Ger)**

[Effect of therapeutic doses of triamcinolone on gastric secretion of acid, pepsin and some protein components] Bochenek W, et al. **Pol Tyg Lek** 28:171-3, 29 Jan 73 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

The endodontic management of the acute pulpal or periapical lesion. Ehrmann EH. **Aust Dent J** 17:279-83, Aug 72

Edematous forms of nephritis in children and their treatment. Ussov J, et al. **Indian Pediatr** 9:406-7, Jul 72

Ganglions of the wrist and hand. Nelson CL, et al. **J Bone Joint Surg [Am]** 54:1459-64, Oct 72

Depot corticosteroid preparations in hay fever. Melotte G. **Practitioner** 210:282-5, Feb 73

Melkersson's syndrome. Bowers RE. **Proc R Soc Med** 65:1078, Dec 72

[Clinical course and treatment of mycosis fungoides] Skripkin IuK, et al. **Vestn Dermatol Venerol** 46:18-21, Nov 72 (Eng. Abstr.) **(Rus)**

[Pemphigus vulgaris (current aspects of its etiology, pathogenesis, clinical picture, diagnosis and treatment)] Torsuev NA, et al. **Vestn Dermatol Venerol** 46:7-11, Sep 72 **(Rus)**

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Intralesional treatment of alopecia areata with triamcinolone acetonide by jet injector. Abell E, et al. **Br J Dermatol** 88:55-9, Jan 73

Systemic corticosteroids in alopecia totalis. Unger WP. **Can Med Assoc J** 108:177-80, 20 Jan 73

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. **South Med J** 66:325-9, Mar 73

[Use of Flogosam and Fluorocort ointments in dermatological practice] Kapkaev RA, et al. **Vestn Dermatol Venerol** 46:68-9, Sep 72 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Long-term corticoid therapy in dermatology] Weitgasser H. **Arch Dermatol Forsch** 244:403-5, 1972 **(Ger)**

METABOLISM

Glucocorticoid-binding macromolecules in rat and mouse thymocytes. Kaiser N, et al. **J Biol Chem** 248:478-83, 25 Jan 73

Corticoid binding component in rat brain. Chytil F, et al. **J Neurochem** 19:2877-80, Dec 72

PHARMACODYNAMICS

The inhibition of tryptophan pyrrolase synthesis in rat liver by carbon tetrachloride. Sato Y, et al. **J Biochem (Tokyo)** 72:1129-37, Nov 72

Induction of parturition in cattle with corticosteroids. Welch RA. **J Reprod Fertil** 32:348, Feb 73

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. **South Med J** 66:325-9, Mar 73

THERAPEUTIC USE

Intralesional treatment of alopecia areata with triamcinolone acetonide by jet injector. Abell E, et al. **Br J Dermatol** 88:55-9, Jan 73

Biphasic amyloidosis: link between macular and lichenoid forms. Brownstein MH, et al. **Br J Dermatol** 88:25-9, Jan 73

A clinical trial with hydrocortisone butyrate cream in eczema. Polano MK, et al. **Br J Dermatol** 88:83-5, Jan 73

Systemic corticosteroids in alopecia totalis. Unger WP. **Can Med Assoc J** 108:177-80, 20 Jan 73

Herpes zoster of the vulva. Brown D. **Clin Obstet Gynecol** 15:1010-4, Dec 72

Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. Smith EB, et al. **South Med J** 66:325-9, Mar 73

[Long-term corticoid therapy in dermatology] Weitgasser H. **Arch Dermatol Forsch** 244:403-5, 1972 **(Ger)**

[Experiments and clinical studies with Ftorocort ointment] Vánkos J. **Orv Hetil** 113:2952-4, 3 Dec 72 **(Hun)**

[Kenacort A treatment of hypertrophic scars and keloids in children] Jaworski S. **Pol Przegl Chir** 45:145-50, Feb 73 (Eng. Abstr.) **(Pol)**

[Use of Flogosam and Fluorocort ointments in dermatological practice] Kapkaev RA, et al. **Vestn Dermatol Venerol** 46:68-9, Sep 72 (Eng. Abstr.) **(Rus)**

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Topical aminoglutethimide in hirsutism. Cunliffe WJ, et al. **Br J Dermatol 88:95-6, Jan 73**

PHARMACODYNAMICS

Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Miętkiewski K, et al. **Endokrinologie 60:257-72, 1972**

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. **Proc Soc Exp Biol Med 142:656-9, Feb 73**

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al. **Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

Topical aminoglutethimide in hirsutism. Cunliffe WJ, et al. **Br J Dermatol 88:95-6, Jan 73**

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

DDD

Acid hydrolysis products of DDD and DDT precursors. Jensen BL, et al. **J Org Chem 38:835-8, 23 Feb 73**

ADVERSE EFFECTS

[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al. **Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)**

ANALYSIS

Organochlorine pesticides in the tissues of the great barracuda (Sphyraena barracuda) (Waldbaum). Deichmann WB, et al. **Arch Toxikol 29:287-309, 1972**

Determination of polychlorinated biphenyls in the presence of organochlorine pesticides by thin-layer chromatography. Reinke J, et al. **Environ Lett 4:201-10, 1973**

Guidelines for environmental study of pesticides: determination of bioconcentration potential. Kenaga EE. **Residue Rev 44:73-113, 1972 (62 ref.)**

BIOSYNTHESIS

Interactions of halogenated pesticides and microorganisms: a review. Pfister RM. **CRC Crit Rev Microbiol 2:1-33, Nov 72 (10 ref.)**

BLOOD

Adrenocortical function in persons occupationally exposed to pesticides. Morgan DP, et al. **J Occup Med 15:26-8, Jan 73**

METABOLISM

Effect of protein and methionine on vitamin A liver storage in rats fed DDT. Young ML, et al. **J Nutr 103:218-24, Feb 73**

PHARMACODYNAMICS

The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Hart MM, et al. **Toxicol Appl Pharmacol 24:101-13, Jan 73**

THERAPEUTIC USE

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. **J Clin Endocrinol Metab 36:730-3, Apr 73**

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

METYRAPONE

ADMINISTRATION & DOSAGE

Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Sawano S, et al. **Endocrinol Jap 19:477-81, Oct 72**

DIAGNOSTIC USE

The level and circadian rhythm of plasma free 11-hydroxycorticoids in patients with localized intracranial processes, especially of the sellar region. Osterman PO, et al. **Acta Neurol Scand 49:115-32, 1973**

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al. **J Clin Endocrinol Metab 36:445-51, Mar 73**

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K. **J Clin Endocrinol Metab 36:433-8, Mar 73**

Studies on the adrenocortical hormone therapy in idiopathic nephrotic syndrome in children. Maki S, et al. **Med J Osaka Univ 22:259-300, Mar 72**

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore) 52:73-92, Jan 73**

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. **Neurology (Minneap) 22:1257-67, Dec 72**

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al. **Steroids 20:609-20, Nov 72**

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)**

[Diagnosis and therapy of endogenic hypercortisolism (Cushing's syndrome)] Meng W, et al. **Z Aerztl Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)**

[Metopirone test in menstruation disorders] Stojanov S. **Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)**

[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al. **Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[Steroid diagnosis of adrenal cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A. **Bratisl Lek Listy 59:214-26, Feb 73 (Slo)**

PHARMACODYNAMICS

Inappropriate lactation and amenorrhoea: pathological

and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh) 72:101-14, Jan 73**

The effect of metyrapone on the 17,20-lyase from rat testis microsomes. Betz G, et al. **Biochem Biophys Res Commun 50:134-9, 4 Jan 73**

The monooxygenation of N-heptane by rat liver microsomes. Frommer U, et al. **Biochim Biophys Acta 280:487-94, 8 Dec 72**

Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Sawano S, et al. **Endocrinol Jap 19:477-81, Oct 72**

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al. **Eur J Clin Invest 3:49-56, Jan 73**

Fractional and partial hypopituitarism in anorexia nervosa. Danowski TS, et al. **Hormones 3:105-18, 1972**

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K. **J Clin Endocrinol Metab 36:433-8, Mar 73**

Hydrocortisone as a possible inductor of Na + -K + -ATPase in the chick embryo cerebral hemispheres. Effect of metopirone. Šťastný F. **Physiol Bohemoslov 21:479-84, 1972**

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. **Proc Soc Exp Biol Med 142:656-9, Feb 73**

Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Burke CW, et al. **Q J Med 42:175-204, Jan 73**

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. **C R Acad Sci [D] (Paris) 274:3585-8, 26 Jun 72 (Fre)**

[Cytophysiologic study of adenohypophyseal changes in the tench treated with metopirone] Romain R, et al. **C R Soc Biol (Paris) 166:553-6, 1972 (Fre)**

[Changes in antidiuretic hormone in rats administered metopyrone] Marchetti J, et al. **J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)**

[Influence of ACTH and metopirone on the excretion of cortisol metabolites in endogenous depression during thioridazine administration] Stančáková A, et al. **Endokrinologie 60:205-17, 1972 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab 36:482-7, Mar 73**

PITUITARY-ADRENAL SYSTEM

Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion. D'Angelo SA, et al. **Am J Physiol 224:543-7, Mar 73**

The role of hypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Parvez H, et al. **Biochem Biophys Res Commun 50:901-7, 5 Feb 73**

Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W. **Gen Comp Endocrinol 19:392-6, Dec 72**

Effect of hypophysectomy on renal function in the western painted turtle (Chrysemys picta bellii). Butler DG. **Gen Comp Endocrinol 19:377-85, Dec 72**

The primary empty sella: clinical and radiographic characteristics and endocrine function. Neelon FA, et al. **Medicine (Baltimore) 52:73-92, Jan 73**

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phosphо-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)**

[Relation between the level of corticosteroids and gastric emptying] Dumas J. **J Physiol (Paris) 65:Suppl:229A, Oct 72 (Fre)**

[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B. **Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)**

[The reaction of the hypophyseal-adrenal cortex system to stimulation under conditions of catecholamine and serotonin synthesis blockade] Ryzhenkov VE. **Farmakol Toksikol 35:560-3, Sep-Oct 72 (Eng. Abstr.) (Rus)**

[Further studies on the influence of the salivary glands on adrenal cortex activity] Barabash RD. **Probl Endokrinol (Mosk) 18:103-6, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[The effect of diphenine on the functional state of the adrenal cortex in patients with Itsenko-Cushing disease] Starkova NT, et al. **Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[Biochemistry and endocrine spectrum of the organism in experimental life prolongation of laboratory animals] Nikitin VM. **Fiziol Zh 18:469-78, Jul-Aug 72 (Eng. Abstr.) (Ukr)**

DRUG EFFECTS

The role of hypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Parvez H, et al. **Biochem Biophys Res Commun 50:901-7, 5 Feb 73**

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Tallián F, et al. **Endokrinologie 60:279-84, 1972**

Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al. **Eur J Pharmacol 20:238-40, Nov 72**

Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone. Brown RD, et al. **J Clin Endocrinol Metab 36:445-51, Mar 73**

Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia. Takebe K. **J Clin Endocrinol Metab 36:433-8, Mar 73**

Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat. Seggie J, et al. **J Comp Physiol Psychol 82:60-5, Jan 73**

Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Zimmermann E, et al. **Neuroendocrinology 10:246-56, 1972**

[Indications, possibilities and limits of corticostimulation in current practice] Codaccioni JL, et al. **Rev Prat 22:Suppl:84-6, 25 Nov 72 (Fre)**

[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B. **Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) (Ger)**

[Problems of interaction between 5,5 1 -diphenylhydantoin (Hydantoinal) and other drugs] Pakszys W. **Pol Tyg Lek 27:1990-3, 11 Dec 72 (25 ref.) (Pol)**

RENIN

Fractionation and isolation of the multiple forms of prorennin (prochymosin). Asato N, et al. **Biochem J 129:841-6, Oct 72**

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

ADVERSE EFFECTS

[Experience with the use of the beta-receptor blocker practolol (Dalzic) in anesthesia (gynecology)] Schilling K. **Z Prakt Anaesth 7:367-77, Dec 72 (Eng. Abstr.) (Ger)**

ANALYSIS

Evidence for local renin formation in the rabbit oviduct. Eskildsen PC. **Acta Pathol Microbiol Scand [A] 80:743-50, 1972**

Juxtaglomerular index (JGI) and extractable renin in uninephrectomized and hydronephrotic rats. Saad FA, et al. **Acta Physiol Lat Am 22:171-80, 1972**

Partial purification and characterization of a renin-like enzyme from rat submandibular gland. Hackenthal E, et al. **Biochem Pharmacol 21:2779-92, 15 Oct 72**

Renin-angiotensin system in chronically hypophysectomized rats. Rojo-Ortega JM, et al. **Horm Metab Res 4:500-5, Nov 72**

The effect of a sulphated mucopolysaccharide (RO1-8307) on adrenal and kidney morphology and

function in tbe rat. Abbott EC, et al. Hormones 3:129-43, 1972

Effect of folic acid on plasma renin activity in rats. Yamamoto K, et al. Naunyn Schmiedebergs Arch Pharmacol 275:343-6, 1972

ANTAGONISTS & INHIBITORS

Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. Waldhäusl W, et al. Eur J Clin Invest 3:1-9, Jan 73

Biological activity of pepstatins, pepstanone A and partial peptides on pepsin, catbepsin D and renin. Aoyagi T, et al. J Antibiot (Tokyo) 25:689-94, Dec 72

BIOSYNTHESIS

Evidence for local renin formation in tbe rabbit oviduct. Eskildsen PC. Acta Pathol Microbiol Scand [A] 80:743-50, 1972

Effect of potassium on the renin-angiotensin system and HgCl 2 -induced acute renal failure. Flamenbaum W, et al. Am J Physiol 224:305-11, Feb 73

BLOOD

Tbe role of salt in experimental and human hypertension. Coleman TG, et al. Am J Med Sci 264:103-10, Aug 72

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al. Am J Obstet Gynecol 113:607-15, 1 Jul 72

Intrarenal secretion of renin in tbe dog: effect of furosemide. Ballie MD, et al. Am J Physiol 224:425-30, Feb 73

Vasopressin, renin, and cardiovascular responses to continuous slow hemorrhage. Claybaugb JR, et al. Am J Physiol 224:519-23, Mar 73

Effect of potassium on tbe renin-angiotensin system and HgCl 2 -induced acute renal failure. Flamenbaum W, et al. Am J Physiol 224:305-11, Feb 73

Changes in renin kinetics induced by nephrectomy. Romero JC, et al. Am J Physiol 223:1076-80, Nov 72

Effect of chlorothiazide and sodium on vascular responsiveness to angiotensin II. Weinberger MH, et al. Am J Physiol 223:1049-52, Nov 72

Radioimmunoassay of serum renin activity and digoxin concentrations, witb use of polyethylene glycol to separate free and antibody-bound ligand. Barrett MJ, et al. Clin Chem 18:1339-42, Nov 72

Relationship between tbe adrenergic nervous system and renin during adaptation to uprigbt posture: a possible role for 3,4-dibydroxypbenetbylamine (dopamine). Cucbe JL, et al. Clin Sci 43:481-91, Oct 72

Determination of plasma renin activity by radioimmunoassay of angiotensin I. Fukuchi S, et al. Clin Sci 44:43-54, Jan 73

Increase of plasma renin-substrate concentration after infusion of angiotensin in tbe rat. Khayyali M, et al. Clin Sci 44:87-90, Jan 73

Regulation of aldosterone production during pregnancy in tbe rat. Scbneider G, et al. Endocrinology 92:1208-15, Apr 73

Denervation diuresis and renin secretion in the anaestbetized dog. Bencsáth P, et al. Eur J Clin Invest 2:422-5, Nov 72

Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man. Peytremann A, et al. Eur J Clin Invest 2:432-8, Nov 72

Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. Waldhäusl W, et al. Eur J Clin Invest 3:1-9, Jan 73

Acute effects of clonidine on central and peripberal haemodynamics and plasma renin activity. Brod J, et al. Eur J Clin Pharmacol 4:107-14, Mar 72

Plasma renin concentration at delivery and during tbe newborn period in humans. Hayduk K, et al. Experientia 28:1489-90, 15 Dec 72

Childbood bypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla responsiveness. Sizonenko PC, et al. Helv Paediatr Acta 27:565-73, Dec 72

Renin-angiotensin system in chronically bypopbysectomized rats. Rojo-Ortega JM, et al. Horm Metab Res 4:500-5, Nov 72

Self-induced secondary byperaldosteronism simulating Bartter's syndrome. Ben-Ishay D, et al. Isr J Med Sci 8:1835-9, Nov 72

Renin-angiotensin system and hypertension. J Assoc Physicians India 20:377-8, May 72

Renin activity, sodium and potassium in hypertensive patients. Overturf M, et al. J Chronic Dis 25:621-34, Nov 72

A kindred with familial glucocorticoid suppressible aldosteronism. Giebink GS, et al. J Clin Endocrinol Metab 36:715-23, Apr 73

Radioimmunoassay: current status and clinical application. Wilson WB. J Miss State Med Assoc 14:31-8, Feb 73 (7 ref.)

Measurement of plasma renin activity by angiotensin I radioimmunoassay: (I) an assessment of some methodological aspects. Malvano R, et al. J Nucl Biol Med 16:24-31, Jan-Mar 72

Renal artery aneurysms and hypertension. Cummings KB, et al. J Urol 109:144-8, Feb 73

Double vas deferens associated with ipsilateral renal agenesis, simulating ectopic ureter. Koyanagi T, et al. J Urol 108:631-4, Oct 72

Hypertension from renal tuberculosis: operative cure predicted by renal vein renin. Marks LS, et al. J Urol 109:149-51, Feb 73

Cure of bypertension in a child with renal artery stenosis and bydronepbrosis in a solitary kidney. Presto AJ 3d, et al. J Urol 109:98-100, Jan 73

The role of bilateral nephrectomy in the treatment of hypertension of chronic renal failure. Schiff M Jr, et al. J Urol 109:152-5, Feb 73

Hyporeninemic bypertension. Vaisrub S. JAMA 223:190, 8 Jan 73

Secondary bypertension due to primary hypereninism. Vaisrub S. JAMA 223:189-90, 8 Jan 73

[Abnormalities of sodium and water metabolism with special reference to bypertensive diseases] Mizukoshi H, et al. Jap J Clin Med 30:2215-22, Nov 72 (52 ref.)

Effects of oral contraceptives on the renin-angiotensin system and on blood pressure of normal young women. Beckerboff R, et al. Johns Hopkins Med J 132:80-7, Feb 73

Abnormal relation between exchangeable sodium and tbe renin-angiotensin system in malignant bypertension and in bypertension with chronic renal failure. Davies DL, et al. Lancet 1:683-6, 31 Mar 73

Plasma renin, renin substrate, angiotensin II, and aldosterone in hypertensive disease of pregnancy. Weir RJ, et al. Lancet 1:291-4, 10 Feb 73

Propranolol and plasma-renin. Lancet 1:243, 3 Feb 73

The mechanism of tbe drinking response to some hypotensive drugs: activation of the renin-angiotensin system by direct or reflex-mediated stimulation of -receptors. Meyer DK, et al. Naunyn Schmiedebergs Arch Pharmacol 276:13-24, 1973

Effect of folic acid on plasma renin activity in rats. Yamamoto K, et al. Naunyn Schmiedebergs Arch Pharmacol 275:343-6, 1972

The effect of extracorporeal dialysis on plasma renin activity in patients with acute and chronic renal failure. Kokot F, et al. Pol Med J 11:1070-9, 1972

Plasma renin activity in patients witb chronic nepbritis. Kuska J, et al. Pol Med J 11:1080-9, 1972

Radioimmunoassay of angiotensin and determination of renin activity. Page LB. Prog Nucl Med 2:85-106, 1972 (60 ref.)

Renin-secreting juxtaglomerular-cell adenoma. Preoperative clinical and angiographic diagnosis. Conn JW, et al. Radiology 106:543-4, Mar 73

Prognostic value of simultaneous renal venous renin and split function studies in unilateral renal hypertension. Guedon J, et al. Rev Eur Etud Clin Biol 17:757-64, Oct 72

Angiotensin. II. Important role in tbe maintenance of arterial blood pressure. Johnson JA, et al. Science 179:906-7, 2 Mar 73

Renovascular bypertension in patients with a solitary kidney. Kaufman JJ, et al. Surg Gynecol Obstet 136:395-400, Mar 73

The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated witb renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. Trans Am Assoc Genitourin Surg 64:47-53, 1972

Renin measurements. Use in evaluation of tbe renal hypertensive suspect. Marks LS, et al. Va Med Mon 100:228-34, Mar 73

Congenital nephropathy and chronic diarrboea with

hypokalemic alkalosis. Hager-Malecka B, et al. Z Kinderheilkd 114:31-8, 22 Jan 73
[Hypokalemic alkalosis with hyperplasia of the juxtaglomerular apparatus: Bartter's syndrome?] Codaccioni JL, et al. Ann Endocrinol (Paris) 33:281-4, May-Jun 72 (Fre)
[Development and application of the radioimmunologic assay of plasma aldosterone and renin activity] Corvol P, et al. Ann Endocrinol (Paris) 33:285-6, May-Jun 72 (Eng. Abstr.) (Fre)
[Direct radioimmunochemical determination of plasmatic renin activity] Vincent M, et al. C R Soc Biol (Paris) 166:643-8, 1972 (Fre)
[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al. Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)
[Radioimmunological detection of angiotensin I and II for functional diagnostics of the renin-angiotensin system in various types of hypertension] Rave O, et al. Med Welt 23:1801-2, 25 Nov 72 (Ger)
[Light and electron microscopic studies of the zona glomerulosa in rat adrenals following carbenoxolone-sodium treatment] Saeger W, et al. Virchows Arch [Pathol Anat] 358:45-59, 1973 (Eng. Abstr.) (Ger)
[Etiology of hyperaldosteronemia in adrenogenital syndrome] Fukuchi S, et al. Clin Endocrinol (Tokyo) 20:869-73, Oct 72 (Jap)
[Pathogenesis of essential hypertension with suppressed plasma renin activity] Uchida K. Folia Endocrinol Jap 48:674-84, 20 Dec 72 (Eng. Abstr.) (Jap)
[Hemodialysis and hypertension] Fukuchi S, et al. Jap J Clin Med 30:2470-7, Dec 72 (Jap)
[Determination of blood renin activity in the diagnosis of renovascular hypertension] Januszewicz W. Pol Tyg Lek 28:237-40, 12 Feb 73 (Pol)
[The role of the kidneys in the pathogenesis of experimental cerebro-ischemic hypertension] Suchkov VV, et al. Kardiologiia 12:74-82, Oct 72 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Partial purification and characterization of a renin-like enzyme from rat submandibular gland. Hackenthal E, et al. Biochem Pharmacol 21:2779-92, 15 Oct 72

METABOLISM

Juxtaglomerular index (JGI) and extractable renin in uninephrectomized and hydronephrotic rats. Saad FA, et al. Acta Physiol Lat Am 22:171-80, 1972
Changes in renin kinetics induced by nephrectomy. Romero JC, et al. Am J Physiol 223:1076-80, Nov 72
The activation of renin in human amniotic fluid by proteolytic enzymes. Morris BJ, et al. Biochim Biophys Acta 289:385-91, 7 Dec 72
Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. Waldhäusl W, et al. Eur J Clin Invest 3:1-9, Jan 73
Renin-angiotensin system in chronically hypophysectomized rats. Rojo-Ortega JM, et al. Horm Metab Res 4:500-5, Nov 72
Accelerated hypertension secondary to oral contraceptives. Sokol SA. J Maine Med Assoc 64:52-3 passim, Mar 73
[Kidney size in the differentiation of the kidney artery stenosis with and without activation of the renin-angiotensin system] Dieterich WR, et al. Dtsch Gesundheitsw 27:2065-8, 2 Nov 72 (Eng. Abstr.) (Ger)
[Common salt and renin in nephrogenic hypertension] Wilkinson R. Z Gesamte Inn Med 27:965-70, 15 Nov 72 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Thirst and the limbic system. Fitzsimons JT. Proc R Soc Med 65:1067-70, Dec 72 (28 ref.)

PHYSIOLOGY

Hypertension with aldosterone excess. Robertson JI, et al. Angio Ger Med Rev 6:55-73, Mar 72
Stimulation of aldosterone secretion by hemorrhage in dogs after nephrectomy and decapitation. McCaa RE, et al. Circ Res 32:356-62, Mar 73
Abnormal relation between exchangeable sodium and the renin-angiotensin system in malignant hypertension and in hypertension with chronic renal failure. Davies DL, et al. Lancet 1:683-6, 31 Mar 73
Renal failure in advanced liver disease. Baldus WP. Prog Liver Dis 4:251-67, 1972 (62 ref.)
Prostaglandin (PGA1), angiotensin and renal function. McClatchey WM, et al. Prostaglandins 2:213-7, Sep 72
Autoregulation of renal blood flow in rabbits immunized with angiotensin II. Eide I, et al. Scand J Clin Lab Invest 31:123-7, Jan 73

SECRETION

Intrarenal secretion of renin in the dog: effect of furosemide. Baillie MD, et al. Am J Physiol 224:425-30, Feb 73
Effect of potassium on the renin-angiotensin system and HgCl 2 -induced acute renal failure. Flamenbaum W, et al. Am J Physiol 224:305-11, Feb 73
Evidence for hemodynamic autoregulation of renin release. Eide I, et al. Circ Res 32:237-45, Feb 73
Andrenergic stimulation of renin secretion in the isolated perfused rat kidney. Vandongen R, et al. Circ Res 32:290-6, Feb 73
Relationship between the adrenergic nervous system and renin during adaptation to upright posture: a possible role for 3,4-dihydroxyphenethylamine (dopamine). Cuche JL, et al. Clin Sci 43:481-91, Oct 72
Denervation diuresis and renin secretion in the anaesthetized dog. Bencsáth P, et al. Eur J Clin Invest 2:422-5, Nov 72
Control of renin secretion. Med J Aust 2:1396, 16 Dec 72
The effect of extracorporeal dialysis on plasma renin activity in patients with acute and chronic renal failure. Kokot F, et al. Pol Med J 11:1070-9, 1972
Salivary indicators of systemic disease. Wotman S, et al. Postgrad Med 53:73-8, Mar 73
Prognostic value of simultaneous renal venous renin and split function studies in unilateral renal hypertension. Guedon J, et al. Rev Eur Etud Clin Biol 17:757-64, Oct 72
Renal potassium-wasting of unknown cause in a clinical setting of chronic potassium depletion: report of a case. France R, et al. South Med J 66:115-28, Jan 73
Role of the adrenal cortex in hypertension. Liddle GW, et al. South Med J 66:51-4, Jan 73
[Study of renal function, juxtaglomerular index and plasma renin activity in unilaterally nephrectomized dogs] Cipullo JP, et al. Rev Assoc Med Bras 18:453-6, Nov 72 (Eng. Abstr.) (Por)

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al. Biochem Pharmacol 22:293-310, 1 Feb 73
The clinical use of diuretics. 2. Frazier HS, et al. N Engl J Med 288:455-7, 1 Mar 73 (8 ref.)
[Urea and spironolactone therapy] Schwarzbach W, et al. Munch Med Wochenschr 115:76-80, 19 Jan 73 (Eng. Abstr.) (Ger)
[Pilot study on the efficacy of high doses of aldosterone and spirolactone derivatives in the treatment of multiple sclerosis] Mertin J, et al. Z Neurol 202:217-28, 1972 (Eng. Abstr.) (Ger)
[Pathogenesis of essential hypertension with suppressed plasma renin activity] Uchida K. Folia Endocrinol Jap 48:674-84, 20 Dec 72 (Eng. Abstr.) (Jap)
[A combination of diuretics from different classes in the treatment of cardiac insufficiency] Sycheva IM, et al. Kardiologiia 12:51-3, Nov 72 (Rus)

ADVERSE EFFECTS

[Urea and spironolactone therapy] Schwarzbach W, et al. Munch Med Wochenschr 115:76-80, 19 Jan 73 (Eng. Abstr.) (Ger)
[Pilot study on the efficacy of high doses of aldosterone and spirolactone derivatives in the treatment of multiple sclerosis] Mertin J, et al. Z Neurol 202:217-28, 1972 (Eng. Abstr.) (Ger)

[Hyperuricemia due to diuretics] Ravera M, et al. **Minerva Med 64:160-6, 20 Jan 73 (Ita)**

ANALYSIS

[Interference in 11-hydroxycorticosteroid determination due to the presence of spironolactone (aldactone)] Ide H, et al. **Clin Endocrinol (Tokyo) 20:891-6, Oct 72 (Jap)**

BLOOD

[Interference in 11-hydroxycorticosteroid determination due to the presence of spironolactone (aldactone)] Ide H, et al. **Clin Endocrinol (Tokyo) 20:891-6, Oct 72 (Jap)**

PHARMACODYNAMICS

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al. **Biochem Pharmacol 22:293-310, 1 Feb 73**

Faecal sodium-potassium ratio and aldosteronism in experimental hypertension in the rat. Swales JD, et al. **Clin Sci 43:577-81, Oct 72**

The role of adrenal corticosteroids in the regulation of kidney function in the desert lizard Dipsosaurus dorsalis. Bradshaw SD, et al. **Comp Biochem Physiol [A] 43:621-35, 1 Nov 72**

The effect of cyproterone acetate pretreatment on the in vitro metabolism of aniline, hexobarbital and 3 H-digitoxigenin. Talcott RE, et al. **J Pharmacol Exp Ther 184:419-23, Feb 73**

Enhanced biliary excretion of digitoxin following sprionolactone as it relates to the prevention of digitoxin toxicity. Castle MC, et al. **Res Commun Chem Pathol Pharmacol 5:99-108, Jan 73**

[Preliminary study of the antitoxic action of spironolactone with respect to thymoleptics] Larcan A, et al. **Eur J Toxicol 5:110-3, Mar-Apr 72 (Fre)**

[The effect of spironolactone and thiabutazide on serum-uric acid and lipid levels in patients with gout and in healthy persons] Mertz DP. **Dtsch Med Wochenschr 98:11-5, 5 Jan 73 (Eng. Abstr.) (Ger)**

[Studies on the respiration-stimulating effect of spirolactone in healthy subjects] Nolte D, et al. **Klin Wochenschr 51:200-1, 15 Feb 73 (Eng. Abstr.) (Ger)**

[Light and electron microscopy of the zona glomerulosa of dogs following treatment with spirolactone] Rohrschneider I, et al. **Res Exp Med (Berl) 159:321-32, 1973 (Eng. Abstr.) (Ger)**

[Pathogenesis of essential hypertension with suppressed plasma renin activity] Uchida K. **Folia Endocrinol Jap 48:674-84, 20 Dec 72 (Eng. Abstr.) (Jap)**

SECRETION

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. **Aerosp Med 44:190-3, Feb 73**

THERAPEUTIC USE

Experience with the use of an aldosterone antagonist in selected hypertensive patients. Kert MJ, et al. **Angiology 23:617-27, Nov 72**

A kindred with familial glucocorticoid suppressible aldosteronism. Glebink GS, et al. **J Clin Endocrinol Metab 36:715-23, Apr 73**

The clinical use of diuretics. 2. Frazier HS, et al. **N Engl J Med 288:455-7, 1 Mar 73 (8 ref.)**

Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow. Simopoulos AP, et al. **Neurology (Minneap) 22:1257-67, Dec 72**

Renal potassium-wasting of unknown cause in a clinical setting of chronic potassium depletion: report of a case. France R, et al. **South Med J 66:115-28, Jan 73**

Role of the adrenal cortex in hypertension. Liddle GW, et al. **South Med J 66:51-4, Jan 73**

[Primary hyperaldosteronism with malignant hypertension] Baglin A, et al. **Nouv Presse Med 2:295-7, 3 Feb 73 (Eng. Abstr.) (Fre)**

[Treatment of myasthenia with corticotropic hormones] Goulon M, et al. **Sem Hop Paris 48:3371-5, 14 Dec 72 (Eng. Abstr.) (Fre)**

[Pathogenesis of hypertension in primary aldosteronism] Distler A, et al. **Dtsch Med Wochenschr 98:100-5, 19 Jan 73 (Eng. Abstr.) (Ger)**

[Studies on the respiration-stimulating effect of spirolactone in healthy subjects] Nolte D, et al. **Klin Wochenschr 51:200-1, 15 Feb 73 (Eng. Abstr.) (Ger)**

URINE

[Interference in 11-hydroxycorticosteroid determination due to the presence of spironolactone (aldactone)] Ide H, et al. **Clin Endocrinol (Tokyo) 20:891-6, Oct 72 (Jap)**

TRANSCORTIN

Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution. Wagner RK, et al. **Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72**

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al. **Steroids 20:609-20, Nov 72**

[Determination of serum progesterone by competitive protein binding] Shinada T, et al. **Clin Endocrinol (Tokyo) 20:671-7, Aug 72 (Jap)**

BLOOD

Physicochemical properties of the 5 -dihydrotestosterone binding protein in human male serum. Hansson V, et al. **Steroids 20:555-74, Nov 72**

V. Adrenal Medulla

ADRENAL MEDULLA

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

ANALYSIS

Lipid composition of membranes of amine-storage organelles. Da Prada M, et al. Biochem J 127:681-3, May 72

Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. Greenberg RS, et al. J Pharmacol Exp Ther 184:119-28, Jan 73

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. Life Sci [I] 11:749-59, 15 Aug 72

Ouabain-induced myocardial catecholamine release: inhibition by propranolol. Ciofalo F, et al. Res Commun Chem Pathol Pharmacol 5:73-9, Jan 73

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. Science 179:902-4, 2 Mar 73

[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al. J Physiol (Paris) 65:Suppl:196A, Oct 72 (Fre)

CYTOLOGY

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. Biochem Pharmacol 22:430-2, 1 Feb 73

The membrane of the catecholamine storage vesicles of the adrenal medulla. Correlation of ultrastructure with biochemical properties. Agostini B, et al. Histochemie 33:255-72, 1973

DRUG EFFECTS

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. Biochem Pharmacol 22:430-2, 1 Feb 73

Childhood hypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla responsiveness. Sizonenko PC, et al. Helv Paediatr Acta 27:565-73, Dec 72

Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. Greenberg RS, et al. J Pharmacol Exp Ther 184:119-28, Jan 73

Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. Morris HG, et al. J Pharmacol Exp Ther 184:180-8, Jan 73

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. J Pharmacol Exp Ther 184:106-18, Jan 73

[The pharmacology of temechine--a new ganglionic blocking preparation] Sharapov IM. Farmakol Toksikol 35:687-90, Nov-Dec 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Pteridines as cofactor or inhibitor of tyrosine hydroxylase. Nagatsu T, et al. Biochem Pharmacol 21:1945-53, 15 Jul 72

The membrane of the catecholamine storage vesicles of the adrenal medulla. Correlation of ultrastructure with biochemical properties. Agostini B, et al. Histochemie 33:255-72, 1973

The isolation and characterization of dihydropteridine reductase from sheep liver. Craine JE, et al. J Biol Chem 247:6082-91, 10 Oct 72

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. J Pharmacol Exp Ther 184:106-18, Jan 73

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. Science 179:902-4, 2 Mar 73

GROWTH & DEVELOPMENT

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. Life Sci [I] 11:749-59, 15 Aug 72

INNERVATION

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. Science 179:902-4, 2 Mar 73

METABOLISM

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. Biochem Pharmacol 22:430-2, 1 Feb 73

Pathophysiological aspects of catecholamine production. Von Euler US. Clin Chem 18:1445-8, Dec 72 (26 ref.)

The membrane of the catecholamine storage vesicles of the adrenal medulla. Correlation of ultrastructure with biochemical properties. Agostini B, et al. Histochemie 33:255-72, 1973

Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. Greenberg RS, et al. J Pharmacol Exp Ther 184:119-28, Jan 73

Tissue levels of catecholamines in patients with different types of trauma. LaBrosse EH, et al. J Trauma 13:61-4, Jan 73

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. Life Sci [I] 11:749-59, 15 Aug 72

Storage of biogenic amines in blood platelets and adrenal medulla. Lack of evidence for direct involvement of glycosaminoglycans. Da Prada M, et al. Naunyn Schmiedebergs Arch Pharmacol 275:315-22, 1972

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. Science 179:902-4, 2 Mar 73

PHYSIOLOGY

Human endocrine-metabolic responses to graded oxygen pressures. Hale HB, et al. Aerosp Med 44:33-6, Jan 73

Lack of effects of adrenergic blockade, adrenal medullectomy and medullectomy combined with reserpine treatment on the metabolic response to injury. Vigas M, et al. Eur Surg Res 5:58-63, 1973

Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. Greenberg RS, et al. J Pharmacol Exp Ther 184:119-28, Jan 73

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. J Pharmacol Exp Ther 184:106-18, Jan 73

[Role of the adrenal medulla in the recovery of vascular tonus of the hindlimb of the dog after acute denervation] Rieu M, et al. J Physiol (Paris) 65:Suppl 1:159A, 1972 (Fre)

[Consequences of simultaneous ablation of the thyroid and adrenal medulla on the maximal heat production of dogs exposed to cold] Therminarias A, et al. J Physiol (Paris) 65:Suppl 1:169A, 1972 (Fre)

[The role of the adrenal glands in mobilizing carbohydrate and fat resources upon overstimulation of rats] Khechinashvili GG. Farmakol Toksikol 35:575-80, Sep-Oct 72 (Eng. Abstr.) (Rus)

SECRETION

Adrenergic control of ventricular performance in normal and cardiac-denervated dogs. Guyton RA, et al. Am J Physiol 223:1021-8, Nov 72

Sweating in primates: secretion by adrenal medulla during exercise. Robertshaw D, et al. Am J Physiol 224:678-81, Mar 73

Tetrahydroisoquinoline alkaloids: stimulated secretion

from the adrenal medulla. Greenberg RS, et al. **J Pharmacol Exp Ther** 184:119-28, Jan 73

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. **J Pharmacol Exp Ther** 184:106-18, Jan 73

CATECHOLAMINES

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

ANALYSIS

Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al.
Eur J Pharmacol 20:238-40, Nov 72

Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. Greenberg RS, et al. **J Pharmacol Exp Ther** 184:119-28, Jan 73

Recovery of rat adrenal amine stores after insulin administration. Slotkin TA, et al.
Mol Pharmacol 9:105-16, Jan 73

Ouabain-induced myocardial catecholamine release: inhibition by propranolol. Ciofalo F, et al.
Res Commun Chem Pathol Pharmacol 5:73-9, Jan 73

Extra-adrenal epinephrine-producing pheochromocytoma with fatal shock. Sohonya RE, et al.
Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73

[The effect of thyreotropic hormone on the catecholamine content of various parts of the brain and adrenal glands] Nagnihida NM.
Fiziol Zh 19:106-9, 1973 **(Ukr)**

BIOSYNTHESIS

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. **Life Sci [I]** 11:749-59, 15 Aug 72

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) **(Jap)**

BLOOD

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73

Extra-adrenal epinephrine-producing pheochromocytoma with fatal shock. Sohonya RE, et al.
Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73

Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73

[Self regulation of adrenal blood flow during bloodletting] Juchmes J, et al.
C R Soc Biol (Paris) 166:744-6, 1972 **(Fre)**

[Effect of low-frequency mechanical vibrations on the corticoadrenal function in humans] Pesquies P, et al.
C R Soc Biol (Paris) 166:874-8, 1972 **(Fre)**

METABOLISM

Effects of temperature stress on catecholamines and corticosterone of male turkeys. el-Halawani ME, et al.
Am J Physiol 224:384-8, Feb 73

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. **Biochem Pharmacol** 22:430-2, 1 Feb 73

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

The membrane of the catecholamine storage vesicles of the adrenal medulla. Correlation of ultrastructure with biochemical properties. Agostini B, et al.
Histochemie 33:255-72, 1973

Recovery of rat adrenal amine stores after insulin administration. Slotkin TA, et al.
Mol Pharmacol 9:105-16, Jan 73

Ouabain-induced myocardial catecholamine release: inhibition by propranolol. Ciofalo F, et al.
Res Commun Chem Pathol Pharmacol 5:73-9, Jan 73

[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al.
J Physiol (Paris) 65:Suppl:196A, Oct 72 **(Fre)**

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-metbyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) **(Jap)**

PHARMACODYNAMICS

[Role of the adrenal medulla in the recovery of vascular tonus of the hindlimb of the dog after acute denervation] Rieu M, et al.
J Physiol (Paris) 65:Suppl 1:159A, 1972 **(Fre)**

PHYSIOLOGY

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

Lack of effects of adrenergic blockade, adrenal medullectomy and medullectomy combined with reserpine treatment on the metabolic response to injury. Vigaš M, et al. **Eur Surg Res** 5:58-63, 1973

[Catecholamines and arteriosclerosis] Miyahara M, et al.
Clin Endocrinol (Tokyo) 20:613-20, Aug 72 (100 ref.) **(Jap)**

[The use of neurotropic drugs in the study of the mechanisms of nonesterified fatty acid mobilization evoked by overstimulation in rats] Nikul'cheva NG.
Farmakol Toksikol 35:610-5, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

SECRETION

The diagnostic evaluation of the hypertensive patient. Bower PJ, et al. **J La State Med Soc** 125:43-6, Feb 73

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. **J Pharmacol Exp Ther** 184:106-18, Jan 73

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

[Catecholamine secreting tumors (pheochromocytoma and ganglioneuroma) associated with neurofibromatosis] Cavalle F, et al.
Rev Clin Esp 128:35-40, 15 Jan 73 (Eng. Abstr.) **(Spa)**

URINE

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child** 48:137-42, Feb 73

Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man. Peytremann A, et al. **Eur J Clin Invest** 2:432-8, Nov 72

Corticoadrenal and adrenergic overactivity and hyperlipidemia in prolonged emotional stress. Argüelles AE, et al. **Hormones** 3:167-74, 1972

Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73

CHROMAFFIN SYSTEM

ANALYSIS

Lipid composition of membranes of amine-storage organelles. Da Prada M, et al.
Biochem J 127:681-3, May 72

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. **Life Sci [I]** 11:749-59, 15 Aug 72

DRUG EFFECTS

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. **Biochem Pharmacol** 22:430-2, 1 Feb 73

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. **J Pharmacol Exp Ther** 184:106-18, Jan 73

METABOLISM

Influence of different anions on catecholamine release induced by tyramine and amphetamine. Wagner LA, et al. **Biochem Pharmacol** 22:430-2, 1 Feb 73
Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)
Storage of biogenic amines in blood platelets and adrenal medulla. Lack of evidence for direct involvement of glycosaminoglycans. Da Prada M, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:315-22, 1972

PHYSIOLOGY

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. **J Pharmacol Exp Ther** 184:106-18, Jan 73

DOPA

ANALYSIS

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child** 48:137-42, Feb 73
Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al.
J Pharmacol Exp Ther 184:67-72, Jan 73

BIOSYNTHESIS

Pteridines as cofactor or inhibitor of tyrosine hydroxylase. Nagatsu T, et al.
Biochem Pharmacol 21:1945-53, 15 Jul 72

METABOLISM

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) **(Jap)**

PHARMACODYNAMICS

Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al.
J Pharmacol Exp Ther 184:67-72, Jan 73

DOPAMINE

Lipid composition of membranes of amine-storage organelles. Da Prada M, et al.
Biochem J 127:681-3, May 72

ANALYSIS

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child** 48:137-42, Feb 73
Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al.
Eur J Pharmacol 20:238-40, Nov 72
Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al.
J Pharmacol Exp Ther 184:67-72, Jan 73

BIOSYNTHESIS

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) **(Jap)**

METABOLISM

Toxicity of carbon disulphide. Magos L.
Ann Occup Hyg 15:303-11, Nov 72
Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

EPINEPHRINE

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol** 7:94-145, 1972 (409 ref.)

ANALYSIS

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. **J Pharmacol Exp Ther** 184:106-18, Jan 73
Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al.
J Pharmacol Exp Ther 184:67-72, Jan 73
The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. **Life Sci [I]** 11:749-59, 15 Aug 72
Extra-adrenal epinephrine-producing pheochromocytoma with fatal shock. Sohonya RE, et al.
Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73
[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al.
J Physiol (Paris) 65:Suppl:196A, Oct 72 **(Fre)**

BIOSYNTHESIS

[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al.
J Physiol (Paris) 65:Suppl:196A, Oct 72 **(Fre)**

BLOOD

Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task. O'Hanlon JF, et al. **Aerosp Med** 44:129-34, Feb 73
Adrenergic control of ventricular performance in normal and cardiac-denervated dogs. Guyton RA, et al. **Am J Physiol** 223:1021-8, Nov 72
Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73
[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 **(Fre)**

METABOLISM

Seasonal variations in the physiology and biochemistry of the European hedgehog (Erinaceus europaeus) including comparisons with non-hibernators, guinea-pig and man. Johansson BW, et al.
Acta Physiol Scand [Suppl] 380:1-159, 1972
Circadian rhythms in catecholamines in organs of the golden hamster. Lew GM, et al.
Am J Physiol 224:503-8, Mar 73
Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)
Tissue levels of catecholamines in patients with different types of trauma. LaBrosse EH, et al.
J Trauma 13:61-4, Jan 73
Recovery of rat adrenal amine stores after insulin administration. Slotkin TA, et al.
Mol Pharmacol 9:105-16, Jan 73
[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 **(Fre)**

PHARMACODYNAMICS

Adrenergic control of ventricular performance in normal and cardiac-denervated dogs. Guyton RA, et al. **Am J Physiol** 223:1021-8, Nov 72
Studies on the specificity of the radio-bioassay for corticotrophin. Bukovsan W.
Gen Comp Endocrinol 19:392-6, Dec 72
A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments. Morris ML, et al.
J Biol Chem 248:1459-65, 25 Feb 73
[Catecholamines and arteriosclerosis] Miyahara M, et al.
Clin Endocrinol (Tokyo) 20:613-20, Aug 72 (100 ref.) **(Jap)**

PHYSIOLOGY

Sweating in primates: secretion by adrenal medulla during exercise. Robertshaw D, et al.
Am J Physiol 224:678-81, Mar 73

SECRETION

Sweating in primates: secretion by adrenal medulla during exercise. Robertshaw D, et al.
Am J Physiol 224:678-81, Mar 73

Childhood hypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla responsiveness. Sizonenko PC, et al.
Helv Paediatr Acta 27:565-73, Dec 72

Tissue levels of catecholamines in patients with different types of trauma. LaBrosse EH, et al.
J Trauma 13:61-4, Jan 73

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 (Fre)

TOXICITY

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

URINE

Human endocrine-metabolic responses to graded oxygen pressures. Hale HB, et al.
Aerosp Med 44:33-6, Jan 73

Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al.
J Clin Endocrinol Metab 36:766-9, Apr 73

Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. Morris HG, et al.
J Pharmacol Exp Ther 184:180-8, Jan 73

HYDROXYDOPAMINE

PHARMACODYNAMICS

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al.
Biochem Pharmacol 21:3085-8, 15 Nov 72

Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. Djahanguiri B, et al.
J Pharmacol Exp Ther 184:163-8, Jan 73

ISOPROTERENOL

Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al.
J Clin Endocrinol Metab 36:766-9, Apr 73

ANTAGONISTS & INHIBITORS

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

THERAPEUTIC USE

[What is assured in treatment with beta receptor blockaders?] Egidy H von.
Internist (Berlin) 13:481-4, Dec 72 (Ger)

TOXICITY

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

METHYLDOPA

PHARMACODYNAMICS

Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. Djahanguiri B, et al.
J Pharmacol Exp Ther 184:163-8, Jan 73

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) (Jap)

NOREPINEPHRINE

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)

ANALYSIS

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73

Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase. Yuwiler A, et al.
Biochem Pharmacol 21:3085-8, 15 Nov 72

Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration. Kaplanski J, et al.
Eur J Pharmacol 20:238-40, Nov 72

The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla. Rahwan RG, et al. J Pharmacol Exp Ther 184:106-18, Jan 73

Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. Romero JA, et al.
J Pharmacol Exp Ther 184:67-72, Jan 73

The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. O'Brien RA, et al. Life Sci [I] 11:749-59, 15 Aug 72

[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al.
J Physiol (Paris) 65:Suppl:196A, Oct 72 (Fre)

ANTAGONISTS & INHIBITORS

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al.
J Physiol (Lond) 229:6P-8P, Feb 73

BIOSYNTHESIS

[Study of the catecholamine content in different tissues of rats exposed for 4 hours to heat and cold] Beauvallet M, et al.
J Physiol (Paris) 65:Suppl:196A, Oct 72 (Fre)

[Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Hashida J.
Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Eng. Abstr.) (Jap)

BLOOD

Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task. O'Hanlon JF, et al. Aerosp Med 44:129-34, Feb 73

Adrenergic control of ventricular performance in normal and cardiac-denervated dogs. Guyton RA, et al. Am J Physiol 223:1021-8, Nov 72

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al.
Arch Int Physiol Biochim 80:807-14, Oct 72 (Fre)

METABOLISM

Seasonal variations in the physiology and biochemistry of the European hedgehog (Erinaceus europaeus) including comparisons with non-hibernators, guinea-pig and man. Johansson BW, et al.
Acta Physiol Scand [Suppl] 380:1-159, 1972

Circadian rhythms in catecholamines in organs of the golden hamster. Lew GM, et al.
Am J Physiol 224:503-8, Mar 73

Toxicity of carbon disulphide. Magos L.
Ann Occup Hyg 15:303-11, Nov 72

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)

Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. Djahanguiri B, et al.
J Pharmacol Exp Ther 184:163-8, Jan 73

Tissue levels of catecholamines in patients with different types of trauma. LaBrosse EH, et al. **J Trauma 13:61-4, Jan 73**

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al. **Arch Int Physiol Biochim 80:807-14, Oct 72 (Fre)**

PHARMACODYNAMICS

Pulmonary edema and hemorrhage resulting from cerebral compression. Chen HI, et al. **Am J Physiol 224:223-9, Feb 73**

Adrenergic control of ventricular performance in normal and cardiac-denervated dogs. Guyton RA, et al. **Am J Physiol 223:1021-3, Nov 72**

Pteridines as cofactor or inhibitor of tyrosine hydroxylase. Nagatsu T, et al. **Biochem Pharmacol 21:1945-53, 15 Jul 72**

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. **Clin Chem 19:312-4, Mar 73**

[Catecholamines and arteriosclerosis] Miyahara M, et al. **Clin Endocrinol (Tokyo) 20:613-20, Aug 72 (100 ref.) (Jap)**

SECRETION

Tissue levels of catecholamines in patients with different types of trauma. LaBrosse EH, et al. **J Trauma 13:61-4, Jan 73**

[Catecholamine level of peripheral blood as evidence for orthosympathetic hyperactivity in the dog] Cession-Fossion A, et al. **Arch Int Physiol Biochim 80:807-14, Oct 72 (Fre)**

TOXICITY

Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation. Atkinson JM, et al. **J Physiol (Lond) 229:6P-8P, Feb 73**

URINE

Human endocrine-metabolic responses to graded oxygen pressures. Hale HB, et al. **Aerosp Med 44:33-6, Jan 73**

Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al. **J Clin Endocrinol Metab 36:766-9, Apr 73**

NORMETANEPHRINE

URINE

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al. **Mayo Clin Proc 48:47-9, Jan 73**

PHEOCHROMOCYTOMA

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. **Recent Prog Horm Res 28:399-470, 1972**

[Pheochromocytoma] Amstel WJ van. **Tijdschr Ziekenverpl 25:1300-5, 12 Dec 72 (Dut)**

BLOOD

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al. **Mayo Clin Proc 48:47-9, Jan 73**

CHEMICALLY INDUCED

Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al. **J Clin Endocrinol Metab 36:766-9, Apr 73**

COMPLICATIONS

Medullary carcinoma of the thyroid. Hill CS Jr. **Am Fam Physician 7:99-105, Feb 73**

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**

New techniques in the diagnosis and treatment of hypertension. Weinberger MH. **J Indiana State Med Assoc 66:95-9, Feb 73**

Pathogenetic mechanisms in hypertension. Wilson JW Jr. **J La State Med Soc 125:39-41, Feb 73**

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. **Medicine (Baltimore) 52:141-71, Mar 73**

Extra-adrenal epinepbrine-producing pheochromocytoma with fatal shock. Sohonya RE, et al. **Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73**

Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al. **Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73**

Multiple mucosal neuromas, pheochromocytoma, medullary carcinoma of the thyroid and marfanoid body build with muscle wasting. Syndrome of hyperplasia and neoplasia of neural crest derivatives--an unitarian concept. Gorlin RJ, et al. **Z Kinderheilkd 113:313-25, 1972**

[Surgery of arterial hypertension. (Indications and results)] Auvert J, et al. **J Chir (Paris) 104:195-212, Sep 72 (Fre)**

[A rare cause of sciatalgia: pheochromocytoma of the sacral concavity eroding the sacrum and iliac bone. Arteriographic diagnosis] Pinet A, et al. **J Radiol Electrol Med Nucl 53:851-5, Dec 72 (Eng. Abstr.) (Fre)**

[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al. **Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)**

[Diabetes associated with endocrine diseases] Shima K, et al. **Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)**

[Catecholamine secreting tumors (pheocbromocytoma and ganglioneuroma) associated with neurofibromatosis] Cavalle F, et al. **Rev Clin Esp 128:35-40, 15 Jan 73 (Eng. Abstr.) (Spa)**

DIAGNOSIS

The importance of subtraction in the angiographic evaluation of extraadrenal pheochromocytomas. Reuter SR, et al. **Am J Roentgenol Radium Ther Nucl Med 117:128-31, Jan 73**

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**

The diagnostic evaluation of the hypertensive patient. Bower PJ, et al. **J La State Med Soc 125:43-6, Feb 73**

An orderly search for a vascular lesion producing hypertension. Wall CA, et al. **J Urol 108:511-4, Oct 72**

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al. **Mayo Clin Proc 48:47-9, Jan 73**

Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al. **Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73**

[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al. **Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)**

[Emaciation] Imura H. **Jap J Clin Med 30:2235-42, Nov 72 (Jap)**

[Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases] Miura K, et al. **Jap J Clin Med 30:2204-14, Nov 72 (Jap)**

[Hyperlipemia] Nakamura H. **Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) (Jap)**

DRUG THERAPY

[What is assured in treatment with beta receptor blockaders?] Egidy H von. **Internist (Berlin) 13:481-4, Dec 72 (Ger)**

IMMUNOLOGY

The cancer associated antigen test as an index to failure of complete removal of urological cancers. Wechsler M, et al. **Trans Am Assoc Genitourin Surg 64:85-7, 1972**

METABOLISM

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. **Arch Dis Child 48:137-42, Feb 73**

PATHOLOGY

Extra-adrenal epinephrine-producing pheochromocytoma with fatal shock. Sobonya RE, et

al.
Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73
Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73
Multiple mucosal neuromas, pheochromocytoma, medullary carcinoma of the thyroid and marfanoid body build with muscle wasting. Syndrome of hyperplasia and neoplasia of neural crest derivatives--an unitarian concept. Gorlin RJ, et al.
Z Kinderheilkd 113:313-25, 1972
[Successive bilateral pheochromocytoma associated with Von Hippel Lindau disease] Lena A, et al.
Nouv Presse Med 2:81-6, 13 Jan 73 (Eng. Abstr.) (Fre)

SURGERY

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73
Comparison of biochemical and pharmacological testing for pheochromocytoma. White LW, et al.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73
[Alpha-blocking and antiarrhythmic effects of droperidol--neuroleptoanesthesia for pheochromocytoma] Morikawa S, et al.
Jap J Anesthesiol 21:1268-74, Nov 72 (Eng. Abstr.) (Jap)
[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al.
Stud Cercet Endocrinol 23:377-88, 1972 (Rum)

URINE

Phaeochromocytoma in childhood: report of 3 cases. Robinson MJ, et al. Arch Dis Child 48:137-42, Feb 73
Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al.
J Clin Endocrinol Metab 36:766-9, Apr 73

VANILMANDELIC ACID

URINE

Pathophysiological aspects of catecholamine production. Von Euler US.
Clin Chem 18:1445-8, Dec 72 (26 ref.)
Circadian patterns of urine 17-OHC and VMA excretion during sleep deprivation. Poland RE, et al.
Dis Nerv Syst 33:456-8, Jul 72
Pseudopheochromocytoma after self-administered isoproterenol. Lurvey A, et al.
J Clin Endocrinol Metab 36:766-9, Apr 73

1. Physical and Functional Aspects

GONADS

Dominance hierarchy in squirrel monkeys (Saimiri sciureus). Role of the gonads and androgen on genital display and feeding order. Green R, et al.
Folia Primatol (Basel) 18:185-95, 1972

ABNORMALITIES

[Mutant for sterility with delayed effect in Drosophila melanogaster] Thierry-Mieg D, et al.
C R Acad Sci [D] (Paris) 275:2751-4, 6 Dec 72 (Fre)

ANALYSIS

Organochlorine pesticides in the tissues of the great barracuda (Sphyraena barracuda) (Waldbaum). Deichmann WB, et al. **Arch Toxikol 29:287-309, 1972**
Influence of light on the metabolism of 14 C labelled valine in male and female broilers. Eiler H, et al.
Poult Sci 51:1342-5, Jul 72

ANATOMY & HISTOLOGY

Effect of photoperiod on thyroid function of spotted munia, Lonchura punctulata. Chancola A, et al.
Gen Comp Endocrinol 20:214-7, Feb 73
Effects of restricted photoperiod and melatonin administration of gonadal weight in the Japanese killifish. Urasaki H. **J Endocrinol 55:619-20, Dec 72**

CYTOLOGY

Low chromosome number and post-reductional XO in Gelus californicus (LEC.) (Coleoptera: Curculionidae). Ennis TJ.
Can J Genet Cytol 15:851-7, Dec 72
Karyological relationships in turtles (Reptilia: Chelonia). Stock AD.
Can J Genet Cytol 15:859-68, Dec 72

DRUG EFFECTS

Effects of restricted photoperiod and melatonin administration of gonadal weight in the Japanese killifish. Urasaki H. **J Endocrinol 55:619-20, Dec 72**
Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH.
Proc Soc Exp Biol Med 142:390-4, Feb 73
[Effect of boric acid on the sexual function in males] Tarasenko NIu, et al.
Gig Tr Prof Zabol 16:13-6, Nov 72 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Abnormal sex determination and differentiation in man. Boczkowski K. **Obstet Gynecol 41:310-4, Feb 73**
[Use of an agar culture medium for experiments on tritiated thymidine incorporation into chicken embryonal gonads] Gasc JM, et al.
C R Acad Sci [D] (Paris) 275:113-6, 3 Jul 72 (Fre)

ENZYMOLOGY

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

GROWTH & DEVELOPMENT

The significance of white-crowned sparrow song. Petrinovich L, et al. **Behav Biol 7:795-803, Dec 72**
[Growth anomalies (including dwarfism)] Okada Y.
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)

IMMUNOLOGY

[Occurrence of hemagglutinins (antiH and anti-B) in fresh water perch (Perca fluviatilis)] Schenkel-Brunner H, et al.
Experientia 28:1479, 15 Dec 72 (Eng. Abstr.) (Ger)

METABOLISM

Cylic AMP. A mediator of hormone response and its clinical application. Murad F.
Va Med Mon 99:1197-201, Nov 72
[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

PATHOLOGY

An invasive epithelial neoplasm in a Pacific oyster, Crassotrea gigas. Pauley GB, et al.
J Natl Cancer Inst 49:897-902, Sep 72
[Structure of sexual gland rudiments in gonadal dysgenesis and problem of the classification of these disorders of the sexual system] Bresler VM.
Arkh Patol 35:66-72, 1973 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Nucleic acid and protein content in the pars distalis of the pituitary and hypothalamus of the frog, Rana esculenta: effects of gonadectomy and captivity. Rastogi RK, et al. **J Endocrinol 55:471-7, Dec 72**
[Occurrence of hemagglutinins (antiH and anti-B) in fresh water perch (Perca fluviatilis)] Schenkel-Brunner H, et al.
Experientia 28:1479, 15 Dec 72 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Gender differences. **Lancet 1:411-2, 24 Feb 73**
[Endocrinological functional diagnostics in medical practice] Husmann F, et al.
Z Allgemeinmed 48:1389-92, 31 Oct 72 (Ger)

RADIATION EFFECTS

A method for the calculation of dose in the radiation treatment of Hodgkin's disease. Cundiff JH, et al.
Am J Roentgenol Radium Ther Nucl Med 117:30-44, Jan 73
Long survivals in acute leukaemia. Till MM, et al.
Lancet 1:534-8, 10 Mar 73

SURGERY

[Hormonal cytology in cases of testicular feminization

syndrome] Boczkowski K, et al.
Ginekol Pol 44:51-4, Jan 73 (Eng. Abstr.) (Pol)
[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al.
Stud Cercet Endocrinol 23:377-88, 1972 (Rum)

TRANSPLANTATION

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgen glands before the casting of first external sex differentiation] Ginsburger-Vogel T.
C R Acad Sci [D] (Paris) 274:3606-9, 26 Jun 72 (Fre)

Ovary

CORPUS LUTEUM

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat 136:235-49, Feb 73**

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al. **Biol Reprod 7:223-30, Oct 72**

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. **Recent Prog Horm Res 28:471-526, 1972**

ANALYSIS

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat 136:235-49, Feb 73**

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al. **Biol Reprod 7:223-30, Oct 72**

Pituitary control of the ovine corpus luteum. Denamur R, et al. **J Reprod Fertil 32:207-20, Feb 73**

Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation. Hoffman DC, et al. **J Reprod Fertil 32:267-75, Feb 73**

ANATOMY & HISTOLOGY

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

Clinical observations on reproduction in a pony stud. Arthur GH, et al. **Equine Vet J 4:109-17, Jul 72 (23 ref.)**

Effect of feed level and parity on ovulation rate in three genetic groups of swine. Clark JR, et al. **J Anim Sci 35:1216-22, Dec 72**

Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. Dailey RA, et al. **J Anim Sci 35:1210-5, Dec 72**

Ovarian response to fasting following high and low planes of nutrition in puberal gilts. Edey TN, et al. **J Anim Sci 35:1223-7, Dec 72**

Some effects of unilateral ovariectomy in the postpartum beef cow. England BG, et al. **J Anim Sci 36:45-50, Jan 73**

Determining fetal numbers in pregnant ewes. Hulet CV. **J Anim Sci 36:325-30, Feb 73**

Effects of superovulation and unilateral ovariectomy-hysterectomy on porcine uterine protein secretions. Knight JW, et al. **J Anim Sci 36:61-5, Jan 73**

Corpus luteum maintenance in gilts during hypothalamic suppression with AIMAX. Kraeling RR, et al. **J Anim Sci 36:387-90, Feb 73**

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. **J Anim Sci 35:1228-32, Dec 72**

The ovary of the giraffe. Kayanja FI, et al. **J Reprod Fertil 31:492, Dec 72**

BLOOD SUPPLY

Blood flow to the ovary and corpus luteum at different stages of gestation in the rabbit. Abdul-Karim RW, et al. **Fertil Steril 24:44-7, Jan 73**

CYTOLOGY

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)**

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat 136:235-49, Feb 73**

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. **Am J Vet Res 34:21-6, Jan 73**

The ultrastructure of the corpus luteum of the impala, Aepyceros melampus (Lichtenstein 1812). Kayanja FI. **Anat Anz 132:123-36, 1972**

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. **Biol Reprod 8:87-99, Feb 73**

Purification and properties of a protein kinase from bovine corpus luteum that is stimulated by cyclic adenosine 3',5'-monophosphate and luteinizing hormone. Menon KM. **J Biol Chem 248:494-501, 25 Jan 73**

Chlorcyclizine-induced changes in the ovaries and the uterus of rats. Hruban Z, et al. **J Reprod Fertil 31:463-7, Dec 72**

DRUG EFFECTS

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED. **Acta Obstet Gynecol Scand 52:37-40, 1973**

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. **Am J Vet Res 34:21-6, Jan 73**

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. **Biol Reprod 7:238-46, Oct 72**

Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Lahhsetwar AP. **Biol Reprod 8:103-11, Feb 73**

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod 8:48-57, Feb 73**

Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. **Contraception 6:411-21, Nov 72**

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. **Contraception 5:177-85, Mar 72**

Reversibility of the contraceptive action of copper and zinc in the rat and rabbit. Medel M, et al. **Contraception 6:241-7, Sep 72**

Functional luteolysis in the rhesus monkey; the role of estrogen. Karsch FJ, et al. **Endocrinology 92:1148-52, Apr 73**

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril 23:739-44, Oct 72**

Estrogen-induced human luteolysis. Gore BZ, et al. **J Clin Endocrinol Metab 36:615-7, Mar 73**

Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al. **J Clin Endocrinol Metab 36:784-7, Apr 73**

Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. **J Endocrinol 55:599-607, Dec 72**

Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats. Peng YM, et al. **J Formosan Med Assoc 71:593-7, 28 Sep 72**

The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe. Cerini ME, et al. **J Reprod Fertil 32:324-5, Feb 73**

Observatons on the luteolytic effects of prostaglandin F 2 during the oestrous cycle and early pregnancy in the ewe. Hearnshaw H, et al. **J Reprod Fertil 32:322-3, Feb 73**

Chlorcyclizine-induced changes in the ovaries and the uterus of rats. Hruban Z, et al. **J Reprod Fertil 31:463-7, Dec 72**

Oestradiol-17 and progesterone after induction of

superovulation by PMSG in cattle. Lemon M, et al. **J Reprod Fertil** 31:501-2, Dec 72

Observations on the luteolytic action of prostaglandin F 2 in the ewe. Restall BJ, et al. **J Reprod Fertil** 32:325-6, Feb 73

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. **Prostaglandins** 2:331-49, Nov 72

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. **Prostaglandins** 2:351-67, Nov 72

The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A. **Prostaglandins** 2:417-25, Nov 72

Antifertility properties of a new prostaglandin-ICI 74205. Labbsetwar AP. **Prostaglandins** 2:375-92, Nov 72

Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikb AA. **Prostaglandins** 2:227-33, Sep 72

Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al. **Prostaglandins** 2:199-205, Sep 72

Prostaglandins in luteal function. Pharriss BB, et al. **Recent Prog Horm Res** 28:51-89, 1972

Safety evaluation of fish protein concentrate over five generations of rats. Newberne PM, et al. **Toxicol Appl Pharmacol** 24:133-41, Jan 73

[Effect of prostaglandin F2a upon the corpus luteum of pregnant rats] Tuchmann-Duplessis H, et al. **C R Acad Sci [D] (Paris)** 275:2033-5, 30 Oct 72 (Fre)

[Effect of long-term administration of copper acetate and zinc acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris)** 166:836-9, 1972 (Fre)

[Effect of a single injection of copper acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris)** 166:772-4, 1972 (Fre)

[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al. **Zentralbl Gynaekol** 94:1697-701, 9 Dec 72 (Ger)

EMBRYOLOGY

The ovary of the giraffe. Kayanja FI, et al. **J Reprod Fertil** 31:492, Dec 72

ENZYMOLOGY

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. **Biol Reprod** 8:87-99, Feb 73

Purification and properties of a protein kinase from bovine corpus luteum that is stimulated by cyclic adenosine 3',5'-monophosphate and luteinizing hormone. Menon KM. **J Biol Chem** 248:494-501, 25 Jan 73

GROWTH & DEVELOPMENT

Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats. Peng YM, et al. **J Formosan Med Assoc** 71:593-7, 28 Sep 72

METABOLISM

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. **Biol Reprod** 8:87-99, Feb 73

Estradiol inhibition of ovine luteal progesterone synthesis in vitro. Akbar AM, et al. **J Anim Sci** 35:1206-9, Dec 72

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. **J Reprod Med** 9:271-6, Dec 72

Distribution of tritiated human chorionic gonadotropin in superovulated rat ovary. Ashitaka Y, et al. **Proc Soc Exp Biol Med** 142:395-7, Feb 73

Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al. **Prostaglandins** 2:159-68, Sep 72

PATHOLOGY

Formalin fixation for electron microscopy: a re-evaluation. Carson FL, et al. **Am J Clin Pathol** 59:365-73, Mar 73

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72

PHYSIOLOGY

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh)** 171:3-27, 1972 (108 ref.)

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED. **Acta Obstet Gynecol Scand** 52:37-40, 1973

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat** 136:235-49, Feb 73

Effects of luteectomy and progesterone replacement therapy in early pregnant patients. Csapo AI, et al. **Am J Obstet Gynecol** 115:759-65, 15 Mar 73

Method of endoscopy in the chimpanzee: relations of ovarian anatomy, endometrial histology and sexual swelling. Graham CE, et al. **Am J Phys Anthropol** 38:211-5, Mar 73

The current status of the use of prostaglandins in induced abortion. Cusbner IM. **Am J Public Health** 63:189-90, Mar 73

A polypeptide from oviductal contents which influences ovarian function. Kent HA Jr. **Biol Reprod** 8:38-42, Feb 73

Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Labbsetwar AP. **Biol Reprod** 8:103-11, Feb 73

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. **Biol Reprod** 8:87-99, Feb 73

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. **Biol Reprod** 8:83-6, Feb 73

Corpus luteum maintenance in gilts during hypothalamic suppression with AIMAX. Kraeling RR, et al. **J Anim Sci** 36:387-90, Feb 73

Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. **J Endocrinol** 55:599-607, Dec 72

Luteolysis in the ewe: a study using a radioimmunoassay for prostaglandin F. Cerini JC, et al. **J Reprod Fertil** 32:326-7, Feb 73

The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe. Cerini ME, et al. **J Reprod Fertil** 32:324-5, Feb 73

Pituitary control of the ovine corpus luteum. Denamur R, et al. **J Reprod Fertil** 32:207-20, Feb 73

Ovarian cycle and plasma progesterone levels in the female stoat, mustela erminea. Gulamhusein AP, et al. **J Reprod Fertil** 31:492-3, Dec 72

Role of utero-ovarian vascular connections in local uterine luteolysis in the rat. O'Shea JD, et al. **J Reprod Fertil** 32:327-8, Feb 73

The effects of intra-uterine devices (IUDs) on ovarian function in sheep, with particular reference to the luteal function. Strakosch T, et al. **J Reprod Fertil** 32:324, Feb 73

Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep. Wodzicka-Tomaszewska M, et al. **J Reprod Fertil** 32:323-4, Feb 73

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. **J Reprod Med** 9:361-71, Dec 72

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI. **J Reprod Med** 9:400-12, Dec 72

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. **Prostaglandins** 2:351-67, Nov 72

Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al. **Prostaglandins** 2:159-68, Sep 72

Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al. **Prostaglandins** 2:199-205, Sep 72

Prostaglandins in luteal function. Pharriss BB, et al. **Recent Prog Horm Res** 28:51-89, 1972

SECRETION

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat 136:235-49, Feb 73**

Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep. Wodzicka-Tomaszewska M, et al. **J Reprod Fertil 32:323-4, Feb 73**

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. **Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)**

[Endocrinological environment at the time of implantation] Iizuka R, et al. **Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)**

SURGERY

Effects of luteectomy and progesterone replacement therapy in early pregnant patients. Csapo AI, et al. **Am J Obstet Gynecol 115:759-65, 15 Mar 73**

TRANSPLANTATION

The isolation of corpora lutea as autografts in the rat. Gihori G, et al. **J Reprod Fertil 31:505-6, Dec 72**

GRAAFIAN FOLLICLE

Theca granuloma cell tumor arising in adrenal. Orselli RC, et al. **Cancer 31:474-7, Feb 73**

Human follicular fluid. Shaigi R, et al. **J Reprod Fertil 31:515-6, Dec 72**

ANALYSIS

Chemical composition of rabbit follicular fluid. David A, et al. **Fertil Steril 24:227-9, Mar 73**

Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation. Hoffman DC, et al. **J Reprod Fertil 32:267-75, Feb 73**

ANATOMY & HISTOLOGY

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

Clinical observations on reproduction in a pony stud. Arthur GH, et al. **Equine Vet J 4:109-17, Jul 72 (23 ref.)**

Effect of feed level and parity on ovulation rate in three genetic groups of swine. Clark JR, et al. **J Anim Sci 35:1216-22, Dec 72**

Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. Dalley RA, et al. **J Anim Sci 35:1210-5, Dec 72**

Ovarian response to fasting following high and low planes of nutrition in puberal gilts. Edey TN, et al. **J Anim Sci 35:1223-7, Dec 72**

Some effects of unilateral ovariectomy in the postpartum beef cow. England BG, et al. **J Anim Sci 36:45-50, Jan 73**

BLOOD SUPPLY

Human follicular fluid. Shaigi R, et al. **J Reprod Fertil 31:515-6, Dec 72**

CYTOLOGY

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. **Am J Vet Res 34:21-6, Jan 73**

Time of ovulation in the beagle bitch. Phemister RD, et al. **Biol Reprod 8:74-82, Feb 73**

Effect on EDTA on human cumulus granulosa cells. Dekel N, et al. **Isr J Med Sci 8:2004-7, Dec 72**

Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. Dalley RA, et al. **J Anim Sci 35:1210-5, Dec 72**

Filaments and microtubules in the cytoplasm of the granulosa cells from the human follicle. Schuchner EB, et al. **Protoplasma 76:133-7, 1973**

[In-vitro luteinization of rat granulosa cells: effect of actinomycin D] Bernard J. **C R Soc Biol (Paris) 166:840-3, 1972 (Fre)**

[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M. **C R Soc Biol (Paris) 166:906-8, 1972 (Fre)**

DRUG EFFECTS

Amounts of gonadotrophins required for normal follicular growth in hypophysectomized adult rats. Welschen R. **Acta Endocrinol (Kbh) 72:137-55, Jan 73**

Hormonal factors in human ovulation. Taymor ML, et al. **Am J Obstet Gynecol 114:445-53, 15 Oct 72**

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. **Am J Vet Res 34:21-6, Jan 73**

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

Purification of a human urinary glycoprotein with gastric antisecretory activity. Carrea G, et al. **Biochim Biophys Acta 295:274-82, 25 Jan 73**

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. **Contraception 5:177-85, Mar 72**

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril 23:739-44, Oct 72**

Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis. Jones RE, et al. **Gen Comp Endocrinol 20:190-8, Feb 73**

Effect on EDTA on human cumulus granulosa cells. Dekel N, et al. **Isr J Med Sci 8:2004-7, Dec 72**

Ovarian changes during progestogen amenorrhoea. el-Mahgouh S, et al. **J Obstet Gynaecol Br Commonw 79:841-5, Sep 72**

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K. **J Reprod Fertil 31:387-97, Dec 72**

[In-vitro luteinization of rat granulosa cells: effect of actinomycin D] Bernard J. **C R Soc Biol (Paris) 166:840-3, 1972 (Fre)**

[Effect of LH on the metabolism of isolated perfused human ovaries] Stähler E, et al. **Arch Gynaekol 213:162-75, 1972 (Eng. Abstr.) (Ger)**

GROWTH & DEVELOPMENT

Follicle response to exogenous gonadotropins: an estrogen-mediated phenomenon. Goldenberg RL, et al. **Fertil Steril 24:121-5, Feb 73**

Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis. Jones RE, et al. **Gen Comp Endocrinol 20:190-8, Feb 73**

Effect of feed level and parity on ovulation rate in three genetic groups of swine. Clark JR, et al. **J Anim Sci 35:1216-22, Dec 72**

Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. Dalley RA, et al. **J Anim Sci 35:1210-5, Dec 72**

Ovarian response to fasting following high and low planes of nutrition in puberal gilts. Edey TN, et al. **J Anim Sci 35:1223-7, Dec 72**

[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K. **J Reprod Fertil 31:387-97, Dec 72**

Genetic differences in the number of germinal cells during oogenesis and in the establishment of folliculogenesis in the rat. Maulĕon P. **J Reprod Fertil 31:511-2, Dec 72**

[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M. **C R Soc Biol (Paris) 166:906-8, 1972 (Fre)**

PATHOLOGY

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril 23:739-44, Oct 72**

PHYSIOLOGY

Follicular development and ovulation in Macaca fascicularis, Saimiri sciureus and Galago senegalensis. Dukelow WR, et al.
Am J Phys Anthropol 38:207-9, Mar 73

Time of ovulation in the beagle bitch. Phemister RD, et al. Biol Reprod 8:74-82, Feb 73

Meiosis of ova from polyovular (C58-J) and polycystic (C57 L-J) strains of mice. Jagiello G, et al. Fertil Steril 24:10-4, Jan 73

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al.
C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)

SECRETION

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

SURGERY

Oocyte recovery from the human ovary. Morgenstern LL, et al. Fertil Steril 23:751-8, Oct 72

OVARY

Surgical aspects and results of laparotomy and splenectomy in Hodgkin's disease. Paglia MA, et al.
Am J Roentgenol Radium Ther Nucl Med 117:12-8, Jan 73

The hormonal and antifertility activity of 2,6-cis diphenylhexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. Biol Reprod 7:260-6, Oct 72

Implantation of blastocysts labeled with (3 H) uridine into the uterus of gonadotropin-treated pseudopregnant prepubertal rats. Sanyal MK, et al.
Biol Reprod 7:207-10, Oct 72

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al.
Biol Reprod 7:223-30, Oct 72

Effects of progesterone and estrogen on the fate of blastocysts in ovariectomized pregnant ferrets: a preliminary study. Wu JT, et al.
Biol Reprod 7:231-7, Oct 72

Control of proliferation in two cell lines in vitro. Chan PC, et al. Biophysik 9:70-84, 1972

Interactions between S and G1 cells. Effects on decay of synchrony. Dewey WC, et al.
Exp Cell Res 77:73-8, 15 Mar 73

Genetic regulation of membrane function in mammalian cells in culture. Till JE, et al.
Fed Proc 32:29-33, Jan 73 (31 ref.)

Evidence for pleiotropic changes in lines of Chinese hamster ovary cells resistant to concanavalin A and phytohemagglutinin-P. Wright JA.
J Cell Biol 56:666-75, Mar 73

Sulfhydryl groups during the S phase: comparison of cells from G 1 , plateau-phase G 1 , and G 0 . Harris JW, et al. J Cell Physiol 81:91-5, Feb 73

Azaguanine resistant hamster cell lines not deficient in hypoxanthine-guanine phosphoribosyl transferase. Morrow J, et al. J Cell Physiol 81:97-100, Feb 73

On the selection for the modal chromosome number in Chinese hamster cells. Terzi M.
J Cell Physiol 80:359-65, Dec 72

Environmental influences in fertilization in vitro of periovarian and oviducal rabbit ova. Harrison RM, et al. J Reprod Fertil 31:483-6, Dec 72

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al.
Neuroendocrinology 11:229-39, 1973

[New data on mechanisms involved in the early mating induced by estrogens in female rats during 4 day cycles] Vidal N, et al.
C R Soc Biol (Paris) 166:683-6, 1972 (Fre)

[Effect of bilateral ovariectomy upon electric activity of the myometrium in pregnant rats] Clabaut M.
J Physiol (Paris) 65:Suppl:219A-220, Oct 72 (Fre)

[Early effects of a progestative treatment on the electric activity and contractility of the myometrium after bilateral ovariectomy in pregnant rats] Lafaye A. J Physiol (Paris) 65:Suppl:252A, Oct 72 (Fre)

[Hydrocolpotomy and hydroculdoscopy] Odent M.
Nouv Presse Med 2:187, 20 Jan 73 (Fre)

[Regulatory action of estrogen and progesterone in DNA synthesis of the endometrium] Kakita M.
Folia Endocrinol Jap 49:17-31, 20 Jan 73 (Eng. Abstr.) (Jap)

ABNORMALITIES

The embryology of supernumerary ovaries. Printz JL, et al. Obstet Gynecol 41:246-52, Feb 73

[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M.
C R Soc Biol (Paris) 166:906-8, 1972 (Fre)

ANALYSIS

Evidence for local renin formation in the rabbit oviduct. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 80:743-50, 1972

Histochemical observations on the degenerating eggs and interstitial gland cells of the ovary of Branchiostoma. Guraya SS.
Gen Comp Endocrinol 19:582-6, Dec 72

Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation. Hoffman DC, et al.
J Reprod Fertil 32:267-75, Feb 73

A study of the in-vivo incorporation of tritiated uridine by the reproductive tract of the rabbit doe following injection of human chorionic gonadotrophin. O'Shea T. J Reprod Fertil 32:345-6, Feb 73

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 108:9-18, Sep 72

ANATOMY & HISTOLOGY

Pacinian corpuscles in pelvic urogenital organs and outside abdominal lymph glands of the cat. Shehata R.
Acta Anat (Basel) 83:127-38, 1972

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al.
Contraception 5:177-85, Mar 72

Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Schuchner EB, et al. Fertil Steril 24:107-15, Feb 73

Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis. Jones RE, et al. Gen Comp Endocrinol 20:190-8, Feb 73

Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites. Archbold TJ, et al.
J Anim Sci 36:57-60, Jan 73

Evaluation of carboxymethylcellulose as an injectable carrier for follicle stimulating hormone. Johnson CL, et al. J Anim Sci 36:375-9, Feb 73

Ovarian composition and aspects of the reproductive physiology of Venezuelan white-tailed deer (Odocoileus virginianus gymnotis). Brokx PA.
J Mammal 53:760-73, Nov 72

Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72

The ovary of the giraffe. Kayanja FI, et al.
J Reprod Fertil 31:492, Dec 72

Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. Metabolism 22:435-42, Mar 73

[Influence of feeding upon the number of ovarian tubes in drosophila] Thomas-Orillard M.
Ann Genet (Paris) 15:177-82, Sep 72 (Eng. Abstr.) (Fre)

BLOOD SUPPLY

Coordinate topographic recordings in the abdomen. The ovarian artery as an indicator of the expansion of the uterus in pregnancy. Ohlson L.
Acta Radiol [Diagn] (Stockh) 12:705-20, Nov 72

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al.
Am J Obstet Gynecol 113:678-80, 1 Jul 72

Blood flow to the ovary and corpus luteum at different stages of gestation in the rabbit. Abdul-Karim RW, et al. Fertil Steril 24:44-7, Jan 73

Initiation of parturition in the rabbit by intra-aortic infusion of prostaglandin F 2 . Nathanielsz PW, et al.
J Endocrinol 55:617-8, Dec 72

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. J Reprod Med 9:361-71, Dec 72
Prostaglandins and reproduction. Kirton KT, et al. J Reprod Med 9:266-70, Dec 72 (30 ref.)

CYTOLOGY

Interstitial gland tissue of mammalian ovary. Guraya SS. Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)
Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73
The effect of inhibitors of RNA and protein synthesis on dibutyryl cyclic AMP mediated morphological transformations of Chinese hamster ovary cells in vitro. Patterson D, et al. Biochem Biophys Res Commun 50:566-73, 23 Jan 73
Hormone-treated CHO cells exit the cell cycle in the G2 phase. Remington JA, et al. Biochem Biophys Res Commun 50:140-6, 4 Jan 73
A polypeptide from oviductal contents which influences ovarian function. Kent HA Jr. Biol Reprod 8:38-42, Feb 73
Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Schuchner EB, et al. Fertil Steril 24:107-15, Feb 73
Histochemical observations on the degenerating eggs and interstitial gland cells of the ovary of Branchiostoma. Guraya SS. Gen Comp Endocrinol 19:582-6, Dec 72
Radiocytogenetic studies with Californium-252. Bushong SC, et al. Int J Radiat Biol 23:105-12, Feb 73
The role of the Golgi complex in sulfate metabolism. Young RW. J Cell Biol 57:175-89, Apr 73
Release of amplified ribosomal DNA from the chromomeres of Acheta. Lima-De-Faria A, et al. Proc Natl Acad Sci USA 70:80-3, Jan 73
Studies of the fine structure of ovarian interstitial tissue. 7. The postnatal evolution of the thecal gland in the domestic fowl. Dahl E. Z Zellforsch Mikrosk Anat 135:553-61, 1972
Histochemical demonstration of delta 5 -3 -OHD activity in the granulosa cells of ovarian follicles of immature and mature mice correlated with some ultrastructural observations. Hadjioloff AI, et al. Z Zellforsch Mikrosk Anat 136:215-28, 1973
[Electronmicroscopic studies on the embryonic and postembryonic genesis of the interstitial cells of the hen's ovary] Budras KD, et al. Z Zellforsch Mikrosk Anat 136:59-83, 1973 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Griffiths EC, et al. Acta Endocrinol (Kbh) 72:9-17, Jan 73
Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metabolism in the immature rat ovary. Hamherger L, et al. Acta Endocrinol (Kbh) 72:425-37, Mar 73
The kinetics of the pituitary-gonadal system of aihino rats during steroid treatment. Nishikawa Y. Acta Obstet Gynaecol Jap 19:1-15, Jan 72
Induction of ovulation in rahbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-6, 15 Mar 73
Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73
The effect of inhibitors of RNA and protein synthesis on dibutyryl cyclic AMP mediated morphological transformations of Chinese hamster ovary cells in vitro. Patterson D, et al. Biochem Biophys Res Commun 50:566-73, 23 Jan 73
Hormone-treated CHO cells exit the cell cycle in the G2 phase. Remington JA, et al. Biochem Biophys Res Commun 50:140-6, 4 Jan 73
Mechanism of action of 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide in mammalian cells in culture. Gerulath AH, et al. Biochem Pharmacol 21:2335-43, 1 Sep 72
The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. Biol Reprod 7:238-46, Oct 72
A polypeptide from oviductal contents which influences ovarian function. Kent HA Jr. Biol Reprod 8:38-42, Feb 73
The effects of some progestational steroids on pubertal ovulation in the rat. Boris A, et al. Contraception 5:57-64, Jan 72
Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. Contraception 5:489-95, Jun 72
The long-term use of injectable norethisterone enanthate as a contraceptive. el-Mahgoub S, et al. Contraception 5:21-9, Jan 72
Ovarian morphology after prolonged use of steroid contraceptive agents. Maqueo M, et al. Contraception 5:177-85, Mar 72
Stimulation of lactic acid production in vitro from prepubertal rat ovaries by gonadotropins and their subunits. Farmer SW, et al. Endocrinology 92:1022-7, Apr 73
Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Schwartz NB, et al. Endocrinology 92:1165-74, Apr 73
Follicle response to exogenous gonadotropins: an estrogen-mediated phenomenon. Goldenherg RL, et al. Fertil Steril 24:121-5, Feb 73
Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. Fertil Steril 23:739-44, Oct 72
Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemherg F, et al. Fertil Steril 24:185-90, Mar 73
LSD and cyanotic congenital heart disease. Pilapil VR, et al. J Am Med Wom Assoc 28:131-2, Mar 73
Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metaholites. Archbold TJ, et al. J Anim Sci 36:57-60, Jan 73
Evaluation of carhoxymethylcellulose as an injectable carrier for follicle stimulating hormone. Johnson CL, et al. J Anim Sci 36:375-9, Feb 73
Effects of early weaning and exogenous hormone treatment on hovine postpartum reproduction. Smith LE Jr, et al. J Anim Sci 35:1228-32, Dec 72
Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. Uilenhroek JT, et al. J Endocrinol 55:533-41, Dec 72
Ovarian changes during progestogen amenorrhoea. el-Mahgouh S, et al. J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
"Immunosuppressive" treatment of "chronic glomerulonephritis". Kallen RJ, et al. J Pediatr 82:335-9, Feb 73 (45 ref.)
The response of the reproductive system in the female mutant mouse, obese (genotype obob) to gonadotrophin-releasing hormones. Batt RA. J Reprod Fertil 31:496-7, Dec 72
Chlorcyclizine-induced changes in the ovaries and the uterus of rats. Hruban Z, et al. J Reprod Fertil 31:463-7, Dec 72
[Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] Imai K. J Reprod Fertil 31:387-97, Dec 72
Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72
The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y. Kobe J Med Sci 18:109-31, Jun 72
Presence of an antigonadotropic substance in rat pineal incubation media. Benson B, et al. Life Sci [I] 11:669-77, 15 Jul 72
Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. Life Sci [I] 11:623-30, 1 Jul 72
Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique. Falvo RE, et al. Neuroendocrinology 10:229-34, 1972
Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH. Proc Soc Exp Biol Med 142:390-4, Feb 73
Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. Prostaglandins 2:331-49, Nov 72
Prostaglandins in luteal function. Pharriss BB, et al. Recent Prog Horm Res 28:51-89, 1972

Inhibition of unilateral ovarian compensatory hypertrophy in the rat by ingestion of aspirin. Goldman M, et al.
Toxicol Appl Pharmacol 24:159-61, Jan 73

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al.
Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)

[Morphological changes in the vagina, ovary and hypophysis in experimental animals under the effect of sistocycline] Takeva Ts, et al.
Akush Ginekol (Sofiia) 11:409-14, 1972 (Eng. Abstr.) (Bul)

[Iota virus of Drosophila immigrans studied in D. melanogaster: CO 2 sensitivity symptom, description of abnromalities induced in the host] Jousset FX.
Ann Inst Pasteur (Paris) 123:275-88, Aug 72 (Eng. Abstr.) (Fre)

[In-vitro luteinization of rat granulosa cells: effect of actinomycin D] Bernard J.
C R Soc Biol (Paris) 166:840-3, 1972 (Fre)

[Effect of long-term administration of copper acetate and zinc acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris) 166:836-9, 1972 (Fre)**

[Effect of a single injection of copper acetate on ovarian function in rats] Marois M, et al.
C R Soc Biol (Paris) 166:772-4, 1972 (Fre)

[Cerebrovascular accident during treatment with gonadotropins] Humbert G, et al.
Nouv Presse Med 2:28-30, 6 Jan 73 (Fre)

[Effect of LH on the metabolism of isolated perfused human ovaries] Stähler E, et al.
Arch Gynaekol 213:162-75, 1972 (Eng. Abstr.) (Ger)

[Corticosteroid fractions of ovaries in intact and NH4Cl-treated rabbits with special reference to seasonal changes] Fazekas IG, et al.
Endokrinologie 60:181-93, 1972 (Eng. Abstr.) (Ger)

[Stimulation of the generative function of the ovary by drug therapy] Sas M.
Orv Hetil 114:483-9, 4 Mar 73 (Hun)

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

[The effect of nihufin on reproductive function and the contraceptive effect of hormonal preparations] Poskalenko AN, et al.
Farmakol Toksikol 35:638-40, Sep-Oct 72 (Rus)

EMBRYOLOGY

Sex difference in development of fetal pituitary-gonadal axis: histologic observations on the anterior pituitary in fetal rats gonadectomized in utero. Nakai T, et al. **Endocrinol Jap 19:483-7, Oct 72**

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72

The embryology of supernumerary ovaries. Printz JL, et al. **Obstet Gynecol 41:246-52, Feb 73**

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)

[Effect of different incubation temperatures on somatic and sexual development of green lizard embryos (Lacerta viridis Laur.)] Raynaud A, et al.
C R Acad Sci [D] (Paris) 275:2259-62, 13 Nov 72 (Fre)

[Electronmicroscopic studies on the embryonic and postembryonic genesis of the interstitial cells of the hen's ovary] Budras KD, et al.
Z Zellforsch Mikrosk Anat 136:59-83, 1973 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Comparative electrophoresis of tissues from blueback herring Alosa aestivalis (Mitchill) and gaspareau, Alosa pseudoharengus (Wilson). McKenzie JA.
Comp Biochem Physiol [B] 44:65-8, 15 Jan 73

Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Schuchner EB, et al. **Fertil Steril 24:107-15, Feb 73**

Metabolism of 3 H-digitoxigenin by rat liver, adrenal, and ovary homogenates. Talcott RE, et al.
Steroids 21:87-94, Jan 73

Histochemical demonstration of delta 5-3-OHD activity in the granulosa cells of ovarian follicles of immature and mature mice correlated with some ultrastructural observations. Hadjioloff AI, et al.
Z Zellforsch Mikrosk Anat 136:215-28, 1973

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)

[Effect of LH on the metabolism of isolated perfused human ovaries] Stähler E, et al.
Arch Gynaekol 213:162-75, 1972 (Eng. Abstr.) (Ger)

[Cholinesterase in menstrual disorders] Stojanov S.
Zentralbl Gynaekol 94:1830-3, 30 Dec 72 (Ger)

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

GROWTH & DEVELOPMENT

Hormone-treated CHO cells exit the cell cycle in the G2 phase. Remington JA, et al.
Biochem Biophys Res Commun 50:140-6, 4 Jan 73

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ.
Experientia 28:1492-3, 15 Dec 72

Recovery of gonadal function following hypothalamic lesions in Japanese quail. Stetson MH.
Gen Comp Endocrinol 20:76-85, Feb 73

The effect of age, nutritional factors, and gonadal development of the mating behaviour of the face fly, Musca autumnalis. Chaudhury MF, et al.
J Insect Physiol 19:57-64, Jan 73

Studies of the fine structure of ovarian interstitial tissue. 7. The postnatal evolution of the thecal gland in the domestic fowl. Dahl E.
Z Zellforsch Mikrosk Anat 135:553-61, 1972

[Influence of feeding upon the number of ovarian tubes in drosophila] Thomas-Orillard M.
Ann Genet (Paris) 15:177-82, Sep 72 (Eng. Abstr.) (Fre)

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

[Electronmicroscopic studies on the embryonic and postembryonic genesis of the interstitial cells of the hen's ovary] Budras KD, et al.
Z Zellforsch Mikrosk Anat 136:59-83, 1973 (Eng. Abstr.) (Ger)

INNERVATION

[Adrenergic innervation of the ovaries in white rats] Soszka S, et al.
Ginekol Pol 44:17-24, Jan 73 (Eng. Abstr.) (Pol)

METABOLISM

Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metabolism in the immature rat ovary. Hamberger L, et al.
Acta Endocrinol (Khh) 72:425-37, Mar 73

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Khh) 171:3-27, 1972 (108 ref.)

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72

Amphibian ribosomal ribonucleic acids. Rogers ME, et al. **Biochem J 130:281-8, Nov 72**

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al.
Biol Reprod 8:43-7 Feb 73

Influence of the fornix section on the biosynthesis of ovarian steroids in the rabbit. Kawakami M, et al.
Endocrinol Jap 19:429-33, Oct 72

Stimulation of lactic acid production in vitro from

prepuhertal rat ovaries hy gonadotropins and their suhunits. Farmer SW, et al.
Endocrinology 92:1022-7, Apr 73

Testosterone uptake hy the urogenital tract of the rahhit emhryo. Wilson JD.
Endocrinology 92:1192-9, Apr 73

Developmental pattern of testosterone synthesis in the fetal gonad of the rahhit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73

Distrihution and hinding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al.
Fertil Steril 24:126-30, Feh 73

Steroid hiosynthesis hy testes and ovaries of 15-day-old chick emhryos. Gaili F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72

Sites of formation of the serum proteins transferrin and hemopexin. Thorhecke GJ, et al.
J Clin Invest 52:725-31, Mar 73

Distrihution of 9-H 3 -prostaglandin F 2 in pregnant and non-pregnant suhjects. Beazley JM, et al.
J Obstet Gynaecol Br Commonw 79:800-3, Sep 72

The prostaglandins: hiology and hiochemistry. Hinman JW, et al. **J Reprod Med** 9:262-5, Dec 72

Synthesis of prostaglandin F 2 hy the ovary and uterus. Wilks JW, et al. **J Reprod Med** 9:271-6, Dec 72

A transport mechanism of mercury into ovarian follicles in laying quail. Nishimura M, et al.
Jap J Pharmacol 22:605-16, Oct 72

Ascarosides of the ovaries and eggs of Ascaris lumhricoides (Nematoda). Tarr GE, et al.
Lipids 8:7-16, Jan 73

Role of the limhic-hypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats. Kawakami M, et al. **Med J Osaka Univ** 23:57-75, Sep 72

Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein hinding technique. Falvo RE, et al. **Neuroendocrinology** 10:229-34, 1972

Diagnosis and treatment of hirsutism in women. Karp L, et al. **Obstet Gynecol** 41:283-94, Feh 73 (44 ref.)

Release of amplified rihosomal DNA from the chromomeres of Acheta. Lima-De-Faria A, et al.
Proc Natl Acad Sci USA 70:80-3, Jan 73

Distrihution of tritiated human chorionic gonadotropin in superovulated rat ovary. Ashitaka Y, et al.
Proc Soc Exp Biol Med 142:395-7, Feh 73

Tissue distrihution of radioiodinated human growth hormone in the mouse. Mizejewski GJ.
Proc Soc Exp Biol Med 142:589-94, Feh 73

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens hy the follicular and stromal compartments of human ovaries. Patwardhan VV, et al.
Steroids 20:761-71, Dec 72

Metaholism of 3 H-digitoxigenin hy rat liver, adrenal, and ovary homogenates. Talcott RE, et al.
Steroids 21:87-94, Jan 73

[Pterins from Pieridae (lepidoptera) and their hiosynthesis. II. Synthesis and transport of isoxanthopterin during nymphal and adult life in Pieris hrassicae] Lafont R.
Biochimie 54:73-81, 1972 (Eng. Ahstr.) **(Fre)**

[Comparative aspect of the synthesis of sex steroids hy chick emhryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feh 73 (Eng. Ahstr.) **(Fre)**

[Effect of LH on the metaholism of isolated perfused human ovaries] Stähler E, et al.
Arch Gynaekol 213:162-75, 1972 (Eng. Abstr.) **(Ger)**

[Corticosteroid fractions of ovaries in intact and NH4Cl-treated rahhits with special reference to seasonal changes] Fazekas IG, et al.
Endokrinologie 60:181-93, 1972 (Eng. Ahstr.) **(Ger)**

[HCG-receptor of the ovary] Mori H, et al.
Clin Endocrinol (Tokyo) 20:1081-4, Dec 72 **(Jap)**

[Experimental studies on the mechanism of human chorionic gonadotropin in the rahhit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Ahstr.) **(Jap)**

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) **(Rus)**

PATHOLOGY

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone hinding in plasma. Wolff E, et al.
Am J Med 54:229-33, Feh 73

Endometrioid tumor of the ovary with mucinous and serous components. Anderson MC.
Am J Obstet Gynecol 113:686-90, 1 Jul 72

Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Fine G, et al.
Cancer 31:398-410, Feh 73

The long-term use of injectahle norethisterone enanthate as a contraceptive. el-Mahgouh S, et al.
Contraception 5:21-9, Jan 72

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al.
Contraception 5:177-85, Mar 72

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72

Arrhenohlastoma in a 12-year-old girl. Brant J.
Int Surg 58:135-7, Feh 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. **J Obstet Gynaecol Br Commonw** 79:846-8, Sep 72

Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72

Cutaneous meningiomas and an ovarian fihroma in a three-year-old girl. Junaid TA, et al.
J Pathol 108:165-7, Oct 72

Paternal transmission of maleness in XX human heings. Kasdan R, et al. **N Engl J Med** 288:539-45, 15 Mar 73

The emhryology of supernumerary ovaries. Printz JL, et al. **Obstet Gynecol** 41:246-52, Feh 73

[2 thecal tumors of the ovary] Lagadec JC, et al.
Rev Fr Gynecol Obstet 67:533-6, Oct 72 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The effects of ovarian steroids on food and water intake and hody weight in the female rat. Tarttelin MF, et al.
Acta Endocrinol (Kbh) 72:551-68, Mar 73

The effect of an oestrogenic steroid on the secondary immune response under different hormonal environments. Thanavala YM, et al.
Acta Endocrinol (Kbh) 72:582-6, Mar 73

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)

Transplantahle hreast tumours in rats. Studies on hormone response. Sander S, et al.
Acta Pathol Microbiol Scand [A] 81:91-4, Jan 73

The effects of estrogen and progesterone on the hlood levels of glucose, non-esterified fatty acids and cholesterol in ovariectomized sheep. Luthman J, et al.
Acta Vet Scand 13:242-50, 1972

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

The influence of target sex and dominance on evoked attack in Rhesus monkeys. Alexander M, et al.
Am J Phys Anthropol 38:543-7, Mar 73

Method of endoscopy in the chimpanzee: relations of ovarian anatomy, endometrial histology and sexual swelling. Graham CE, et al.
Am J Phys Anthropol 38:211-5, Mar 73

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al.
Biochem Biophys Res Commun 50:866-71, 5 Feh 73

Uterine glycogen metaholism of the rat in early pregnancy. Demers LM, et al.
Biol Reprod 7:297-304, Oct 72

A polypeptide from oviductal contents which influences ovarian function. Kent HA Jr.
Biol Reprod 8:38-42, Feh 73

Time of ovulation in the heagle hitch. Phemister RD, et al. **Biol Reprod** 8:74-82, Feh 73

Hair replacement in the guinea-pig and in man. Jackson D. **Br J Dermatol** 87:509-11, Nov 72 (27 ref.)

The nature of estrogen and prolactin effect on mammary tumorigenesis. Sinha D, et al.
Cancer Res 33:411-4, Feh 73

Role of hormonal environment, partial hepatectomy, and dose of ethylnitrosourea in renal carcinogenesis. Vesselinovitch SD, et al. **Cancer Res** 33:339-41, Feh 73

Action of an estradiol-17heta antagonist in intact,

ovariectomized, hypophysectomized and hypophysectomized-ovariectomized rats. DiPasquale G, et al. Contraception 5:39-51, Jan 72

Blastocystotoxic effect of copper in vitro. Noesiund G. Contraception 6:281-5, Oct 72

Radioimmunoassay of serum progesterone in women receiving oral contraceptive steroids. Thorneycroft IH, et al. Contraception 5:129-46, Feb 72

Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al. Dan Med Bull 19:246-58, Dec 72

Direct action of synthetic progestins on the hypophysis. Baker BL, et al. Endocrinology 92:965-72, Apr 73

Effects of vaginal stimulation and pituitary hormones on sleep patterns in the female rabbit. Dufy B, et al. Endocrinology 92:1293-5, Apr 73

Progesterone "receptor" in rabbit uterus. I. Characterization and estradiol-17beta augmentation. Rao BR, et al. Endocrinology 92:1229-40, Apr 73

Effect of clomiphene citrate and its isomers on sexual behavior in ovariectomized rats. Ross JW, et al. Endocrinology 92:1079-83, Apr 73

The effect of oestradiol benzoate on body, uterine, pituitary and adrenal weights in ovariectomized infantile and mature rats. Ber A. Endokrinologie 60:218-29, 1972

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Tallián F, et al. Endokrinologie 60:279-84, 1972

Clinical observations on reproduction in a pony stud. Arthur GH, et al. Equine Vet J 4:109-17, Jul 72 (23 ref.)

Twenty-eighth annual meeting of the American Fertility Society. Schneider D. Fed Proc 32:123-9, Feb 73

Effect of intrauterine copper on the uptake of estradiol-C 14 by rat tissues. Adadevoh BK, et al. Fertil Steril 24:54-9, Jan 73

Meiosis of ova from polyovular (C58-J) and polycystic (C57 L-J) strains of mice. Jagiello G, et al. Fertil Steril 24:10-4, Jan 73

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al. Gen Comp Endocrinol 20:144-9, Feb 73

Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al. Gen Comp Endocrinol 20:61-8, Feb 73

The regulation of ovary function in Cirratulus cirratus (polychaeta). Olive PJ. Gen Comp Endocrinol 20:1-15, Feb 73

Recovery of gonadal function following hypothalamic lesions in Japanese quail. Stetson MH. Gen Comp Endocrinol 20:76-85, Feb 73

Ovarian response to fasting following high and low planes of nutrition in puberal gilts. Edey TN, et al. J Anim Sci 35:1223-7, Dec 72

Some effects of unilateral ovariectomy in the postpartum beef cow. England BG, et al. J Anim Sci 36:45-50, Jan 73

Effects of superovulation and unilateral ovariectomy-hysterectomy on porcine uterine protein secretions. Knight JW, et al. J Anim Sci 36:61-5, Jan 73

Cyclical ovarian function in women with congenital absence of the uterus and vagina. Fraser IS, et al. J Clin Endocrinol Metab 36:634-7, Apr 73

Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC. J Natl Cancer Inst 48:113-8, Jan 72

Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al. J Pharmacol Exp Ther 184:285-90, Jan 73

The distribution of selected substances into rat uterine luminal fluid. Conner EA, et al. J Pharmacol Exp Ther 184:291-8, Jan 73

The effect of handling the reproductive tract on tubal transport in the ewe. Holst PJ, et al. J Reprod Fertil 32:313-4, Feb 73

The effects of intra-uterine devices (IUDs) on ovarian function in sheep, with particular reference to the luteal function. Strakosch T, et al. J Reprod Fertil 32:324, Feb 73

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y. Kobe J Med Sci 18:109-31, Jun 72

The effect of pilocarpine and oxotremorine on hormone-activated copulatory behavior in the ovariectomized hamster. Lindström LH. Naunyn Schmiedebergs Arch Pharmacol 275:233-41, 1972

Prostaglandins in luteal function. Pharriss BB, et al. Recent Prog Horm Res 28:51-89, 1972

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Bancrjee RC, et al. Steroids 21:133-45, Jan 73

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyciooctenyl ether. Falconi G, et al. Steroids 20:627-38, Nov 72

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. Steroids 20:651-67, Dec 72

A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73

Steroid extraction and tissue digestion in the assay of radioactivity in rat brain following tritiated estradiol-17 . Whalen RE, et al. Steroids 21:219-32, Feb 73

Inhibition of unilateral ovarian compensatory hypertrophy in the rat by ingestion of aspirin. Goldman M, et al. Toxicol Appl Pharmacol 24:159-61, Jan 73

[Relationship between the endocrine ovarian function and incidence of vascular diseases] Novotný A, et al. Cas Lek Cesk 112:76-80, 19 Jan 73 (Eng. Abstr.) (Cze)

[Effect of biovariectomy on the embryo-maternal junction in pregnant rats before the placental relay] Clabaut M. Ann Endocrinol (Paris) 33:221-30, May-Jun 72 (Eng. Abstr.) (Fre)

[Cytological changes in the distal hypophysis of Nectophrynoides occidentalis Angel females after ovariectomy] Zuber-Vogeli M, et al. Gen Comp Endocrinol 20:199-213, Feb 73 (Eng. Abstr.) (Fre)

[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)

[State of heat metabolism in disorders of the sexual cycle in the period of aging and after ovariectomy in white rats] Cherednichenko LK. Probl Endokrinol (Mosk) 18:70-7, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Iota virus of Drosophila immigrans studied in D. melanogaster: CO 2 sensitivity symptom, description of abnormalities induced in the host] Jousset FX. Ann Inst Pasteur (Paris) 123:275-88, Aug 72 (Eng. Abstr.) (Fre)

[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)

RADIATION EFFECTS

Effect of gamma radiation on the ovaries of desert locust Schistocerca gregaria (Forskal). Huque H, et al. Int J Appl Radiat Isot 23:557-9, Dec 72

[Gonadal and lens doses to the patient and examiner during angiography of the lower half of the body, using a metaphosphate glass dosimeter (renal angiography, arteriography of the pelvis and extremities)] Schmitt G, et al. Fortschr Geb Roentgenstr Nuklearmed 117:674-80, Dec 72 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Peritoneography. Normal and pathologic anatomy. Meyers NA. Am J Roentgenol Radium Ther Nucl Med 117:353-65, Feb 73

SECRETION

Interstitial gland tissue of mammalian ovary. Guraya SS. Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (106 ref.)

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al. Biol Reprod 7:223-30, Oct 72

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al. **Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)**

[Effect of biovariectomy on the embryo-maternal junction in pregnant rats before the placental relay] Ciabaut M. **Ann Endocrinol (Paris) 33:221-30, May-Jun 72 (Eng. Abstr.) (Fre)**

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al. **Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)**

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. **Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)**

SURGERY

Effect of estrogen on vaginal blood flow in ewes. Abrams RM, et al. **Am J Obstet Gynecol 113:681-5, 1 Jul 72**

Cell-mediated immunity in patients with ovarian carcinoma. Chen SY, et al. **Am J Obstet Gynecol 115:467-70, 15 Feb 73**

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. **Am J Obstet Gynecol 113:678-80, 1 Jul 72**

Oocyte recovery from the human ovary. Morgenstern LL, et al. **Fertil Steril 23:751-8, Oct 72**

Ovarian cancer associated with pregnancy. Chung A, et al. **Obstet Gynecol 41:211-4, Feb 73**

Reticulum cell sarcoma of the cervix. Stransky GC, et al. **Obstet Gynecol 41:183-7, Feb 73**

[Stein-Leventhal syndrome during puberty and adolescence] Markovski N. **Akush Ginekol (Sofiia) 11:327-33, 1972 (Eng. Abstr.) (Bul)**

[State of heat metabolism in disorders of the sexual cycle in the period of aging and after ovariectomy in white rats] Cherednichenko LK. **Probl Endokrinol (Mosk) 18:70-7, Jul-Aug 72 (Eng. Abstr.) (Rus)**

TRANSPLANTATION

The nature of estrogen and prolactin effect on mammary tumorigenesis. Sinha D, et al. **Cancer Res 33:411-4, Feb 73**

Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats. Peng YM, et al. **J Formosan Med Assoc 71:593-7, 28 Sep 72**

Luteolysis in the ewe: a study using a radioimmunoassay for prostaglandin F. Cerini JC, et al. **J Reprod Fertil 32:326-7, Feb 73**

The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe. Cerini ME, et al. **J Reprod Fertil 32:324-5, Feb 73**

[Suppuration of cyst of an ovary implanted into the uterine horn] Giermańska T, et al. **Pol Tyg Lek 28:133-4, 22 Jan 73 (Eng. Abstr.) (Pol)**

Testis

LEYDIG CELLS

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. Biol Reprod 7:278-87, Oct 72

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. Eur J Clin Invest 2:384-9, Nov 72

A fine structural and histochemical study of the Leydig cell in the testis of the teleost, Oryzias latipes (Cyprinidontiformes). Gresik EW, et al. Gen Comp Endocrinol 20:86-98, Feb 73

A casuistic contribution to the XX male problem. Sperling K, et al. Humangenetik 17:145-54, 1973

Response to androgen in male hermaphrodites. Boczkowski K. Obstet Gynecol 41:419-26, Mar 73

In vitro contractility of rat seminiferous tubules following 400 R whole-body x-irradiation. Kormano M, et al. Strahlentherapie 144:713-8, Dec 72

CYTOLOGY

A fine structural and histochemical study of the Leydig cell in the testis of the teleost, Oryzias latipes (Cyprinidontiformes). Gresik EW, et al. Gen Comp Endocrinol 20:86-98, Feb 73

DRUG EFFECTS

Alterations in testicular morphology and function in rabbits following active immunization with testosterone. Nieschlag E, et al. Endocrinology 92:1142-7, Apr 73

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

[Histological studies on the effect of procarbacin (Natulan) on the spermatic epithelium, Leydig cells and vascularization of testis in mice] Heese K. Arch Dermatol Forsch 244:434-6, 1972 (Ger)

[Diurnal variations of testosterone levels and HCG-stimulation in acute and chronic liver disease] Littman KP, et al. Klin Wochenschr 50:1123-6, 15 Dec 72 (Eng. Abstr.) (Ger)

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al. Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al. Andrologie 4:75-83, 1972

A fine structural and histochemical study of the Leydig cell in the testis of the teleost, Oryzias latipes (Cyprinidontiformes). Gresik EW, et al. Gen Comp Endocrinol 20:86-98, Feb 73

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

[Cytoenzymologic repercussions of epiphysectomy on the rat testis] Timmermans L, et al. C R Soc Biol (Paris) 166:733-6, 1972 (Fre)

METABOLISM

A fine structural and histochemical study of the Leydig cell in the testis of the teleost, Oryzias latipes (Cyprinidontiformes). Gresik EW, et al. Gen Comp Endocrinol 20:86-98, Feb 73

PHYSIOLOGY

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

SERTOLI CELLS

Response to androgen in male hermaphrodites. Boczkowski K. Obstet Gynecol 41:419-26, Mar 73

ENZYMOLOGY

Histochemistry of hydroxysteroid dehydrogenases in the testis, adrenocortical tissue, and corpuscles of Stannius of Pseudopleuronectes americanus. Bara G. Acta Histochem (Jena) 44:333-47, 1972

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al. Andrologie 4:75-83, 1972

PHYSIOLOGY

[Mechanism of spermatogenesis in hamsters: meaning of relationship between Sertoli cells and spermatids] Fouquet JP. C R Acad Sci [D] (Paris) 275:2025-8, 30 Oct 72 (Fre)

TESTIS

Physical markers of change in a virion population during passage. McGuire PM, et al. J Infect Dis 127:278-83, Mar 73

Testosteone concentrations in the spermatic vein plasma of marsupials. Carrick FN, et al. J Reprod Fertil 32:338-9, Feb 73

[Inhibitory action of calf fetus testis on rat fetus Müllerian ducts in organotypic culture: role of seminiferous tubes] Josso N. C R Acad Sci [D] (Paris) 274:3573-6, 26 Jun 72 (Fre)

[Glycemia and insulinemia in castrated male rats, fasting and with glucose overload] Legrele C, et al. J Physiol (Paris) 65:Suppl:257A-258, Oct 72 (Fre)

[Experimental tooth malformations in mice] Heritier M. Rev Fr Odontostomatol 19:425-36, Sep-Oct 72 (Fre)

[The mm. compressor mammae and fixator fundi uteri of the mare, at the same time a contribution on the origin of the M. cremaster ext. of the stallion] Budras KD. Zentralbl Veterinaermed [C] 1:350-62, Dec 72 (Eng. Abstr.) (Ger)

ABNORMALITIES

Bilateral scrotal testicular ectopia. Mininberg DT, et al. J Urol 108:652-4, Oct 72

Anomalies of the genitourinary tract associated with congenital scoliosis and congenital kyphosis. Vitko RJ, et al. J Urol 108:655-9, Oct 72

Hernias and related problems in infants and children. Keeley JL. Postgrad Med 53:169-75, Mar 73

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

Sterile male of the rat-flea Xenopsylla cheopis rothschild (Siphonaptera). Prasad RS. Trans R Soc Trop Med Hyg 66:945-6, 1972

[Qualitative and quantitative investigations on spontaneously dystopic rat testicles] Krause HH. Andrologie 4:45-54, 1972 (Eng. Abstr.) (Ger)

[Diagnosis and treatment of testicular dysgenesis] Goluheva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

ANALYSIS

The distribution of carnitine in male reproductive tissues and its effect on palmitate oxidation by spermatozoal particles. Casillas ER. Biochim Biophys Acta 280:545-51, 8 Dec 72

Gonadotrophin binding sites of the rat testis. Catt KJ, et al. Biochim Biophys Acta 279:194-201, 18 Aug 72

Comparison of androgen synthesis in human fetal testis

and adrenal: 3 -bydroxysteroid debydrogenase-isomerase and 17 -steroid debydrognase activities. Payne AH, et al. **Biochim Biophys Acta** 279:202-7, 18 Aug 72

Isolation and cbaracterization of a novel sulfogiycolipid, 'seminolipid,' from boar testis and spermatozoa. Isbizuka I, et al. **J Biochem (Tokyo)** 73:77-87, Jan 73

Cbanges in tbe pbospbolipid composition of bovine spermatozoa during tbeir passage tbrougb the male reproductive tract. Poulos A, et al. **J Reprod Fertil** 32:309-10, Feb 73

Brain and testicular function. Bliss EL, et al. **Life Sci [I]** 11:231-8, 1 Mar 72

[Neonatal evolution of plasmatic androgens in guinea pigs] Pelardy G, et al. **J Physiol (Paris)** 65:Suppl:282A, Oct 72 **(Fre)**

ANATOMY & HISTOLOGY

Seasonal changes in tbe testes of a fresbwater fisb Channa gacbua. Sanwal R, et al. **Acta Anat (Basel)** 83:139-48, 1972

Pacinian corpuscles in pelvic urogenital organs and outside abdominal lympb glands of tbe cat. Sbehata R. **Acta Anat (Basel)** 83:127-38, 1972

Prenatal exposure to an extremely low frequency-low intensity rotating magnetic field and increases in tbyroid and testicle weigbt in rats. Ossenkopp KP, et al. **Dev Psychobiol** 5:275-85, 1972

On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Cusick EK, et al. **Gen Comp Endocrinol** 19:441-56, Dec 72

Tbe effect on tbe gonadal axis in cockerels of electrolytic lesions in various regions of tbe basal bypothalamus. Ravona H, et al. **Gen Comp Endocrinol** 20:112-24, Feb 73

Age changes in tbe relationsbip among certain endocrine glands of bovine males. Stallcup OT. **Growth** 36:311-24, Dec 72

Pbotoperiod and crowding effects on testicular serotonin metabolism and lack of effects on melatonin syntbesis in Uinta ground squirrels (Spermopbilus armatus). Frebn JL, et al. **J Exp Zool** 183:139-44, Feb 73

Annual cycle of spermatogenesis and testis morpbology in woodcbucks. Cbristian JJ, et al. **J Mammal** 53:708-16, Nov 72

Is mammalian fertility sex limited? Land RB. **J Reprod Fertil** 31:512-3, Dec 72

Tbe effect of tbe sex of litter-mates on tbe subsequent bebaviour and breeding performance of cross-fostered rats. Sharpe RM, et al. **Lab Anim** 7:51-9, Jan 73

Sterile male of tbe rat-flea Xenopsylla cbeopis rotbscbild (Sipbonaptera). Prasad RS. **Trans R Soc Trop Med Hyg** 66:945-6, 1972

[Annual changes in tbe testicular activity of bybrid ducks resulting from crossing Pekin males (Anas platyrbyncbos L.) and barbarie females (Cairina moschata L.)] Marchand CR, et al. **C R Soc Biol (Paris)** 166:556-61, 1972 **(Fre)**

BLOOD SUPPLY

Hernias and related problems in infants and cbildren. Keeley JL. **Postgrad Med** 53:169-75, Mar 73

[Histological studies on tbe effect of procarbacin (Natulan) on tbe spermatic epitbelium, Leydig cells and vascularization of testis in mice] Heese K. **Arcb Dermatol Forsch** 244:434-6, 1972 **(Ger)**

CYTOLOGY

Seasonal changes in tbe testes of a fresbwater fisb Channa gacbua. Sanwal R, et al. **Acta Anat (Basel)** 83:139-48, 1972

Duration of tbe cycle of tbe seminiferous epitbelium and tbe spermatogonial renewal in tbe monkey Macaca arctoides. Clermont Y, et al. **Am J Anat** 136:153-65, Feb 73

Studies of cytocbrome P-450 in testis microsomes. Menard RH, et al. **Arch Biochem Biophys** 154:8-18, Jan 73

Tbe effect of metyrapone on tbe 17,20-lyase from rat testis microsomes. Betz G, et al. **Biochem Biophys Res Commun** 50:134-9, 4 Jan 73

Residual bodies and tbeir components. I. Isolatin metbods. Nyquist SE, et al. **Biol Reprod** 8:119-24, Feb 73

Effect on reproductive organs of tbree clomiphene analogues. Basu J. **Br J Pbarmacol** 46:324-8, Oct 72

The effect of ions on the structure and function of facultative beterocbromatin in the mealy bug. Pallotta D. **Can J Genet Cytol** 15:809-15, Dec 72

Study of meiosis in tbe cbimpanzee, Pan troglodytes troglodytes (Blumenbacb 1779). Datta M. **Cytologia (Tokyo)** 37:207-16, Jun 72

Alterations in testicular morpbology and function in rabbits following active immunization witb testosterone. Nieschlag E, et al. **Endocrinology** 92:1142-7, Apr 73

Centriolar changes induced by vinblastine sulphate in tbe seminiferous epitbelium of tbe mouse. Zuckerberg C, et al. **Exp Cell Res** 76:470-5, Feb 73

Banding patterns of Chinese hamster chromosomes. Kakati S, et al. **Genetics** 72:357-62, Oct 72

A casuistic contribution to tbe XX male problem. Sperling K, et al. **Humangenetik** 17:145-54, 1973

Helical structures in tbe cytoplasm of tbe male germ cells of tbe desert locust. Gawadi N. **J Cell Sci** 11:887-97, Nov 72

Cbromosomal studies in tbe squirrel monkey. Singb DN, et al. **J Hered** 63:379-81, Nov-Dec 72

Sialoprotein secretion in immature rat testis: possible relation witb supporting cells. Laporte P, et al. **J Reprod Fertil** 31:509-10, Dec 72

Ultrastructural evidence for resorption of spermatozoa and testicular fluid in tbe excurrent ducts of tbe testis of the domestic fowl, Gallus domesticus. Tingari MD, et al. **J Reprod Fertil** 31:373-81, Dec 72

The effect of adenosine 3',5'-cyclic-monopbospboric acid on tbe 17beta-bydroxysteroid debydrogenase of rat testis. Sulimovici S, et al. **J Steroid Biochem** 3:781-90, Sep 72

Fine structure of muscle cells of tbe human testicular capsule: basis of testicular contractions. Langford GA, et al. **Science** 179:573-5, 9 Feb 73

Fixation of tissue by formaldebyde vapor during centrifugation; a means for enhancing morpbological visibility by cellular flattening. Mikat K, et al. **Stain Technol** 48:33-7, Jan 73

[Local change in chromosome spiralization in buman testicular tumors] Zakharov AF, et al. **Tsitologiia** 14:1092-7, Sep 72 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimetbyl-4-isoxazolylmetbyl)pbthalimide (DIMP). Bori- A, et al. **Acta Endocrinol (Kbh)** 72:604-14, Mar 73

Toxicological investigations on tbe tolerability of nifurtimox. Hoffmann K. **Arzneim Forsch** 22:1590-603, Sep 72

Tbe effect of metyrapone on tbe 17,20-lyase from rat testis microsomes. Betz G, et al. **Biochem Biophys Res Commun** 50:134-9, 4 Jan 73

Protection by zinc against cadmium toxicity. Webb M. **Biochem Pharmacol** 21:2767-71, 15 Oct 72

Effect of glucose on tbe syntbesis of testicular proteins separated by disc electropboresis. Hollinger MA, et al. **Biochim Biophys Acta** 281:652-7, 9 Nov 72

Effect on reproductive organs of tbree clomipbene analogues. Basu J. **Br J Pharmacol** 46:324-8, Oct 72

Effects of zearalenone on tbe developing male chick. Sberwood RF, et al. **Br Poult Sci** 14:127-9, Jan 73

Pituitary gonadotropin release patterns in pre-spawning brook trout, Salvelinus fontinalis, rainbow trout, Salmo gairdneri and leopard frogs, Rana pipiens. O'Connor JM. **Comp Biochem Physiol [A]** 43:739-46, 1 Dec 72

Inhibitory effect of androgen on induction of permanent changes in tbe testis by neonatal injections of estrogen in mice. Takasugi N, et al. **Endocrinol Jap** 19:417-22, Oct 72

Effects of gonadotropins on tbe occurrence of permanent changes in tbe testis of mice given neonatal estrogen injections. Takasugi N, et al. **Endocrinol Jap** 19:423-8, Oct 72

Alterations in testicular morpbology and function in rabbits following active immunization witb testosterone. Nieschlag E, et al. **Endocrinology** 92:1142-7, Apr 73

Evidence for an intrinsic gonadotropic activity of ovine LH in tbe lizard. Licbt P, et al. **Gen Comp Endocrinol** 20:172-6, Feb 73

"Immunosuppressive" treatment of "cbronic glomerulonepbritis". Kallen RJ, et al. **J Pediatr** 82:335-9, Feb 73 (45 ref.)

The effect of FSH, LH and testosterone on lysosomal enzymes in the rat testis, after post-hypopbysectomy regression. Elkington JS, et al.
J Reprod Fertil 32:336-7, Feb 73

The effects on tbe male genital organs and dogs of a new antifertility compound KABI 1774. Nicander L.
J Reprod Fertil 31:517-8, Dec 72

Peripheral effects of some propionated androgens in the castrate male rat. Parrot RF.
J Reprod Fertil 31:518-9, Dec 72

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. Steroids 21:17-26, Jan 73

What's new in surgery. Urology. Cockett AT.
Surg Gynecol Obstet 136:219-20, Feb 73

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al.
C R Soc Biol (Paris) 166:550-3, 1972 (Fre)

[Effect of DDVP (Dichlorvos) on spermatogenesis] Krause W, et al.
Arch Dermatol Forsch 244:439-41, 1972 (Ger)

[Influence of cytostatic therapy on andrologic findings] Mauss J.
Arch Dermatol Forsch 244:437-9, 1972 (Ger)

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al.
Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)

[Effect of neomycin in testicular function] Iunda IF, et al. Antibiotiki 18:43-8, Jan 73 (Eng. Abstr.) (Rus)

[Change in the reaction capacity of alpha-adrenoreceptors of smooth muscles due to catecholamines] Abramets II.
Farmakol Toksikol 36:32-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Sex difference in development of fetal pituitary-gonadal axis: histologic observations on the anterior pituitary in fetal rats gonadectomized in utero. Nakai T, et al. Endocrinol Jap 19:483-7, Oct 72

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72

[Effect of different incubation temperatures on somatic and sexual development of green lizard embryos (Lacerta viridis Laur.)] Raynaud A, et al.
C R Acad Sci [D] (Paris) 275:2259-62, 13 Nov 72 (Fre)

ENZYMOLOGY

Postnatal study on the histochemistry of testis in Buffalo (Bubalus bubalis). From birth to one year. Goyal HO, et al. Acta Anat (Basel) 84:150-60, 1973

Histochemistry of hydroxysteroid dehydrogenases in the testis, adrenocortical tissue, and corpuscles of Stannius of Pseudopleuronectes americanus. Bara G.
Acta Histochem (Jena) 44:333-47, 1972

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al.
Andrologie 4:75-83, 1972

Studies of cytochrome P-450 in testis microsomes. Menard RH, et al.
Arch Biochem Biophys 154:8-18, Jan 73

The effect of metyrapone on the 17,20-lyase from rat testis microsomes. Betz G, et al.
Biochem Biophys Res Commun 50:134-9, 4 Jan 73

Gonadotrophin binding sites of the rat testis. Catt KJ, et al. Biochim Biophys Acta 279:194-201, 18 Aug 72

On the immunological inter-relationships of the vertebrate esterases. Haites-Kingsbury N, et al.
Biochim Biophys Acta 289:331-46, 7 Dec 72

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al.
Biochim Biophys Acta 279:202-7, 18 Aug 72

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. Biol Reprod 7:278-87, Oct 72

Hyaluronidase activity of extracts of venom sacs of a number of Vespinae (Hymenoptera). Allalouf D, et al.
Comp Biochem Physiol [B] 43:119-23, 15 Sep 72

Comparative electrophoresis of tissues from blueback herring Alosa aestivalis (Mitchill) and gaspareau, Alosa pseudoharengus (Wilson). McKenzie JA.
Comp Biochem Physiol [B] 44:65-8, 15 Jan 73

On the presence of deoxyribonuclease (DNASE) in the rabbit epididymis and its possible significance in the removal of spermatozoa. Pinero GJ, et al.
Fertil Steril 24:145-9, Feb 73

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72

The effect on the gonadal axis in cockerels of electrolytic lesions in various regions of the basal hypothalamus. Ravona H, et al.
Gen Comp Endocrinol 20:112-24, Feb 73

Studies on L-glycerol-3-phosphate dehydrogenases in Japanese quail, Coturnix coturnix japonica. I. Multiple components and some enzymatic properties of nicotinamide adenine dinucleotide-linked L-glycerol-3-phosphate dehydrogenase from liver and testes. Yamada M.
J Biochem (Tokyo) 72:1081-6, Nov 72

Properties of acrosomal hyaluronidase from bull spermatozoa. Evidence for its similarity to testicular hyaluronidase. Zaneveld LJ, et al.
J Biol Chem 248:564-70, 25 Jan 73

Photoperiod and crowding effects on testicular serotonin metabolism and lack of effects on melatonin synthesis in Uinta ground squirrels (Spermophilus armatus). Frehn JL, et al. J Exp Zool 183:139-44, Feb 73

Biochemical detection and activation of an inactive form of a trypsin-like enzyme in rabbit testes. Meizel S. J Reprod Fertil 31:459-62, Dec 72

The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. Steroids 21:17-26, Jan 73

In vitro contractility of rat seminiferous tubules following 400 R whole-body x-irradiation. Kormano M, et al. Strahlentherapie 144:713-8, Dec 72

[Activity of testicular acid DNAase in guinea pigs with pyridoxine deficiency] Hitier Y, et al.
Ann Nutr Aliment 26:179-87, 1972 (Fre)

[Cytoenzymologic repercussions of epiphysectomy on the rat testis] Timmermans L, et al.
C R Soc Biol (Paris) 166:733-6, 1972 (Fre)

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

[Lactate dehydrogenase isoenzymes in the genitalia of the male rat grafted with a testicular interstitial gland tumor] Callard R.
Experientia 28:1474-5, 15 Dec 72 (Eng. Abstr.) (Fre)

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Postnatal study on the histochemistry of testis in Buffalo (Bubalus bubalis). From birth to one year. Goyal HO, et al. Acta Anat (Basel) 84:150-60, 1973

Prenatal exposure to an extremely low frequency-low intensity rotating magnetic field and increases in thyroid and testicle weight in rats. Ossenkopp KP, et al. Dev Psychobiol 5:275-85, 1972

Clinical observations on reproduction in a pony stud. Arthur GH, et al. Equine Vet J 4:109-17, Jul 72 (23 ref.)

FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Davis GJ, et al.
Gen Comp Endocrinol 20:53-60, Feb 73

Evidence for an intrinsic gonadotropic activity of ovine

LH in the lizard. Licht P, et al.
Gen Comp Endocrinol 20:172-6, Feb 73

Effect of hemicastration on young and adult male rats. Hocbereau-de Reviers MT, et al.
J Reprod Fertil 31:519-20, Dec 72

The undescended testicle. Smith RE.
Practitioner 210:204-8, Feb 73

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

IMMUNOLOGY

The effects of immune globulins on the fertilizing capacity of frog spermatozoa. Shaver JR, et al.
Biol Reprod 8:112-8, Feb 73

[Autoimmune orchitis] Günther E.
Andrologie 4:157-60, 1972 (Eng. Abstr.) (Ger)

[Effect of lymphocyte soluble factors on the isolated seminiferous tubule in vitro] Mazzolli AB, et al.
Medicina (B Aires) 32:437-43, Sep-Oct 72 (Eng. Abstr.) (Spa)

INJURIES

[Rupture of the testicle] Schulman CC.
Acta Urol Belg 40:604-6, Jul 72 (Eng. Abstr.) (Fre)

INNERVATION

The autonomic innervation of the rat testicular capsule. Bell C, et al. **J Reprod Fertil 32:253-8, Feb 73**

METABOLISM

Postnatal study on the histochemistry of testis in Buffalo (Bubalus bubalis). From birth to one year. Goyal HO, et al. **Acta Anat (Basel) 84:150-60, 1973**

Spectrophotometric assay for diphenylthiohydantoin in biological materials. Colton DG, et al.
Anal Biochem 51:247-54, Jan 73

Gonadotropin binding sites of the rat testis. Catt KJ, et al. **Biochim Biophys Acta 279:194-201, 18 Aug 72**

Effect of glucose on the synthesis of testicular proteins separated by disc electrophoresis. Hollinger MA, et al.
Biochim Biophys Acta 281:652-7, 9 Nov 72

Reversible male sterilization: current status and future directions. Johnson DS.
Contraception 5:327-38, Apr 72

Testosterone uptake by the urogenital tract of the rabbit embryo. Wilson JD.
Endocrinology 92:1192-9, Apr 73

Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73

Distribution of carboxymethylated yeast mannan in normal and tumor-bearing mice. Kumano N, et al.
Gann 63:675-83, Dec 72

Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin. Breneman WR.
Gen Comp Endocrinol 20:41-52, Feb 73

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72

Role of lysine and -N-trimethyllysine in carnitine biosynthesis. II. Studies in the rat. Tanphaichitr V, et al. **J Biol Chem 248:2176-81, 25 Mar 73**

Sites of formation of the serum proteins transferrin and hemopexin. Thorbecke GJ, et al.
J Clin Invest 52:725-31, Mar 73

Reversible binding of labelled and non-labelled thyrotrophin by intact thyroid tissue in vitro. Manley SW, et al. **J Endocrinol 55:555-63, Dec 72**

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. **J Endocrinol 55:499-506, Dec 72**

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72

Changes in tissue magnesium, calcium and phosphorus levels in magnesium-deficient rats in relation to thiamin excess or deficiency. Itokawa Y, et al.
J Nutr 103:438-43, Mar 73

Transport and transformation of steroids in the seminiferous tubules. Cooper TG, et al.
J Reprod Fertil 31:506-7, Dec 72

Environmental factors and testicular hormone production in the male rat. Purvis K, et al.
J Reprod Fertil 31:490-1, Dec 72

Tissue distribution of radioiodinated human growth hormone in the mouse. Mizejewski GJ.
Proc Soc Exp Biol Med 142:589-94, Feb 73

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids 21:17-26, Jan 73**

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Activity of testicular acid DNAase in guinea pigs with pyridoxine deficiency] Hitier Y, et al.
Ann Nutr Aliment 26:179-87, 1972 (Fre)

[Cytoenzymologic repercussions of epiphysectomy on the rat testis] Timmermans L, et al.
C R Soc Biol (Paris) 166:733-6, 1972 (Fre)

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

[Role of androgens in the anuran amphibian Discoglossus pictus. I. In vitro metabolism of testosterone by the seminal vesicles] Ozon R, et al.
Gen Comp Endocrinol 19:484-93, Dec 72 (Eng. Abstr.) (Fre)

[5 -reduction of testosterone and biosynthesis of androgen in the germ cells of the testis of young rats] Matsumoto K, et al.
Clin Endocrinol (Tokyo) 20:1035-43, Dec 72 (Jap)

[Effect of neomycin in testicular function] Iunda IF, et al. **Antibiotiki 18:43-8, Jan 73 (Eng. Abstr.) (Rus)**

MICROBIOLOGY

Cytopathogenicity of contagious pustular dermatitis virus in primary cell culture with special reference to the formation of intracytoplasmic inclusions. Sawhney AN, et al. **Indian J Exp Biol 10:234-5, May 72**

Ultrastructural studies of treponemes: location of axial filaments and some dimensions of Treponema pallidum (Nichols strain), Treponema denticola, and Treponema reiteri. Sykes JA, et al.
Infect Immun 7:100-10, Jan 73

PATHOLOGY

Amyloidosis associated with Crohn's disease. Mir-Madjlessi SH, et al.
Am J Gastroenterol 58:563-77, Dec 72

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al.
Andrologie 4:75-83, 1972

Morphological semi-quantitative scoring of testicular biopsy in infertility. Hellinga G, et al.
Andrologie 4:55-60, 1972

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al.
Andrologie 4:69-74, 1972

Testicular biopsy in the study of male infertility. Wong TW, et al. **Arch Pathol 95:151-9, Mar 73**

Testicular biopsy in the study of male infertility. II. Posttesticular causes of infertility. Wong TW, et al.
Arch Pathol 95:160-4, Mar 73

Lesions produced by copper deficiency in neonate and older rats. Hall GA, et al. **Br J Nutr 29:95-104, Jan 73**

Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice. Takasugi N, et al.
Endocrinol Jap 19:417-22, Oct 72

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al.
Endocrinol Jap 19:423-8, Oct 72

The Eck fistula rat: definition of an experimental model. Herz R, et al. **Eur J Clin Invest 2:390-7, Nov 72**

Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases). Simon M, et al. **Eur J Clin Invest 2:384-9, Nov 72**

TESTIS

Experimental autoimmune damage to rabbit male accessory glands. Yantorno C, et al. **Invest Ophthalmol** 10:397-403, Mar 73

Coccidioides immitis encephalitis in two dogs. Pryor WH Jr, et al. **J Am Vet Med Assoc** 161:1108-12, 15 Nov 72

Defective spermiogenesis in a 9-year-old stallion. **J Am Vet Med Assoc** 162:142-7, 15 Jan 73

Fabry's disease (a case report). Malhotra KK, et al. **J Assoc Physicians India** 20:713-7, Sep 72

Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis. Snell KC, et al. **J Natl Cancer Inst** 49:1381-93, Nov 72

The spermatogenic cycle of the bandicoot, Isoodon macrourus. Mason K, et al. **J Reprod Fertil** 32:307-8, Feb 73

Ultrastructural tail defects in the spermatozoa from two men attending a subfertility clinic. Ross A, et al. **J Reprod Fertil** 32:243-51, Feb 73

Breast cancer after mumps orchitis. Nicolis GL, et al. **JAMA** 223:1032-3, 26 Feb 73

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. **Mayo Clin Proc** 48:94-7, Feb 73 (29 ref.)

Paternal transmission of maleness in XX human beings. Kasdan R, et al. **N Engl J Med** 288:539-45, 15 Mar 73

Response to androgen in male hermaphrodites. Boczkowski K. **Obstet Gynecol** 41:419-26, Mar 73

In vitro contractility of rat seminiferous tubules following 400 R whole-body x-irradiation. Kormano M, et al. **Strahlentherapie** 144:713-8, Dec 72

The undescended testis. Levin A, et al. **Surg Gynecol Obstet** 136:473-9, Mar 73

[Qualitative and quantitative investigations on spontaneously dystopic rat testicles] Krause HH. **Andrologie** 4:45-54, 1972 (Eng. Abstr.) (Ger)

[Effect of DDVP (Dichlorvos) on spermatogenesis] Krause W, et al. **Arch Dermatol Forsch** 244:439-41, 1972 (Ger)

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüesch H, et al. **Virchows Arch [Pathol Anat]** 358:149-62, 1973 (Eng. Abstr.) (Ger)

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al. **Jap J Clin Med** 30:2262-8, Nov 72 (Jap)

[Nutritional studies of edible fats. 3. Effects of selected fats on morphological changes in various organs] Ziemiański S, et al. **Rocz Panstw Zakl Hig** 23:685-94, 1972 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Seasonal changes in the testes of a freshwater fish Channa gachua. Sanwal R, et al. **Acta Anat (Basel)** 83:139-48, 1972

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al. **Acta Endocrinol (Kbh)** 72:604-14, Mar 73

Effects of photoperiod and age on reproductive organs and serum LH in the male rat. Hoffmann JC. **Am J Physiol** 224:245-7, Feb 73

Changes in template activity of rat ventral prostate chromatin after brief or prolonged in vivo exposure to androgen: evidence for a succession of chromatin "conformers". Couch RM, et al. **Biochem Biophys Res Commun** 50:478-85, 23 Jan 73

Alterations in testicular morphology and function in rabbits following active immunization with testosterone. Nieschlag E, et al. **Endocrinology** 92:1142-7, Apr 73

Advances in male reproductive physiology. Mann T. **Fertil Steril** 23:699-707, Oct 72 (30 ref.)

Pituitary-gonadal function before and after vasectomy. Wieland RG, et al. **Fertil Steril** 23:779-81, Oct 72

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al. **Gen Comp Endocrinol** 20:144-9, Feb 73

On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Cusick EK, et al. **Gen Comp Endocrinol** 19:441-56, Dec 72

Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Davis GJ, et al. **Gen Comp Endocrinol** 20:61-8, Feb 73

The effect on the gonadal axis in cockerels of electrolytic lesions in various regions of the basal hypothalamus. Ravona H, et al. **Gen Comp Endocrinol** 20:112-24, Feb 73

Recovery of gonadal function following hypothalamic lesions in Japanese quail. Stetson MH. **Gen Comp Endocrinol** 20:76-85, Feb 73

Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al. **Horm Metab Res** 4:433-8, Nov 72

Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC. **J Natl Cancer Inst** 48:113-8, Jan 72

Effect of hemicastration on young and adult male rats. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 31:519-20, Dec 72

Ultrastructural evidence for resorption of spermatozoa and testicular fluid in the excurrent ducts of the testis of the domestic fowl, Gallus domesticus. Tingari MD, et al. **J Reprod Fertil** 31:373-81, Dec 72

Ultrastructural changes in hepatic cells of the male rat induced by DL-ethionine. Goldblatt PJ, et al. **Lab Invest** 28:206-16, Feb 73

Brain and testicular function. Bliss EL, et al. **Life Sci [I]** 11:231-8, 1 Mar 72

Effects of postnatal maturation and castration on rat epididymal carbohydrate metabolism. Sholl SA, et al. **Proc Soc Exp Biol Med** 142:635-7, Feb 73

The subcellular localization of the changes in ribonuclease and phosphatase activities of the mouse kidney produced by castration and testosterone. Kochakian CD, et al. **Steroids** 21:95-110, Jan 73

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. **Steroids** 20:651-67, Dec 72

Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone. Whalen RE, et al. **Steroids** 20:717-25, Dec 72

[Experimental study of factors of recovery of sexual activity in the spring in mammals with seasonal reproduction cycle] Delost P. **C R Soc Biol (Paris)** 166:879-84, 1972 (Fre)

[Annual changes in the testicular activity of hybrid ducks resulting from crossing Pekin males (Anas platyrhynchos L.) and barbarie females (Cairina moschata L.)] Marchand CR, et al. **C R Soc Biol (Paris)** 166:556-61, 1972 (Fre)

[Histological studies on the effect of procarbacin (Natulan) on the spermatic epithelium, Leydig cells and vascularization of testis in mice] Heese K. **Arch Dermatol Forsch** 244:434-6, 1972 (Ger)

[Column chromatographic studies on collagen in hypophysectomized and orchidectomized rats] Rodermund OE, et al. **Arch Dermatol Forsch** 244:529-30, 1972 (Ger)

[Palpation findings on descended testes in the German short-hair] Meyer P. **Dtsch Tieraerztl Wochenschr** 19:590-7, 1 Dec 72 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Fertility of patients with solitary testes. Woodhead DM, et al. **J Urol** 109:66-7, Jan 73

RADIATION EFFECTS

Testicular biopsy in the study of male infertility. Wong TW, et al. **Arch Pathol** 95:151-9, Mar 73

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids** 21:17-26, Jan 73

In vitro contractility of rat seminiferous tubules following 400 R whole-body x-irradiation. Kormano M, et al. **Strahlentherapie** 144:713-8, Dec 72

[Diagnosis of fertility disorders following genital injuries] Niermann H, et al. **Arch Dermatol Forsch** 244:464-6, 1972 (Ger)

[Gonadal and lens doses to the patient and examiner during angiography of the lower half of the body, using a metaphosphate glass dosimeter (renal angiography, arteriography of the pelvis and extremities)] Schmitt G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 117:674-80, Dec 72 (Eng. Abstr.) (Ger)

SECRETION

Infertility of rabbit testicular spermatozoa collected in

their native fluid environment. Lambiase JT Jr, et al. **Fertil Steril** 24:65-7, Jan 73

Sialoprotein secretion in immature rat testis: possible relation with supporting cells. Laporte P, et al. **J Reprod Fertil** 31:509-10, Dec 72

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. **Ann Endocrinol (Paris)** 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

SURGERY

Bilateral teratoma of testis in an infant. Carney JA, et al. **J Pediatr Surg** 8:49-54, Feb 73

Scrotal and penile lymph edema as a complication of testicular prosthesis. Elsahy NI. **J Urol** 108:595-8, Oct 72

Bilateral scrotal testicular ectopia. Mininberg DT, et al. **J Urol** 108:652-4, Oct 72

Breast cancer after mumps orchitis. Nicolis GL, et al. **JAMA** 223:1032-3, 26 Feb 73

Response to androgen in male hermaphrodites. Boczkowski K. **Obstet Gynecol** 41:419-26, Mar 73

[Rupture of the testicle] Schulman CC. **Acta Urol Belg** 40:604-6, Jul 72 (Eng. Abstr.) (Fre)

[Testicular prosthesis by plastic material] Molnár J, et al. **Andrologie** 4:141-6, 1972 (Eng. Abstr.) (Ger)

[Incomplete testicular feminization] Csaba I, et al. **Orv Hetil** 114:503-5, 4 Mar 73 (Hun)

II. Disorders of the Gonads

ARRHENOBLASTOMA

Fibrin degradation products during postoperative radiotherapy of ovarian carcinoma. Svanberg L, et al. Acta Obstet Gynecol Scand 52:141-5, 1973

Arrhenoblastoma in a 12-year-old girl. Brant J. Int Surg 58:135-7, Feb 73

BLOOD

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

DIAGNOSIS

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

METABOLISM

[Functioning tumor of the ovary] Hosokawa T. Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

PATHOLOGY

Arrhenoblastoma in a 12-year-old girl. Brant J. Int Surg 58:135-7, Feb 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

SURGERY

Arrhenoblastoma in a 12-year-old girl. Brant J. Int Surg 58:135-7, Feb 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

CORPUS LUTEUM CYST

CHEMICALLY INDUCED

[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolb R, et al. Geburtshilfe Frauenheilkd 32:900-2, Oct 72 (Eng. Abstr.) (Ger)

PATHOLOGY

[Ovarian tumors and pregnancy] Ruckhäberle B, et al. Zentralbl Gynaekol 94:1729-36, 16 Dec 72 (Ger)

SURGERY

[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolb R, et al. Geburtshilfe Frauenheilkd 32:900-2, Oct 72 (Eng. Abstr.) (Ger)

CRYPTORCHISM

The undescended testicle. Smith RE. Practitioner 210:204-8, Feb 73

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

[Turner phenotype in males] Nielsen J, et al. Ugeskr Laeger 135:122-4, 15 Jan 73 (Eng. Abstr.) (Dan)

BLOOD

Plasmatic testosterone in bilateral cryptorchids in adult age. Raboch J, et al. Andrologie 4:107-12, 1972

CHEMICALLY INDUCED

[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al. C R Soc Biol (Paris) 166:550-3, 1972 (Fre)

COMPLICATIONS

Testicular biopsy in the study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73

Fertility of patients with solitary testes. Woodhead DM, et al. J Urol 109:66-7, Jan 73

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

DIAGNOSIS

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

DRUG THERAPY

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

ETIOLOGY

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

FAMILIAL & GENETIC

Association of hypertelorism and hypospadias--the BBB-syndrome. Michaelis E, et al. Helv Paediatr Acta 27:575-81, Dec 72

Trimethylaminuria and inherited Noonan's syndrome. Calvert GD. Lancet 1:320-1, 10 Feb 73

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

OCCURRENCE

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

PATHOLOGY

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

PHYSIOPATHOLOGY

Fertility of patients with solitary testes. Woodhead DM, et al. J Urol 109:66-7, Jan 73

SURGERY

Plasmatic testosterone in bilateral cryptorchids in adult age. Raboch J, et al. Andrologie 4:107-12, 1972

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al. Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

The undescended testicle. Smith RE. Practitioner 210:204-8, Feb 73

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

[Retentio testis--once again] Ståhl L, et al. Lakartidningen 70:379-80, 31 Jan 73 (Eng. Abstr.) (Swe)

DISGERMINOMA

[Primary mediastinal seminoma. Report of 2 cases of seminoma and 1 case of teratoma with seminoma] Sprenger F, et al.
Schweiz Med Wochenschr 102:1488-90, 14 Oct 72 (Eng. Abstr.) (Ger)

COMPLICATIONS

Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. Brain 95:249-64, 1972
[Spinal cord compression by metastasis from a mediastinal tumor] Reolon M, et al.
Arq Neuropsiquiatr 30:348-52, Dec 72 (Eng. Abstr.) (Por)

DIAGNOSIS

Mediastinoscopy: 300 cases reported and literature reviewed. Tucker JA. Laryngoscope 82:2226-48, Dec 72

DRUG THERAPY

Antineoplastic and immunosuppressive drugs. II. Therapeutic uses. Cridland MD.
Drugs 3:331-51, 1972 (107 ref.)
[Primary mediastinal seminoma. Report of 2 cases of seminoma and 1 case of teratoma with seminoma] Sprenger F, et al.
Schweiz Med Wochenschr 102:1488-90, 14 Oct 72 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Arginase in human urogenital tumors. Yamanaka H, et al. Gann 63:693-700, Dec 72

FAMILIAL & GENETIC

[Local change in chromosome spiralization in human testicular tumors] Zakharov AF, et al.
Tsitologiia 14:1092-7, Sep 72 (Eng. Abstr.) (Rus)
[Familial occurrence of malignant testicular tumors] Vlček E.
Bratisl Lek Listy 59:199-202, Feb 73 (Eng. Abstr.) (Slo)

IMMUNOLOGY

The cancer associated antigen test as an index to failure of complete removal of urological cancers. Wechsler M, et al. Trans Am Assoc Genitourin Surg 64:85-7, 1972

OCCURRENCE

Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73
Ovarian cancer associated with pregnancy. Chung A, et al. Obstet Gynecol 41:211-4, Feb 73

PATHOLOGY

Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis. Snell KC, et al.
J Natl Cancer Inst 49:1381-93, Nov 72
Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73
[Spinal cord compression by metastasis from a mediastinal tumor] Reolon M, et al.
Arq Neuropsiquiatr 30:348-52, Dec 72 (Eng. Abstr.) (Por)
[Spermatocytic seminoma with fatal outcome] Serov RA, et al. Arkh Patol 35:74-5, 1973 (Rus)

RADIOGRAPHY

[Lymphographic criteria for metastases in the lymphoangiogram--diagnosis and differential diagnosis] Beitz L, et al.
Radiol Diagn (Berl) 13:604-9, 1972 (Eng. Abstr.) (Ger)
[Cavography and relymphography as important additional examinations in testicular neoplasms and gynecologic carcinomas] Blaudow K.
Radiol Diagn (Berl) 13:674-7, 1972 (Ger)
[Pathways of metastasis of testicular neoplasms and their lymphographic metastatic morphology] Elke M, et al. Radiol Diagn (Berl) 13:660-4, 1972 (Ger)
[Additional examinations with the routine lymphogram] Röder K.
Radiol Diagn (Berl) 13:665-72, 1972 (Ger)

RADIOTHERAPY

Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. J Urol 109:293-5, Feb 73
[Primary mediastinal seminoma. Report of 2 cases of seminoma and 1 case of teratoma with seminoma] Sprenger F, et al.
Schweiz Med Wochenschr 102:1488-90, 14 Oct 72 (Eng. Abstr.) (Ger)
[Treatment of metastatic lung cancer] Watari T.
Jap J Clin Radiol 17:934-5, Nov 72 (Jap)

SURGERY

Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73
Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. J Urol 109:293-5, Feb 73
[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)
[Primary mediastinal seminoma. Report of 2 cases of seminoma and 1 case of teratoma with seminoma] Sprenger F, et al.
Schweiz Med Wochenschr 102:1488-90, 14 Oct 72 (Eng. Abstr.) (Ger)

THERAPY

Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. J Urol 109:293-5, Feb 73
[Results of treatment of advanced stage of ovarian cancer] Simm S, et al.
Ginekol Pol 44:45-50, Jan 73 (Eng. Abstr.) (Pol)

VETERINARY

Tumors in nonhuman primates: observations during a six-year period in the Yerkes primate center colony. McClure HM. Am J Phys Anthropol 38:425-9, Mar 73
Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis. Snell KC, et al.
J Natl Cancer Inst 49:1381-93, Nov 72

EUNUCHISM

BLOOD

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

ETIOLOGY

[Diagnosis of fertility disorders following genital injuries] Niermann H, et al.
Arch Dermatol Forsch 244:464-6, 1972 (Ger)

GONADS

ABNORMALITIES

[Mutant for sterility with delayed effect in Drosophila melanogaster] Thierry-Mieg D, et al.
C R Acad Sci [D] (Paris) 275:2751-4, 6 Dec 72 (Fre)

GRANULOSA CELL TUMOR

COMPLICATIONS

[Estrogen-producing tumors of the ovary and their relation to the endometrial carcinoma] Kruschwitz S.
Arch Gynaekol 213:150-61, 1972 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Diagnosis and therapy of malignant ovarian tumors at the 1st University Hospital for Women in Vienna between 1956 and 1964] Kofler E, et al.
Osterr Z Erforsch Bekaempf Krebskr 27:375-91, 1972 (Eng. Abstr.) (Ger)

METABOLISM

[Functioning tumor of the ovary] Hosokawa T.
Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

OCCURRENCE

Ovarian cancer associated with pregnancy. Chung A, et al. Obstet Gynecol 41:211-4, Feb 73

PATHOLOGY

Theca granuloma cell tumor arising in adrenal. Orseill RC, et al. Cancer 31:474-7, Feb 73

THERAPY

[Diagnosis and therapy of malignant ovarian tumors at the 1st University Hospital for Women in Vienna between 1956 and 1964] Kofler E, et al. Osterr Z Erforsch Bekaempf Krebskr 27:375-91, 1972 (Eng. Abstr.) (Ger)

GYNANDROBLASTOMA

METABOLISM

[Functioning tumor of the ovary] Hosokawa T. Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

SURGERY

[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)

HERMAPHRODITISM

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Gender identity. The problem of a true hermaphrodite. II. Roeske NA, et al. J Am Acad Child Psychiatry 12:137-41, Jan 73

Gender differences. Lancet 1:411-2, 24 Feb 73

[Effect of different incubation temperatures on somatic and sexual development of green lizard embryos (Lacerta viridis Laur.)] Raynaud A, et al. C R Acad Sci [D] (Paris) 275:2259-62, 13 Nov 72 (Fre)

[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M. C R Soc Biol (Paris) 166:906-8, 1972 (Fre)

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

[A case of gynandromorphism in Chirocephalus diaphanus Prévost (Crustacea, Branchiopoda)] Cottarelli V, et al. Riv Biol 65:225-34, Jul-Sep 72 (Mul)

BLOOD

Testosterone levels in intersex goats. Zlotnik G. J Reprod Fertil 32:287-90, Feb 73

A study on erythrocyte cell volume and number in normal adult and triploid intersex chickens. Abdel-Hameed MF, et al. Poult Sci 51:1376-82, Jul 72

CHEMICALLY INDUCED

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Gender dimorphic behavior and fetal sex hormones. Money J, et al. Recent Prog Horm Res 28:735-63, 1972

CLASSIFICATION

Response to androgen in male hermaphrodites. Boczkowski K. Obstet Gynecol 41:419-26, Mar 73

DIAGNOSIS

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

[Medical problems during the Olympic Games] Heiss F. Z Allgemeinmed 48:1550-2, 30 Nov 72 (Ger)

[Cytogenetics in obstetrical and gynecological practice] Gardó S, et al. Zentralbl Gynaekol 95:209-16, 16 Feb 73 (Ger)

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

DRUG THERAPY

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Response to androgen in male hermaphrodites. Boczkowski K. Obstet Gynecol 41:419-26, Mar 73

EMBRYOLOGY

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al. Eur J Biochem 31:345-53, 4 Dec 72

Paternal transmission of maleness in XX human beings. Kasdan R, et al. N Engl J Med 288:539-45, 15 Mar 73

A study on erythrocyte cell volume and number in normal adult and triploid intersex chickens. Abdel-Hameed MF, et al. Poult Sci 51:1376-82, Jul 72

METABOLISM

Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al. Eur J Biochem 31:345-53, 4 Dec 72

PATHOLOGY

Paternal transmission of maleness in XX human beings. Kasdan R, et al. N Engl J Med 288:539-45, 15 Mar 73

RADIOGRAPHY

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

SURGERY

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)

VETERINARY

Testosterone levels in intersex goats. Zlotnik G. J Reprod Fertil 32:287-90, Feb 73

A study on erythrocyte cell volume and number in normal adult and triploid intersex chickens. Abdel-Hameed MF, et al. Poult Sci 51:1376-82, Jul 72

HYPOGONADISM

Syndrome of growth resistance, obesity and intellectual impairment with precocious puberty. Parkin JM. Arch Dis Child 48:86-7, Jan 73

Gender role-identity and sexual behaviour in persons with sex chromosome aberrations. Nielsen J. Dan Med Bull 19:269-75, Dec 72

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al. Probl Endokrinol (Mosk) 18:19-22, Jul-Aug 72 (Eng. Abstr.) (Rus)

BLOOD

Heterogeneity of gonadotropin response to LHRH in hypogonadotropic hypogonadism. Bell J, et al. J Clin Endocrinol Metab 36:791-4, Apr 73

Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al. J Clin Endocrinol Metab 36:502-8, Mar 73

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. J Clin Endocrinol Metab 36:612-4, Mar 73

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone

and other bypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Testicular biopsy in the study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73
Plasma testosterone, estradiol, and gonadotrophins in bepatic insufficiency. Kent JR, et al.
Gastroenterology 64:111-5, Jan 73
[Congenital asymmetry and nervous system disorders in the Prader-Lahhart-Willi syndrome] Gaal K, et al.
Kinderaerztl Prax 40:453-60, Oct 72 (Ger)
[Case of diabetes with Morquio's disease and gonadal dysfunction] Oe N, et al.
Jap J Clin Med 30:2136-9, Oct 72 (Jap)
[Growth anomalies (including dwarfism)] Okada Y.
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)
[Prader-Willi syndrome combined with Lohstein syndrome] Krajča K, et al.
Bratisl Lek Listy 59:208-13, Feb 73 (Eng. Abstr.) (Slo)

DRUG THERAPY

Drugs in infertility. Barnes EW, et al.
Br Med J 1:234, 27 Jan 73
[Gonadic and extragonadic effects in humans of 3,500 I.U. of HCG (human chorionic gonadotropin) in fractional doses] Veilleux H, et al.
Vie Med Can Fr 1:862-71, Sep 72 (Fre)
[7th World Congress on Fertility and Sterility in Tokyo and Kyoto] Hofmann N.
Hautarzt 23:324-6, Jul 72 (Ger)

FAMILIAL & GENETIC

Gender role-identity and sexual behaviour in persons with sex chromosome aberrations. Nielsen J.
Dan Med Bull 19:269-75, Dec 72
Effectf of syntbetic luteinizing hormone-releasing hormone (LH-RH) in two brothers witb bypogonadotropic hypogonadism and anosmia. Zárate A, et al. J Clin Endocrinol Metab 36:612-4, Mar 73

PHYSIOPATHOLOGY

Clinical experience with hypothalamic releasing bormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972
[Glycoprotein bormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

URINE

[Tbe immunochemical ICSH test in andrology] Krause W, et al. Andrologie 4:147-51, 1972 (Eng. Abstr.) (Ger)

VETERINARY

[Glycoprotein hormone cells of the pituitary gland of an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

KLINEFELTER'S SYNDROME

Gender role-identity and sexual behaviour in persons witb sex chromosome aberrations. Nielsen J.
Dan Med Bull 19:269-75, Dec 72
Cognitive style and gender role in persons with sex chromosome aberrations. Theilgaard A.
Dan Med Bull 19:276-86, Dec 72
Diabetes mellitus in patients with aneuploid cbromosome aberrations and in their parents. Nielsen J. Humangenetik 16:165-70, 1972
Satellite association. A possible cause of cbromosome aberrations. Rosenkranz W, et al.
Humangenetik 16:147-50, 1972

BLOOD

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and otber hypophysiotropic releasing bormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Testicular biopsy in the study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73
Coexisting Klinefelter's syndrome and primary hypotbyroidism witb an enlarged pituitary fossa. Drury MI, et al. Ir J Med Sci 141:19-24, Jan-Mar 72
[A gene for delinquency. Myth or reality?] Moor L.
Ann Med Psychol (Paris) 2:520-7, Nov 72 (Fre)
[Cancer of the breast and Klinefelter's syndrome] Berger R, et al. Nouv Presse Med 2:111, 13 Jan 73 (Fre)

DIAGNOSIS

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al.
Jap J Clin Med 30:2262-8, Nov 72 (Jap)

FAMILIAL & GENETIC

A male with karyotype 46,XX. Sutherland GR, et al.
Ann Genet (Paris) 15:187-9, Sep 72
Gender role-identity and sexual behaviour in persons with sex cbromosome aberrations. Nielsen J.
Dan Med Bull 19:269-75, Dec 72
Effect of exogenous estrogen and progesterone upon sex chromatin frequency. Becker KL, et al.
J Urol 109:79-81, Jan 73
Results of 538 chromosome studies on patients referred for cytogenetic analysis. Mulcahy MT, et al.
Med J Aust 2:1333-8, 9 Dec 72
[Frequency and distribution of satellites in the parents of children witb numerical cbromosome aberrations in comparison with parents of healtby cbildren] Tajmírová O, et al.
Bratisl Lek Listy 58:517-24, 5 Nov 72 (Eng. Abstr.) (Cze)
[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al.
Jap J Clin Med 30:2262-8, Nov 72 (Jap)
[Genetic counseling in cases of genodermatosis] Kozlowski J, et al.
Przegl Dermatol 59:683-9, Sep-Oct 72 (13 ref.) (Pol)

IMMUNOLOGY

Immunological aberrations in patients with aneuploid chromosome abnormalities and in their parents. Neilsen J. Humangenetik 16:171-6, 1972

PATHOLOGY

Testicular biopsy in tbe study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73
[Sex cbromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al.
Jap J Clin Med 30:2262-8, Nov 72 (Jap)

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Kbh) 72:182-90, Jan 73
[The immunocbemical ICSH test in andrology] Krause W, et al. Andrologie 4:147-51, 1972 (Eng. Abstr.) (Ger)

LEYDIG CELL TUMOR

COMPLICATIONS

Tbe value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72
Virilization superimposed on Turner's syndrome:

cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. South Med J 66:129-34, Jan 73

ENZYMOLOGY

[Lactate dehydrogenase isoenzymes in the genitalia of the male rat grafted with a testicular interstitial gland tumor] Callard R.
Experientia 28:1474-5, 15 Dec 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. South Med J 66:129-34, Jan 73

METABOLISM

[Functioning tumor of the ovary] Hosokawa T.
Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

SURGERY

[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)

MEIGS' SYNDROME

COMPLICATIONS

[Clinical features of pleural diseases] Seidel H.
Prax Pneumol 26:612-20, Nov 72 (Eng. Abstr.) (Ger)

DIAGNOSIS

Uterine tumor mimicking Meigs's syndrome (intractable heart failure). Frank N, et al.
J Med Soc NJ 70:17-8, Jan 73

OVARIAN CYSTS

Uterus didelphys with an abortion into a unilateral imperforate vagina. Nygren KG, et al.
Acta Obstet Gynecol Scand 52:187-9, 1973
[Suppuration of cyst of an ovary implanted into the uterine horn] Giermańska T, et al.
Pol Tyg Lek 28:133-4, 22 Jan 73 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

Ovarian changes during progestogen amenorrhoea. el-Mahgouh S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
[Gonadotropins--their side effects] Tojo S, et al.
Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)

COMPLICATIONS

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73
Torsion of the isolated Fallopian tube. Monaghan JM.
Br J Surg 60:70-2, Jan 73
[Ovarian tumors and pregnancy] Ruckhäberle B, et al.
Zentralbl Gynaekol 94:1729-36, 16 Dec 72 (Ger)

DIAGNOSIS

[Diagnostic use of sonar in pelvic pathology] Iannıruberto A, et al.
Ann Ostet Ginecol 93:473-90, Jul 72 (Eng. Abstr.) (Ita)
[Suppuration of cyst of an ovary implanted into the uterine horn] Giermańska T, et al.
Pol Tyg Lek 28:133-4, 22 Jan 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

A technique for intra-cystic injections in the treatment of cystic ovarian disease in bovine animals. Pepper RT. Vet Rec 92:16, 6 Jan 73

ETIOLOGY

[Suppuration of cyst of an ovary implanted into the uterine horn] Giermańska T, et al.
Pol Tyg Lek 28:133-4, 22 Jan 73 (Eng. Abstr.) (Pol)

OCCURRENCE

Childhood abdominal masses. Lee SL.
J Singapore Paediatr Soc 14:107-14, Oct 72
[The influence of hysterectomy and unilateral ovariectomy on the occurrence of ovarian tumors] Wagenhichler P, et al.
Geburtshilfe Frauenheilkd 32:882-90, Oct 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Bilateral theca lutein cysts associated with apparently normal pregnancy. Dick JS.
J Obstet Gynaecol Br Commonw 79:852-4, Sep 72
Ovarian changes during progestogen amenorrhoea. el-Mahgouh S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
[Ovarian tumors and pregnancy] Ruckhäberle B, et al.
Zentralbl Gynaekol 94:1729-36, 16 Dec 72 (Ger)

SURGERY

Selective puncture of structures in the true pelvis. Diagnostic and therapeutic significance. Szontágh F, et al. Acta Chir Acad Sci Hung 13:41-9, 1972
Bilateral theca lutein cysts associated with apparently normal pregnancy. Dick JS.
J Obstet Gynaecol Br Commonw 79:852-4, Sep 72
[Is it advisable to puncture ovarian cysts?] Bréhant J.
Nouv Presse Med 2:119, 13 Jan 73 (Fre)

VETERINARY

A technique for intra-cystic injections in the treatment of cystic ovarian disease in bovine animals. Pepper RT. Vet Rec 92:16, 6 Jan 73

OVARIAN DISEASES

BLOOD

[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

[Gonadotropins--their side effects] Tojo S, et al.
Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)

COMPLICATIONS

Factors influencing the pregnancy rate following hysterosalpingography and their prognostic significance. Horbach JG, et al.
Fertil Steril 24:15-8, Jan 73
Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)

DIAGNOSIS

Laparoscopy in a general gynecologic unit. Liston WA, et al. Am J Obstet Gynecol 113:672-7, 1 Jul 72
Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)

DRUG THERAPY

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. Gynecol Invest 3:126-34, 1972

ETIOLOGY

Poststerilization mittelschmerz. Daw E.
Br Med J 3:701, 16 Sep 72
Updated Hodgkin's disease. C. Advanced disease and special problems. Problems with the irradiation of children and pregnant patients. D'Angio GJ, et al.
JAMA 223:171-3, 8 Jan 73

FAMILIAL & GENETIC

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73

IMMUNOLOGY

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73

METABOLISM

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al. Arch Biochem Biophys 153:188-92, Nov 72

NURSING

Nursing care study: pregnancy with complications. Robinson PA. Nurs Mirror 136:22-4, 16 Mar 73

OCCURRENCE

Ovarian morpbology after prolonged use of steroid contraceptive agents. Maqueo M, et al. Contraception 5:177-85, Mar 72

PHYSIOPATHOLOGY

Clinical experience with hypothalamic releasing bormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

RADIOGRAPHY

The view box. Love L. Ill Med J 143:269 passim, Mar 73

OVARIAN NEOPLASMS

Ovarian carcinoma--a 10-year series from a provincial bospital. Timm J. Acta Obstet Gynecol Scand 52:103-8, 1973

Teratomas in children. Claireaux AE, et al. Arch Dis Child 48:159-60, Feb 73

Thecoma in pregnancy. Gough HM, et al. Can Med Assoc J 108:595-7, 3 Mar 73

Arrhenoblastoma in a 12-year-old girl. Brant J. Int Surg 58:135-7, Feb 73

Tbe diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73

[A furtber case of Krukenberg's tumor manifesting a vesiculo-cboledochal cancer] Andrieux J, et al. Chirurgie 98:219-23, 1 Mar 72 (Eng. Abstr.) (Fre)

[A case of spontaneous recovery from a secondary cancer of the bladder] Adjiman M, et al. J Urol Nephrol (Paris) 78:723-6, Jul-Aug 72 (Fre)

[Histological study of bone marrow in 31 children with neuroblastoma] Tcbernia G, et al. Rev Eur Etud Clin Biol 17:471-82, May 72 (Eng. Abstr.) (Fre)

[2 thecal tumors of the ovary] Lagadec JC, et al. Rev Fr Gynecol Obstet 67:533-6, Oct 72 (Eng. Abstr.) (Fre)

BLOOD

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al. Am J Med 54:229-33, Feb 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

CLASSIFICATION

Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Fine G, et al. Cancer 31:398-410, Feb 73

The diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73

[Classification of ovarian teratoid tumors] Tennstedt A. Zentralbl Gynaekol 94:1742-6, 16 Dec 72 (Ger)

COMPLICATIONS

Small intestinal obstruction from peritoneal carcinomatosis. Glass RL, et al. Am J Surg 125:316-7, Mar 73

A comparison of urographic and renographic studies in gynaecological cases. Aantaa K, et al. Ann Chir Gynaecol Fenn 61:324-7, 1972

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)

[Estrogen-producing tumors of tbe ovary and their relation to the endometrial carcinoma] Kruschwitz S. Arch Gynaekol 213:150-61, 1972 (Eng. Abstr.) (Ger)

[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K. Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

[Ovarian tumors and pregnancy] Ruckhäberle B, et al. Zentralbl Gynaekol 94:1729-36, 16 Dec 72 (Ger)

[Diffuse bemorrhage in the abdominal cavity originating from ovarian teratoma in 2 and a half year old child] Pátkay J, et al. Orv Hetil 114:688-9, 25 Mar 73 (Hun)

[Torsion of adnexal tumor during pregnancy] Glenc F, et al. Pol Tyg Lek 28:61-2, 8 Jan 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

Psammoma bodies found in cervico-vaginal smears. Benson PA. Acta Cytol (Baltimore) 17:64-6, Jan-Feb 73

Vaginal cuff cytology: some difficult diagnostic problems. Frable WJ, et al. Acta Cytol (Baltimore) 17:135-40, Mar-Apr 73

Thrombin cell block technic in gynecologic cytodiagnosis. Kaltenbach FJ, et al. Acta Cytol (Baltimore) 17:128-30, Mar-Apr 73

Ovarian carcinoma--a 10-year series from a provincial hospital. Timm J. Acta Obstet Gynecol Scand 52:103-8, 1973

Tbe PMPO syndrome (postmenopausal palpable ovary syndrome). Barber HR, et al. CA 22:357-9, Nov-Dec 72

Additional data on bepatic flow studies. Spencer RP. J Nucl Med 14:250, Apr 73

The value of plasma testosterone estimation in tbe diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72

Primary malignant melanoma in a dermoid cyst of the ovary. Leo S, et al. Obstet Gynecol 41:205-10, Feb 73

Cytology of voided urine in the diagnosis of gynecologic malignancy. Smith P, et al. Obstet Gynecol 41:440-2, Mar 73

Radionuclear selenite (75 Se) for scintigrapbic demonstration of lung cancer and metastases in tbe mediastinum. A preliminary report. Jereb M, et al. Scand J Respir Dis 53:331-7, 1972

The diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73

[Ultrasonics in gynecologic diagnosis] Fuente P de la, et al. Rev Fr Gynecol Obstet 68:43-51, Jan 73 (Eng. Abstr.) (Fre)

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

[Diagnosis and therapy of malignant ovarian tumors at the 1st University Hospital for Women in Vienna between 1956 and 1964] Kofler E, et al. Osterr Z Erforsch Bekaempf Krebskr 27:375-91, 1972 (Eng. Abstr.) (Ger)

DRUG THERAPY

1,3-Bis (2-chloroethyl)-1-nitrosourea: effects on advanced ovarian carcinoma. Godfrey TE, et al. Am J Obstet Gynecol 115:576-7, 15 Feb 73

Antineoplastic and immunosuppressive drugs. II. Therapeutic uses. Cridland MD. Drugs 3:331-51, 1972 (107 ref.)

Intravesical hydrostatic pressure treatment: new metbod for control of bleeding from the bladder mucosa. Holstein P, et al. J Urol 109:234-6, Feb 73

Cancer, cholesterol and cholestyramine. Addleman W. N Engl J Med 287:1047, 16 Nov 72

The diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73

[Primary chorioepithelioma of the ovary. Therapeutic

perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 **(Fre)**

[Podophyllin derivatives in chemotherapy of malignant tumors] Limburg H.
Planta Med 22:348-57, Nov 72 (Eng. Abstr.) **(Ger)**

[Therapeutic results of advanced malignant ovarian tumours] Taubert W, et al.
Radiobiol Radiother (Berl) 14:11-6, 1973 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Enzyme histochemistry of experimental ovarian tumors in mice. Ueda G, et al.
Acta Obstet Gynaecol Jap 19:16-24, Jan 72

[Hexokinase isoenzyme in human malignant tumor tissues] Neffakh SA, et al.
Dokl Akad Nauk SSSR 206:743-6, 21 Sep 72 **(Rus)**

ETIOLOGY

Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Fine G, et al.
Cancer 31:398-410, Feb 73

[Coffee consumption and neoplasm induction--no causal relation] Heyden S.
Z Ernaehrungswiss [Suppl] 14:Suppl 14:11-8, 1972 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Consistent chromosome abnormalities in each of three cases of childhood lymphosarcoma. Erkman-Balis B, et al. **Eur J Cancer** 8:683-8, Dec 72

[Study of errors of chromosome distribution based on the karyotype variability in a carcinoma of the ovary] Zara C, et al. **Ann Ostet Ginecol** 93:405-12, Jun 72 **(Ita)**

IMMUNOLOGY

Cell-mediated immunity in patients with ovarian carcinoma. Chen SY, et al.
Am J Obstet Gynecol 115:467-70, 15 Feb 73

Proportion of T and B lymphocytes in lesions of Marek's disease: theoretical implications for pathogenesis. Rouse BT, et al. **J Immunol** 110:534-9, Feb 73

METABOLISM

[Estrogen-producing tumors of the ovary and their relation to the endometrial carcinoma] Kruschwitz S.
Arch Gynaekol 213:150-61, 1972 (Eng. Abstr.) **(Ger)**

[Functioning tumor of the ovary] Hosokawa T.
Clin Endocrinol (Tokyo) 20:897-9, Oct 72 **(Jap)**

MORTALITY

Ovarian carcinoma--a 10-year series from a provincial hospital. Timm J.
Acta Obstet Gynecol Scand 52:103-8, 1973

Radiogold treatment of epithelial cancer of ovary: late results. Decker DG, et al.
Am J Obstet Gynecol 115:751-8, 15 Mar 73

The diagnosis and management of ovarian cancer. Decker DG. **South Med J** 66:369-74, Mar 73

OCCURRENCE

Thecoma in pregnancy. Gough HM, et al.
Can Med Assoc J 108:595-7, 3 Mar 73

Ovarian cancer associated with pregnancy. Chung A, et al. **Obstet Gynecol** 41:211-4, Feb 73

[The incidence of previous hysterectomies and-or unilateral ovariectomy in women with malignant ovarian tumors] Kofler E.
Geburtshilfe Frauenheilkd 32:873-81, Oct 72 (Eng. Abstr.) **(Ger)**

[The influence of hysterectomy and unilateral ovariectomy on the occurrence of ovarian tumors] Wagenbichler P, et al.
Geburtshilfe Frauenheilkd 32:882-90, Oct 72 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of malignant ovarian tumors at the 1st University Hospital for Women in Vienna between 1956 and 1964] Kofler E, et al.
Osterr Z Erforsch Bekaempf Krebskr 27:375-91, 1972 (Eng. Abstr.) **(Ger)**

[Ovarian tumors and pregnancy] Ruckhäberle B, et al.
Zentralbl Gynaekol 94:1729-36, 16 Dec 72 **(Ger)**

PATHOLOGY

Psammoma bodies found in cervico-vaginal smears. Benson PA.
Acta Cytol (Baltimore) 17:64-6, Jan-Feb 73

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al.
Am J Med 54:229-33, Feb 73

Endometrioid tumor of the ovary with mucinous and serous components. Anderson MC.
Am J Obstet Gynecol 113:686-90, 1 Jul 72

Radiogold treatment of epithelial cancer of ovary: late results. Decker DG, et al.
Am J Obstet Gynecol 115:751-8, 15 Mar 73

Thecoma in pregnancy. Gough HM, et al.
Can Med Assoc J 108:595-7, 3 Mar 73

Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Fine G, et al.
Cancer 31:398-410, Feb 73

Arrhenoblastoma in a 12-year-old girl. Brant J.
Int Surg 58:135-7, Feb 73

The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. **J Obstet Gynaecol Br Commonw** 79:846-8, Sep 72

Cutaneous meningiomas and an ovarian fibroma in a three-year-old girl. Junaid TA, et al.
J Pathol 108:165-7, Oct 72

Primary malignant melanoma in a dermoid cyst of the ovary. Leo S, et al. **Obstet Gynecol** 41:205-10, Feb 73

The embryology of supernumerary ovaries. Printz JL, et al. **Obstet Gynecol** 41:246-52, Feb 73

The diagnosis and management of ovarian cancer. Decker DG. **South Med J** 66:369-74, Mar 73

Influence of staging on the selection of therapy for carcinomas of the true pelvis. Long RT.
South Med J 66:317-20, Mar 73 (20 ref.)

[2 thecal tumors of the ovary] Lagadec JC, et al.
Rev Fr Gynecol Obstet 67:533-6, Oct 72 (Eng. Abstr.) **(Fre)**

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. **Med Klin** 68:80-3, 19 Jan 73 (Eng. Abstr.) **(Ger)**

[Ovarian tumors and pregnancy] Ruckhäberle B, et al.
Zentralbl Gynaekol 94:1729-36, 16 Dec 72 **(Ger)**

[Classification of ovarian teratoid tumors] Tennstedt A. **Zentralbl Gynaekol** 94:1742-6, 16 Dec 72 **(Ger)**

[Possible reasons for an increased background in tritiated autoradiograms during prolonged exposures] Merkulov MF, et al.
Tsitologiia 15:111-4, Jan 73 **(Rus)**

PREVENTION & CONTROL

[The incidence of previous hysterectomies and-or unilateral ovariectomy in women with malignant ovarian tumors] Kofler E.
Geburtshilfe Frauenheilkd 32:873-81, Oct 72 (Eng. Abstr.) **(Ger)**

[The influence of hysterectomy and unilateral ovariectomy on the occurrence of ovarian tumors] Wagenbichler P, et al.
Geburtshilfe Frauenheilkd 32:882-90, Oct 72 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Results obtained by the projection-difference index (Px per cent)] Wiljasalo M, et al.
Radiol Diagn (Berl) 13:609-12, 1972 **(Ger)**

[Demonstration of malignant gynecologic neoplasm recurrences in the small pelvis using combined lympho-pneumopelvigraphy] Mach S.
Zentralbl Gynaekol 94:1802-10, 30 Dec 72 **(Ger)**

RADIOTHERAPY

Fibrin degradation products during postoperative radiotherapy of ovarian carcinoma. Svanberg L, et al.
Acta Obstet Gynecol Scand 52:141-5, 1973

Ovarian carcinoma--a 10-year series from a provincial hospital. Timm J.
Acta Obstet Gynecol Scand 52:103-8, 1973

Radiogold treatment of epithelial cancer of ovary: late results. Decker DG, et al.
Am J Obstet Gynecol 115:751-8, 15 Mar 73

1,3-Bis (2-chloroethyl)-1-nitrosourea: effects on advanced ovarian carcinoma. Godfrey TE, et al.
Am J Obstet Gynecol 115:576-7, 15 Feb 73

Radiation hepatitis induced by abdominal irradiation with the cobalt 60 moving strip technique. Wharton

JT, et al.
Am J Roentgenol Radium Ther Nucl Med 117:73-80, Jan 73
Ovarian cancer associated with pregnancy. Chung A, et al. Obstet Gynecol 41:211-4, Feb 73
The diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73
Influence of staging on the selection of therapy for carcinomas of the true pelvis. Long RT. South Med J 66:317-20, Mar 73 (20 ref.)
[Therapeutic results of advanced malignant ovarian tumours] Taubert W, et al.
Radiobiol Radiother (Berl) 14:11-6, 1973 (Eng. Abstr.) (Ger)
[Radiotherapy in gynecology] Ries J.
Z Allgemeinmed 48:1540-9, 30 Nov 72 (Ger)
[A case of post-radiation rhabdomyosarcoma] Kovalenko VL, et al.
Klin Med (Mosk) 50:138-9, Sep 72 (Rus)

SURGERY

Fibrin degradation products during postoperative radiotherapy of ovarian carcinoma. Svanberg L, et al. Acta Obstet Gynecol Scand 52:141-5, 1973
Ovarian carcinoma--a 10-year series from a provincial hospital. Timm J.
Acta Obstet Gynecol Scand 52:103-8, 1973
Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al.
Am J Med 54:229-33, Feb 73
Radiogoid treatment of epithelial cancer of ovary: late results. Decker DG, et al.
Am J Obstet Gynecol 115:751-8, 15 Mar 73
1,3-Bis (2-chloroethyl)-1-nitrosourea: effects on advanced ovarian carcinoma. Godfrey TE, et al.
Am J Obstet Gynecol 115:576-7, 15 Feb 73
The PMPO syndrome (postmenopausal palpable ovary syndrome). Barber HR, et al. CA 22:357-9, Nov-Dec 72
Arrhenoblastoma in a 12-year-old girl. Brant J.
Int Surg 58:135-7, Feb 73
The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72
Ovarian cancer associated with pregnancy. Chung A, et al. Obstet Gynecol 41:211-4, Feb 73
Primary malignant melanoma in a dermoid cyst of the ovary. Leo S, et al. Obstet Gynecol 41:205-10, Feb 73
The diagnosis and management of ovarian cancer. Decker DG. South Med J 66:369-74, Mar 73
Influence of staging on the selection of therapy for carcinomas of the true pelvis. Long RT. South Med J 66:317-20, Mar 73 (20 ref.)
[Primary chorioepithelioma of the ovary. Therapeutic perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)
[Ureteral alterations following gynecologic surgery] Agar A, et al.
Zentralbl Gynaekol 94:1632-4, 25 Nov 72 (Ger)

THERAPY

Ovarian carcinoma--a 10-year series from a provincial hospital. Timm J.
Acta Obstet Gynecol Scand 52:103-8, 1973
Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Fine G, et al.
Cancer 31:398-410, Feb 73
[Primary chorioepithelioma of the ovary. Therapeutic perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)
[Diagnosis and therapy of malignant ovarian tumors at the 1st University Hospital for Women in Vienna between 1956 and 1964] Kofler E, et al.
Osterr Z Erforsch Bekaempf Krebskr 27:375-91, 1972 (Eng. Abstr.) (Ger)
[Therapeutic results of advanced malignant ovarian tumours] Taubert W, et al.
Radiobiol Radiother (Berl) 14:11-6, 1973 (Eng. Abstr.) (Ger)
[Results of treatment of advanced stage of ovarian cancer] Simm S, et al.
Ginekol Pol 44:45-50, Jan 73 (Eng. Abstr.) (Pol)

VETERINARY

Tumors in nonhuman primates: observations during a six-year period in the Yerkes primate center colony. McClure HM. Am J Phys Anthropol 38:425-9, Mar 73

OVARY

ABNORMALITIES

[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M.
C R Soc Biol (Paris) 166:906-8, 1972 (Fre)

PSEUDOHERMAPHRODITISM

Late development of squamous cell carcinoma in a split-skin graft lining a vagina. Case report. Steffanoff DN. Plast Reconstr Surg 51:454-6, Apr 73
Gonadal hormones and behavior of normal and pseudohermaphroditic nonhuman female primates. Goy RW, et al. Recent Prog Horm Res 28:707-33, 1972

DIAGNOSIS

[Cytogenetics in obstetrical and gynecological practice] Gardó S, et al.
Zentralbl Gynaekol 95:209-16, 16 Feb 73 (Ger)

FAMILIAL & GENETIC

An intersex (male pseudohermaphrodite) horse with 64 XX-65 XXY mosaicism. Bouters R, et al.
Equine Vet J 4:150-3, Jul 72

METABOLISM

Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Goldman AS, et al. Proc Soc Exp Biol Med 142:691-6, Feb 73

PATHOLOGY

An intersex (male pseudohermaphrodite) horse with 64 XX-65 XXY mosaicism. Bouters R, et al.
Equine Vet J 4:150-3, Jul 72

VETERINARY

An intersex (male pseudohermaphrodite) horse with 64 XX-65 XXY mosaicism. Bouters R, et al.
Equine Vet J 4:150-3, Jul 72

PUBERTY, PRECOCIOUS

BLOOD

Determination of serum testosterone and androstanediol by competitive protein binding. Strickland AL, et al. Steroids 21:27-46, Jan 73

COMPLICATIONS

Syndrome of growth resistance, obesity and intellectual impairment with precocious puberty. Parkin JM. Arch Dis Child 48:86-7, Jan 73

DIAGNOSIS

Evaluation of the child with isosexual precocious puberty. Root AW. Del Med J 45:73-9, Mar 73

DRUG THERAPY

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73

ETIOLOGY

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73
Evaluation of the child with isosexual precocious puberty. Root AW. Del Med J 45:73-9, Mar 73
[Hypothyroidism and precocious testicular maturation. Report of a case and review of the literature] Cordero GL, et al.
Rev Clin Esp 128:83-8, 15 Jan 73 (Eng. Abstr.) (Spa)

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46-1972.
N Engl J Med 287:1033-40, 16 Nov 72

THERAPY

Evaluation of the child with isosexual precocious puberty. Root AW. Del Med J 45:73-9, Mar 73

SERTOLI CELL TUMOR

OCCURRENCE

Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73

PATHOLOGY

Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73

SURGERY

Testicular neoplasms in children. Boatman DL, et al. J Urol 109:315-7, Feb 73

[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)

SEX CHROMOSOME ABNORMALITIES

Molecular aspects of the Lesch-Nyhan syndrome. Seegmiller JE. Biochimie 54:703-8, 1972

Effects of the XYY karyotype in one of two brothers with congenital adrenal hyperplasia. Mallin SR, et al. Clin Genet 3:490-4, 1972

Identification and complementation in the differentiation of gender identity. Money J. Dan Med Bull 19:265-8, Dec 72

The influence of inactive chromosomes on human development. Anomalous sex chromosome complements and the phenotype. Barlow P. Humangenetik 17:105-36, 1973

Chromosome mutations: frequency at birth in humans. Jacobs PA. Humangenetik 16:137-40, 1972

Inactivation system of the mammalian X chromosome. Brown SW, et al. Proc Natl Acad Sci USA 70:195-9, Jan 73

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. Recent Prog Horm Res 28:627-63, 1972

[Children with chromosome abnormalities in a pediatric department] Nielsen J, et al. Ugeskr Laeger 135:408-15, 19 Feb 73 (Eng. Abstr.) (Dan)

[X ring chromosome] Bléder J, et al. Ann Med Psychol (Paris) 2:402-9, Sep-Oct 72 (Fre)

[Aggressivity, mental retardation and epilepsy in a patient with a 47 XYY-48XXYY karyotype] Benezech M, et al. Rev Neuropsychiatr Infant 20:773-5, Oct 72 (Eng. Abstr.) (Fre)

[New data on the genetics and classification of muscular dystrophies] Becker PE. Humangenetik 17:1-22, 1972 (62 ref.) (Eng. Abstr.) (Ger)

[Congenital malformations in an infant with triple x karotype] Dar H, et al. Harefuah 83:243-4, 15 Sep 72 (Eng. Abstr.) (Heb)

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al. Jap J Clin Med 30:2262-8, Nov 72 (Jap)

BLOOD

Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al. Acta Endocrinol (Kbh) 72:191-6, Jan 73

COMPLICATIONS

[A gene for delinquency. Myth or reality?] Moor L. Ann Med Psychol (Paris) 2:520-7, Nov 72 (Fre)

[45,X-46,XX-47,XXX karyotype and tumor of the nervous system. 2 cases] Ayraud N, et al. Nouv Presse Med 1:2902, 2 Dec 72 (Fre)

DIAGNOSIS

Sex chromosome aberrations in childhood. II. 45,X and 45,X-mosaics. Kiss P, et al. Acta Paediatr Acad Sci Hung 13:1-17, 1972

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al. Andrologie 4:75-83, 1972

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al. Andrologie 4:69-74, 1972

Incidence of XYY and XXY individuals in a security hospital population. De Bault LE, et al. Dis Nerv Syst 33:590-3, Sep 72

[Chromosome aberrations in children from endangered pregnancies] Goetz P. Cesk Pediatr 28:12-6, Jan 73 (Cze)

[Medical problems during the Olympic Games] Heiss F. Z Allgemeinmed 48:1550-2, 30 Nov 72 (Ger)

[Cytogenetics in obstetrical and gynecological practice] Gardó S, et al. Zentralbl Gynaekol 95:209-16, 16 Feb 73 (Ger)

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al. Jap J Clin Med 30:2262-8, Nov 72 (Jap)

EMBRYOLOGY

Abnormal sex determination and differentiation in man. Boczkowski K. Obstet Gynecol 41:310-4, Feb 73

FAMILIAL & GENETIC

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al. Andrologie 4:69-74, 1972

Application of new technics of chromosome identification to cytogenetic problems. Borgaonkar DS. Birth Defects 9:171-82, Jan 73

Gender role-identity and sexual behaviour in persons with sex chromosome aberrations. Nielsen J. Dan Med Bull 19:269-75, Dec 72

X-linked hereditary spastic paraplegia. Raggio JF, et al. J La State Med Soc 125:4-5, Jan 73

Results of 538 chromosome studies on patients referred for cytogenetic analysis. Mulcahy MT, et al. Med J Aust 2:1333-8, 9 Dec 72

Paternal transmission of maleness in XX human beings. Kasdan R, et al. N Engl J Med 288:539-45, 15 Mar 73

Sex-determining genes and the Y-chromosome. Milunsky A. N Engl J Med 288:577-8, 15 Mar 73

[A further case of 49 (XXXXY) karyotype. Discussion of the chromosomal mechanism of this disease] Rolland M, et al. Arch Fr Pediatr 29:565, May 72 (Fre)

[Tetrasomy X (karyotype 48, XXXX) in a 2 and one-half year old girl] Izakovič V, et al. Cesk Pediatr 28:77-9, Feb 73 (Eng. Abstr.) (Slo)

IMMUNOLOGY

Immunological aberrations in patients with aneuploid chromosome abnormalities and in their parents. Nielsen J. Humangenetik 16:171-6, 1972

METABOLISM

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al. Andrologie 4:69-74, 1972

OCCURRENCE

Incidence of XYY and XXY individuals in a security hospital population. De Bault LE, et al. Dis Nerv Syst 33:590-3, Sep 72

PATHOLOGY

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al. Andrologie 4:69-74, 1972

URINE

Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al. Acta Endocrinol (Kbh) 72:191-6, Jan 73

SEX DIFFERENTIATION DISORDERS

Identification and complementation in the differentiation of gender identity. Money J. Dan Med Bull 19:265-8, Dec 72

Phyletic and idiosyncratic determinants of gender identity. Money J. Dan Med Bull 19:259-64, Dec 72
Gender differences. Lancet 1:411-2, 24 Feb 73
Ambiguous genitalia.
Med Lett Drugs Ther 14:20, 17 Mar 72
Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)
Abnormal sex determination and differentiation in man. Boczkowski K. Obstet Gynecol 41:310-4, Feb 73
[Trisomy for the distal part of the short arm of the number 3 chromosome in 3 siblings. First example of chromosomal insertion: INS(7;3)(q 31;p 21 p 26)] Rethoré MO, et al.
Ann Genet (Paris) 15:159-65, Sep 72 (Fre)
[Phenomena of ovarian atresia observed during sex differentiation in the sea bream, Boops salpa Linné, teleost fish (Sparidae)] Michele M.
C R Soc Biol (Paris) 166:906-8, 1972 (Fre)

EMBRYOLOGY

Abnormal sex determination and differentiation in man. Boczkowski K. Obstet Gynecol 41:310-4, Feb 73

FAMILIAL & GENETIC

Sex-determining genes and the Y-chromosome. Milunsky A. N Engl J Med 288:577-8, 15 Mar 73
Abnormal sex determination and differentiation in man. Boczkowski K. Obstet Gynecol 41:310-4, Feb 73

STEIN-LEVENTHAL SYNDROME

[Stein-Leventhal syndrome during puberty and adolescence] Markovski N.
Akush Ginekol (Sofiia) 11:327-33, 1972 (Eng. Abstr.) (Bul)

COMPLICATIONS

The gynecologic aspects of adrenal tumors. Zourlas PA, et al. Obstet Gynecol 41:234-8, Feb 73
[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger)
[Maturation, fertilization and division of human ovocytes in polycystic ovaries in vitro] Körner H.
Zentralbl Gynaekol 95:217-24, 16 Feb 73 (Ger)

DIAGNOSIS

Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
[Obesity] Irle M, et al.
Jap J Clin Med 30:2230-4, Nov 72 (20 ref.) (Jap)

DRUG THERAPY

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al.
Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)
[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolb R, et al.
Geburtshilfe Frauenheilkd 32:900-2, Oct 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
[Maturation, fertilization and division of human ovocytes in polycystic ovaries in vitro] Körner H.
Zentralbl Gynaekol 95:217-24, 16 Feb 73 (Ger)

RADIOGRAPHY

Pelvic pneumography: procedure and technique. Hough JE. Radiol Technol 44:231-45, Jan-Feb 73

THERAPY

[Maturation, fertilization and division of human ovocytes in polycystic ovaries in vitro] Körner H.
Zentralbl Gynaekol 95:217-24, 16 Feb 73 (Ger)

STRUMA OVARII

COMPLICATIONS

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

METABOLISM

[Functioning tumor of the ovary] Hosokawa T.
Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

PATHOLOGY

[Struma ovarii: teratoma or metastasis?] Sigwart U, et al. Med Klin 68:80-3, 19 Jan 73 (Eng. Abstr.) (Ger)

TESTICULAR DISEASES

CHEMICALLY INDUCED

The ultrastructural pathology of the rat epididymis after administration of -chlorhydrin (U-5897). I. Effects of a single high dose. Hoffer AP, et al.
Anat Rec 175:203-29, Feb 73
Chemical occlusion of vas in rats. Setty BS, et al.
Contraception 6:329-33, Oct 72

COMPLICATIONS

Testicular biopsy in the study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73

ETIOLOGY

Testicular complications following renal transplantation. Penn I, et al.
Ann Surg 176:697-9, Dec 72
[Rupture of the testicle] Schulman CC.
Acta Urol Belg 40:604-6, Jul 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al.
Jap J Clin Med 30:2262-8, Nov 72 (Jap)

PATHOLOGY

The ultrastructural pathology of the rat epididymis after administration of -chlorhydrin (U-5897). I. Effects of a single high dose. Hoffer AP, et al.
Anat Rec 175:203-29, Feb 73
Testicular biopsy in the study of male infertility. Wong TW, et al. Arch Pathol 95:151-9, Mar 73
Defective spermiogenesis in a 9-year-old stallion.
J Am Vet Med Assoc 162:142-7, 15 Jan 73

SURGERY

The availability of patients for teaching purposes in the Perth metropolitan area, March to May, 1971. Reynolds CL, et al. Med J Aust 2:891-5, 14 Oct 72

VETERINARY

Defective spermiogenesis in a 9-year-old stallion.
J Am Vet Med Assoc 162:142-7, 15 Jan 73

TESTICULAR FEMINIZATION

[Incomplete testicular feminization] Csaba I, et al.
Orv Hetil 114:503-5, 4 Mar 73 (Hun)

BLOOD

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73

DIAGNOSIS

[Hormonal cytology in cases of testicular feminization

syndrome] Boczkowski K, et al.
Ginekol Pol 44:51-4, Jan 73 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

ETIOLOGY

Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

SURGERY

[Hormonal cytology in cases of testicular feminization syndrome] Boczkowski K, et al.
Ginekol Pol 44:51-4, Jan 73 (Eng. Abstr.) (Pol)

URINE

Simultaneous determination of urinary androstanediol and testosterone as an evaluation of human androgenicity. Mauvais-Jarvis P, et al.
J Clin Endocrinol Metab 36:452-9, Mar 73
[A case of transient gynecomasty with hyperestrogenesis of nontumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

TESTICULAR NEOPLASMS

Teratomas in children. Claireaux AE, et al.
Arch Dis Child 48:159-60, Feb 73
Effects of single doses of radiation on lung metastases in man and experimental animals. Peperzeel HA van.
Eur J Cancer 8:865-75, Dec 72
Bilateral teratoma of testis in an infant. Carney JA, et al. J Pediatr Surg 8:49-54, Feb 73
[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)

BLOOD

Radioimmunoassay for human alpha 1 -fetoprotein. Silver HK, et al.
Proc Natl Acad Sci USA 70:526-30, Feb 73

CHEMICALLY INDUCED

Nasal and other tumours in rats given 3,4,5-trimethoxy-cinnamaldehyde, a derivative of sinapaldehyde and of other , -unsaturated aldehydic wood lignin constituents. Schoental R, et al.
Br J Cancer 26:504-5, Dec 72
Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72

CLASSIFICATION

[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)
[Pathways of metastasis of testicular neoplasms and their lymphographic metastatic morphology] Elke M, et al. Radiol Diagn (Berl) 13:660-4, 1972 (Ger)

COMPLICATIONS

Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. South Med J 66:129-34, Jan 73

EMBRYOLOGY

A genetically caused embryonal ectodermal tumor in the mouse. Artzt K, et al.
J Natl Cancer Inst 48:141-58, Jan 72

ENZYMOLOGY

Arginase in human urogenital tumors. Yamanaka H, et al. Gann 63:693-700, Dec 72
[Lactate dehydrogenase isoenzymes in the genitalia of the male rat grafted with a testicular interstitial gland tumor] Callard R.
Experientia 28:1474-5, 15 Dec 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

A genetically caused embryonal ectodermal tumor in the mouse. Artzt K, et al.
J Natl Cancer Inst 48:141-58, Jan 72
Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72
Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. South Med J 66:129-34, Jan 73
[Local change in chromosome spiralization in human testicular tumors] Zakharov AF, et al.
Tsitologiia 14:1092-7, Sep 72 (Eng. Abstr.) (Rus)
[Familial occurrence of malignant testicular tumors] Vilček E.
Bratisl Lek Listy 59:199-202, Feb 73 (Eng. Abstr.) (Slo)

IMMUNOLOGY

The cancer associated antigen test as an index to failure of complete removal of urological cancers. Wechsler M, et al. Trans Am Assoc Genitourin Surg 64:85-7, 1972

OCCURRENCE

Testicular neoplasms in children. Boatman DL, et al.
J Urol 109:315-7, Feb 73
The undescended testis. Levin A, et al.
Surg Gynecol Obstet 136:473-9, Mar 73
[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)

PATHOLOGY

Histologically benign teratoid metastasis of testicular embryonal carcinoma: report of five cases. Willis GW, et al. Am J Clin Pathol 59:338-43, Mar 73
Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis. Snell KC, et al.
J Natl Cancer Inst 49:1381-93, Nov 72
Microscopic testicular teratoma with chorionepitheliomatous metastases. Salm R.
J Pathol 108:91-4, Sep 72
Bilateral teratoma of testis in an infant. Carney JA, et al. J Pediatr Surg 8:49-54, Feb 73
Testicular neoplasms in children. Boatman DL, et al.
J Urol 109:315-7, Feb 73
[Testicular myeloma] De Leval J.
Acta Urol Belg 40:597-603, Jul 72 (Eng. Abstr.) (Fre)
[Spermatocytic seminoma with fatal outcome] Serov RA, et al. Arkh Patol 35:74-5, 1973 (Rus)

PHYSIOPATHOLOGY

[Loss of emission following retroperitoneal lymph node dissection in testicular tumor] Kawai T, et al.
Jap J Urol 63:906-11, Nov 72 (Eng. Abstr.) (Jap)

PREVENTION & CONTROL

The undescended testicle. Smith RE.
Practitioner 210:204-8, Feb 73

RADIOGRAPHY

[Lymphographic criteria for metastases in the lymphoangiogram--diagnosis and differential diagnosis] Beitz L, et al.
Radiol Diagn (Berl) 13:604-9, 1972 (Eng. Abstr.) (Ger)
[Cavography and relymphography as important additional examinations in testicular neoplasms and gynecologic carcinomas] Blaudow K.
Radiol Diagn (Berl) 13:674-7, 1972 (Ger)
[Pathways of metastasis of testicular neoplasms and their lymphographic metastatic morphology] Elke M, et al. Radiol Diagn (Berl) 13:660-4, 1972 (Ger)
[The value of additional angiographic examinations in the lymphographic diagnosis of metastases] Platzbecker H, et al.
Radiol Diagn (Berl) 13:679-80, 1972 (Ger)
[Estimation of the biological condition of lymph node

metastases from the lymphogram] Röder K. **Radiol Diagn (Berl)** 13:646-9, 1972 **(Ger)**
[Additional examinations with the routine lymphogram] Röder K. **Radiol Diagn (Berl)** 13:665-72, 1972 **(Ger)**
[Indication for and value of lymphographic studies] Sieher F. **Radiol Diagn (Berl)** 13:651-5, 1972 **(Ger)**

RADIOTHERAPY

Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. **J Urol** 109:293-5, Feb 73

SURGERY

Histologically benign teratoid metastasis of testicular embryonal carcinoma: report of five cases. Willis GW, et al. **Am J Clin Pathol** 59:338-43, Mar 73
Bilateral teratoma of testis in an infant. Carney JA, et al. **J Pediatr Surg** 8:49-54, Feb 73
Testicular neoplasms in children. Boatman DL, et al. **J Urol** 109:315-7, Feb 73
Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. **J Urol** 109:293-5, Feb 73
[Testicular myeloma] De Leval J. **Acta Urol Belg** 40:597-603, Jul 72 (Eng. Abstr.) **(Fre)**
[Testicular tumors and their ectopic localization] Jayet A, et al. **Helv Chir Acta** 39:755-72, Dec 72 **(Fre)**
[Loss of emission following retroperitoneal lymph node dissection in testicular tumor] Kawai T, et al. **Jap J Urol** 63:906-11, Nov 72 (Eng. Abstr.) **(Jap)**
[Surgical treatment of hydrocele by Lord's method] Lichodziejewski K. **Pol Przegl Chir** 45:63-5, Jan 73 (Eng. Abstr.) **(Pol)**

THERAPY

Fertility in patients treated for malignant testicular tumors. Orecklin JR, et al. **J Urol** 109:293-5, Feb 73

VETERINARY

Tumors in nonhuman primates: observations during a six-year period in the Yerkes primate center colony. McClure HM. **Am J Phys Anthropol** 38:425-9, Mar 73
Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis. Snell KC, et al. **J Natl Cancer Inst** 49:1381-93, Nov 72

TESTIS

ABNORMALITIES

Anomalies of the genitourinary tract associated with congenital scoliosis and congenital kyphosis. Vitko RJ, et al. **J Urol** 108:655-9, Oct 72
Hernias and related problems in infants and children. Keeley JL. **Postgrad Med** 53:169-75, Mar 73
The undescended testis. Levin A, et al. **Surg Gynecol Obstet** 136:473-9, Mar 73
Sterile male of the rat-flea Xenopsylla cheopis rothschild (Siphonaptera). Prasad RS. **Trans R Soc Trop Med Hyg** 66:945-6, 1972
[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. **Probl Endokrinol (Mosk)** 18:14-9, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

THECA CELL TUMOR

Thecoma in pregnancy. Gough HM, et al. **Can Med Assoc J** 108:595-7, 3 Mar 73
[2 thecal tumors of the ovary] Lagadec JC, et al. **Rev Fr Gynecol Obstet** 67:533-6, Oct 72 (Eng. Abstr.) **(Fre)**

BLOOD

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al. **Am J Med** 54:229-33, Feb 73

COMPLICATIONS

[Estrogen-producing tumors of the ovary and their relation to the endometrial carcinoma] Kruschwitz S. **Arch Gynaekol** 213:150-61, 1972 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al. **Am J Med** 54:229-33, Feb 73

METABOLISM

[Functioning tumor of the ovary] Hosokawa T. **Clin Endocrinol (Tokyo)** 20:897-9, Oct 72 **(Jap)**

OCCURRENCE

Thecoma in pregnancy. Gough HM, et al. **Can Med Assoc J** 108:595-7, 3 Mar 73

PATHOLOGY

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al. **Am J Med** 54:229-33, Feb 73
Thecoma in pregnancy. Gough HM, et al. **Can Med Assoc J** 108:595-7, 3 Mar 73
[2 thecal tumors of the ovary] Lagadec JC, et al. **Rev Fr Gynecol Obstet** 67:533-6, Oct 72 (Eng. Abstr.) **(Fre)**

SURGERY

Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al. **Am J Med** 54:229-33, Feb 73

TURNER'S SYNDROME

Cognitive style and gender role in persons with sex chromosome aberrations. Theilgaard A. **Dan Med Bull** 19:276-86, Dec 72
Age-related variation in the number of secondary associations between acrocentric chromosomes in normal females and patients with Turner's syndrome. Cooke P. **Humangenetik** 17:29-35, 1972
Diabetes mellitus in patients with aneuploid chromosome aberrations and in their parents. Nielsen J. **Humangenetik** 16:165-70, 1972
Satellite association. A possible cause of chromosome aberrations. Rosenkranz W, et al. **Humangenetik** 16:147-50, 1972
Turner's syndrome: report of a case. White BJ. **J Am Osteopath Assoc** 72:490-3, Jan 73
Gender differences. **Lancet** 1:411-2, 24 Feb 73
Gender dimorphic behavior and fetal sex hormones. Money J, et al. **Recent Prog Horm Res** 28:735-63, 1972
[Children with chromosome abnormalities in a pediatric department] Nielsen J, et al. **Ugeskr Laeger** 135:408-15, 19 Feb 73 (Eng. Abstr.) **(Dan)**

BLOOD

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al. **Clin Chem** 19:197-200, Feb 73
Episodic secretion of luteinizing hormone (LH) in adolescent patients with the syndrome of gonadal dysgenesis. Keich RP, et al. **J Clin Endocrinol Metab** 36:424-7, Mar 73
Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res** 28:201-27, 1972
[Evaluation of the functional state of the thyroid gland in dwarfism using the radioisotope method of investigation] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 18:37-41, Jul-Aug 72 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Sex chromosome aberrations in childhood. II. 45,X and 45,X-mosaics. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 13:1-17, 1972
[Structure of sexual gland rudiments in gonadal dysgenesis and problem of the classification of these disorders of the sexual system] Bresler VM. **Arkh Patol** 35:66-72, 1973 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Cardiomyopathy in Noonan's syndrome. Report of 3 cases. Phornphutkul C, et al.
Br Heart J 35:99-102, Jan 73

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73

Radiologic seminar. CXXIV. Gonadal dysgenesis. Gibson JY. **J Miss State Med Assoc 14:50-1, Feb 73**

Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. **South Med J 66:129-34, Jan 73**

[Urinary malformations in Turner's syndrome] Bauchart J, et al.
Rev Fr Gynecol Obstet 67:553-7, Oct 72 (Eng. Abstr.) (Fre)

[Gonosome complement and growth disorders in gonadal dysgenesis with female phenotype] Genkova P, et al.
Endokrinologie 60:194-204, 1972 (Eng. Abstr.) (Ger)

[Studies of growth dystrophies] Florea I, et al.
Stud Cercet Endocrinol 23:411-6, 1972 (Rum)

[X-ray studies in various congenital defects of sexual development] Markarova OS, et al.
Probl Endokrinol (Mosk) 18:21-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

Sex chromosome aberrations in childhood. II. 45,X and 45,X-mosaics. Kiss P, et al.
Acta Paediatr Acad Sci Hung 13:1-17, 1972

[Mammo-renal syndrome] Leiber B, et al.
Monatsschr Kinderheilkd 121:40-2, Jan 73 (Ger)

[Diagnostic significance of dermatoglyphics] Banach K.
Wiad Lek 26:315-8, 15 Feb 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

Turner's syndrome: report of a case. White BJ.
J Am Osteopath Assoc 72:490-3, Jan 73

EMBRYOLOGY

Abnormal sex determination and differentiation in man. Boczkowski K. **Obstet Gynecol 41:310-4, Feb 73**

ETIOLOGY

Radiologic seminar. CXXIV. Gonadal dysgenesis. Gibson JY. **J Miss State Med Assoc 14:50-1, Feb 73**

[Study of carbohydrate metabolism in patients with gonadal dysgenesis and their parents] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:42-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Cardiomyopathy in Noonan's syndrome. Report of 3 cases. Phornphutkul C, et al.
Br Heart J 35:99-102, Jan 73

Turner's syndrome: report of a case. White BJ.
J Am Osteopath Assoc 72:490-3, Jan 73

Trimethylaminuria and inherited Noonan's syndrome. Calvert GD. **Lancet 1:320-1, 10 Feb 73**

Results of 538 chromosome studies on patients referred for cytogenetic analysis. Mulcahy MT, et al.
Med J Aust 2:1333-8, 9 Dec 72

Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. Goldner F, et al. **South Med J 66:129-34, Jan 73**

[Ovarian dysgenesis in chromosomal and phenotypically normal women] Bock JE.
Ugeskr Laeger 135:14-5, 1 Jan 73 (Eng. Abstr.) (Dan)

[Turner phenotype in males] Nielsen J, et al.
Ugeskr Laeger 135:122-4, 15 Jan 73 (Eng. Abstr.) (Dan)

[Genetic counseling in cases of genodermatosis] Kozlowski J, et al.
Przegl Dermatol 59:683-9, Sep-Oct 72 (13 ref.) (Pol)

[Structure of sexual gland rudiments in gonadal dysgenesis and problem of the classification of these disorders of the sexual system] Bresler VM.
Arkh Patol 35:66-72, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Van Campenhout J, et al.
Fertil Steril 24:1-9, Jan 73

Immunological aberrations in patients with aneuploid chromosome abnormalities and in their parents. Nielsen J. **Humangenetik 16:171-6, 1972**

METABOLISM

[Study of carbohydrate metabolism in patients with gonadal dysgenesis and their parents] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:42-4, Jul-Aug 72 (Eng. Abstr.) (Rus)

PATHOLOGY

[Structure of sexual gland rudiments in gonadal dysgenesis and problem of the classification of these disorders of the sexual system] Bresler VM.
Arkh Patol 35:66-72, 1973 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Evaluation of the functional state of the thyroid glad in dwarfism using the radioisotope method of investigation] Slavnov VN, et al.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Radiologic seminar. CXXIV. Gonadal dysgenesis. Gibson JY. **J Miss State Med Assoc 14:50-1, Feb 73**

Radiographic findings in Turner's syndrome. Armstrong MK, et al. **Tex Med 69:95-100, Jan 73**

[X-ray studies in various congenital defects of sexual development] Markarova OS, et al.
Probl Endokrinol (Mosk) 18:21-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

ADMINISTRATION & DOSAGE

[Protein anabolic steroid] Umehara C, et al. **Clin Endocrinol (Tokyo)** 20:809-12, Oct 72 (11 ref.) **(Jap)**

ADVERSE EFFECTS

[Hormonotherapy and the voice] Cornut G. **J Fr Otorhinolaryngol** 21:691-2 passim, Oct 72 **(Fre)**

[Protein anabolic steroid] Umehara C, et al. **Clin Endocrinol (Tokyo)** 20:809-12, Oct 72 (11 ref.) **(Jap)**

ANALYSIS

[Formyldienolone] Cornet F, et al. **Boll Chim Farm** 111:645-8, Nov 72 **(Ita)**

PHARMACODYNAMICS

The use of trienbolone acetate implants in heifer beef production at pasture. Best JM. **Vet Rec** 91:624-6, 16 Dec 72

[Chemical and physicochemical factors in the effect of steroids] Hüttenrauch R. **Pharmazie** 28:84-102, Feb 73 (122 ref.) **(Ger)**

[Results of amino acid treatment on the basis of albumin distribution determination] Kudička V, et al. **Z Ernaehrungswiss [Suppl]** 13:53-64, 1972 (Eng. Abstr.) **(Ger)**

[Amino acids and their significance for erythropoiesis] Vulterinová M, et al. **Z Ernaehrungswiss [Suppl]** 13:47-53, 1972 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The effect of anabolic hormones on the growth of undersized boys. Greene R, et al. **Br J Clin Pract** 27:3-7, Jan 73

Drugs in infertility. Barnes EW, et al. **Br Med J** 1:234, 27 Jan 73

[Hormonotherapy and the voice] Cornut G. **J Fr Otorhinolaryngol** 21:691-2 passim, Oct 72 **(Fre)**

[Practical method for the treatment of metastases from breast neoplasms] Baillet F, et al. **J Radiol Electrol Med Nucl** 53:905, Dec 72 **(Fre)**

[The most important problems of parenteral and peroral nutrition rehabilitation in internal medicine and surgery] Dobersky P, et al. **Z Ernaehrungswiss [Suppl]** 13:1-11, 1972 (Eng. Abstr.) **(Ger)**

[Changes in circulating blood volume associated with surgery on the digestive tract] Zavgorodnii LG, et al. **Vestn Khir** 108:82-7, Jul 72 (Eng. Abstr.) **(Rus)**

ANDROGENS

Spectropbotofluorometric determination of metbyltestosterone in plasma or serum. Alkalay D, et al. **J Pharm Sci** 61:1746-9, Nov 72

Gonadal bormones and behavior of normal and pseudobermaphroditic nonhuman female primates. Goy RW, et al. **Recent Prog Horm Res** 28:707-33, 1972

Techniques for assessing the effects of sex bormones on affect, arousal, and aggression in bumans. Lunde DT, et al. **Recent Prog Horm Res** 28:627-63, 1972

[A new method of radioimmunoassay of plasma testosterone] Mahoudeau JA, et al. **Ann Biol Clin (Paris)** 30:559-66, 1972 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. **Contraception** 5:489-95, Jun 72

Prenatal androgenization of females. A review. Walker PA, et al. **Hormones** 3:119-28, 1972 (20 ref.)

[Androgens] Kato T. **Clin Endocrinol (Tokyo)** 20:817-8, Oct 72 **(Jap)**

ADVERSE EFFECTS

Prenatal androgenization of females. A review. Walker PA, et al. **Hormones** 3:119-28, 1972 (20 ref.)

[Current therapeutic data concerning mastodynia and benign mastopathies] Mauvais-Jarvis P. **Therapeutique** 48:575-8, Nov 72 **(Fre)**

[Androgens] Kato T. **Clin Endocrinol (Tokyo)** 20:817-8, Oct 72 **(Jap)**

ANALYSIS

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al. **Biochim Biophys Acta** 279:202-7, 18 Aug 72

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. **Recent Prog Horm Res** 28:627-63, 1972

Androgen-concentrating cells in the midbrain of a songbird. Zigmond RE, et al. **Science** 179:1005-7, 9 Mar 73

Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone. Whalen RE, et al. **Steroids** 20:717-25, Dec 72

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al. **Acta Endocrinol (Kbh)** 72:604-14, Mar 73

Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS. **Endocrinology** 92:1043-50, Apr 73

Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al. **J Clin Endocrinol Metab** 36:600-4, Mar 73

Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). Rasmusson GH, et al. **J Med Chem** 15:1165-8, Nov 72

The effect of cyproterone acetate pretreatment on the in vitro metabolism of aniline, hexobarbital and 3 H-digitoxigenin. Talcott RE, et al. **J Pharmacol Exp Ther** 184:419-23, Feb 73

The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. Ellendorff F, et al. **J Reprod Fertil** 32:299-303, Feb 73

Experience in the treatment of prostatic carcinoma with cyproterone acetate. Wein AJ, et al. **J Urol** 109:68-70, Jan 73

[Study of the paradoxical action of estrogens on the Wolffian ducts of female rat fetuses, using an anti-androgen, cyproterone acetate] Stinnakre MG. **C R Acad Sci [D] (Paris)** 275:101-3, 3 Jul 72 **(Fre)**

[Growth of hair during a combined antiandrogen and estrogen therapy in female test persons] Laur S. **Arch Dermatol Forsch** 244:515-23, 1972 **(Ger)**

[Antiandrogens in female androgenetic alopecia] Winkler K. **Hautarzt** 23:518-9, Nov 72 **(Ger)**

[New drugs. 9] Baumann D. **Pharm Prax** 2:Suppl 2:46-8, 1973 **(Ger)**

BIOSYNTHESIS

Interstitial gland tissue of mammalian ovary. Guraya SS. **Acta Endocrinol [Suppl] (Kbh)** 171:3-27, 1972 (108 ref.)

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid

dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al. **Biochim Biophys Acta 279:202-7, 18 Aug 72**

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al. **Gen Comp Endocrinol 19:432-40, Dec 72**

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. **J Endocrinol 55:499-506, Dec 72**

A comparative study of utilization in vitro of debydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by tbe follicular and stromal compartments of buman ovaries. Patwardhan VV, et al. **Steroids 20:761-71, Dec 72**

[Effect of aminoglutetbimide on testicular interstitial cells in the rat] Nüesch H, et al. **Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)**

[5 -reduction of testosterone and biosynthesis of androgen in the germ cells of the testis of young rats] Matsumoto K, et al. **Clin Endocrinol (Tokyo) 20:1035-43, Dec 72 (Jap)**

BLOOD

Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al. **Am J Obstet Gynecol 115:478-83, 15 Feb 73**

Paternal transmission of maleness in XX human beings. Kasdan R, et al. **N Engl J Med 288:539-45, 15 Mar 73**

[Neonatal evolution of plasmatic androgens in guinea pigs] Pelardy G, et al. **J Physiol (Paris) 65:Suppl:282A, Oct 72 (Fre)**

CHEMICAL SYNTHESIS

19-bydroxy steroids. V. 3 ,7 ,19-Trihydroxy-5-androsten-17-one 3,19-diacetate: a potential precursor in the biosyntbesis of B-ring unsaturated estrogens. Morand P, et al. **Steroids 21:47-64, Jan 73**

19-bydroxy steroids. VI. Approaches to the synthesis of 7,19-disubstituted androgens. Morand P, et al. **Steroids 21:65-85, Jan 73**

METABOLISM

Estrogen formation in the brain. Ryan KJ, et al. **Am J Obstet Gynecol 114:454-60, 15 Oct 72**

Recent studies on tbe mechanism of action of testosterone. Wilson JD. **N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)**

Diagnosis and treatment of hirsutism in women. Karp L, et al. **Obstet Gynecol 41:283-94, Feb 73 (44 ref.)**

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes witb special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids 21:17-26, Jan 73**

Tbe metabolism of androgens in rat preputial glands. Hodgins MB, et al. **Steroids 21:307-22, Feb 73**

[Effect of sex bormones and epipbysectomy on tbe activity of an alpha-hydroxylated acid oxidase in tbe testicular interstitial tissue and kidney] Timmermans L, et al. **C R Soc Biol (Paris) 166:715-7, 1972 (Fre)**

[Glycemia and insulinemia in castrated male rats, fasting and witb glucose overload] Legrele C, et al. **J Physiol (Paris) 65:Suppl:257A-258, Oct 72 (Fre)**

[Oral contraceptives and acne vulgaris] Winkler K. **Arch Dermatol Forsch 244:503-7, 1972 (Ger)**

[Action of the pineal body on sexual function and on lipid metabolism] Damian E. **Stud Cercet Endocrinol 23:389-96, 1972 (Rum)**

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al. **Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)**

PHARMACODYNAMICS

Changes in template activity of rat ventral prostate cbromatin after brief or prolonged in vivo exposure to androgen: evidence for a succession of chromatin "conformers". Coucb RM, et al. **Biochem Biophys Res Commun 50:478-85, 23 Jan 73**

Hormonal influences on tbe concentration of tyrosine in blood. Lange WE de, et al. **Clin Chim Acta 42:21-7, Nov 72**

Androgen-stimulated labelling of cbromosomal proteins by isolated prostate nuclei. Anderson KM, et al. **Exp Cell Res 77:143-58, 15 Mar 73**

Peripheral effects of some propionated androgens in tbe castrate male rat. Parrot RF. **J Reprod Fertil 31:518-9, Dec 72**

Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique. Falvo RE, et al. **Neuroendocrinology 10:229-34, 1972**

Neuroendocrine factors in the control of primate behavior. Michael RP, et al. **Recent Prog Horm Res 28:665-706, 1972**

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al. **C R Soc Biol (Paris) 166:960-4, 1972 (Fre)**

[Effect of steroiic androgens on Müllerian ducts of chick embryos] Stoll R, et al. **C R Soc Biol (Paris) 166:858-61, 1972 (Fre)**

[Esterase. VI. Tbe effect of testosterone on the unspecific carboxyl esterase in mouse kidney during postnatal development] Wehler E, et al. **Histochemie 33:47-52, 1973 (Eng. Abstr.) (Ger)**

[Chemical and physicochemical factors in tbe effect of steroids] Hüttenrauch R. **Pharmazie 28:84-102, Feb 73 (122 ref.) (Ger)**

PHYSIOLOGY

Dominance hierarchy in squirrel monkeys (Saimiri sciureus). Role of the gonads and androgen on genital display and feeding order. Green R, et al. **Folia Primatol (Basel) 18:185-95, 1972**

Probable role of androgen in the regulation of tbe uropygial gland. Maiti BR, et al. **Gen Comp Endocrinol 19:527-35, Dec 72**

Recent studies on the mechanism of action of testosterone. Wilson JD. **N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)**

Diagnosis and treatment of hirsutism in women. Karp L, et al. **Obstet Gynecol 41:283-94, Feb 73 (44 ref.)**

Developmental and hormonal aspects of hyperemotionality procuced by septal lesions in male rats. Phillips AG, et al. **Physiol Behav 9:237-42, Aug 72**

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al. **Physiol Rev 53:228-325, Jan 73 (932 ref.)**

Acne vulgaris--fact, fancy, and in between. Kalivas J. **Ration Drug Ther 7:1-5, Mar 73**

Androgen-concentrating cells in tbe midbrain of a songbird. Zigmond RE, et al. **Science 179:1005-7, 9 Mar 73**

[Adrenocortical bormones and arteriosclerosis] Takeda R, et al. **Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)**

SECRETION

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al. **Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)**

[Functioning tumor of tbe ovary] Hosokawa T. **Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)**

THERAPEUTIC USE

Carcinoma of the male breast. A 30-year review of 28 cases. Donegan WL, et al. **Arch Surg 106:273-9, Mar 73**

Prenatal androgenization of females. A review. Walker PA, et al. **Hormones 3:119-28, 1972 (20 ref.)**

Septicemia due to Aeromonas hydrophila: clinical and immunologic aspects. Ketover BP, et al. **J Infect Dis 127:284-90, Mar 73**

Alcobolic bepatitis: its therapy and prognosis. Galambos JT. **Prog Liver Dis 4:567-88, 1972 (89 ref.)**

[Long term development of bone marrow insufficiency initially successfully treated with androgens] Najean Y, et al. **Nouv Presse Med 2:359-63, 10 Feb 73 (Eng. Abstr.) (Fre)**

[Androgens] Kato T. **Clin Endocrinol (Tokyo) 20:817-8, Oct 72 (Jap)**

ANDROSTANES

Pancuronium bromide: a double-blind study in children. Bennett EJ, et al. **Anesth Analg (Cleve) 52:12-8, Jan-Feb 73**

Heterogeneity of alcohol dehydrogenase from buman

liver. Pietruszko R, et al.
Arch Biochem Biophys 153:279-93, Nov 72
The use of pancuronium bromide in operations for renal insufficiency. Case reports. Kamvyssi-Dea S, et al. Br J Anaesth 44:1217-8, Nov 72
Clinical comparison of D-tubocurarine and pancuronium: dosage schedule based on lean body mass. Nickorick E, et al.
Can Anaesth Soc J 20:217-26, Mar 73
Electron spin resonance studies of spin-labeled mammalian cells by detection of surface-membrane signals. Kaplan J, et al.
Proc Natl Acad Sci USA 70:66-70, Jan 73
Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. Steroids 20:789-812, Dec 72
[Sexual character of intracellular distribution of coenzyme and substrate dependence of 3 - and 3 -hydroxysteroid dehydrogenase activities in the rat liver] Hoff HG, et al.
Hoppe Seylers Z Physiol Chem 353:1527-8, Oct 72 (Ger)

ADMINISTRATION & DOSAGE

The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al.
Fertil Steril 23:712-4, Oct 72
Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

ADVERSE EFFECTS

Pancuronium bromide side effects. Beam LR.
JAMA 223:1044, 26 Feb 73
Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

ANALYSIS

The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Bailey E, et al.
Biochem Med 7:1-13, Feb 73
Retention indices of steroids and their group increment with temperature. Mori Y, et al.
J Chromatogr 76:133-9, 7 Feb 73
A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73
[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)
[Studies on the metabolism of steroid hormones in vertebrates. IX. The metabolism of (4- 14 C)testosterone in the liver of the African water frog (Xenopus laevis)] Lisboa BP, et al.
Hoppe Seylers Z Physiol Chem 353:1907-14, Dec 72 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

[Role of androgens in the anuran amphibian Discoglossus pictus. I. In vitro metabolism of testosterone by the seminal vesicles] Ozon R, et al.
Gen Comp Endocrinol 19:484-93, Dec 72 (Eng. Abstr.) (Fre)

BLOOD

Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73

CHEMICAL SYNTHESIS

[Synthesis, properties and electronolysis of several androstan-indoles] Jacquignon P, et al.
Bull Soc Chim Fr 11:4251-5, Nov 72 (Eng. Abstr.) (Fre)
[Synthesis of norcholanic and aethianic acids] Valcavi U, et al.
Farmaco [Sci] 27:955-61, Nov 72 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

[Isolation of radioisotope labeled conjugates of testosterone metabolism from bile of the male rat] Hetzel WD, et al.
Hoppe Seylers Z Physiol Chem 353:1525-6, Oct 72 (Ger)

METABOLISM

Microbiological hydroxylation of steroids. VI. Hydroxylation of simple mono- and di-oxygenated 5 -androstanes and of 3-oxoestranes with the fungus Aspergillus ochraceus. Bell AM, et al.
J Chem Soc [Perkin I] 23:2930-6, 1972
Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al.
J Clin Endocrinol Metab 36:600-4, Mar 73
The metabolism of dehydroepiandrosterone by human scalp hair follicles. Fazekas AG, et al.
J Clin Endocrinol Metab 36:582-6, Mar 73
Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73
Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72
The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72
The microbiological hydroxylation of steroids and related compounds. Jones ER.
Pure Appl Chem 33:39-52, 1973
The metabolism of androgens in rat preputial glands. Hodgins MB, et al. Steroids 21:307-22, Feb 73
[Determination of the characteristics of an inductor necessary for its interaction with a repressor in Pseudomonas testosteroni] Michel-Briand Y, et al.
C R Soc Biol (Paris) 166:565-72, 1972 (Fre)

PHARMACODYNAMICS

The effects of pancuronium bromide and gallamine triethiodide during barbiturate, N 2 O--halothane anaesthesia. Kölliker K.
Acta Anaesthesiol Scand 16:240-5, 1972
Clinical comparison of tubocurarine and pancuronium. Joseph D, et al. Anaesth Intensive Care 1:75-8, Aug 72
Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS.
Endocrinology 92:1043-50, Apr 73
The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al.
Fertil Steril 23:712-4, Oct 72
The use of trienbolone acetate implants in heifer beef production at pasture. Best JM.
Vet Rec 91:624-6, 16 Dec 72
[Synthesis, properties and electronolysis of several androstan-indoles] Jacquignon P, et al.
Bull Soc Chim Fr 11:4251-5, Nov 72 (Eng. Abstr.) (Fre)
[Comparative effects of heptaminol hydrochloride and acefyllinate on curarization] Bouyard P, et al.
C R Soc Biol (Paris) 166:662-6, 1972 (Fre)
[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:960-4, 1972 (Fre)
[Effect of sterolic androgens on Müllerian ducts of chick embryos] Stoll R, et al.
C R Soc Biol (Paris) 166:858-61, 1972 (Fre)
[Clinical study of pancuronium bromide--cumulation effect and interaction with halothane] Amaki Y, et al.
Jap J Anesthesiol 21:1227-31, Nov 72 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

The influence of high doses of mesterolone on the spermiogram. Schellen TM, et al.
Fertil Steril 23:712-4, Oct 72
Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

URINE

Simultaneous determination of urinary androstanediol and testosterone as an evaluation of human

androgenicity. Mauvais-Jarvis P, et al.
J Clin Endocrinol Metab 36:452-9, Mar 73
Identification of 5 alpha-androstane-3 beta-diol in human urine. Berthou F, et al.
J Steroid Biochem 3:819-30, Sep 72
[Urinary excretion of pancuronium bromide] Fukushima K, et al.
Jap J Anesthesiol 21:1327-32, Dec 72 (Eng. Abstr.) (Jap)

ANDROSTENES

Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. Eur J Biochem 31:464-9, 18 Dec 72
19-hydroxy steroids. VI. Approaches to the synthesis of 7,19-disubstituted androgens. Morand P, et al.
Steroids 21:65-85, Jan 73

ADMINISTRATION & DOSAGE

The antiandrogenic action of 4-androsten-3-one-17 beta-carboxylic acid and its methyl ester on hamster flank organ. Voigt W, et al.
Endocrinology 92:1216-22, Apr 73

ANALYSIS

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al.
Steroids 20:761-71, Dec 72
[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)
[Recent findings on steroid metabolism in psoriasis] Morsches B, et al.
Arch Dermatol Forsch 244:556-8, 1972 (Ger)
[Studies on the metabolism of steroid hormones in vertebrates. IX. The metabolism of (4- 14 C)testosterone in the liver of the African water frog (Xenopus laevis)] Lisboa BP, et al.
Hoppe Seylers Z Physiol Chem 353:1907-14, Dec 72 (Eng. Abstr.) (Ger)
[Formyldienolone] Cornet F, et al.
Boll Chim Farm 111:645-8, Nov 72 (Ita)

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al.
Acta Endocrinol (Kbh) 72:604-14, Mar 73

BIOSYNTHESIS

Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals. Axelrod LR, et al.
Acta Endocrinol (Kbh) 72:545-50, Mar 73
Testosterone metabolism by rodent submaxillary glands in relation to their sexual dimorphism. Baidl A, et al. Acta Physiol Lat Am 22:129-34, 1972
In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72
2,4,5 T and the metabolism of testosterone-1,2- 3 H 2 by mouse prostate glands. Lloyd JW, et al.
Arch Environ Health 26:217-20, Apr 73
Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72
In vitro transformation of dehydroepiandrosterone or its sulphate into androstenediol or its sulphate by rat brain and blood preparations. Kishimoto Y.
J Neurochem 20:211-23, Jan 73

BLOOD

Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al.
Am J Obstet Gynecol 115:478-83, 15 Feb 73
Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73
Serum androstenedione and testosterone levels during the menstrual cycle. Judd HL, et al.
J Clin Endocrinol Metab 36:475-81, Mar 73
Determination of serum testosterone and androstanediol by competitive protein binding. Strickland AL, et al. Steroids 21:27-46, Jan 73
[Neonatal evolution of plasmatic androgens in guinea pigs] Pelardy G, et al.
J Physiol (Paris) 65:Suppl:282A, Oct 72 (Fre)
[Recent findings on steroid metabolism in psoriasis] Morsches B, et al.
Arch Dermatol Forsch 244:556-8, 1972 (Ger)

CHEMICAL SYNTHESIS

Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). Rasmusson GH, et al.
J Med Chem 15:1165-8, Nov 72
The addition of dihalocarbenes to 3 -acetoxy-B-norandrost-5-en-17-one. Rosen P, et al.
J Org Chem 38:289-92, 26 Jan 73
19-hydroxy steroids. V. 3 ,7 ,19-Trihydroxy-5-androsten-17-one 3,19-diacetate: a potential precursor in the biosynthesis of B-ring unsaturated estrogens. Morand P, et al.
Steroids 21:47-64, Jan 73

METABOLISM

Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals. Axelrod LR, et al.
Acta Endocrinol (Kbh) 72:545-50, Mar 73
Inhibition studies on the aromatization of androst-4-ene-3,17-dione by human placental microsomal preparations. Chakraborty J, et al.
Biochem J 130:19P-20P, Nov 72
Rabbit testosterone-binding-globulin. II. Effect on androgen metabolism in-vivo. Mahoudeau JA, et al.
Endocrinology 92:1120-5, Apr 73
Enzymatic oxidation and reduction of C 19-delta 5-3 beta-hydroxysteroids by hepatic microsomes. II. Effect of age in rats on 16,17-oxido-reduction of 3 beta-hydroxyandrost-5-en-17-one (DHA). Tabei T, et al. Endocrinology 92:1161-4, Apr 73
Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73
Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al.
Eur J Biochem 31:345-53, 4 Dec 72
Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid hormones, sterols and bile acids in rats. Einarsson K, et al. Eur J Biochem 32:197-206, 15 Jan 73
Studies on the metabolism of steroids in the foetus. Metabolism of 4-androstene-3,17-dione by human foetal-liver microsomes. Lisboa BP, et al.
Eur J Biochem 31:378-85, 4 Dec 72
In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72
Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al.
J Clin Endocrinol Metab 36:600-4, Mar 73
The metabolism of dehydroepiandrosterone by human scalp hair follicles. Fazekas AG, et al.
J Clin Endocrinol Metab 36:582-6, Mar 73
Oestrogens in the pregnant guinea-pig. Challis JR, et al.
J Reprod Fertil 31:504-5, Dec 72
Metabolism of 1-dehydroandrostanes in man. II-Metabolism of 5 beta-androst-1-enes. Galletti F, et al. J Steroid Biochem 3:831-5, Sep 72
Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. Steroids 21:17-26, Jan 73
The metabolism of androgens in rat preputial glands. Hodgins MB, et al. Steroids 21:307-22, Feb 73
The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. Steroids 21:233-44, Feb 73

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic

steroids in the puhertal rat. Boris A, et al. **Contraception 5:489-95, Jun 72**
Hormonal correlates of sexual behaviour in suh-human primates. Everitt BJ, et al. **Dan Med Bull 19:246-58, Dec 72**
The antiandrogenic action of 4-androsten-3-one-17 beta-carhoxylic acid and its methyl ester on hamster flank organ. Voigt W, et al. **Endocrinology 92:1216-22, Apr 73**
Variations of erythrocyte glycolysis following androgens. Molinari PF, et al. **J Lab Clin Med 81:443-6, Mar 73**
Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). Rasmusson GH, et al. **J Med Chem 15:1165-8, Nov 72**
[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barhe L, et al. **C R Soc Biol (Paris) 166:960-4, 1972 (Fre)**
[Effect of sterolic androgens on Müllerian ducts of chick embryos] Stoll R, et al. **C R Soc Biol (Paris) 166:858-61, 1972 (Fre)**

URINE

The excretion of C-16 oxygenated neutral steroid sulphates and dehydroepiandrosterone sulphate in normal pregnancy, and a comparison with their excretion hy endocrinologically normal suhjects of both sexes. Seth J, et al. **Acta Endocrinol (Khh) 72:587-603, Mar 73**
Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension. Dey AC, et al. **Can J Biochem 50:1273-81, Dec 72**
Metaholism of 1-dehydroandrostanes in man. II-Metaholism of 5 heta-androst-1-enes. Galletti F, et al. **J Steroid Biochem 3:831-5, Sep 72**
[Recent findings on steroid metaholism in psoriasis] Morsches B, et al. **Arch Dermatol Forsch 244:556-8, 1972 (Ger)**

CHLORMADINONE

ADMINISTRATION & DOSAGE

Antifertility effects of an intracervical progestational device. Glass RH, et al. **Biol Reprod 7:160-5, Oct 72**
Daily chlormadinone acetate as an oral contraceptive. Bernstein GS, et al. **Contraception 5:369-88, May 72**
Histologic effects of intracervical chlormadinone impregnated silastic devices in rahhits. Greenhill AH, et al. **Contraception 6:287-94, Oct 72**
A modified sequential contraceptive. Rice-Wray E, et al. **Contraception 5:457-72, Jun 72**
[Endometrium during administration of sequence-ovosiston (report on 3 variants of sequential therapy)] Böhm W, et al. **Zentralhl Gynaekol 94:1816-20, 30 Dec 72 (Ger)**
[Sequenz-Ovosiston as a contraceptive agent] Zwahr C. **Zentralhl Gynaekol 94:1722-5, 9 Dec 72 (Ger)**

ADVERSE EFFECTS

Daily chlormadinone acetate as an oral contraceptive. Bernstein GS, et al. **Contraception 5:369-88, May 72**
A modified sequential contraceptive. Rice-Wray E, et al. **Contraception 5:457-72, Jun 72**
Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J. **Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)**
[Principles of hormonal contraception] Hammerstein J. **Arch Dermatol Forsch 244:478-90, 1972 (Ger)**
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. **Arch Dermatol Forsch 244:510-5, 1972 (Ger)**
[Coronary infarction associated with ovulation inhihitors] Dejaco RM, et al. **Wien Med Wochenschr 122:630-2, 21 Nov 72 (Ger)**
[Steroid contraceptives and sarcoidosis] Scharkoff T, et al. **Z Erkr Atmungsorgane 137:61-73, 1972 (Ger)**
[Sequenz-Ovosiston as a contraceptive agent] Zwahr C. **Zentralhl Gynaekol 94:1722-5, 9 Dec 72 (Ger)**
[Lipid metabolism in women ingesting gestagens as contraceptives] Pisarek-Miedzińska D, et al. **Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)**

PHARMACODYNAMICS

Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus. Singh EJ, et al. **Am J Obstet Gynecol 114:484-91, 15 Oct 72**
Antifertility effects of an intracervical progestational device. Glass RH, et al. **Biol Reprod 7:160-5, Oct 72**
Histologic effects of intracervical chlormadinone impregnated silastic devices in rahhits. Greenhill AH, et al. **Contraception 6:287-94, Oct 72**
Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. **Contraception 5:177-85, Mar 72**
A modified sequential contraceptive. Rice-Wray E, et al. **Contraception 5:457-72, Jun 72**
Morphologic alterations in the human oviduct epithelium induced hy contraceptive steroids. Fredricsson B, et al. **Fertil Steril 24:19-30, Jan 73**
Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barhosa J, et al. **J Clin Endocrinol Metah 36:706-14, Apr 73**
The effects of progestogens on blood clotting and platelet function. Poller L. **J Clin Pathol 25:1007, Nov 72**
Plasma proteins after use of estrogen and-or progestogen in women with and without recurrent cholestasis during previous pregnancies. Jeppsson S, et al. **Scand J Clin Lah Invest 31:33-6, Jan 73**
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. **Arch Dermatol Forsch 244:510-5, 1972 (Ger)**
[Inhibitors of ovulation as inhibitors of proliferation] Kaiser R. **Geburtshilfe Frauenheilkd 33:23-7, Jan 73 (Eng. Abstr.) (Ger)**
[Endometrium during administration of sequence-ovosiston (report on 3 variants of sequential therapy)] Böhm W, et al. **Zentralhl Gynaekol 94:1816-20, 30 Dec 72 (Ger)**
[Blood cataiase activity during treatment with a contraceptive agent] Heller H, et al. **Zentralhl Gynaekol 94:1712-21, 9 Dec 72 (Ger)**
[Comparative studies on endometrial behavior under the effect of various contraceptives] Müller R, et al. **Zentralhl Gynaekol 94:1821-9, 30 Dec 72 (Ger)**
[Lipid metaholism in women ingesting gestagens as contraceptives] Pisarek-Miedzińska D, et al. **Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)**
[Lactation inhihition with chlormadinone and mestranol] Pilawski Z, et al. **Wiad Lek 26:203-7, 1 Feb 73 (Pol)**

THERAPEUTIC USE

Influences of gestagen upon carcinoma in situ of the cervix (a histologic study). Yokoyama Y. **Acta Obstet Gynaecol Jap 19:33-9, Jan 72**
[Coronary infarction associated with ovulation inhihitors] Dejaco RM, et al. **Wien Med Wochenschr 122:630-2, 21 Nov 72 (Ger)**
[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O. **Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)**

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al. **J Natl Cancer Inst 49:813-9, Sep 72**

CLOMIPHENE

ADMINISTRATION & DOSAGE

Effect on reproductive organs of three clomiphene analogues. Basu J. **Br J Pharmacol 46:324-8, Oct 72**
Effect of clomiphene citrate and its isomers on sexual behavior in ovariectomized rats. Ross JW, et al. **Endocrinology 92:1079-83, Apr 73**
"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. **Postgrad Med 53:156-62, Feh 73**
[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolh R, et al. **Geburtshilfe Frauenheilkd 32:900-2, Oct 72 (Eng. Abstr.) (Ger)**

ADVERSE EFFECTS

[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolh R, et al. **Geburtshilfe Frauenheilkd 32:900-2, Oct 72 (Eng. Abstr.) (Ger)**

DIAGNOSTIC USE

Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al. **J Clin Endocrinol Metab** 36:502-8, Mar 73

[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O. **Jap J Clin Med** 30:2269-74, Nov 72 (7 ref.) (Jap)

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al. **Probl Endokrinol (Mosk)** 18:19-22, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh)** 72:101-14, Jan 73

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al. **Am J Obstet Gynecol** 115:447-50, 15 Feb 73

Antiestrogens: studies using an in vitro estrogen-responsive uterine system. Katzenellenbogen BS, et al. **Biochem Biophys Res Commun** 50:1152-9, 20 Feb 73

Effect on reproductive organs of three clomiphene analogues. Basu J. **Br J Pharmacol** 46:324-8, Oct 72

Facilitation of ovulation with antiestrogens in immature rats primed with pregnant mare's serum (PMS). Ying SY, et al. **Contraception** 5:413-21, May 72

Evaluation of serum FSH and LH in various infertile women treated with clomiphene citrate. Huang K. **Endocrinol Jap** 19:501-7, Oct 72

Effect of clomiphene citrate and its isomers on sexual behavior in ovariectomized rats. Ross JW, et al. **Endocrinology** 92:1079-83, Apr 73

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. **Gynecol Invest** 3:126-34, 1972

The use of estrogen antagonists in hormone receptor studies. Jensen EV, et al. **Gynecol Invest** 3:108-23, 1972

A critique on the evaluation and mode of action of antiestrogens. Sankaran MS, et al. **Gynecol Invest** 3:142-7, 1972

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate animal experiments. Schulz KD, et al. **Gynecol Invest** 3:135-41, 1972

Aspects on the mode of action of antiestrogens and antiprogestogens. Terenius L, et al. **Gynecol Invest** 3:96-107, 1972

Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytriphetol, U-11,100A and U-11,555A. Barbosa J, et al. **J Clin Endocrinol Metab** 36:666-78, Apr 73

The effect of clomiphene citrate on the 24-hour LH secretory pattern in normal men. Boyar RM, et al. **J Clin Endocrinol Metab** 36:561-7, Mar 73

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. **J Clin Endocrinol Metab** 36:612-4, Mar 73

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res** 28:201-27, 1972

The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Suzuki M, et al. **Tohoku J Exp Med** 108:123-31, Oct 72

[Physiopathological study of the diencephalon and hypothalamus of anovulatory patients; radioimmunoassay of daily changes in serum FSH and LH] Minagawa J, et al. **Folia Endocrinol Jap** 48:396-407, 20 Sep 72 (Eng. Abstr.) (Jap)

[Effect of clomiphene-citrate on the urinary excretion of interstitial-cell stimulating hormone in persons with testicular insufficiency] Starkova NT, et al. **Probl Endokrinol (Mosk)** 18:19-22, Jul-Aug 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al. **Am J Obstet Gynecol** 115:478-83, 15 Feb 73

Hormonal factors in human ovulation. Taymor ML, et al. **Am J Obstet Gynecol** 114:445-53, 15 Oct 72

Drugs in infertility. Foss GL. **Br Med J** 1:357, 10 Feb 73

Evaluation of serum FSH and LH in various infertile women treated with clomiphene citrate. Huang K. **Endocrinol Jap** 19:501-7, Oct 72

Twenty-eighth annual meeting of the American Fertility Society. Schneider D. **Fed Proc** 32:123-9, Feb 73

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. **Gynecol Invest** 3:126-34, 1972

"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. **Postgrad Med** 53:156-62, Feb 73

[Corpus luteum ovarian cyst after clomiphene treatment in the Stein-Leventhal syndrome] Rauskolb R, et al. **Geburtshilfe Frauenheilkd** 32:900-2, Oct 72 (Eng. Abstr.) (Ger)

[Disorders of menstrual cycle. Diagnosis and therapy] Holzmann K. **Med Klin** 68:65-73, 19 Jan 73 (22 ref.) (Ger)

CONTRACEPTIVES, ORAL

Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses. Heys RF, et al. **Acta Endocrinol (Kbh)** 72:156-60, Jan 73

Metabolism of glucose in the human endometrium with special reference to fertility and contraception. Hacki H. **Acta Obstet Gynecol Scand** 52:135-40, 1973

One-year contraceptive follow-up of adolescent patients. Jorgensen V. **Am J Obstet Gynecol** 115:484-6, 15 Feb 73

Factors associated with dropping out of family planning clinics in Jamaica. Bracken MB, et al. **Am J Public Health** 63:262-71, Mar 73

Family planning--changes in attitudes and practices among low income women between 1967 and 1970-71. Siegel E, et al. **Am J Public Health** 63:255-61, Mar 73

New York State physicians and the social context of abortion. Wasserheil-Smoller S, et al. **Am J Public Health** 63:144-9, Feb 73

Diffuse hair loss and oral contraceptives. Griffiths WA. **Br J Dermatol** 88:31-6, Jan 73

The pill and venereal disease. Bousfield G. **Br Med J** 1:491, 24 Feb 73

Factors affecting serum creatine phosphokinase levels in normal adult females. Paterson Y, et al. **Clin Chim Acta** 42:131-9, Nov 72

Steroid contraceptives and plasma carotenoids. Briggs M, et al. **Contraception** 6:275-80, Oct 72

Further experience with a once-a-month oral contraceptive: quinestrol-quingestanol. Ruhio B, et al. **Fertil Steril** 23:734-8, Oct 72

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J. **Health Serv Rep** 87:611-6, Aug-Sep 72 (18 ref.)

Sex education and mental health work with a female teen-age gang. Jensen GD, et al. **Hosp Community Psychiatry** 24:151-5, Mar 73

In vitro RBC uptake of radio-triiodothyronine as a useful thyroid function test in Indian patients. II. Talukdar CK, et al. **Indian J Med Res** 60:1621-8, Nov 72

Infiltrating duct carcinoma of the mammary gland of a rhesus monkey after administration of an oral contraceptive: a preliminary report. Kirschstein RL, et al. **J Natl Cancer Inst** 48:551-6, Feb 72

Plasma biochemistry in relation to oedema of pregnancy. Robertson EG, et al. **J Obstet Gynaecol Br Commonw** 79:769-76, Sep 72

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. **J Pharm Sci** 62:179-200, Feb 73 (162 ref.)

Progress in human fertility control: the coital use of progestagens. Zañartu J, et al. **J Reprod Fertil** 32:279-81, Feb 73

Oral contraceptives on N.H.S. prescription. Smith A. **Lancet** 1:266, 3 Feb 73

Migraine--a personal view. Dalton K. **Practitioner** 209:835-7, Dec 72

Clinical experience with povidone-iodine vaginal pessaries in the treatment of non-specific vaginitis. Harris PG. **Practitioner** 209:828-30, Dec 72

An analysis of future population pressures. Sai FT. **Proc R Soc Med** 66:123-30, Jan 73

Family planning in the immediate postpartum period. Echeverry G. **Stud Fam Plann** 4:33-5, Feb 73

[Postponing of menstruation before dental-surgical measures?] Holzmann K. **Munch Med Wochenschr** 115:123-4, 26 Jan 73 (Ger)

[Endometrium during administration of sequence-ovosiston (report on 3 variants of sequential therapy)] Böhm W, et al.
Zentralbl Gynaekol 94:1816-20, 30 Dec 72 (Ger)

ADMINISTRATION & DOSAGE

The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxybutyrate and triglycerides. Lunell NO, et al.
Acta Obstet Gynecol Scand 52:23-4, 1973
Hormonal balance of oral contraception. Heber KR.
Australas Nurses J 2:17, Feb 73
Oral contraceptives and hypertension. An epidemiological survey. Clezy TM, et al.
Br Heart J 34:1238-43, Dec 72
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)
Progress in human fertility control: the coital use of progestagens. Zañartu J, et al.
J Reprod Fertil 32:279-81, Feb 73
Pussy and the pill. Main AW.
Med J Aust 2:1462-3, 23 Dec 72
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
[Results of oral administration of the contraceptive Metrulen in 12 women during a period of 6 months] Pranchev N.
Akush Ginekol (Sofiia) 11:357-8, 1972 (Bul)
[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)
[Principles of hormonal contraception] Hammerstein J. Arch Dermatol Forsch 244:478-90, 1972 (Ger)
[Clinical aspects of pigmentation disorders due to oral contraceptives] Ippen H.
Arch Dermatol Forsch 244:500-3, 1972 (Ger)
[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G.
Arch Dermatol Forsch 244:495-9, 1972 (Ger)
[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 (Ger)
[Sequenz-Ovosiston as a contraceptive agent] Zwahr C.
Zentralbl Gynaekol 94:1722-5, 9 Dec 72 (Ger)

ADVERSE EFFECTS

Thromboembolism and oral contraceptives. Hougie C.
Am Heart J 85:538-45, Apr 73 (35 ref.)
Small intestinal disease, folate deficiency anemia, and oral contraceptive agents. Johnson GK, et al.
Am J Dig Dis 18:185-90, Mar 73
One-year contraceptive follow-up of adolescent patients. Jorgensen V.
Am J Obstet Gynecol 115:484-6, 15 Feb 73
Possible genetic effects of some contraceptives. Matsunaga E. Australas Nurses J 2:9 passim, Jan 73
Oral contraceptives and hypertension. An epidemiological survey. Clezy TM, et al.
Br Heart J 34:1238-43, Dec 72
Infertility after the pill. Bailey KV.
Br Med J 4:492, 25 Nov 72
Side effects of the pill. Bull MJ.
Br Med J 1:295-6, 3 Feb 73
Side effects of the pill. Cox ML.
Br Med J 1:419, 17 Feb 73
Side effects of the pill. Huntington KM.
Br Med J 1:233, 27 Jan 73
Infertility after the pill. Lovegrove T.
Br Med J 1:48, 6 Jan 73
Oral contraceptives. Can Med Assoc J 108:278, 3 Feb 73
The effects of estrogens, progestogen, oral contraceptives, and intrauterine devices on fasting triglyceride and insulin levels. Spellacy WN, et al.
Fertil Steril 24:178-84, Mar 73
Pathogenetic mechanisms in hypertension. Wilson JW Jr. J La State Med Soc 125:39-41, Feb 73
Accelerated hypertension secondary to oral contraceptives. Sokol SA.
J Maine Med Assoc 64:52-3 passim, Mar 73
Ovarian changes during progestogen amenorrhoea. el-Mabgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)
Oral contraceptive effects on the breast. Fechner RE.
JAMA 224:249-50, 9 Apr 73
Oral contraceptives and breast histology. Kovi J, et al.
JAMA 223:802, 12 Feb 73
Spectrum of bowel disease associated with use of oral contraceptives. Morowitz DA, et al.
Med Ann DC 42:6-10, Jan 73
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
Drugs that cause depression.
Med Lett Drugs Ther 14:35-6, 12 May 72
Candicidin for vaginal candidiasis.
Med Lett Drugs Ther 14:86-8, 10 Nov 72
Two minutes with the oral contraceptives. Warren MP.
Med Times 101:129-30 passim, Mar 73
The chick as a laboratory model for the study of estrogen-induced hyperlipidemia. Kudzma DJ, et al.
Metabolism 22:423-34, Mar 73
Epidemiology of benign breast lesions: lack of association with oral contraceptive use. Sartwell PE, et al. N Engl J Med 288:551-4, 15 Mar 73
Persistent hypercoagulability after venous mesenteric infarction and oral contraceptive. Ruoff M, et al.
NY State J Med 73:791-3, 15 Mar 73
Jaundice with Dubin-Johnson-Sprinz syndrome precipitated by oral contraceptives. Schinella RA.
NY State J Med 72:2810-3, 15 Nov 72
New Zealand Committee on Adverse Drug Reactions: seventh annual report. NZ Med J 76:357-64, Nov 72
Thrombotic predisposition associated with oral contraceptives. Zuck TF, et al.
Obstet Gynecol 41:427-35, Mar 73
"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. Postgrad Med 53:156-62, Feb 73
Myocardial infarction and oral contraceptives. Wardekar AS, et al. South Med J 66:382-4, Mar 73
[Amenorrhea due to oral contraceptives] Hirvonen E.
Duodecim 89:230-3, 1973 (Fin)
[Pulmonary emboli caused by hormonal treatment. (Apropos of 2 cases)] Jan F, et al.
Coeur Med Interne 11:765-9, Oct-Dec 72 (Eng. Abstr.) (Fre)
[Facial paralysis and contraceptives. Report of a case] Rouit H. Inf Dent 54:3495-501, 28 Sep 72 (Fre)
[Iatrogenic lupus: current status of the question. I. Clinical study and main drugs responsible] Dorfmann H, et al.
Nouv Presse Med 1:2907-12, 2 Dec 72 (Eng. Abstr.) (Fre)
[Cerebrovascular accident during treatment with gonadotropins] Humbert G, et al.
Nouv Presse Med 2:28-30, 6 Jan 73 (Fre)
[Various psychosomatic problems of current interest: oral contraception, hemodialysis and kidney transplantation, jejunocolic shunt] Wittkower ED.
Rev Med Psychosom 14:249-62, Autumn 72 (Fre)
[Treatment of vasomotor and congestive vascular disorders in gynecologic practice] Morin P, et al.
Rev Prat 22:Suppl:61-8, 25 Nov 72 (Fre)
[Effects of various contraceptive hormones on blood coagulation] Lorrain J, et al.
Union Med Can 101:2426-31, Nov 72 (Fre)
[Oral contraceptives and venous diseases] Dapunt O.
Arch Dermatol Forsch 244:490-5, 1972 (Ger)
[Clinical aspects of pigmentation disorders due to oral contraceptives] Ippen H.
Arch Dermatol Forsch 244:500-3, 1972 (Ger)
[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G.
Arch Dermatol Forsch 244:495-9, 1972 (Ger)
[Insulin secretion disorders] Laube H.
Dtsch Med J 23:584-8, Oct 72 (Ger)
[Contraceptive pancreopathy] Riederer J.
Dtsch Med Wochenschr 98:175, 26 Jan 73 (Ger)
[Contraception and family planning, a current problem of preventive medicine. (Some critical thoughts on contraception, abortion and birth control)] Leinzinger E.
Geburtshilfe Frauenheilkd 33:28-36, Jan 73 (Ger)
[Vascular lesions and thromboembolic vascular occlusions following oral contraceptives] Pesendorfer F, et al.
Med Klin 68:74-7, 19 Jan 73 (Eng. Abstr.) (Ger)
[Cerebrovascular disorders due to medication with oral contraceptives] Pendl G.
Munch Med Wochenschr 115:178-82, 9 Feb 73 (Eng. Abstr.) (Ger)
[Cerebrovascular disorders in relationship to the intake of contraceptives] Seyfeddinipur N.
Schweiz Arch Neurol Neurochir Psychiatr 111:155-66, 1972 (Ger)
[Clinical adverse effects and biochemical changes due

to ovulation inhibitors] Clavadetscher P, et al. Schweiz Med Wochenschr 103:231-7, 17 Feb 73 (Eng. Abstr.) (Ger)

[The search for new ways with low dose contraceptives. II] Tóth F, et al. Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 (Ger)

[Steroid contraceptives and sarcoidosis] Scharkoff T, et al. Z Erkr Atmungsorgane 137:61-73, 1972 (Ger)

[Gynecological aspects of thromhocytopenia] Bergamaschi P, et al. Ann Ostet Ginecol 93:428-42, Jun 72 (Eng. Abstr.) (Ita)

[A case of jaundice due to oral contraceptives] Dal Monte PR, et al. G Clin Med 53:111-20, Mar 72 (Eng. Abstr.) (Ita)

[Case of intestinal infarction during a course of therapy with oral contraceptives] Lobello R, et al. Minerva Chir 28:49-52, 15 Jan 73 (Ita)

[Postmenopausal estrogen therapy and thrombosis] Bergsjo P. Tidsskr Nor Laegeforen 92:2354, 6 Dec 72 (Nor)

[Lipid metaholism in women ingesting gestagens as contraceptives] Pisarek-Miedzińska D, et al. Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)

[Otolaryngologic pathological manifestations due to side effects of drugs] Sliwowska W. Otolaryngol Pol 26:733-42, 1972 (38 ref.) (Pol)

[Administration of some drugs to pregnant or hreast feeding women] Okla J. Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)

[Case of pseudotumor of genitalia following long-term treatment with oral contraceptives] Trzeciak B. Pol Tyg Lek 28:180-1, 29 Jan 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Detection of the "pregnancy zone" protein hy means of an immunodiffusion method. Beckman L, et al. Acta Obstet Gynecol Scand 52:157-60, 1973

The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxyhutyrate and triglycerides. Lunell NO, et al. Acta Obstet Gynecol Scand 52:23-4, 1973

The hypothalamus and reproduction. Schally AV, et al. Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus. Singh EJ, et al. Am J Obstet Gynecol 114:484-91, 15 Oct 72

Hormonal influences on the concentration of tyrosine in hlood. Lange WE de, et al. Clin Chim Acta 42:21-7, Nov 72

The effects of some progestational steroids on puhertal ovulation in the rat. Boris A, et al. Contraception 5:57-64, Jan 72

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. Contraception 5:177-85, Mar 72

Radioimmunoassay of serum progesterone in women receiving oral contraceptive steroids. Thorneycroft IH, et al. Contraception 5:129-46, Feb 72

The role of platelet function tests in the evaluation of drug toxicity. Hawkins RI. Eur J Toxicol 5:37-42, Jan-Feb 72

Twenty-eighth annual meeting of the American Fertility Society. Schneider D. Fed Proc 32:123-9, Feb 73

Morphologic alterations in the human oviduct epithelium induced hy contraceptive steroids. Fredricsson B, et al. Fertil Steril 24:19-30, Jan 73

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. Fertil Steril 24:185-90, Mar 73

Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al. Fertil Steril 24:31-43, Jan 73

Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytriphetol, U-11,100A and U-11,555A. Barhosa J, et al. J Clin Endocrinol Metab 36:666-78, Apr 73

Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barhosa J, et al. J Clin Endocrinol Metab 36:706-14, Apr 73

Serum growth hormone patterns in female juvenile diahetics. Hansen AP. J Clin Endocrinol Metab 36:638-46, Apr 73

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)

Anils as possihle antifertility agents. Gaind B, et al. J Reprod Fertil 31:383-6, Dec 72

Oral contraceptive effects on the hreast. Fechner RE. JAMA 224:249-50, 9 Apr 73

Effects of oral contraceptives on the renin-angiotensin system and on hlood pressure of normal young women. Beckerhoff R, et al. Johns Hopkins Med J 132:80-7, Feb 73

"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. Postgrad Med 53:156-62, Feb 73

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972

Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al. Scand J Clin Lab Invest 31:119-22, Jan 73

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al. Steroids 20:627-38, Nov 72

[Amenorrhea due to oral contraceptives] Hirvonen E. Duodecim 89:230-3, 1973 (Fin)

[Glyceridemia in human clinical medicine and epidemiology. 3. Glyceridemia in various pathological conditions] Vastesaeger M, et al. Brux Med 52:779-89 contd, Nov 72 (Fre)

[Problems in a statistical study on the effect of an hormonal drug on the voice. 1st results] Dordain M. J Fr Otorhinolaryngol 21:681-3, Oct 72 (Fre)

[Oral contraceptives and venous diseases] Dapunt O. Arch Dermatol Forsch 244:490-5, 1972 (Ger)

[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. Arch Dermatol Forsch 244:510-5, 1972 (Ger)

[Influencing of coagulation factor VIII through the oral ovulation inhibitors Ovosiston, Non-Ovion and Sequence-Ovosiston] Sander W, et al. Dtsch Gesundheitsw 27:2343-7, 7 Dec 72 (Eng. Abstr.) (Ger)

[Inhibitors of ovulation as inhibitors of proliferation] Kaiser R. Geburtshilfe Frauenheilkd 33:23-7, Jan 73 (Eng. Abstr.) (Ger)

[Activity levels of lysosomal enzymes in human serum following application of hormonal contraceptives] Platt D, et al. Klin Wochenschr 51:91-2, 15 Jan 73 (Eng. Abstr.) (Ger)

[Effect of vasopressin on the non-pregnant human uterus in situ] Fröhlich H. Wien Klin Wochenschr 84:828-31, 22 Dec 72 (Eng. Abstr.) (Ger)

[Blood catalase activity during treatment with a contraceptive agent] Heller H, et al. Zentralbl Gynaekol 94:1712-21, 9 Dec 72 (Ger)

[Comparative studies on endometrial behavior under the effect of various contraceptives] Müller R, et al. Zentralbl Gynaekol 94:1821-9, 30 Dec 72 (Ger)

[Lipid metabolism in women ingesting gestagens as contraceptives] Pisarek-Miedzińska D, et al. Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)

[The effect of nihufin on reproductive function and the contraceptive effect of hormonal preparations] Poskalenko AN, et al. Farmakol Toksikol 35:638-40, Sep-Oct 72 (Rus)

POISONING

[Psychosis caused hy hormonal contraceptives] Kiss SA, et al. Orv Hetil 114:396-8, 18 Feb 73 (Hun)

SUPPLY & DISTRIBUTION

Rationale for the involvement of private sector marketing institutions in family planning in Africa. Black T. Stud Fam Plann 4:25-32, Feb 73

THERAPEUTIC USE

The platelet defect associated with albinism. Hardisty RM, et al. Ann NY Acad Sci 201:429-36, 27 Oct 72

Behçet's syndrome. Held BL, et al. Clin Obstet Gynecol 15:1017-22, Dec 72

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)

What's new in surgery. Gynecology and obstetrics. McElin TW. Surg Gynecol Obstet 136:197-201, Feb 73

[Influencing of coagulation factor VIII through the oral ovulation inhibitors Ovosiston, Non-Ovion and Sequence-Ovosiston] Sander W, et al. Dtsch Gesundheitsw 27:2343-7, 7 Dec 72 (Eng. Abstr.) (Ger)

[Insulin secretion disorders] Lauhe H.
Dtsch Med J 23:584-8, Oct 72 (Ger)
[Von-Willebrand-Jürgens syndrome] Winckelmann G.
Med Klin 68:37-42, 12 Jan 73 (Ger)
[Cerebrovascular disorders due to medication with oral contraceptives] Pendl G.
Munch Med Wochenschr 115:178-82, 9 Feb 73 (Eng. Abstr.) (Ger)

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al.
J Natl Cancer Inst 49:813-9, Sep 72

CONTRACEPTIVES, POSTCOITAL

Effect of oral diethylstilbestrol on plasma progesterone. Board JA, et al.
Fertil Steril 24:95-7, Feb 73
Progress in human fertility control: the coital use of progestagens. Zañartu J, et al.
J Reprod Fertil 32:279-81, Feb 73

ADMINISTRATION & DOSAGE

The hormonal and antifertility activity of 2,6-cis diphenylhexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. Biol Reprod 7:260-6, Oct 72
Potential antifertility agents. 3. Substituted dibenzothiophenecarboxylic acids and derivatives. Crenshaw RR, et al. J Med Chem 15:1162-5, Nov 72
[Principles of hormonal contraception] Hammerstein J. Arch Dermatol Forsch 244:478-90, 1972 (Ger)

CHEMICAL SYNTHESIS

Potential antifertility agents. 3. Substituted dibenzothiophenecarboxylic acids and derivatives. Crenshaw RR, et al. J Med Chem 15:1162-5, Nov 72

PHARMACODYNAMICS

Attachment reaction of rat uterine luminal epithelium. V. Suppression of the attachment reaction by some antifertility agents. Ljungkvist I, et al.
Contraception 5:473-88, Jun 72
Potential antifertility agents. 3. Substituted dibenzothiophenecarboxylic acids and derivatives. Crenshaw RR, et al. J Med Chem 15:1162-5, Nov 72

THERAPEUTIC USE

What's new in surgery. Gynecology and obstetrics. McElin TW. Surg Gynecol Obstet 136:197-201, Feb 73

CORPUS LUTEUM HORMONES

BIOSYNTHESIS

[Endocrine environment of pregnancy, a study of urinary hormones] Kamata S.
Clin Endocrinol (Tokyo) 20:709-14, Sep 72 (Jap)

BLOOD

[Survival of fertilized ova and hormonal dynamics] Takagi S, et al.
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)

CRONOLONE

PHARMACODYNAMICS

Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes. Pelletier J, et al.
J Reprod Fertil 31:496, Dec 72

CYPROTERONE

ADMINISTRATION & DOSAGE

[New drugs. 9] Baumann D.
Pharm Prax 2:Suppl 2:46-8, 1973 (Ger)

ADVERSE EFFECTS

Experience in the treatment of prostatic carcinoma with cyproterone acetate. Wein AJ, et al.
J Urol 109:68-70, Jan 73
[New drugs. 9] Baumann D.
Pharm Prax 2:Suppl 2:46-8, 1973 (Ger)

PHARMACODYNAMICS

Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS.
Endocrinology 92:1043-50, Apr 73
Androgen-stimulated labelling of chromosomal proteins by isolated prostate nuclei. Anderson KM, et al. Exp Cell Res 77:143-58, 15 Mar 73
Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. Exp Cell Res 77:111-20, 15 Mar 73
On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Cusick EK, et al.
Gen Comp Endocrinol 19:441-56, Dec 72
Binding of testosterone to uterine components of the immature rat. Giannopoulos G.
J Biol Chem 248:1004-10, 10 Feb 73
Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al.
J Clin Endocrinol Metab 36:706-14, Apr 73
Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al.
J Clin Endocrinol Metab 36:600-4, Mar 73
The effect of cyproterone acetate pretreatment on the in vitro metabolism of aniline, hexobarbital and 3 H-digitoxigenin. Talcott RE, et al.
J Pharmacol Exp Ther 184:419-23, Feb 73
The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. Ellendorff F, et al.
J Reprod Fertil 32:299-303, Feb 73
Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. Steroids 21:17-26, Jan 73
[Growth of hair during a combined antiandrogen and estrogen therapy in female test persons] Laur S.
Arch Dermatol Forsch 244:515-23, 1972 (Ger)

THERAPEUTIC USE

Experience in the treatment of prostatic carcinoma with cyproterone acetate. Wein AJ, et al.
J Urol 109:68-70, Jan 73
[Principles of hormonal contraception] Hammerstein J. Arch Dermatol Forsch 244:478-90, 1972 (Ger)
[Growth of hair during a combined antiandrogen and estrogen therapy in female test persons] Laur S.
Arch Dermatol Forsch 244:515-23, 1972 (Ger)
[Oral contraceptives and acne vulgaris] Winkler K.
Arch Dermatol Forsch 244:503-7, 1972 (Ger)
[Antiandrogens in female androgenetic alopecia] Winkler K. Hautarzt 23:518-9, Nov 72 (Ger)
[Therapy of exhibitionism] Vogt HJ.
Med Klin 68:129, 26 Jan 73 (Ger)
[New drugs. 9] Baumann D.
Pharm Prax 2:Suppl 2:46-8, 1973 (Ger)

TOXICITY

The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. Ellendorff F, et al.
J Reprod Fertil 32:299-303, Feb 73

DIETHYLSTILBESTROL

Stilbestrol-augmented disseminated intravascular coagulation in rats after infusion of endotoxin. Theiss W, et al. Am J Obstet Gynecol 115:775-82, 15 Mar 73
Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72
The chick as a laboratory model for the study of estrogen-induced hyperlipidemia. Kudzma DJ, et al.
Metabolism 22:423-34, Mar 73
What's new in surgery. Urology. Cockett AT.
Surg Gynecol Obstet 136:219-20, Feb 73

ADMINISTRATION & DOSAGE

The hormonal and antifertility activity of 2,6-cis

diphenylhexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. Biol Reprod 7:260-6, Oct 72
Stilboestrol diphospbate in hypercalcaemia due to parathyroid carcinoma. Sigurdsson G, et al. Br Med J 1:27-8, 6 Jan 73
Effect of oral dietbylstilbestrol on plasma progesterone. Board JA, et al. Fertil Steril 24:95-7, Feb 73
A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Studies on the arrested development of Haemonchus contortus in sheep. II. Termination of arrested development and the spring rise phenomenon. Blitz NM, et al. Int J Parasitol 2:13-22, Mar 72
Rapid estrogen-induced hypercalcemia. Swaroop S, et al. JAMA 223:913-4, 19 Feb 73

ADVERSE EFFECTS

The detection of vaginal adenosis and clear cell carcinoma. Vooijs PG, et al. Acta Cytol (Baltimore) 17:59-63, Jan-Feb 73
Studies of nuclear DNA in vaginal adenosis and clear-cell adenocarcinoma. Lewis JL Jr, et al. Am J Obstet Gynecol 115:737-50, 15 Mar 73
A "second generation" stilbestrol alert. A memo to physicians of California from tbe CMA Committee on Pharmacy and Therapeutics. Calif Med 118:69, Mar 73
Rapid estrogen-induced bypercalcemia. Swaroop S, et al. JAMA 223:913-4, 19 Feb 73
Drugs in pregnancy. Med Lett Drugs Ther 14:94-6, 8 Dec 72
Vaginal adenosis: diagnosis by palpation. Straus JH, et al. N Engl J Med 288:525-6, 8 Mar 73
Clear cell adenocarcinoma in young women. Kantor HI, et al. Obstet Gynecol 41:443-6, Mar 73
Potential environmental chemical hazards. II. Feed additives and pesticides. Fishbein L, et al. Sci Total Environ 1:31-64, May 72 (126 ref.)
[Case of porphyria cutanea tarda appearing during treatment with estrogens] Reginster JP. Arch Belg Dermatol Syphiligr 28:179-80, Apr-Jun 72 (Eng. Abstr.) (Fre)
[Administration of some drugs to pregnant or breast feeding women] Okla J. Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)

ANALYSIS

The effect of altered bepatic function on the toxicity, plasma disappearance and biliary excretion of diethyistilbestrol. Klaassen CD. Toxicol Appl Pharmacol 24:142-9, Jan 73

BLOOD

Tbe effect of altered hepatic function on tbe toxicity, plasma disappearance and biliary excretion of diethyistilbestrol. Klaassen CD. Toxicol Appl Pharmacol 24:142-9, Jan 73

METABOLISM

Estrogens and antiestrogens. Geynet C, et al. Gynecol Invest 3:2-29, 1972
A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. Steroids 20:597-608, Nov 72
Tbe effect of altered hepatic function on tbe toxicity, plasma disappearance and biliary excretion of diethylstilbestrol. Klaassen CD. Toxicol Appl Pharmacol 24:142-9, Jan 73

PHARMACODYNAMICS

Antiestrogens: studies using an in vitro estrogen-responsive uterine system. Katzenellenbogen BS, et al. Biochem Biophys Res Commun 50:1152-9, 20 Feb 73
The hormonal and antifertility activity of 2,6-cis diphenylhexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. Biol Reprod 7:260-6, Oct 72
A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al. Br J Clin Pract 26:567-8, Dec 72
Activity of the reticuloendothelial system and the antibody response. II. Effect of stilboestrol on the immune response to sbeep erythrocytes in the mouse. Sijlvić VS, et al. Br J Exp Pathol 54:69-78, Feb 73
Activity of the reticuloendothelial system and the antibody response. I. Effect of stilboestrol on RES activity and localization of sheep erythrocytes in the mouse. Warr GW, et al. Br J Exp Pathol 54:56-68, Feb 73
Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. Contraception 6:411-21, Nov 72
Effect of oral diethylstilbestrol on plasma progesterone. Board JA, et al. Fertil Steril 24:95-7, Feb 73
A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Changes in the plasma volume (125 I-serum albumin label) and the total circulating erythrocyte mass (51 CrO 4 label) in Japanese quail treated with stilbestrol or witb testosterone. Nirmalan GP, et al. Gen Comp Endocrinol 20:150-4, Feb 73
Studies on the arrested development of Haemonchus contortus in sheep. II. Termination of arrested development and the spring rise phenomenon. Blitz NM, et al. Int J Parasitol 2:13-22, Mar 72
Estrogen-induced human luteolysis. Gore BZ, et al. J Clin Endocrinol Metab 36:615-7, Mar 73
[Mechanism of regression of Müllerian ducts induced with estrogens in the chick embryo] Maraud R, et al. C R Soc Biol (Paris) 166:862-4, 1972 (Fre)

THERAPEUTIC USE

Priapism in sickle cell disease: report of five cases. Karayalcin G, et al. Am J Med Sci 264:289-93, Oct 72
Effect of oestrogen therapy on plasma and urinary levels of uric acid. Nicholls A, et al. Br Med J 1:449-51, 24 Feb 73
Stilboestrol dipbosphate in hypercalcaemia due to parathyroid carcinoma. Sigurdsson G, et al. Br Med J 1:27-8, 6 Jan 73
Turner's syndrome: report of a case. White BJ. J Am Osteopath Assoc 72:490-3, Jan 73
Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. Carroll FI, et al. J Med Chem 15:1158-61, Nov 72

TOXICITY

The effect of altered hepatic function on the toxicity, plasma disappearance and biliary excretion of diethylstilbestrol. Klaassen CD. Toxicol Appl Pharmacol 24:142-9, Jan 73

DIMETHISTERONE

ADVERSE EFFECTS

[Effects of various contraceptive hormones on blood coagulation] Lorrain J, et al. Union Med Can 101:2426-31, Nov 72 (Fre)

PHARMACODYNAMICS

The effects of some progestational steroids on pubertal ovulation in the rat. Boris A, et al. Contraception 5:57-64, Jan 72

DROMOSTANOLONE

THERAPEUTIC USE

[Principles, technic and clinical performance of synchronized radiotherapy] Ammon J, et al. Strahlentherapie 144:625-34, Dec 72 (Eng. Abstr.) (Ger)

DYDROGESTERONE

PHARMACODYNAMICS

Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al. J Clin Endocrinol Metab 36:706-14, Apr 73

ESTRADIOL

Isolation and characterization of 17 -hydroxy steroid dehydrogenase from buman erythrocytes. Mulder E, et al. Biochem J 127:649-59, May 72
Temperature-dependent binding of estrogen receptor

to chromatin. McGuire WL, et al.
Biochemistry 11:4562-5, 21 Nov 72

Oestradiol "neo nuclear receptor" in the rat uterus: sedimentation constant and conditions of formation. Rocbefort H, et al. **Biochimie** 54:1303-17, 1972

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. **Biol Reprod** 7:278-87, Oct 72

Effect of estrogen antibodies on pregnancy in the rat. Wotiz HH, et al. **Gynecol Invest** 3:124-5, 1972

Steroidglucuronyltransferases. IV. Localization of the oestradiol-17 -glucuronyltransferase in the outer membrane of the mitochondria of pig intestine. Rao GS, et al.
Hoppe Seylers Z Physiol Chem 353:1789-97, Nov 72

Steroidglucuronyltransferases. 3. Oestradiol-17 3-glucuronyltransferase of the mitochondria of pig intestine. Schumacher R, et al.
Hoppe Seylers Z Physiol Chem 353:1784-8, Nov 72

Similarity of the estrogen receptor in human and rat mammary carcinoma. McGuire WL, et al.
J Clin Endocrinol Metab 36:548-52, Mar 73

Gonadal hormones and behavior of normal and pseudobermapbroditic nonhuman female primates. Goy RW, et al. **Recent Prog Horm Res** 28:707-33, 1972

A simple chemical method for the synthesis of catechol estrogens. Gelbke HP, et al. **Steroids** 21:205-18, Feb 73

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al.
Steroids 20:651-67, Dec 72

Factors involved in the production of specific antibodies to estriol and estradiol. Walker CS, et al.
Steroids 21:259-83, Feb 73

Epithelial ultrastructure and the distribution of an estradiol sensitive antigen in the vagina of adult mice. Kvinnsland S, et al.
Z Zellforsch Mikrosk Anat 136:263-75, 1973

ADMINISTRATION & DOSAGE

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. **Am J Med** 54:195-200, Feb 73

The hormonal and antifertility activity of 2,6-cis dipbenylbexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. **Biol Reprod** 7:260-6, Oct 72

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al.
Biol Reprod 8:43-7, Feb 73

Control of fertility by monthyl injections of a mixture of norgestrel and a long-acting estrogen. A preliminary report. Souza JC de, et al.
Contraception 5:395-9, May 72

Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice. Takasugi N, et al.
Endocrinol Jap 19:417-22, Oct 72

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al.
Endocrinol Jap 19:423-8, Oct 72

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. **Fertil Steril** 23:769-75, Oct 72

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril** 23:745-50, Oct 72

Effects of injections of a norethandrolone suspension of synchronization of estrus and conception in beef cattle. Smith LE Jr, et al. **J Anim Sci** 36:67-71, Jan 73

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. **J Anim Sci** 35:1228-32, Dec 72

Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment. Lee AE.
J Endocrinol 55:507-13, Dec 72

A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al.
Obstet Gynecol 41:227-33, Feb 73

Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikh AA. **Prostaglandins** 2:227-33, Sep 72

Activation of lordotic responding in female rats by suppression of serotonergic activity. Zemlan FP, et al.
Science 179:1010-1, 9 Mar 73

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al.
Steroids 20:627-38, Nov 72

[The effect of successive administration of 17-beta-estradiol and progesterone on the excretion of sodium and potassium and their level in renal tissue] Radev AI.
Akush Ginekol (Sofiia) 11:350-6, 1972 (Eng. Abstr.) **(Bul)**

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) **(Ger)**

[Regulatory action of estrogen and progesterone in DNA syntbesis of the endometrium] Kakita M.
Folia Endocrinol Jap 49:17-31, 20 Jan 73 (Eng. Abstr.) **(Jap)**

[The effect of ethymizole on the gonadotropic function of the hypopbysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Effects of various contraceptive hormones on blood coagulation] Lorrain J, et al.
Union Med Can 101:2426-31, Nov 72 **(Fre)**

ANALYSIS

Amniotic and allantoic fluid levels of oestrogens at different stages of development in the goat. Lyngset O, et al. **Acta Vet Scand** 13:269-71, 1972

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al.
Steroids 21:133-45, Jan 73

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al.
Steroids 20:761-71, Dec 72

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids** 21:233-44, Feb 73

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Estrogen levels in seminal plasma. Comparison with the spermogram] Tea NT, et al.
Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Studies on metabolism of steroid hormones in vertebrates. X. Metabolism of (4- 14C)estrone in liver slices of normal and of sex-converted African water frogs (Xenopus laevis)] Breuer J, et al.
Hoppe Seylers Z Physiol Chem 353:1915-21, Dec 72 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Hexoestrol analogues as probes of oestrogen receptors. I. Importance of hydrogen-bonding groups for receptor binding. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:441-8, 1972

Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972

Action of an estradiol-17beta antagonist in intact, ovariectomized, hypophysectomized and hypophysectomized-ovariectomized rats. DiPasquale G, et al. **Contraception** 5:39-51, Jan 72

The use of estrogen antagonists in hormone receptor studies. Jensen EV, et al. **Gynecol Invest** 3:108-23, 1972

Effect of antiestrogens on uterine estradiol receptors. Rocbefort H, et al. **Gynecol Invest** 3:43-62, 1972

Antifertility properties of a new prostaglandin-ICI 74205. Labhsetwar AP.
Prostaglandins 2:375-92, Nov 72

BIOSYNTHESIS

Estrogen formation in tbe brain. Ryan KJ, et al. Am J Obstet Gynecol 114:454-60, 15 Oct 72

Oestrogen metabolism in cultured human breast tumours. Willcox PA, et al. Br J Cancer 26:453-60, Dec 72

Influence of the fornix section on the biosynthesis of ovarian steroids in tbe rabbit. Kawakami M, et al. Endocrinol Jap 19:429-33, Oct 72

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al. Gen Comp Endocrinol 19:509-14, Dec 72

BLOOD

Peripheral plasma levels of oestrogens and progesterone during late bovine pregnancy. Edqvist LE, et al. Acta Endocrinol (Kbh) 72:81-8, Jan 73

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during tbe luteal phase of the normal menstrual cycle. Jobansson ED. Acta Obstet Gynecol Scand 52:37-40, 1973

Effects of luteectomy and progesterone replacement therapy in early pregnant patients. Csapo AI, et al. Am J Obstet Gynecol 115:759-65, 15 Mar 73

Hormonal factors in buman ovulation. Taymor ML, et al. Am J Obstet Gynecol 114:445-53, 15 Oct 72

Maternal serum 17 -estradiol levels in normal and complicated pregnancies: a comparison witb otber estrogen indices of fetal health. Townsley JD, et al. Am J Obstet Gynecol 115:830-4, 15 Mar 73

Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma. Powell JE, et al. Clin Chem 19:210-5, Feb 73

Postovulatory contraception in women witb large doses of norethindrone. Nygren KG, et al. Contraception 5:445-56, Jun 72

Functional luteolysis in the rhesus monkey; the role of estrogen. Karscb FJ, et al. Endocrinology 92:1148-52, Apr 73

Cyclic variations of serum progestins and immunoreactive estrogens in marmosets. Preslock JP, et al. Endocrinology 92:1096-101, Apr 73

Plasma testosterone, estradiol, and gonadotrophins in bepatic insufficiency. Kent JR, et al. Gastroenterology 64:111-5, Jan 73

Estrogens and antiestrogens. Geynet C, et al. Gynecol Invest 3:2-29, 1972

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. J Anim Sci 36:391-6, Feb 73

LH, prolactin, estradiol and progesterone in bovine blood serum during early pregnancy. Wettemann RP, et al. J Anim Sci 36:51-6, Jan 73

Prostaglandin E2 and tbe luteal pbase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growtb bormone levels. Henzl MR, et al. J Clin Endocrinol Metab 36:784-7, Apr 73

Episodic secretion of luteinizing hormone (LH) in adolescent patients witb the syndrome of gonadal dysgenesis. Keicb RP, et al. J Clin Endocrinol Metab 36:424-7, Mar 73

Suppressed follicle-stimulating bormone (FSH) in women witb gestational trophoblastic neoplasms. Reiter EO, et al. J Clin Endocrinol Metab 36:697-701, Apr 73

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of tbe kaolin-acetone and acetone extraction techniques. Reiter EO, et al. J Clin Endocrinol Metab 36:661-5, Apr 73

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al. J Natl Cancer Inst 49:847-52, Sep 72

Steroid plasma levels about oestrus in tbe beef cow. Blockey MA, et al. J Reprod Fertil 32:342-3, Feb 73

An explanation for tbe absence of post-parturient ovulation in tbe ewe. Chamley WA, et al. J Reprod Fertil 32:334-5, Feb 73

Oestrogens in the peripheral plasma of the cow about the time of parturition. Drinan JP, et al. J Reprod Fertil 32:335-6, Feb 73

Oestradiol-17 and progesterone after induction of superovulation by PMSG in cattle. Lemon M, et al. J Reprod Fertil 31:501-2, Dec 72

Hormonal changes around oestrus in the cow. Nancarrow CD, et al. J Reprod Fertil 32:320-1, Feb 73

Plasma oestradiol, progesterone and luteinizing hormone concentrations during the ovine oestrous cycle. Pant HC, et al. J Reprod Fertil 31:501, Dec 72

Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al. J Reprod Med 9:287-91, Dec 72

Interaction between regions of tbe bypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN. Neurosci Behav Physiol 5:195-9, Jul-Sep 72

Effect of pbotoperiodicity on tbe circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo). Bajpayee DP, et al. Poult Sci 51:1157-65, Jul 72

Massive initial prostaglandin impact in postconceptional tberapy. Csapo AI, et al. Prostaglandins 2:125-34, Aug 72

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -etbyl-17-etbynyl-17 -bydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al. Steroids 21:133-45, Jan 73

Some observations on the measurement of estradiol-17 in human plasma by radioimmunoassay. Cameron EH, et al. Steroids 20:737-59, Dec 72

Physiococbemical properties of the 5 -dihydrotestosterone binding protein in human male serum. Hansson V, et al. Steroids 20:555-74, Nov 72

Influence of rat estradiol binding plasma protein (EBP) on uterotrophic activity. Raynaud JP. Steroids 21:249-58, Feb 73

A metbod for tbe extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. Steroids 20:651-67, Dec 72

[A case of transient gynecomasty witb hyperestrogenesis of nontumoral testicular origin] Gorins A, et al. Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Response of tbe normal testis to stimulation by chorionic gonadotropin. Steroid levels in tbe urine, plasma and sperm] Scholler R, et al. Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Micro-quantitative determination of serum estradiol-17-beta by competitive protein-binding radioassay] Kusama M, et al. Clin Endocrinol (Tokyo) 20:761-8, Sep 72 (Jap)

[Survival of fertilized ova and bormonal dynamics] Takagi S, et al. Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)

CHEMICAL SYNTHESIS

A thiopyridine derivative of 17 beta-estradiol. Borka L, et al. Acta Pharm Suec 9:305-8, Sep 72

METABOLISM

Quantitative assessment of tbe principal steroids formed by buman placentas perfused with labelled cholesterol in vitro. Teiegdy G, et al. Acta Endocrinol (Kbh) 72:127-36, Jan 73

The effect of thiols on oestradiol binding by components of human malignant breast tumours. Braunsberg H, et al. Biochem J 130:38P, Nov 72

Temperature-dependent binding of estrogen receptor to chromatin. McGuire WL, et al. Biochemistry 11:4562-5, 21 Nov 72

Oestradiol "neo nuclear receptor" in tbe rat uterus: sedimentation constant and conditions of formation. Rochefort H, et al. Biochimie 54:1303-17, 1972

The 17 bydroxysteroid NAD (P) oxidoreductases from female rabbit liver cytosol: separation and characterization. Thaler-Dao H, et al. Biochimie 54:83-91, 1972

Oestrogen metabolism in cultured human breast tumours. Willcox PA, et al. Br J Cancer 26:453-60, Dec 72

Estimation of the association constant of the estrogen-receptor complex in human breast cancer. Hähnel R, et al. Cancer Res 33:559-66, Mar 73

Studies on steroid conjugates. X. Significance of conjugation involved in biosyntbesis of

2-methoxyestrogen. Nambara T, et al. **Chem Pharm Bull (Tokyo) 20:2235-9, Oct 72**

Rabbit testosterone-binding-globulin. I. Physico-chemical properties. Mahoudeau JA, et al. **Endocrinology 92:1113-9, Apr 73**

Steroid-binding properties of a plasma-membrane fraction from rat liver. Blyth CA, et al. **Eur J Biochem 32:57-62, 3 Jan 73**

Estrogen-sensitive cell lines: uptake of labeled sex steroids and growth properties. Sonnenschein C, et al. **Exp Cell Res 76:41-6, 30 Mar 73**

Effect of intrauterine copper on the uptake of estradiol-C 14 by rat tissues. Adadevoh BK, et al. **Fertil Steril 24:54-9, Jan 73**

Estrogens and antiestrogens. Geynet C, et al. **Gynecol Invest 3:2-29, 1972**

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate animal experiments. Schulz KD, et al. **Gynecol Invest 3:135-41, 1972**

Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution. Wagner RK, et al. **Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72**

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. **J Biol Chem 248:1004-10, 10 Feb 73**

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al. **J Natl Cancer Inst 49:647-52, Sep 72**

Steroid hormone-binding in sheep pregnancy myometrium. Rossier G, et al. **J Reprod Fertil 31:502-3, Dec 72**

The effect of actinomycin D on the binding of tritiated oestradiol-17 by the mouse vagina. Stone GM, et al. **J Reprod Fertil 32:344-5, Feb 73**

Sex-hormone-binding globulin is an oestrogen amplifier. Burke CW, et al. **Nature 240:36-40, 3 Nov 72**

Receptor-estrogen complex in the nuclear fraction of the pituitary and hypothalamus of male and female immature rats. Clark JH, et al. **Neuroendocrinology 10:216-26, 1972**

Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přibyl T, et al. **Physiol Bohemoslov 21:497-502, 1972**

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al. **Steroids 21:133-45, Jan 73**

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al. **Steroids 20:627-38, Nov 72**

Further characterization of the 5 -dihydrotestosterone binding protein in the epididymal cytosol fraction. In vitro studies. Hansson V. **Steroids 20:575-96, Nov 72**

A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. **Steroids 20:597-606, Nov 72**

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al. **C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)**

[Autoradiographic localization of estrogen uterine receptors by means of affinity cell labelling] Uriel J, et al. **C R Acad Sci [D] (Paris) 275:2715-6, 6 Dec 72 (Fre)**

PHARMACODYNAMICS

Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Griffiths EC, et al. **Acta Endocrinol (Kbh) 72:9-17, Jan 73**

The effects of ovarian steroids on food and water intake and body weight in the female rat. Tarttelin MF, et al. **Acta Endocrinol (Kbh) 72:551-68, Mar 73**

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y. **Acta Obstet Gynaecol Jap 19:1-15, Jan 72**

Evidence for local renin formation in the rabbit oviduct. Eskildsen PC. **Acta Pathol Microbiol Scand [A] 80:743-50, 1972**

Age dependence of the effect of oestrogenic treatment on the acid mucopolysaccharide pattern in the skin of mice. Grosman N. **Acta Pharmacol Toxicol (Kbh) 31:550-3, 1972**

The effects of estrogen and progesterone on the blood levels of glucose, non-esterified fatty acids and cholesterol in ovariectomized sheep. Luthman J, et al. **Acta Vet Scand 13:242-50, 1972**

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. **Am J Obstet Gynecol 113:676-80, 1 Jul 72**

Studies of the influence of estradiol and growth hormone on the hypophysectomized immature rat epiphyseal cartilage growth plate. Strickland AL, et al. **Am J Obstet Gynecol 115:471-7, 15 Feb 73**

Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. **Am J Obstet Gynecol 115:655-6, 15 Mar 73**

Scanning electron microscopy of ovoimplantation. Bergström S. **Arch Gynaekol 212:285-307, 1972**

Oestradiol inhibits collagen breakdown in the involuting rat uterus. Ryan JN, et al. **Biochem J 127:705-13, May 72**

The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. **Biol Reprod 7:238-46, Oct 72**

The hormonal and antifertility activity of 2,6-cis diphenylhexamethylcyclotetrasiloxane in the female rat. Levier RR, et al. **Biol Reprod 7:260-6, Oct 72**

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al. **Biol Reprod 8:43-7, Feb 73**

Immunological studies with rat prostate: antigenic localization and effect of hormones. Rao SS, et al. **Biol Reprod 8:29-37, Feb 73**

Effects of progesterone and estrogen on the fate of blastocysts in ovariectomized pregnant ferrets: a preliminary study. Wu JT, et al. **Biol Reprod 7:231-7, Oct 72**

Hair replacement in the guinea-pig and in man. Jackson D. **Br J Dermatol 67:509-11, Nov 72 (27 ref.)**

Effect on reproductive organs of three clomiphene analogues. Basu J. **Br J Pharmacol 46:324-8, Oct 72**

The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. **Br Poult Sci 14:121-5, Jan 73**

Responses of single units in the medulla to genital stimulation in estrous and anestrous cats. Rose JD, et al. **Brain Res 50:67-99, 14 Feb 73**

Uterine and hepatic protein biosynthesis in estrogen-treated and thyroidectomized rats. Feng HW, et al. **Clin Chim Acta 42:225-8, Nov 72**

Interference with blastocyst implantation in the mouse by various antifertility compounds. A scanning electron microscope study. Bergström S. **Contraception 5:215-36, Mar 72**

Attachment reaction of rat uterine luminal epithelium. V. Suppression of the attachment reaction by some antifertility agents. Ljungkvist I, et al. **Contraception 5:473-88, Jun 72**

Control of fertility by monthyl injections of a mixture of norgestrel and a long-acting estrogen. A preliminary report. Souza JC de, et al. **Contraception 5:395-9, May 72**

Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al. **Dan Med Bull 19:246-58, Dec 72**

Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice. Takasugi N, et al. **Endocrinol Jap 19:417-22, Oct 72**

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al. **Endocrinol Jap 19:423-8, Oct 72**

The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al. **Endocrinology 92:1256-68, Apr 73**

Functional luteolysis in the rhesus monkey; the role of estrogen. Karsch FJ, et al. **Endocrinology 92:1148-52, Apr 73**

Progesterone "receptor" in rabbit uterus. I. Characterization and estradiol-17beta augmentation. Rao BR, et al. **Endocrinology 92:1229-40, Apr 73**

The effect of oestradiol benzoate on body, uterine, pituitary and adrenal weights in ovariectomized infantile and mature rats. Ber A. **Endokrinologie 60:218-29, 1972**

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Tallián F, et al. **Endokrinologie 60:279-84, 1972**

An analysis of the effects of oestrogen treatment in vivo on the protein-synthetic activity of male

Xenopus liver cell-free systems. Clemens MJ, et al. Eur J Biochem 33:71-80, 15 Feb 73

Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. Exp Cell Res 77:111-20, 15 Mar 73

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al. Fertil Steril 24:116-20, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72

Biologic changes induced by unilateral intrauterine instillation of quinacrine in the rat and their reversal by either estradiol or progesterone. Zipper JA, et al. Fertil Steril 24:48-53, Jan 73

Oestrogen uptake by the central nervous system. Rosner JM, et al. Gynecol Invest 3:30-42, 1972

Aspects on the mode of action of antiestrogens and antiprogestogens. Terenius L, et al. Gynecol Invest 3:96-107, 1972

Further in vitro studies on the reattachment of ribosomes to ribosome-free membranes. Scott-Burden T, et al. Hoppe Seylers Z Physiol Chem 353:1727-34, Nov 72

Estradiol inhibition of ovine luteal progesterone synthesis in vitro. Akbar AM, et al. J Anim Sci 35:1206-9, Dec 72

Effects of injections of a norethandrolone suspension of synchronization of estrus and conception in beef cattle. Smith LE Jr, et al. J Anim Sci 36:67-71, Jan 73

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. J Anim Sci 35:1228-32, Dec 72

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. J Biol Chem 248:1004-10, 10 Feb 73

Regulation of protein synthesis in chick oviduct. IV, Role of testosterone. Palmiter RD, et al. J Biol Chem 248:2107-16, 25 Mar 73

Quantitative measurement of ovalbumin messenger ribonucleic acid activity. Localization in polysomes, induction by estrogen, and effect of actinomycin D. Rhoads RE, et al. J Biol Chem 248:2031-9, 25 Mar 73

An early effect of prolactin on the formation of -lactalbumin by mouse mammary epithelial cells. Vonderhaar BK, et al. J Biol Chem 248:467-71, 25 Jan 73

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al. J Clin Endocrinol Metab 36:661-5, Apr 73

Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. J Endocrinol 55:599-607, Dec 72

Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment. Lee AE. J Endocrinol 55:507-13, Dec 72

Implantation and attachment reaction of rat uterine luminal epithelium at a high dose of oestradiol. Ljungkvist I. J Endocrinol 55:515-8, Dec 72

Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats. Peng YM, et al. J Formosan Med Assoc 71:593-7, 28 Sep 72

A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al. J Invest Dermatol 59:299-304, Oct 72

Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al. J Pharmacol Exp Ther 184:285-90, Jan 73

The inhibitory action of oestradiol-17beta and progesterone on human venous smooth muscle. Barwin BN, et al. J Physiol (Lond) 227:41P-42P, Dec 72

An uptake process for L-noradrenaline resistant to desmethylimipramine (DMI) and 17 -estradiol in the cat spleen. Blakeley AG, et al. J Physiol (Lond) 229:31P-32P, Feb 73

A comparison of the transport of spermatozoa in spayed and entire ewes. Allison AJ. J Reprod Fertil 31:415-23, Dec 72

The release of luteinizing hormone by oestradiol-17 and a synthetic gonadotrophin-releasing factor in ewes affected with clover disease. Findlay JK, et al. J Reprod Fertil 32:341-2, Feb 73

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. J Reprod Med 9:361-71, Dec 72

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI. J Reprod Med 9:400-12, Dec 72

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72

A transport mechanism of mercury into ovarian follicles in laying quail. Nishimura M, et al. Jap J Pharmacol 22:605-16, Oct 72

Adrenergic effects on pineal cell membrane potential. Sakai KK, et al. Life Sci [I] 11:285-91, 15 Mar 72

Failure of -adrenergic blocking agents to alter estrogenic induction of uterine enzymes. Singhal RL, et al. Life Sci [I] 11:255-61, 1 Mar 72

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al. Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

The effect of pilocarpine and oxotremorine on hormone-activated copulatory behavior in the ovariectomized hamster. Lindström LH. Naunyn Schmiedebergs Arch Pharmacol 275:233-41, 1972

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Bahichev VN. Neurosci Behav Physiol 5:195-9, Jul-Sep 72

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al. Obstet Gynecol 41:227-33, Feb 73

Effect of estradiol-17, on the magnitude and distribution of uterine blood flow in nonpregnant, oophorectomized ewes. Rosenfeld CR, et al. Pediatr Res 7:139-48, Mar 73

Stimulus and experiential factors controlling mounting behavior in the female rat. Coniglio L, et al. Physiol Behav 9:263-7, Aug 72

Sexual preferences in neonatally castrated male golden hamsters. Johnson WA, et al. Physiol Behav 9:213-7, Aug 72

Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72

Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands. Přibyl T, et al. Physiol Bohemoslov 21:497-502, 1972

Translational control of specific uterine protein synthesis after estrogen induction. DeAngelo AB, et al. Proc Natl Acad Sci USA 70:18-21, Jan 73

Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Goldman AS, et al. Proc Soc Exp Biol Med 142:691-6, Feb 73

Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone. Saksena SK, et al. Prostaglandins 2:405-11, Nov 72

Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikh AA. Prostaglandins 2:227-33, Sep 72

Neuroendocrine factors in the control of primate behavior. Michael RP, et al. Recent Prog Horm Res 28:665-706, 1972

Activation of lordotic responding in female rats by suppression of serotonergic activity. Zemlan FP, et al. Science 179:1010-1, 9 Mar 73

Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Falconi G, et al. Steroids 20:627-38, Nov 72

Steroid extraction and tissue digestion in the assay of radioactivity in rat brain following tritiated estradiol-17 . Whalen RE, et al. Steroids 21:219-32, Feb 73

Cleavage of ATP by mouse uterine chromatin after in vivo administration of oestradiol. Maurer HR. Z Naturforsch [B] 27:1267-70, Oct 72

[The effect of successive administration of 17-beta-estradiol and progesterone on the excretion of sodium and potassium and their level in renal tissue] Radev AI. Akush Ginekol (Sofiia) 11:350-6, 1972 (Eng. Abstr.) (Bul)

[Morphological changes in the vagina, ovary and hypophysis in experimental animals under the effect of sistocycline] Takeva Ts, et al. Akush Ginekol (Sofiia) 11:409-14, 1972 (Eng. Abstr.) (Bul)

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al.
C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)

[Study of the paradoxical action of estrogens on the Wolffian ducts of female rat fetuses, using an anti-androgen, cyproterone acetate] Stinnakre MG.
C R Acad Sci [D] (Paris) 275:101-3, 3 Jul 72 (Fre)

[Comparative study of changes in gonadotropic cells and testis in male rats treated with estrogens during the neonatal period] Bugnon C, et al.
C R Soc Biol (Paris) 166:550-3, 1972 (Fre)

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:960-4, 1972 (Fre)

[Mechanism of regression of Müllerian ducts induced with estrogens in the chick embryo] Maraud R, et al.
C R Soc Biol (Paris) 166:862-4, 1972 (Fre)

[Synergic effect of copper and zinc ions on ovulation in rabbits] Marois M, et al.
C R Soc Biol (Paris) 166:535-8, 1972 (Fre)

[Trypan blue athrocytosis by rat endometrium. Morphological and dynamic data resulting from changes in the hormonal state] Sartor P.
C R Soc Biol (Paris) 166:577-80, 1972 (Fre)

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

[Effect of epiphysectomy on the structure and the metabolism of the vesical wall in rats] Timmermans L, et al. C R Soc Biol (Paris) 166:968-70, 1972 (Fre)

[New data on mechanisms involved in the early mating induced by estrogens in female rats during 4 day cycles] Vidal N, et al.
C R Soc Biol (Paris) 166:683-6, 1972 (Fre)

[Mechanical properties of the skin] Vogel HG.
Arch Dermatol Forsch 244:130-4, 1972 (Ger)

[Regulation of cyclophosphamide metabolism in rats] Norpoth K, et al.
Hoppe Seylers Z Physiol Chem 353:1553-4, Oct 72 (Ger)

[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland] Domány Z, et al.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)

[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al.
Zentralbl Gynaekol 94:1697-701, 9 Dec 72 (Ger)

[Endocrine control of pregnancy] Hayashi K, et al.
Clin Endocrinol (Tokyo) 20:693-700, Sep 72 (8 ref.) (Jap)

[Regulatory action of estrogen and progesterone in DNA synthesis of the endometrium] Kakita M.
Folia Endocrinol Jap 49:17-31, 20 Jan 73 (Eng. Abstr.) (Jap)

[The effect of ethymizole on the gonadotropic function of the hypophysis] Bekhtereva EP, et al.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Eng. Abstr.) (Rus)

[The effect of local destruction of the hypothalamus on the EKG's of rats following administration of estrogens and progesterone] Kharchenko SF.
Kardiologiia 12:140-2, Nov 72 (Rus)

[Effect of separate and combined use of estrogens and androgens on the morphometric indices of the pancreatic insular apparatus in rats that are intact and with alloxan diabetes] Gasparian EG, et al.
Probl Endokrinol (Mosk) 18:56-61, Jul-Aug 72 (Eng. Abstr.) (Rus)

[Enzymatic and histologic changes in testicular tissue under the influence of gonadotropic hormones] Kolarov P, et al.
Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Hormones and water movement through the vertebrate intestine. Matty AJ, et al. Hormones 3:42-64, 1972

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

SECRETION

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Hormonal factors in human ovulation. Taymor ML, et al.
Am J Obstet Gynecol 114:445-53, 15 Oct 72

[Effect of separate and combined use of estrogens and androgens on the morphometric indices of the pancreatic insular apparatus in rats that are intact and with alloxan diabetes] Gasparian EG, et al.
Probl Endokrinol (Mosk) 18:56-61, Jul-Aug 72 (Eng. Abstr.) (Rus)

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Kbh) 72:182-90, Jan 73

Urinary oestrogen excretion in the goat during the oestrous cycle and after administration of pregnant mare serum gonadotrophin (PMSG). Lyngset O, et al.
Acta Vet Scand 13:272-4, 1972

Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73

Urinary oestrogen excretion in the beagle bitch. Batchelor A, et al. Br Vet J 128:560-6, Nov 72

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73

Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Urinary estrogens. 1. Urinary estrogens of women with normal menstrual cycles analysed by anion exchange column chromatography and gas chromatography and identified by gas chromatography and mass spectrometry] Takano T, et al.
Folia Endocrinol Jap 49:32-47, 20 Jan 73 (Eng. Abstr.) (Jap)

ESTRANES

Isotope effects in enzymatic hydroxylation of steroids. Kim I, et al. J Biol Chem 248:2134-9, 25 Mar 73

ADMINISTRATION & DOSAGE

[Long-term administration of Gestanon in placental insufficiency] Akiyama S, et al.
Clin Endocrinol (Tokyo) 20:747-50, Sep 72 (Jap)

ANALYSIS

[Clinical chemical analysis of 3-methoxy-17-epiestriol] Falkay G, et al.
Acta Pharm Hung 43:1-8, Jan 73 (Eng. Abstr.) (Hun)

CHEMICAL SYNTHESIS

Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Watanabe H, et al. Steroids 21:123-32, Jan 73

ISOLATION & PURIFICATION

Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Watanabe H, et al. Steroids 21:123-32, Jan 73

METABOLISM

Microbiological hydroxylation of steroids. VI. Hydroxylation of simple mono- and di-oxygenated 5 -androstanes and of 3-oxoestranes with the fungus Aspergillus ochraceus. Bell AM, et al.
J Chem Soc [Perkin I] 23:2930-6, 1972

PHARMACODYNAMICS

The effects of some progestational steroids on pubertal

ovulation in the rat. Boris A, et al.
Contraception 5:57-64, Jan 72

THERAPEUTIC USE

[Long-term administration of Gestanon in placental insufficiency] Akiyama S, et al.
Clin Endocrinol (Tokyo) 20:747-50, Sep 72 (Jap)

ESTRIOL

Effect of estrogen antibodies on pregnancy in the rat. Wotiz HH, et al. Gynecol Invest 3:124-5, 1972
Factors involved in the production of specific antibodies to estriol and estradiol. Walker CS, et al. Steroids 21:259-83, Feb 73

ADMINISTRATION & DOSAGE

Hormonal evaluation of vaginal smears from artificial vagina. Moracci E, et al.
Acta Cytol (Baltimore) 17:131-4, Mar-Apr 73
[Quantitative urinary excretion of estrogen following administration of estriol in different dosage forms to ovarectomized women] Ohlenroth G, et al.
Geburtshilfe Frauenheilkd 32:840-6, Oct 72 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Examination of the side effects of estriol preparations] Okuyama M.
Clin Endocrinol (Tokyo) 20:667-70, Aug 72 (Jap)

ANALYSIS

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al.
Steroids 20:761-71, Dec 72
[Estrogen levels in seminal plasma. Comparison with the spermogram] Tea NT, et al.
Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Eng. Abstr.) (Fre)

BIOSYNTHESIS

Studies on steroid conjugates. XI. Biosynthesis of 16-epiestriol glucosiduronate. Nambara T, et al.
Chem Pharm Bull (Tokyo) 20:2607-12, Dec 72

BLOOD

Comparison of maternal serum estriol and urinary estrogen determinations as indices of fetal health. Dubin NH, et al.
Am J Obstet Gynecol 115:835-41, 15 Mar 73
Maternal serum 17 -estradiol levels in normal and complicated pregnancies: a comparison with other estrogen indices of fetal health. Townsley JD, et al.
Am J Obstet Gynecol 115:830-4, 15 Mar 73
Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma. Powell JE, et al. Clin Chem 19:210-5, Feb 73
The use of plasma oestriols in human pregnancy. Macourt DC, et al. J Reprod Fertil 32:331-2, Feb 73
Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al.
J Reprod Med 9:287-91, Dec 72
Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN.
Neurosci Behav Physiol 5:195-9, Jul-Sep 72
Effect of photoperiodicity on the circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo). Bajpayee DP, et al.
Poult Sci 51:1157-65, Jul 72
Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. Prostaglandins 2:93-101, Aug 72
[Survival of fertilized ova and hormonal dynamics] Takagi S, et al.
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)

CHEMICAL SYNTHESIS

Factors involved in the production of specific antibodies to estriol and estradiol. Walker CS, et al.
Steroids 21:259-83, Feb 73

METABOLISM

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al.
J Natl Cancer Inst 49:847-52, Sep 72

PHARMACODYNAMICS

Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. Contraception 6:411-21, Nov 72
Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. Exp Cell Res 77:111-20, 15 Mar 73
Aspects on the mode of action of antiestrogens and antiprogestogens. Terenius L, et al.
Gynecol Invest 3:96-107, 1972
Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al.
J Pharmacol Exp Ther 184:285-90, Jan 73
[Mechanism of regression of Müllerian ducts induced with estrogens in the chick embryo] Maraud R, et al.
C R Soc Biol (Paris) 166:862-4, 1972 (Fre)
[Contraceptive agents and growth of hair on the model of pregnancy from the animal experiment viewpoint] Bosse K. Arch Dermatol Forsch 244:507-10, 1972 (Ger)
[Activity levels of lysosomal enzymes in human serum following application of hormonal contraceptives] Platt D, et al.
Klin Wochenschr 51:91-2, 15 Jan 73 (Eng. Abstr.) (Ger)
[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland] Domány Z, et al.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)
[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al.
Zentralbl Gynaekol 94:1697-701, 9 Dec 72 (Ger)

PHYSIOLOGY

Oestriol and prevention of breast cancer. Lemon HM.
Lancet 1:546-7, 10 Mar 73

THERAPEUTIC USE

Oestriol and prevention of breast cancer. Lemon HM.
Lancet 1:546-7, 10 Mar 73
[Examination of the side effects of estriol preparations] Okuyama M.
Clin Endocrinol (Tokyo) 20:667-70, Aug 72 (Jap)

URINE

The excretion of C-16 oxygenated neutral steroid sulphates and dehydroepiandrosterone sulphate in normal pregnancy, and a comparison with their excretion by endocrinologically normal subjects of both sexes. Seth J, et al.
Acta Endocrinol (Kbh) 72:587-603, Mar 73
Determination of plasma human chorionic somatomammotrophin and urinary oestriol in diabetic pregnancies. Persson B, et al.
Acta Obstet Gynecol Scand 52:63-7, 1973
Estriol in pregnancy. II. Daily urinary estriol assays in the management of the pregnant diabetic woman. Goebelsmann U, et al.
Am J Obstet Gynecol 115:795-802, 15 Mar 73
Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73
The placenta--an environmental problem. Rushton DI.
Br Med J 1:344-8, 10 Feb 73
Urinary oestrogen excretion in the beagle bitch. Batchelor A, et al. Br Vet J 128:560-6, Nov 72
Additional observations on hydrochlorothiazide interference with measurement of total urinary placental estrogens. Acosta AA, et al.
Clin Chem 19:261-3, Feb 73
A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73
Source of estrogen production in postmenopausal

women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73
Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia. Fliegner JR, et al.
J Obstet Gynaecol Br Commonw 79:810-5, Sep 72
The use of plasma oestriols in human pregnancy. Macourt DC, et al. **J Reprod Fertil** 32:331-2, Feb 73
A method for the quantitative determination of urinary estriol conjugates in human pregnancy. Tikkanen MJ, et al. **J Steroid Biochem** 3:807-18, Sep 72
Oestriol and prevention of breast cancer. Lemon HM.
Lancet 1:546-7, 10 Mar 73
Induction of mid-trimester abortion with intrauterine alcohol. Gomel V, et al. **Obstet Gynecol** 41:455-8, Mar 73
Estriol and creatinine in pregnancy urine. Kushinsky S, et al. **Obstet Gynecol** 41:343-6, Mar 73
[Detection of chronic fetal suffering during pregnancy toxemia. Comparative value of urinary estriol determination and of a test of fetal tolerance to uterine contraction] Hajeri H, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:593-4, Sep 72 **(Fre)**
[Fetal malnutrition. Preliminary results of intra-amniotic perfusions and injections of amino acids] Renaud R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:596-7, Sep 72 **(Fre)**
[Urinary elimination of estriol during pregnancy. Normal values, physiologic variations, correlation with newborn infant weight] Scholler R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:592-3, Sep 72 **(Fre)**
[Long-term administration of Gestanon in placental insufficiency] Akiyama S, et al.
Clin Endocrinol (Tokyo) 20:747-50, Sep 72 **(Jap)**
[Simplified screening test for urinary estriol: evaluation of the E3-kit test for the analysis of nocturnal urine and the random urinary samples of pregnant women] Kaneko K, et al.
Clin Endocrinol (Tokyo) 20:751-4, Sep 72 **(Jap)**
[Determination of urinary estriol using the E3 kit] Yamada K, et al.
Clin Endocrinol (Tokyo) 20:887-90, Oct 72 **(Jap)**
[Urinary estrogens. 1. Urinary estrogens of women with normal menstrual cycles analysed by anion exchange column chromatography and gas chromatography and identified by gas chromatography and mass spectrometry] Takano T, et al.
Folia Endocrinol Jap 49:32-47, 20 Jan 73 (Eng. Abstr.) **(Jap)**
[Clinical significance of determining estriol in pregnancy complications] Sila IA, et al.
Akush Ginekol (Mosk) 48:32-6, Nov 72 (Eng. Abstr.) **(Rus)**

ESTROGENIC SUBSTANCES, CONJUGATED

Studies on steroid conjugates. X. Significance of conjugation involved in biosynthesis of 2-methoxyestrogen. Nambara T, et al.
Chem Pharm Bull (Tokyo) 20:2235-9, Oct 72

ADMINISTRATION & DOSAGE

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril** 23:745-50, Oct 72

ADVERSE EFFECTS

Estrogen treatment of tall girls. Schoen EJ, et al.
Am J Dis Child 125:71-4, Jan 73

PHARMACODYNAMICS

Amounts of gonadotrophins required for normal follicular growth in hypophysectomized adult rats. Welschen R. **Acta Endocrinol (Kbh)** 72:137-55, Jan 73
Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Ying SY, et al.
Acta Endocrinol (Kbh) 72:161-72, Jan 73
Estrogen treatment of tall girls. Schoen EJ, et al.
Am J Dis Child 125:71-4, Jan 73
Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. **Contraception** 6:411-21, Nov 72
A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril** 23:745-50, Oct 72
Direct measurement of osteolysis in man. Hansen JW, et al. **J Clin Invest** 52:304-15, Feb 73
Distribution of tritiated human chorionic gonadotropin in superovulated rat ovary. Ashitaka Y, et al.
Proc Soc Exp Biol Med 142:395-7, Feb 73

THERAPEUTIC USE

Estrogen treatment of tall girls. Schoen EJ, et al.
Am J Dis Child 125:71-4, Jan 73
Acute promyelocytic leukemia in pregnancy. Bhoopathi B, et al. **Obstet Gynecol** 41:275-8, Feb 73
Clear cell adenocarcinoma in young women. Kantor HI, et al. **Obstet Gynecol** 41:443-6, Mar 73
Diagnosis and treatment of hirsutism in women. Karp L, et al. **Obstet Gynecol** 41:283-94, Feb 73 (44 ref.)

URINE

Additional observations on hydrochlorothiazide interference with measurement of total urinary placental estrogens. Acosta AA, et al.
Clin Chem 19:261-3, Feb 73
A method for the quantitative determination of urinary estriol conjugates in human pregnancy. Tikkanen MJ, et al. **J Steroid Biochem** 3:807-18, Sep 72

ESTROGENS

Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972
Hexoestrol analogues as probes of oestrogen receptors. I. Importance of hydrogen-bonding groups for receptor binding. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:441-8, 1972
Diffuse hair loss and oral contraceptives. Griffiths WA.
Br J Dermatol 88:31-6, Jan 73
Steroidglucuronyltransferases. IV. Localization of the oestradiol-17 -glucuronyltransferase in the outer membrane of the mitochondria of pig intestine. Rao GS, et al.
Hoppe Seylers Z Physiol Chem 353:1789-97, Nov 72
Mammary tumor regression. I. Physiopathologic characteristics of hormone-dependent tissue. Gullino PM, et al. **J Natl Cancer Inst** 49:1333-48, Nov 72
Mammary tumor regression. II. Autophagy of neoplastic cells. Gullino PM, et al.
J Natl Cancer Inst 49:1349-56, Nov 72
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. **J Pharm Sci** 62:179-200, Feb 73 (162 ref.)
The chick as a laboratory model for the study of estrogen-induced hyperlipidemia. Kudzma DJ, et al.
Metabolism 22:423-34, Mar 73
[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 **(Ger)**

ADMINISTRATION & DOSAGE

Potential antifertility agents. 2. Tetrazole derivatives of nonsteroidal estrogens. Crenshaw RR, et al.
J Med Chem 15:1179-80, Nov 72
Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al.
J Pharmacol Exp Ther 184:285-90, Jan 73
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
[Principles of hormonal contraception] Hammerstein J. **Arch Dermatol Forsch** 244:478-90, 1972 **(Ger)**
[In vitro and in vivo studies on sperm penetration in cervical infertility] Kesserü E von, et al.
Geburtshilfe Frauenheilkd 32:860-73, Oct 72 (Eng. Abstr.) **(Ger)**
[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Thromboembolism and oral contraceptives. Hougie C. Am Heart J 85:538-45, Apr 73 (35 ref.)

Immunosuppression and malignancy. Emery CW. Br Med J 1:422, 17 Feb 73

Infertility after the pill. Lovegrove T. Br Med J 1:48, 6 Jan 73

Bleeding into the rectus abdominis muscle. Fletcher HS, et al. Int Surg 58:97-9, Feb 73

The porphyrias: a review. Elder GH, et al. J Clin Pathol 25:1013-33, Dec 72 (202 ref.)

Accelerated hypertension secondary to oral contraceptives. Sokol SA. J Maine Med Assoc 64:52-3 passim, Mar 73

Oral contraceptives and thromboembolism. Med Lett Drugs Ther 14:61-2, 18 Aug 72

Two minutes with the oral contraceptives. Warren MP. Med Times 101:129-30 passim, Mar 73

Epidemiology of benign breast lesions: lack of association with oral contraceptive use. Sartwell PE, et al. N Engl J Med 288:551-4, 15 Mar 73

Thrombotic predisposition associated with oral contraceptives. Zuck TF, et al. Obstet Gynecol 41:427-35, Mar 73

[Survival of patients with cancer of the prostate] Denis R. J Urol Nephrol (Paris) 78:641-7, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Advances in gynecology] Millet D, et al. Rev Prat 22:Suppl:42-4, 25 Nov 72 (Fre)

[Clinical adverse effects and biochemical changes due to ovulation inhibitors] Clavadetscher P, et al. Schweiz Med Wochenschr 103:231-7, 17 Feb 73 (Eng. Abstr.) (Ger)

[Postmenopausal estrogen therapy and thrombosis] Bergsjo P. Tidsskr Nor Laegeforen 92:2354, 6 Dec 72 (Nor)

ANALYSIS

The clinical value of amniotic fluid analysis in pregnancies complicated by Rh-isoimmunization or hepatosis. Jonasson LE. Acta Obstet Gynecol Scand 52:113-30, 1973

Morphology and histoenzymology of the human testicle in some cases of infertility. Chiara F, et al. Andrologie 4:75-83, 1972

The preparation and use of (125 I) steroid-albumin conjugates as tracers in steroid radioimmunoassays. Jeffcoate SL, et al. Clin Chim Acta 43:343-9, 12 Feb 73

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. Jap J Physiol 22:505-16, Oct 72

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Estrogen levels in seminal plasma. Comparison with the spermogram] Tea NT, et al. Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Eng. Abstr.) (Fre)

[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al. Gerontol Clin (Basel) 14:160-71, 1972 (Fre)

ANTAGONISTS & INHIBITORS

Antiestrogens: studies using an in vitro estrogen-responsive uterine system. Katzenellenbogen BS, et al. Biochem Biophys Res Commun 50:1152-9, 20 Feb 73

Effect on reproductive organs of three clomiphene analogues. Basu J. Br J Pharmacol 46:324-8, Oct 72

Anti-oestrogen therapy for breast cancer: a trial of tamoxifen at two dose levels. Ward HW. Br Med J 1:13-4, 6 Jan 73

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. Cancer Res 33:220-5, Feb 73

Interference with blastocyst implantation in the mouse by various antifertility compounds. A scanning electron microscope study. Bergström S. Contraception 5:215-36, Mar 72

Attachment reaction of rat uterine luminal epithelium. V. Suppression of the attachment reaction by some antifertility agents. Ljungkvist I, et al. Contraception 5:473-88, Jun 72

Facilitation of ovulation with antiestrogens in immature rats primed with pregnant mare's serum (PMS). Ying SY, et al. Contraception 5:413-21, May 72

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. Gynecol Invest 3:126-34, 1972

Estrogens and antiestrogens. Geynet C, et al. Gynecol Invest 3:2-29, 1972

The use of estrogen antagonists in hormone receptor studies. Jensen EV, et al. Gynecol Invest 3:108-23, 1972

A critique on the evaluation and mode of action of antiestrogens. Sankaran MS, et al. Gynecol Invest 3:142-7, 1972

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate animal experiments. Schulz KD, et al. Gynecol Invest 3:135-41, 1972

Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells. Szego CM. Gynecol Invest 3:63-95, 1972

Aspects on the mode of action of antiestrogens and antiprogestogens. Terenius L, et al. Gynecol Invest 3:96-107, 1972

Maternal behavior in the rat: facilitation through gonadectomy. Leon M, et al. Science 179:1018-9, 9 Mar 73

BIOSYNTHESIS

Interstitial gland tissue of mammalian ovary. Guraya SS. Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al. Biol Reprod 8:43-7, Feb 73

Studies on steroid conjugates. X. Significance of conjugation involved in biosynthesis of 2-methoxyestrogen. Nambara T, et al. Chem Pharm Bull (Tokyo) 20:2235-9, Oct 72

Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al. J Obstet Gynaecol Br Commonw 79:841-5, Sep 72

Role of the limbic-hypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats. Kawakami M, et al. Med J Osaka Univ 23:57-75, Sep 72

19-hydroxy steroids. V. 3 ,7 ,19-Trihydroxy-5-androsten-17-one 3,19-diacetate: a potential precursor in the biosynthesis of B-ring unsaturated estrogens. Morand P, et al. Steroids 21:47-64, Jan 73

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al. Steroids 20:761-71, Dec 72

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. Steroids 21:233-44, Feb 73

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al. Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

[Estrogen-producing tumors of the ovary and their relation to the endometrial carcinoma] Kruschwitz S. Arch Gynaekol 213:150-61, 1972 (Eng. Abstr.) (Ger)

[Incomplete testicular feminization] Csaba I, et al. Orv Hetil 114:503-5, 4 Mar 73 (Hun)

[Aromatizing properties of perfused human placenta in vitro in relation to different experimental conditions. IV. Effect of excess or deficiency of glucose in the perfusion fluid on the aromatizing properties of the placenta] Pajszczyk-Kleszkiewicz T. Ginekol Pol 43:1381-92, 1972 (Eng. Abstr.) (Pol)

BLOOD

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al. Am J Obstet Gynecol 113:607-15, 1 Jul 72

Time of ovulation in the beagle bitch. Phemister RD, et al. Biol Reprod 8:74-82, Feb 73

Urinary oestrogen excretion in the beagle bitch. Batchelor A, et al. Br Vet J 128:560-6, Nov 72

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. Fertil Steril 24:185-90, Mar 73

Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Czygan PJ, et al. **Gynecol Invest 3:126-34, 1972**

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. **J Anim Sci 36:391-6, Feb 73**

Oestrogens in the pregnant guinea-pig. Challis JR, et al. **J Reprod Fertil 31:504-5, Dec 72**

Hormonal changes in ewes and their fetuses at parturition. Currie WB, et al. **J Reprod Fertil 32:333-4, Feb 73**

Oestrogens in the peripheral plasma of the cow about the time of parturition. Drinan JP, et al. **J Reprod Fertil 32:335-6, Feb 73**

Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. Hunter RH, et al. **J Reprod Fertil 31:499-501, Dec 72**

Intra-uterine administration of prostaglandin F 2 during the second trimester of pregnancy; clinical and hormonal results. Shearman R, et al. **J Reprod Fertil 32:321-2, Feb 73**

Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al. **J Reprod Med 9:448-52, Dec 72**

Endocrine profiles and breast cancer. Morgan RW, et al. **Lancet 1:546, 10 Mar 73**

Effect of photoperiodicity on the circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo). Bajpayee DP, et al. **Poult Sci 51:1157-65, Jul 72**

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. **Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)**

[Estrogen levels in seminal plasma. Comparison with the spermogram] Tea NT, et al. **Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Eng. Abstr.) (Fre)**

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)**

[Survival of fertilized ova and hormonal dynamics] Takagi S, et al. **Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)**

CHEMICAL SYNTHESIS

Potential antifertility agents. 2. Tetrazole derivatives of nonsteroidal estrogens. Crenshaw RR, et al. **J Med Chem 15:1179-80, Nov 72**

A simple chemical method for the synthesis of catechol estrogens. Gelbke HP, et al. **Steroids 21:205-18, Feb 73**

Factors involved in the production of specific antibodies to estriol and estradiol. Walker CS, et al. **Steroids 21:259-83, Feb 73**

DIAGNOSTIC USE

[Metopirone test in menstruation disorders] Stojanov S. **Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)**

[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O. **Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)**

METABOLISM

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh) 72:101-14, Jan 73**

The placenta--an environmental problem. Rushton DI. **Br Med J 1:344-8, 10 Feb 73**

Estimation of the association constant of the estrogen-receptor complex in human breast cancer. Hähnel R, et al. **Cancer Res 33:559-66, Mar 73**

Estrogens and antiestrogens. Geynet C, et al. **Gynecol Invest 3:2-29, 1972**

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest 3:30-42, 1972**

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. **J Biol Chem 248:1004-10, 10 Feb 73**

Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. Harrison FA, et al. **J Physiol (Lond) 227:21P-22P, Dec 72**

Endocrine changes in the ewe and her fetus correlated with uterine activity during parturition. Rawlings NC, et al. **J Reprod Fertil 31:503-4, Dec 72**

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids 21:233-44, Feb 73**

[Morphology of dysfunctional endometrium] Zavadil M, et al. **Sb Lek 75:33-52, Feb 73 (Eng. Abstr.) (Cze)**

[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al. **Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)**

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al. **C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)**

[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G. **Arch Dermatol Forsch 244:495-9, 1972 (Ger)**

[Oral contraceptives and acne vulgaris] Winkler K. **Arch Dermatol Forsch 244:503-7, 1972 (Ger)**

[Quantitative urinary excretion of estrogen following administration of estriol in different dosage forms to ovarectomized women] Ohlenroth G, et al. **Geburtshilfe Frauenheilkd 32:840-6, Oct 72 (Eng. Abstr.) (Ger)**

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al. **Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)**

PHARMACODYNAMICS

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y. **Acta Obstet Gynaecol Jap 19:1-15, Jan 72**

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. **Am J Obstet Gynecol 113:678-80, 1 Jul 72**

The hypothalamus and reproduction. Schally AV, et al. **Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)**

The influence of target sex and dominance on evoked attack in Rhesus monkeys. Alexander M, et al. **Am J Phys Anthropol 38:543-7, Mar 73**

Implantation of blastocysts labeled with (3 H) uridine into the uterus of gonadotropin-treated pseudopregnant prepubertal rats. Sanyal MK, et al. **Biol Reprod 7:207-10, Oct 72**

A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al. **Br J Clin Pract 26:567-8, Dec 72**

Hair replacement in the guinea-pig and in man. Jackson D. **Br J Dermatol 87:509-11, Nov 72 (27 ref.)**

Effect on reproductive organs of three clomiphene analogues. Basu J. **Br J Pharmacol 46:324-8, Oct 72**

Immunological responses in pregnancy. Sijlvić VS. **Br Med J 1:355, 10 Feb 73**

Study on the uterine mucosubstances accompanying the infertility effect of an intrauterine device. Abe T, et al. **Clin Chim Acta 42:29-35, Nov 72**

Steroid contraceptives and plasma carotenoids. Briggs M, et al. **Contraception 6:275-80, Oct 72**

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. **Fertil Steril 24:185-90, Mar 73**

Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al. **Fertil Steril 24:31-43, Jan 73**

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril 23:745-50, Oct 72**

The effects of progestogens on blood clotting and platelet function. Poller L. **J Clin Pathol 25:1007, Nov 72**

Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment. Lee AE. **J Endocrinol 55:507-13, Dec 72**

Potential antifertility agents. 2. Tetrazole derivatives of nonsteroidal estrogens. Crenshaw RR, et al. **J Med Chem 15:1179-80, Nov 72**

The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. Ellendorff F, et al. **J Reprod Fertil 32:299-303, Feb 73**

The effect of an intrauterine device on uterine weight and water content and on genital tract glycogen of cycling, ovariectomized, pseudopregnant or oestrogen-treated hamsters. Gregoire AT, et al. **J Reprod Fertil 31:341-5, Dec 72**

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. **J Reprod Fertil 32:341, Feb 73**

Synthesis of DNA and mitosis in rabbit uteri after

oestrogen and progesterone injections, and during early pregnancy. Lee AE, et al.
J Reprod Fertil 31:473-6, Dec 72

Effect of exogenous estrogen and progesterone upon sex chromatin frequency. Becker KL, et al.
J Urol 109:79-81, Jan 73

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

Further characteristics of the association of thyroxine with adenohypophysial proteins in vitro. Přibyl T, et al. Physiol Bohemoslov 21:503-10, 1972

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al.
Recent Prog Horm Res 28:471-526, 1972

Estrogen action: an inroad to cell biology. Mueller GC, et al. Recent Prog Horm Res 28:1-49, 1972 (31 ref.)

Maternal behavior in the rat: facilitation through gonadectomy. Leon M, et al.
Science 179:1018-9, 9 Mar 73

[Regulation of cholesterol-7 -hydroxylase by intrahepatic sterols in the rat] Cantfort J van.
C R Acad Sci [D] (Paris) 275:1015-7, 28 Aug 72 (Fre)

[Mechanism of regression of Müllerian ducts induced with estrogens in the chick embryo] Maraud R, et al.
C R Soc Biol (Paris) 166:862-4, 1972 (Fre)

[Oral contraceptives and venous diseases] Dapunt O.
Arch Dermatol Forsch 244:490-5, 1972 (Ger)

[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G.
Arch Dermatol Forsch 244:495-9, 1972 (Ger)

[Oral contraceptives and acne vulgaris] Winkler K.
Arch Dermatol Forsch 244:503-7, 1972 (Ger)

[Activity levels of lysosomal enzymes in human serum following application of hormonal contraceptives] Platt D, et al.
Klin Wochenschr 51:91-2, 15 Jan 73 (Eng. Abstr.) (Ger)

[Chemical and physicochemical factors in the effect of steroids] Hüttenrauch R.
Pharmazie 28:84-102, Feb 73 (122 ref.) (Ger)

[Effect of vasopressin on the non-pregnant human uterus in situ] Fröhlich H.
Wien Klin Wochenschr 84:828-31, 22 Dec 72 (Eng. Abstr.) (Ger)

[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland] Domány Z, et al.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)

PHYSIOLOGY

The effects of ovarian steroids on food and water intake and body weight in the female rat. Tarttelin MF, et al.
Acta Endocrinol (Kbh) 72:551-68, Mar 73

Hormonal and social factors affecting evoked sexual behavior in Rhesus monkeys. Perachio AA, et al.
Am J Phys Anthropol 38:227-32, Mar 73

The nature of estrogen and prolactin effect on mammary tumorigenesis. Sinha D, et al.
Cancer Res 33:411-4, Feb 73

Follicle response to exogenous gonadotropins: an estrogen-mediated phenomenon. Goldenberg RL, et al. Fertil Steril 24:121-5, Feb 73

Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)

Estrogen action: an inroad to cell biology. Mueller GC, et al. Recent Prog Horm Res 28:1-49, 1972 (31 ref.)

Maternal behavior in the rat: facilitation through gonadectomy. Leon M, et al.
Science 179:1018-9, 9 Mar 73

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

[Endocrine regulation of labor in cattle, sheep and goats] Agthe O.
Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)

[Constitutionally dependent effects of ovarian steroids on athletic efficiency] Martius G.
Munch Med Wochenschr 115:169-73, 9 Feb 73 (Eng. Abstr.) (Ger)

[Endocrine control of pregnancy] Hayashi K, et al.
Clin Endocrinol (Tokyo) 20:693-700, Sep 72 (8 ref.) (Jap)

[Endocrinological environment at the time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arteriosclerocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M.
Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)

[Survival of fertilized ova and hormonal dynamics] Takagi S, et al.
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)

SECRETION

Plasma renin, renin substrate, angiotensin II, and aldosterone in hypertensive disease of pregnancy. Weir RJ, et al. Lancet 1:291-4, 10 Feb 73

Candida and candidiasis. 1. Cultural conditions, epidemiology and pathogenesis. Drake TE, et al.
Postgrad Med 53:83-7, Feb 73

[The effect of hormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al.
Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)

[Secretory activity of the mammalian embryonic ovary] Weniger JP, et al.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Eng. Abstr.) (Fre)

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

[Paramenopausal and postmenopausal endometriosis. Apropos of 20 cases in a series of 351 with endometriosis] Legros R, et al.
Rev Fr Gynecol Obstet 68:25-33, Jan 73 (Eng. Abstr.) (Fre)

[Functioning tumor of the ovary] Hosokawa T.
Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)

[Research on ovarian endocrinology] Dănilă-Muster A, et al. Stud Cercet Endocrinol 23:397-409, 1972 (Rum)

THERAPEUTIC USE

Carcinoma of the male breast. A 30-year review of 28 cases. Donegan WL, et al. Arch Surg 106:273-9, Mar 73

Effect of oestrogen therapy on plasma and urinary levels of uric acid. Nicholls A, et al.
Br Med J 1:449-51, 24 Feb 73

The coronary drug project. Design, methods, and baseline results. Circulation 47:Suppl 3:1-50, Mar 73

The nonsurgical management of vaginal relaxation. Greenhill JP. Clin Obstet Gynecol 15:1083-97, Dec 72

Medical management of peptic ulcer with reference to anti-ulcer agents in other gastro-intestinal diseases. Piper DW, et al. Drugs 3:366-403, 1972 (172 ref.)

The use of estrogen antagonists in hormone receptor studies. Jensen EV, et al. Gynecol Invest 3:108-23, 1972

Bleeding into the rectus abdominis muscle. Fletcher HS, et al. Int Surg 58:97-9, Feb 73

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

Diagnosis and treatment of hirsutism in women. Karp L, et al. Obstet Gynecol 41:283-94, Feb 73 (44 ref.)

Definitive radiation therapy of carcinoma of the prostate. A report on 15 years of experience. Ray GR, et al. Radiology 106:407-18, Feb 73

Serum copper as an index of tumor response to radiotherapy. Tessmer CF, et al.
Radiology 106:635-9, Mar 73

Acne vulgaris--fact, fancy, and in between. Kallvas J.
Ration Drug Ther 7:1-5, Mar 73

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al.
Recent Prog Horm Res 28:471-526, 1972

Treatment of advanced carcinoma of the prostate by yttrium-90 ablation. Steyn J, et al.
S Afr Med J 47:179-80, 3 Feb 73

Intraductal carcinoma of the prostate gland. Rhamy RK, et al.
Trans Am Assoc Genitourin Surg 64:61-8, 1972

A partially successful attempt at medical treatment of

urinary stress incontinence in women. Musiani U. **Urol Int** 27:405-9, 1972

A new method for the determination of serum nucleotidase. V. Evaluation of the response of serum nucleotidase to bone metastases and therapy in cancer patients. Persijn JP, et al. **Z Klin Chem Klin Biochem** 10:77-85, Feb 72

[The effect of estrogens and progesterone on the membrane potential of the myometrium] Khadzhiev A. **Akush Ginekol (Sofiia)** 11:167-71, 1972 (Bul)

[Relationship between the endocrine ovarian function and incidence of vascular diseases] Novotný A, et al. **Cas Lek Cesk** 112:76-80, 19 Jan 73 (Eng. Abstr.) (Cze)

[Composition of human sebum. Preliminary study of total fatty acids by gas chromatography in acneic and normal females, before and after intake of synthetic estro-progestative agents] Lantz JP, et al. **Ann Dermatol Syphiligr (Paris)** 99:277-80, 1972 (Fre)

[Survival of patients with cancer of the prostate] Denis R. **J Urol Nephrol (Paris)** 78:641-7, Jul-Aug 72 (Eng. Abstr.) (Fre)

[Treatment of duodenal ulcer limited to methods of confirmed value] Sarles H, et al. **Nouv Presse Med** 2:233-6, 27 Jan 73 (Fre)

[In vitro and in vivo studies on sperm penetration in cervical infertility] Kesserü E von, et al. **Geburtshilfe Frauenheilkd** 32:860-73, Oct 72 (Eng. Abstr.) (Ger)

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH. **Wien Klin Wochenschr** 85:Suppl 17:1-14, 1973 (Eng. Abstr.) (Ger)

[Adhesions of the labia minora] Ratzkowski B. **Harefuah** 83:236-7, 15 Sep 72 (Eng. Abstr.) (Heb)

[Stimulation of the generative function of the ovary by drug therapy] Sas M. **Orv Hetil** 114:483-9, 4 Mar 73 (Hun)

[Hemodynamic processes in the functional system of mother-placenta-fetus and their regulation in the interest of the fetus] Garmasheva NL. **Akush Ginekol (Mosk)** 48:33-8, Dec 72 (Eng. Abstr.) (Rus)

URINE

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al. **Am J Med** 54:390-403, Mar 73

Comparison of maternal serum estriol and urinary estrogen determinations as indices of fetal health. Dubin NH, et al. **Am J Obstet Gynecol** 115:835-41, 15 Mar 73

Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al. **Am J Obstet Gynecol** 115:803-10, 15 Mar 73

Hormonal factors in human ovulation. Taymor ML, et al. **Am J Obstet Gynecol** 114:445-53, 15 Oct 72

Maternal serum 17 -estradiol levels in normal and complicated pregnancies: a comparison with other estrogen indices of fetal health. Townsley JD, et al. **Am J Obstet Gynecol** 115:830-4, 15 Mar 73

Genetic and endocrinological studies in a patient with the XYY syndrome. Krawczuk A, et al. **Andrologie** 4:69-74, 1972

Urinary oestrogen excretion in the beagle bitch. Batchelor A, et al. **Br Vet J** 128:560-6, Nov 72

Additional observations on hydrochlorothiazide interference with measurement of total urinary placental estrogens. Acosta AA, et al. **Clin Chem** 19:261-3, Feb 73

A reliable fluorometric method for total urinary estrogens. Goebelsmann U. **Clin Chim Acta** 43:285-93, 12 Feb 73

Growth hormone levels in slipped capital femoral epiphysis. Razzano CD, et al. **J Bone Joint Surg [Am]** 54:1224-6, Sep 72

Cyclical ovarian function in women with congenital absence of the uterus and vagina. Fraser IS, et al. **J Clin Endocrinol Metab** 36:634-7, Apr 73

Administration of melatonin to non-human primates and to women with breast carcinoma. Burns JK. **J Physiol (Lond)** 229:38P-39P, Feb 73

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y. **Kobe J Med Sci** 18:109-31, Jun 72

[A case of transient gynecomasty with hyperestrogenesis of nontumoral testicular origin] Gorins A, et al. **Ann Endocrinol (Paris)** 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al. **Ann Endocrinol (Paris)** 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Schoiler R, et al. **Ann Endocrinol (Paris)** 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Hydrolysis of urinary metabolites of different steroid hormones by -glucuronidase from Escherichia coli] Dray J, et al. **Ann Inst Pasteur (Paris)** 123:853-7, Dec 72 (Eng. Abstr.) (Fre)

[Cerebrovascular accident during treatment with gonadotropins] Humbert G, et al. **Nouv Presse Med** 2:28-30, 6 Jan 73 (Fre)

[Quantitative urinary excretion of estrogen following administration of estriol in different dosage forms to ovarectomized women] Ohlenroth G, et al. **Geburtshilfe Frauenheilkd** 32:840-6, Oct 72 (Eng. Abstr.) (Ger)

[Rapid determination of total estrogens in pregnancy] Schirazi MA, et al. **Geburtshilfe Frauenheilkd** 32:1027-30, Dec 72 (Eng. Abstr.) (Ger)

[Ovulation induction using gonadotropins] Bettendorf G, et al. **Zentralbl Gynaekol** 94:1687-96, 9 Dec 72 (Ger)

[Incomplete testicular feminization] Csaba I, et al. **Orv Hetil** 114:503-5, 4 Mar 73 (Hun)

[Endocrinological environment at the time of implantation] Iizuka R, et al. **Clin Endocrinol (Tokyo)** 20:687-92, Sep 72 (20 ref.) (Jap)

[Urinary estrogens. 1. Urinary estrogens of women with normal menstrual cycles analysed by anion exchange column chromatography and gas chromatography and identified by gas chromatography and mass spectrometry] Takano T, et al. **Folia Endocrinol Jap** 49:32-47, 20 Jan 73 (Eng. Abstr.) (Jap)

[Secondary amenorrhea in girls in the light of some hormonal studies] Komorowska A, et al. **Ginekol Pol** 44:155-60, Feb 73 (Eng. Abstr.) (Pol)

[Functional state of the neuroendocrine and sympathicoadrenal systems during labor] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 48:36-9, Nov 72 (Eng. Abstr.) (Rus)

[Effect of hypodynamia on the excretion of estrogens by healthy males] Shurygin DIa, et al. **Voen Med Zh** 11:64-5, Nov 72 (Rus)

[Functional state of some endocrine glands in spinal and endocrine impotence in various age groups] Spasokukots'kiĭ IuO, et al. **Fiziol Zh** 19:69-73, 1973 (Eng. Abstr.) (Ukr)

ESTRONE

Isolation and characterization of 17 -hydroxy steroid dehydrogenase from human erythrocytes. Mulder E, et al. **Biochem J** 127:649-59, May 72

Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. **Contraception** 6:411-21, Nov 72

A simple chemical method for the synthesis of catechol estrogens. Gelhke HP, et al. **Steroids** 21:205-18, Feb 73

ADMINISTRATION & DOSAGE

Effect of estrogen on vaginal blood flow in ewes. Ahrams RM, et al. **Am J Obstet Gynecol** 113:681-5, 1 Jul 72

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril** 23:745-50, Oct 72

Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment. Lee AE. **J Endocrinol** 55:507-13, Dec 72

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. **Jap J Physiol** 22:505-16, Oct 72

ANALYSIS

Amniotic and allantoic fluid levels of oestrogens at different stages of development in the goat. Lyngset O, et al. **Acta Vet Scand 13:269-71, 1972**

Steroidglucuronyltransferases. 3. Oestradiol-17 3-glucuronyltransferase of the mitochondria of pig intestine. Schumacher R, et al. **Hoppe Seylers Z Physiol Chem 353:1784-8, Nov 72**

A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al. **Steroids 20:761-71, Dec 72**

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids 21:233-44, Feb 73**

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al. **Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)**

[Estrogen levels in seminal plasma. Comparison with the spermogram] Tea NT, et al. **Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Eng. Abstr.) (Fre)**

[Studies on metabolism of steroid hormones in vertebrates. X. Metabolism of (4- 14C)estrone in liver slices of normal and of sex-converted African water frogs (Xenopus laevis)] Breuer J, et al. **Hoppe Seylers Z Physiol Chem 353:1915-21, Dec 72 (Eng. Abstr.) (Ger)**

ANTAGONISTS & INHIBITORS

Effect of antiestrogens on uterine estradiol receptors. Rochefort H, et al. **Gynecol Invest 3:43-62, 1972**

BIOSYNTHESIS

Estrogen formation in the brain. Ryan KJ, et al. **Am J Obstet Gynecol 114:454-60, 15 Oct 72**

Influence of the fornix section on the biosynthesis of ovarian steroids in the rabbit. Kawakami M, et al. **Endocrinol Jap 19:429-33, Oct 72**

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al. **Gen Comp Endocrinol 19:509-14, Dec 72**

Source of estrogen production in postmenopausal women. Grodin JM, et al. **J Clin Endocrinol Metab 36:207-14, Feb 73**

BLOOD

Peripheral plasma levels of oestrogens and progesterone during late bovine pregnancy. Edqvist LE, et al. **Acta Endocrinol (Kbh) 72:81-8, Jan 73**

Oestrogen metabolism in cultured human breast tumours. Wilcox PA, et al. **Br J Cancer 26:453-60, Dec 72**

Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma. Powell JE, et al. **Clin Chem 19:210-5, Feb 73**

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. **J Anim Sci 36:391-6, Feb 73**

Source of estrogen production in postmenopausal women. Grodin JM, et al. **J Clin Endocrinol Metab 36:207-14, Feb 73**

Episodic secretion of luteinizing hormone (LH) in adolescent patients with the syndrome of gonadal dysgenesis. Kelch RP, et al. **J Clin Endocrinol Metab 36:424-7, Mar 73**

Steroid plasma levels about oestrus in the beef cow. Blockey MA, et al. **J Reprod Fertil 32:342-3, Feb 73**

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al. **J Reprod Fertil 32:334-5, Feb 73**

Oestrogens in the peripheral plasma of the cow about the time of parturition. Drinan JP, et al. **J Reprod Fertil 32:335-6, Feb 73**

Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al. **J Reprod Med 9:287-91, Dec 72**

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN. **Neurosci Behav Physiol 5:195-9, Jul-Sep 72**

Effect of photoperiodicity on the circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo). Bajpayee DP, et al. **Poult Sci 51:1157-65, Jul 72**

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. **Steroids 20:651-67, Dec 72**

CHEMICAL SYNTHESIS

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. **Steroids 20:651-67, Dec 72**

METABOLISM

Inhibition studies on the aromatization of androst-4-ene-3,17-dione by human placental microsomal preparations. Chakraborty J, et al. **Biochem J 130:19P-20P, Nov 72**

Oestrogen metabolism in cultured human breast tumours. Wilcox PA, et al. **Br J Cancer 26:453-60, Dec 72**

Studies on steroid conjugates. X. Significance of conjugation involved in biosynthesis of 2-methoxyestrogen. Nambara T, et al. **Chem Pharm Bull (Tokyo) 20:2235-9, Oct 72**

Rabbit testosterone-binding-globulin. I. Physico-chemical properties. Mahoudeau JA, et al. **Endocrinology 92:1113-9, Apr 73**

Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment. Bollengier WE, et al. **J Natl Cancer Inst 49:847-52, Sep 72**

Steroid hormone-binding in sheep pregnancy myometrium. Rossier G, et al. **J Reprod Fertil 31:502-3, Dec 72**

A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. **Steroids 20:597-608, Nov 72**

[Autoradiographic localization of estrogen uterine receptors by means of affinity cell labelling] Uriel J, et al. **C R Acad Sci [D] (Paris) 275:2715-6, 6 Dec 72 (Fre)**

[Studies on metabolism of steroid hormones in vertebrates. X. Metabolism of (4- 14C)estrone in liver slices of normal and of sex-converted African water frogs (Xenopus laevis)] Breuer J, et al. **Hoppe Seylers Z Physiol Chem 353:1915-21, Dec 72 (Eng. Abstr.) (Ger)**

PHARMACODYNAMICS

Effect of estrogen on vaginal blood flow in ewes. Abrams RM, et al. **Am J Obstet Gynecol 113:681-5, 1 Jul 72**

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. **Am J Obstet Gynecol 113:678-80, 1 Jul 72**

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. **Cancer Res 33:220-5, Feb 73**

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril 23:745-50, Oct 72**

Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment. Lee AE. **J Endocrinol 55:507-13, Dec 72**

Effect of diets devoid of one essential amino acid on pregnancy in rats maintained by ovarian steroids. Niiyama Y, et al. **J Nutr 103:207-12, Feb 73**

Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al. **J Pharmacol Exp Ther 184:285-90, Jan 73**

Inhibition of glucose-6-phosphate dehydrogenase by steroids. Benes P, et al. **J Steroid Biochem 3:799-801, Sep 72**

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. **Jap J Physiol 22:505-16, Oct 72**

[Mechanism of regression of Müllerian ducts induced with estrogens in the chick embryo] Maraud R, et al. **C R Soc Biol (Paris) 166:862-4, 1972 (Fre)**

[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland]

Domány Z, et al.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)
[The effect of sexual steroids on hexobarbital anesthesia] Kulcsár A, et al.
Acta Pharm Hung 43:14-7, Jan 73 (Eng. Abstr.) (Hun)

PHYSIOLOGY

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al.
Jap J Physiol 22:505-16, Oct 72

THERAPEUTIC USE

Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. Carroll FI, et al.
J Med Chem 15:1158-61, Nov 72
Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al.
Jap J Physiol 22:505-16, Oct 72

URINE

Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Froland A, et al.
Acta Endocrinol (Khh) 72:182-90, Jan 73
Urinary oestrogen excretion in the goat during the oestrous cycle and after administration of pregnant mare serum gonadotropin (PMSG). Lyngset O, et al.
Acta Vet Scand 13:272-4, 1972
Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73
A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73
Source of estrogen production in postmenopausal women. Grodin JM, et al.
J Clin Endocrinol Metab 36:207-14, Feb 73
[Urinary estrogens. 1. Urinary estrogens of women with normal menstrual cycles analysed by anion exchange column chromatography and gas chromatography and identified by gas chromatography and mass spectrometry] Takano T, et al.
Folia Endocrinol Jap 49:32-47, 20 Jan 73 (Eng. Abstr.) (Jap)

ETHINYL ESTRADIOL

[Principles of hormonal contraception] Hammerstein J. Arch Dermatol Forsch 244:478-90, 1972 (Ger)

ADMINISTRATION & DOSAGE

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72
[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 (Ger)

ADVERSE EFFECTS

:The effects of vitamin B6 on carbohydrate metabolism in women taking steroid contraceptives: preliminary report. Spellacy WN, et al.
Contraception 6:265-73, Oct 72
The effects of estrogens, progestogen, oral contraceptives, and intrauterine devices on fasting triglyceride and insulin levels. Spellacy WN, et al.
Fertil Steril 24:178-84, Mar 73
Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
Risks and benefits of the use of hormonal pregnancy test tablets. Gal I. Nature (Lond) 240:241-2, 24 Nov 72
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
[Antiandrogens in female androgenetic alopecia] Winkler K. Hautarzt 23:518-9, Nov 72 (Ger)

ANALYSIS

The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

METABOLISM

The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

PHARMACODYNAMICS

Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses. Heys RF, et al.
Acta Endocrinol (Khh) 72:156-60, Jan 73
A metabolic balance study of the effects of an oral steroid contraceptive on weight and body composition. Kudzma DJ, et al.
Contraception 5:31-7, Jan 72
Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al.
Contraception 5:177-85, Mar 72
The effect of an oral contraceptive on serum lipids. Osman MM, et al. Contraception 5:105-18, Feb 72
Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al.
Fertil Steril 24:31-43, Jan 73
A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al.
J Clin Endocrinol Metab 36:706-14, Apr 73
Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytriphetol, U-11,100A and U-11,555A. Barbosa J, et al.
J Clin Endocrinol Metab 36:666-78, Apr 73
Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al.
J Clin Endocrinol Metab 36:600-4, Mar 73
Effects of oral contraceptives on the renin-angiotensin system and on blood pressure of normal young women. Beckerboff R, et al.
Johns Hopkins Med J 132:80-7, Feb 73
Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972
Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73
Cold-induced diuresis. A study with special reference to electrolyte excretion, osmolal balance and hormonal changes. Lennquist S.
Scand J Urol Nephrol 9:Suppl 9:1-142, 1972
[Growth of hair during a combined antiandrogen and estrogen therapy in female test persons] Laur S.
Arch Dermatol Forsch 244:515-23, 1972 (Ger)
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
[Serum levels of copper, iron, magnesium, calcium and zinc in women with a normal menstrual cycle, under treatment with oral hormonal contraceptives and in pregnancy] Häbn N, et al.
Arch Gynaekol 213:176-86, 1972 (Eng. Abstr.) (Ger)
[Inhibitors of ovulation as inhibitors of proliferation] Kaiser R.
Geburtshilfe Frauenheilkd 33:23-7, Jan 73 (Eng. Abstr.) (Ger)
[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al.
Ginekol Pol 43:1429-34, 1972 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73

Effect of oestrogen therapy on plasma and urinary levels of uric acid. Nicholls A, et al.
Br Med J 1:449-51, 24 Feb 73

[Growth of hair during a combined antiandrogen and estrogen therapy in female test persons] Laur S.
Arch Dermatol Forsch 244:515-23, 1972 **(Ger)**

[Antiandrogens in female androgenetic alopecia] Winkler K. Hautarzt 23:518-9, Nov 72 **(Ger)**

[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al.
Ginekol Pol 43:1429-34, 1972 (Eng. Abstr.) **(Pol)**

URINE

The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

ETHISTERONE

ADVERSE EFFECTS

Risks and benefits of the use of hormonal pregnancy test tablets. Gal I. **Nature (Lond)** 240:241-2, 24 Nov 72

ETHYLESTRENOL

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

SECRETION

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. Aerosp Med 44:190-3, Feb 73

THERAPEUTIC USE

[Hyperfibrinogemia following activator therapy] Zawilska K, et al.
Acta Haematol Pol 3:53-8, Jan-Mar 72 (Eng. Abstr.) **(Pol)**

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 **(Ger)**

ADVERSE EFFECTS

:The effects of vitamin B6 on carbohydrate metabolism in women taking steroid contraceptives: preliminary report. Spellacy WN, et al.
Contraception 6:265-73, Oct 72

The effects of estrogens, progestogen, oral contraceptives, and intrauterine devices on fasting triglyceride and insulin levels. Spellacy WN, et al.
Fertil Steril 24:178-84, Mar 73

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)

[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 **(Ger)**

PHARMACODYNAMICS

Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 114:484-91, 15 Oct 72

The effects of some progestational steroids on pubertal ovulation in the rat. Boris A, et al.
Contraception 5:57-64, Jan 72

Diminution in humoral antibodies to tetanus toxoid after Ovulen therapy in mice. Rangnekar KN, et al.
Contraception 5:53-6, Jan 72

Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al.
Fertil Steril 24:31-43, Jan 73

[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 **(Ger)**

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al.
J Natl Cancer Inst 49:813-9, Sep 72

FERTILITY AGENTS

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R.
Contraception 5:1-19, Jan 72

Pounds, rabbits and sense. Murgatroyd AE.
Vet Rec 91:596-8, 9 Dec 72

ANALYSIS

[Clinical chemical analysis of 3-methoxy-17-epiestriol] Falkay G, et al.
Acta Pharm Hung 43:1-8, Jan 73 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) **(Fre)**

FLUOXYMESTERONE

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al.
Acta Endocrinol (Kbh) 72:604-14, Mar 73

THERAPEUTIC USE

Hypoplastic anemia, Friedreich's ataxia and chromosomal breakage: case report and review of similar disorders. Samad FU, et al.
South Med J 66:135-40, Jan 73

[Effect of fluoxymesterone (Halotestin) on progressive breast cancer] Yoshida Y, et al.
Clin Endocrinol (Tokyo) 20:655-66, Aug 72 **(Jap)**

HEXESTROL

[Morphogenesis of experimental uterine myomas] Zhuravleva TB, et al.
Arkh Patol 35:38-44, 1973 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Autopsy case of phospholipid hepatocirrhosis caused by 4-4'dimethyl-ethoxy hexesterol dihydrochloride] Fujikawa Y, et al.
Jap J Clin Med 30:2643-6, Dec 72 **(Jap)**

METABOLISM

Hexoestrol analogues as probes of oestrogen receptors. I. Importance of hydrogen-bonding groups for receptor binding. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:441-8, 1972

Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972

PHARMACODYNAMICS

Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972

HYDROXYPREGNENOLONE

BIOSYNTHESIS

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73

METABOLISM

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. **J Endocrinol** 55:499-506, Dec 72

HYDROXYPROGESTERONE

Stilbestrol-augmented disseminated intravascular coagulation in rats after infusion of endotoxin. Theiss W, et al. **Am J Obstet Gynecol** 115:775-82, 15 Mar 73

The effect of metyrapone on the 17,20-lyase from rat testis microsomes. Betz G, et al.
Biochem Biophys Res Commun 50:134-9, 4 Jan 73

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al.
Steroids 20:609-20, Nov 72

ADMINISTRATION & DOSAGE

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED.
Acta Obstet Gynecol Scand 52:37-40, 1973

ADVERSE EFFECTS

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)

ANALYSIS

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids** 21:233-44, Feb 73

BIOSYNTHESIS

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73

BLOOD

Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma. Powell JE, et al. **Clin Chem** 19:210-5, Feb 73

Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al.
J Clin Endocrinol Metab 36:730-3, Apr 73

Progestins and progestin metabolites in ovine fetal blood. Seamark RF, et al.
J Reprod Fertil 32:329-30, Feb 73

Radioimmunoassay of 17-hydroxyprogesterone. Youssefnejadian E, et al. **Steroids** 20:773-88, Dec 72

CHEMICAL SYNTHESIS

A simple progesterone radioimmunoassay without column chromatography. Kutas M, et al.
Steroids 20:697-716, Dec 72

Radioimmunoassay of 17-hydroxyprogesterone. Youssefnejadian E, et al. **Steroids** 20:773-88, Dec 72

METABOLISM

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. **J Endocrinol** 55:499-506, Dec 72

PHARMACODYNAMICS

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED.
Acta Obstet Gynecol Scand 52:37-40, 1973

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al.
Am J Obstet Gynecol 113:678-80, 1 Jul 72

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest** 3:30-42, 1972

Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al.
Physiol Behav 9:773-5, Nov-Dec 72

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al.
Proc Soc Exp Biol Med 142:656-9, Feb 73

The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A.
Prostaglandins 2:417-25, Nov 72

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:960-4, 1972 **(Fre)**

PHYSIOLOGY

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) **(Fre)**

SECRETION

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Idiopathic tarsitis in postparturient dairy cows: clinicopathologic findings and treatment. Van Pelt RW. **J Am Vet Med Assoc** 162:284-90, 15 Feb 73

[Hormone therapy of threatened abortion during the early stages of pregnancy] Trepechov S, et al.
Akush Ginekol (Sofiia) 11:152-60, 1972 **(Bul)**

LYNESTRENOL

ADMINISTRATION & DOSAGE

A modified sequential contraceptive. Rice-Wray E, et al. **Contraception** 5:457-72, Jun 72

[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerzti Fortbild (Jena) 66:1021-5, 15 Oct 72 **(Ger)**

ADVERSE EFFECTS

A modified sequential contraceptive. Rice-Wray E, et al. **Contraception** 5:457-72, Jun 72

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)

[Oral contraceptives and acne vulgaris] Winkler K.
Arch Dermatol Forsch 244:503-7, 1972 **(Ger)**

[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 **(Ger)**

[A case of jaundice due to oral contraceptives] Dal Monte PR, et al.
G Clin Med 53:111-20, Mar 72 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

A modified sequential contraceptive. Rice-Wray E, et al. **Contraception** 5:457-72, Jun 72

Oestrogen uptake by the central nervous system. Rosner JM, et al. Gynecol Invest 3:30-42, 1972
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
[Serum levels of copper, iron, magnesium, calcium and zinc in women with a normal menstrual cycle, under treatment with oral hormonal contraceptives and in pregnancy] Hähn N, et al.
Arch Gynaekol 213:176-86, 1972 (Eng. Abstr.) (Ger)
[Activity levels of lysosomal enzymes in human serum following application of hormonal contraceptives] Platt D, et al.
Klin Wochenschr 51:91-2, 15 Jan 73 (Eng. Abstr.) (Ger)
[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al.
Ginekol Pol 43:1429-34, 1972 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

[Current therapeutic data concerning mastodynia and benign mastopathies] Mauvais-Jarvis P.
Therapeutique 48:575-8, Nov 72 (Fre)
[Excretion of some adrenal steroids in the course of gestagen therapy] Sieroszewski J, et al.
Ginekol Pol 43:1429-34, 1972 (Eng. Abstr.) (Pol)

MEDROXYPROGESTERONE

Contraceptive use--efficacy study utilizing Depo-Provera administered as an injection once every six months. Schwallie PC, et al.
Contraception 6:315-27, Oct 72

ADMINISTRATION & DOSAGE

Steroid contraceptives and plasma carotenoids. Briggs M, et al. Contraception 6:275-80, Oct 72
Contraceptive use--efficacy study utilizing Depo-Provera administered as an injection once every six months. Schwallie PC, et al.
Contraception 6:315-27, Oct 72
[Medroxprogestrone acetate as a contraceptive] Hornemann B, et al.
Ugeskr Laeger 135:289-94, 5 Feb 73 (Eng. Abstr.) (Dan)
[Medroxyprogesterone acetate administered intramuscularly every third month as a contraceptive. An investigation of the efficacy, side effects and acceptability] Marker IL.
Ugeskr Laeger 135:294-7, 5 Feb 73 (Eng. Abstr.) (Dan)

ADVERSE EFFECTS

Contraceptive use--efficacy study utilizing Depo-Provera administered as an injection once every six months. Schwallie PC, et al.
Contraception 6:315-27, Oct 72
Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
Potential environmental chemical hazards. II. Feed additives and pesticides. Fishbein L, et al.
Sci Total Environ 1:31-64, May 72 (126 ref.)
[Medroxprogestrone acetate as a contraceptive] Hornemann B, et al.
Ugeskr Laeger 135:289-94, 5 Feb 73 (Eng. Abstr.) (Dan)
[Medroxyprogesterone acetate administered intramuscularly every third month as a contraceptive. An investigation of the efficacy, side effects and acceptability] Marker IL.
Ugeskr Laeger 135:294-7, 5 Feb 73 (Eng. Abstr.) (Dan)

PHARMACODYNAMICS

Steroid contraceptives and plasma carotenoids. Briggs M, et al. Contraception 6:275-80, Oct 72
Contraceptive use--efficacy study utilizing Depo-Provera administered as an injection once every six months. Schwallie PC, et al.
Contraception 6:315-27, Oct 72
Direct action of synthetic progestins on the hypophysis. Baker BL, et al.
Endocrinology 92:965-72, Apr 73
Oestrogen uptake by the central nervous system. Rosner JM, et al. Gynecol Invest 3:30-42, 1972
Kinetics of [3H]-testosterone metabolism in normal young men: effects of medroxyprogesterone acetate (provera) administration. Clark AF, et al.
J Steroid Biochem 3:837-42, Sep 72
Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73

THERAPEUTIC USE

Estrogen treatment of tall girls. Schoen EJ, et al.
Am J Dis Child 125:71-4, Jan 73
Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73
Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease. Wallach HW, et al. Med Ann DC 42:17-22, Jan 73
[Hormonal treatment of renal cell carcinoma] Satomi Y, et al.
Jap J Urol 63:939-50, Nov 72 (Eng. Abstr.) (Jap)

MEGESTROL

ADMINISTRATION & DOSAGE

Further studies on long-term contraception by subcutaneous silastic R capsules containing megestrol acetate. Coutinho EM, et al.
Contraception 5:389-93, May 72

PHARMACODYNAMICS

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72
Further studies on long-term contraception by subcutaneous silastic R capsules containing megestrol acetate. Coutinho EM, et al.
Contraception 5:389-93, May 72
Ultrastructural changes found in the endometrium of women using megestrol acetate for contraception. Feria-Velasco A, et al. Contraception 5:187-201, Mar 72
Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al.
Fertil Steril 24:31-43, Jan 73
Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73
[The effect of nibufin on reproductive function and the contraceptive effect of hormonal preparations] Poskalenko AN, et al.
Farmakol Toksikol 35:638-40, Sep-Oct 72 (Rus)

MESTRANOL

Infiltrating duct carcinoma of the mammary gland of a rhesus monkey after administration of an oral contraceptive: a preliminary report. Kirschstein RL, et al. J Natl Cancer Inst 48:551-6, Feb 72

ADMINISTRATION & DOSAGE

The effect of an oestrogenic steroid on the secondary immune response under different hormonal enviro.-ments. Thanavala YM, et al.
Acta Endocrinol (Kbh) 72:582-6, Mar 73
The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxybutyrate and triglycerides. Lunell NO, et al.
Acta Obstet Gynecol Scand 52:23-4, 1973
A modified sequential contraceptive. Rice-Wray E, et al. Contraception 5:457-72, Jun 72
A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72
[Results of oral administration of the contraceptive Metrulen in 12 women during a period of 6 months] Prancbev N.
Akush Ginekol (Sofiia) 11:357-8, 1972 (Bul)
[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 (Ger)
[Endometrium during administration of sequence-ovosiston (report on 3 variants of

sequential therapy)] Böhm W, et al.
Zentralbl Gynaekol 94:1816-20, 30 Dec 72 (Ger)
[Sequenz-Ovosiston as a contraceptive agent] Zwahr C.
Zentralbl Gynaekol 94:1722-5, 9 Dec 72 (Ger)

ADVERSE EFFECTS

Small intestinal disease, folate deficiency anemia, and oral contraceptive agents. Johnson GK, et al.
Am J Dig Dis 18:185-90, Mar 73
A modified sequential contraceptive. Rice-Wray E, et al. Contraception 5:457-72, Jun 72
:The effects of vitamin B6 on carhohydrate metaholism in women taking steroid contraceptives: preliminary report. Spellacy WN, et al.
Contraception 6:265-73, Oct 72
The effects of estrogens, progestogen, oral contraceptives, and intrauterine devices on fasting triglyceride and insulin levels. Spellacy WN, et al.
Fertil Steril 24:178-84, Mar 73
Steroid contraception and its effects on lactation are a puhlic health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)
Oral contraceptives and thromhoemholism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
Myocardial infarction and oral contraceptives. Wardekar AS, et al. Sonth Med J 66:382-4, Mar 73
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
[Coronary infarction associated with ovulation inhihitors] Dejaco RM, et al.
Wien Med Wochenschr 122:630-2, 21 Nov 72 (Ger)
[Steroid contraceptives and sarcoidosis] Scharkoff T, et al. Z Erkr Atmungsorgane 137:61-73, 1972 (Ger)
[Sequenz-Ovosiston as a contraceptive agent] Zwahr C.
Zentralbl Gynaekol 94:1722-5, 9 Dec 72 (Ger)
[A case of jaundice due to oral contraceptives] Dal Monte PR, et al.
G Clin Med 53:111-20, Mar 72 (Eng. Abstr.) (Ita)
[Lipid metaholism in women ingesting gestagens as contraceptives] Pisarek-Mledzińska D, et al.
Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)

ANALYSIS

The accumulation of mestranol and ethynyloestradiol metabolites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

METABOLISM

The accumulation of mestranol and ethynyloestradiol metaholites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

PHARMACODYNAMICS

The effect of an oestrogenic steroid on the secondary immune response under different hormonal environments. Thanavala YM, et al.
Acta Endocrinol (Kbh) 72:582-6, Mar 73
The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72
The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxyhutyrate and triglycerides. Luneli NO, et al.
Acta Obstet Gynecol Scand 52:23-4, 1973
Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus. Singh EJ, et al.
Am J Obstet Gynecol 114:484-91, 15 Oct 72
Ovarian morphologyy after prolonged use of sterold contraceptive agents. Maqueo M, et al.
Contraception 5:177-85, Mar 72
Diminution in humoral antibodies to tetanus toxoid after Ovulen therapy in mice. Rangnekar KN, et al.
Contraception 5:53-6, Jan 72
A modified sequential contraceptive. Rice-Wray E, et al. Contraception 5:457-72, Jun 72
Morphologic alterations in the human oviduct epithelium induced hy contraceptive steroids. Fredricsson B, et al. Fertil Steril 24:19-30, Jan 73
Scanning electron microscopic study of the human faliopian tuhe. 3. The effect of midpregnancy and of various steroids. Patek E, et al.
Fertil Steril 24:31-43, Jan 73
A model for the evaluation of estrogens: withdrawal hleeding in ovariectomized rhesus monkeys. Schane HP, et al. Fertil Steril 23:745-50, Oct 72
Effects of oral contraceptives on the renin-angiotensin system and on blood pressure of normal young women. Beckerhoff R, et al.
Johns Hopkins Med J 132:80-7, Feh 73
Plasma proteins after use of estrogen and-or progestogen in women with and without recurrent cholestasis during previous pregnancies. Jeppsson S, et al. Scand J Clin Lab Invest 31:33-6, Jan 73
Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Lindholm J, et al.
Scand J Clin Lab Invest 31:119-22, Jan 73
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
[Inhibitors of ovulation as inhihitors of proliferation] Kaiser R.
Gebnrtshilfe Frauenheilkd 33:23-7, Jan 73 (Eng. Abstr.) (Ger)
[Endometrium during administration of sequence-ovosiston (report on 3 variants of sequential therapy)] Böhm W, et al.
Zentralbl Gynaekol 94:1816-20, 30 Dec 72 (Ger)
[Blood catalase activity during treatment with a contraceptive agent] Heller H, et al.
Zentralbl Gynaekol 94:1712-21, 9 Dec 72 (Ger)
[Comparative studies on endometrial behavior under the effect of various contraceptives] Müller R, et al.
Zentralbl Gynaekol 94:1821-9, 30 Dec 72 (Ger)
[Lipid metaholism in women ingesting gestagens as contraceptives] Pisarek-Mledzińska D, et al.
Ginekol Pol 43:1407-19, 1972 (Eng. Abstr.) (Pol)
[Lactation inhihition with chlormadinone and mestranol] Pilawski Z, et al.
Wiad Lek 26:203-7, 1 Feh 73 (Pol)

THERAPEUTIC USE

Influences of gestagen upon carcinoma in situ of the cervix (a histologic study). Yokoyama Y.
Acta Obstet Gynaecol Jap 19:33-9, Jan 72
Plasma zinc in pre- and post-menopausal women: its relationship to oestrogen therapy. Aitken JM, et al.
Clin Sci 44:91-4, Jan 73
[Coronary infarction associated with ovulation inhihitors] Dejaco RM, et al.
Wien Med Wochenschr 122:630-2, 21 Nov 72 (Ger)

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al.
J Natl Cancer Inst 49:813-9, Sep 72

URINE

The accumulation of mestranol and ethynyloestradiol metaholites in the organism. Bolt HM, et al.
Xenobiotica 2:489-98, Sep 72

METHANDROSTENOLONE

ANALYSIS

[Determination of methandrostenolone (androst-1,4-dien-3-on-17 beta-ol-17 alpha-methyl 3: dianobol) in liver and kidney extracts] Adigamov LF.
Probl Endokrinol (Mosk) 18:99-102, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

THERAPEUTIC USE

The effect of anaholic hormones on the growth of undersized hoys. Greene R, et al.
Br J Clin Pract 27:3-7, Jan 73
[Anaholic hormones in the therapy of patients with alopecia sehorrheica] Skripkin IuK, et al.
Vestn Dermatol Venerol 46:59-61, Sep 72 (Rus)
[Use of Nerohol in stomach and duodenal ulcers] Chernov AP. Voen Med Zh 4:68-70, Apr 72 (Rus)

METHENOLONE

ADMINISTRATION & DOSAGE

[Treatment of anemia associated with chronic renal failure. I. Effects of the large dose of androgen on long term hemodialyzed patients] Ono Y, et al.
Jap J Clin Hematol 14:58-66, Jan 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

[Treatment of anemia associated with chronic renal failure. I. Effects of the large dose of androgen on long term hemodialyzed patients] Ono Y, et al.
Jap J Clin Hematol 14:58-66, Jan 73 (Eng. Abstr.) (Jap)

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al.
Biochem Pharmacol 22:293-310, 1 Feb 73

Spectropbotofluorometric determination of metbyltestosterone in plasma or serum. Alkalay D, et al. J Pharm Sci 61:1746-9, Nov 72

ADVERSE EFFECTS

Androgens and hepatocellular carcinoma. Ziegenfuss J, et al. Lancet 1:262, 3 Feb 73

BLOOD

Spectrophotofluorometric determination of methyltestosterone in plasma or serum. Alkalay D, et al. J Pharm Sci 61:1746-9, Nov 72

PHARMACODYNAMICS

Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats. Hamrick ME, et al.
Biochem Pharmacol 22:293-310, 1 Feb 73

Lipid synthesis in rat skin. Prottey C, et al.
Br J Dermatol 87:586-607, Dec 72

[Effect of sterolic androgens on Müllerian ducts of chick embryos] Stoll R, et al.
C R Soc Biol (Paris) 166:858-61, 1972 (Fre)

THERAPEUTIC USE

The effect of anabolic hormones on the growtb of undersized boys. Greene R, et al.
Br J Clin Pract 27:3-7, Jan 73

NANDROLONE

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

[Effect of retabolil on the blood coagulation system] Savel'eva AV.
Farmakol Toksikol 36:62-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

STANDARDS

[German pharmacopoeia, 7tb edition. IX. Delivery]
Pharmazie 28:81-4, Feb 73 (Ger)

THERAPEUTIC USE

[Effect of anabolic steroids on protein metabolism under various protein administrations in cbronic liver disease patients] Blahníková L, et al.
Z Ernaehrungswiss [Suppl] 13:105-12, 1972 (Eng. Abstr.) (Ger)

[Realimentation in persons with denutrition by diet and anabolic steroids] Pařiková V, et al.
Z Ernaehrungswiss [Suppl] 13:99-104, 1972 (Eng. Abstr.) (Ger)

NORETHANDROLONE

ADMINISTRATION & DOSAGE

Effects of injections of a norethandrolone suspension of synchronization of estrus and conception in beef cattle. Smith LE Jr, et al. J Anim Sci 36:67-71, Jan 73

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in tbe pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

Effects of injections of a norethandrolone suspension of syncbronization of estrus and conception in beef cattle. Smitb LE Jr, et al. J Anim Sci 36:67-71, Jan 73

NORETHINDRONE

ADMINISTRATION & DOSAGE

The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxybutyrate and triglycerides. Lunell NO, et al.
Acta Obstet Gynecol Scand 52:23-4, 1973

The long-term use of injectable norethisterone enanthate as a contraceptive. el-Mahgoub S, et al.
Contraception 5:21-9, Jan 72

Postovulatory contraception in women with large doses of norethindrone. Nygren KG, et al.
Contraception 5:445-56, Jun 72

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. Fertil Steril 23:739-44, Oct 72

[Norethisterone acetate and endometriosis. Clinical study apropos of 10 cases] Anglade JP.
Therapie 27:779-82, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Clinical study of norethisterone acetate in functional metrorrhagia and in pre- and permenstrual painful syndromes] Anglade JP.
Therapie 27:773-7, Sep-Oct 72 (Eng. Abstr.) (Fre)

[The search for new ways with low dose contraceptives. II] Tóth F, et al.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 (Ger)

[Can the mini-pills be taken cyclically?]
Tidsskr Nor Laegeforen 92:2281, 30 Nov 72 (Nor)

ADVERSE EFFECTS

Small intestinal disease, folate deficiency anemia, and oral contraceptive agents. Johnson GK, et al.
Am J Dig Dis 18:185-90, Mar 73

The long-term use of injectable norethisterone enanthate as a contraceptive. el-Mahgoub S, et al.
Contraception 5:21-9, Jan 72

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)

Ovarian changes during progestogen amenorrhoea. el-Mahgoub S, et al.
J Obstet Gynaecol Br Commonw 79:841-5, Sep 72

Risks and benefits of the use of hormonal pregnancy test tablets. Gal I. Nature (Lond) 240:241-2, 24 Nov 72

Myocardial infarction and oral contraceptives. Wardekar AS, et al. South Med J 66:382-4, Mar 73

[Influence of hormonal contraceptive agents on hair growth in man] Zaun H.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)

ISOLATION & PURIFICATION

Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al.
Steroids 21:133-45, Jan 73

METABOLISM

Metabolism and distribution of norethynodrel in pregnant and nonpregnant mice. Freudenthal RI, et al. Toxicol Appl Pharmacol 24:125-32, Jan 73

PHARMACODYNAMICS

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Metabolism of glucose in the human endometrium with

special reference to fertility and contraception. Hackl H. **Acta Obstet Gynecol Scand** 52:135-40, 1973
The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D-hydroxybutyrate and triglycerides. Lunell NO, et al. **Acta Obstet Gynecol Scand** 52:23-4, 1973
Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. **Contraception** 5:177-85, Mar 72
Postovulatory contraception in women with large doses of norethindrone. Nygren KG, et al. **Contraception** 5:445-56, Jun 72
The effect of an oral contraceptive on serum lipids. Osman MM, et al. **Contraception** 5:105-18, Feb 72
Direct action of synthetic progestins on the hypophysis. Baker BL, et al. **Endocrinology** 92:965-72, Apr 73
Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72
Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al. **J Clin Endocrinol Metab** 36:706-14, Apr 73
The effects of progestogens on blood clotting and platelet function. Poller L. **J Clin Pathol** 25:1007, Nov 72
Effects of oral contraceptives on the renin-angiotensin system and on blood pressure of normal young women. Beckerhoff R, et al. **Johns Hopkins Med J** 132:80-7, Feb 73
Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al. **Steroids** 21:133-45, Jan 73
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. **Arch Dermatol Forsch** 244:510-5, 1972 (Ger)
[Inhibitors of ovulation as inhibitors of proliferation] Kaiser R. **Geburtshilfe Frauenheilkd** 33:23-7, Jan 73 (Eng. Abstr.) (Ger)
[Comparative studies on endometrial behavior under the effect of various contraceptives] Müller R, et al. **Zentralbl Gynaekol** 94:1821-9, 30 Dec 72 (Ger)

THERAPEUTIC USE

Influences of gestagen upon carcinoma in situ of the cervix (a histologic study). Yokoyama Y. **Acta Obstet Gynaecol Jap** 19:33-9, Jan 72
[Clinical study of norethisterone acetate in functional metrorrhagia and in pre- and permenstrual painful syndromes] Anglade JP. **Therapie** 27:773-7, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Norethisterone acetate and endometriosis. Clinical study apropos of 10 cases] Anglade JP. **Therapie** 27:779-82, Sep-Oct 72 (Eng. Abstr.) (Fre)

NORETHYNODREL

Infiltrating duct carcinoma of the mammary gland of a rhesus monkey after administration of an oral contraceptive: a preliminary report. Kirschstein RL, et al. **J Natl Cancer Inst** 48:551-6, Feb 72

ADVERSE EFFECTS

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J. **Health Serv Rep** 87:611-6, Aug-Sep 72 (18 ref.)

METABOLISM

Metabolism and distribution of norethynodrel in pregnant and nonpregnant mice. Freudenthal RI, et al. **Toxicol Appl Pharmacol** 24:125-32, Jan 73

PHARMACODYNAMICS

Direct action of synthetic progestins on the hypophysis. Baker BL, et al. **Endocrinology** 92:965-72, Apr 73

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudali G, et al. **J Natl Cancer Inst** 49:813-9, Sep 72

NORGESTREL

ADMINISTRATION & DOSAGE

Clinical study of a continuous daily micro-dose progestogen contraceptive--d-norgestrel. Rice-Wray E, et al. **Contraception** 5:279-94, Apr 72
Control of fertility by monthyl injections of a mixture of norgestrel and a long-acting estrogen. A preliminary report. Souza JC de, et al. **Contraception** 5:395-9, May 72
Clinical experience with microdose D-norgestrel as an oral contraceptive. Apelo R, et al. **Fertil Steril** 24:191-7, Mar 73
Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72

ADVERSE EFFECTS

Clinical study of a continuous daily micro-dose progestogen contraceptive--d-norgestrel. Rice-Wray E, et al. **Contraception** 5:279-94, Apr 72
:The effects of vitamin B6 on carbohydrate metaholism in women taking steroid contraceptives: preliminary report. Spellacy WN, et al. **Contraception** 6:265-73, Oct 72
Clinical experience with microdose D-norgestrel as an oral contraceptive. Apelo R, et al. **Fertil Steril** 24:191-7, Mar 73
[Principles of hormonal contraception] Hammerstein J. **Arch Dermatol Forsch** 244:478-90, 1972 (Ger)
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. **Arch Dermatol Forsch** 244:510-5, 1972 (Ger)

PHARMACODYNAMICS

Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus. Singh EJ, et al. **Am J Obstet Gynecol** 114:484-91, 15 Oct 72
A metabolic balance study of the effects of an oral steroid contraceptive on weight and body composition. Kudzma DJ, et al. **Contraception** 5:31-7, Jan 72
Clinical study of a continuous daily micro-dose progestogen contraceptive--d-norgestrel. Rice-Wray E, et al. **Contraception** 5:279-94, Apr 72
Control of fertility by monthyl injections of a mixture of norgestrel and a long-acting estrogen. A preliminary report. Souza JC de, et al. **Contraception** 5:395-9, May 72
Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72
Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al. **Fertil Steril** 24:31-43, Jan 73
Oestrogen uptake hy the central nervous system. Rosner JM, et al. **Gynecol Invest** 3:30-42, 1972
Effect of norgestrel on spermatogenesis & fertility of rats. Singh JN, et al. **Indian J Exp Biol** 10:159-62, May 72
Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens. Barbosa J, et al. **J Clin Endocrinol Metab** 36:706-14, Apr 73
Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al. **Steroids** 21:133-45, Jan 73
[Influence of hormonal contraceptive agents on hair growth in man] Zaun H. **Arch Dermatol Forsch** 244:510-5, 1972 (Ger)
[Serum levels of copper, iron, magnesium, calcium and zinc in women with a normal menstrual cycle, under treatment with oral hormonal contraceptives and in pregnancy] Hähn N, et al. **Arch Gynaekol** 213:176-86, 1972 (Eng. Abstr.) (Ger)
[Inhibitors of ovulation as inhibitors of proliferation] Kaiser R. **Geburtshilfe Frauenheilkd** 33:23-7, Jan 73 (Eng. Abstr.) (Ger)

OXANDROLONE

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. Contraception 5:489-95, Jun 72

Increase of post-heparin lipase activity by oxandrolone in familial hypercbylomicronemia. Faergeman O, et al. Scand J Clin Lab Invest 31:27-31, Jan 73

THERAPEUTIC USE

Effects of oxandrolone in advanced renal insufficiency. Report of metabolic balance studies. Goldman AG, et al. NY State J Med 73:316-9, 15 Jan 73

Increase of post-heparin lipase activity by oxandrolone in familial hypercbylomicronemia. Faergeman O, et al. Scand J Clin Lab Invest 31:27-31, Jan 73

OXYMETHOLONE

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. Contraception 5:489-95, Jun 72

THERAPEUTIC USE

Bone-marrow failure: diagnosis and treatment. Gordon-Smitb EC.
Br J Haematol 23:Suppl:167-75, Sep 72

Repeated platelet transfusions from HL-A compatible unrelated and sibling donors. Thorsby E, et al. Tissue Antigens 2:397-404, 1972

PREGNANEDIOL

SECRETION

[The effect of bormonal inhibition of the ovaries on ovarian steroid secretion] Kolarov P, et al.
Akush Ginekol (Sofiia) 11:418-23, 1972 (Eng. Abstr.) (Bul)

THERAPEUTIC USE

[Metbods of clinical trial of a local corticoid] Craps L, et al.
Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Eng. Abstr.) (Fre)

URINE

The excretion of C-16 oxygenated neutral steroid sulphates and debydroepiandrosterone sulphate in normal pregnancy, and a comparison witb their excretion by endocrinologically normal subjects of botb sexes. Seth J, et al.
Acta Endocrinol (Kbh) 72:587-603, Mar 73

Estetrol in molar pregnancies quantitated by a rapid gas cbromatographic metbod in conjunction witb estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73

Clinical study of a continuous daily micro-dose progestogen contraceptive--d-norgestrel. Rice-Wray E, et al. Contraception 5:279-94, Apr 72

Cyclical ovarian function in women witb congenital absence of the uterus and vagina. Fraser IS, et al.
J Clin Endocrinol Metab 36:634-7, Apr 73

Rapid analysis of pregnanediol in pregnancy urine. Cooper W, et al. J Clin Pathol 25:933-9, Nov 72

Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia. Fliegner JR, et al.
J Obstet Gynaecol Br Commonw 79:810-5, Sep 72

Hydrolysis and decomposition of urinary pregnanediol in acid. Metcalf MG. Steroids 21:193-203, Feb 73

[Medroxprogestrone acetate as a contraceptive] Hornemann B, et al.
Ugeskr Laeger 135:289-94, 5 Feb 73 (Eng. Abstr.) (Dan)

[A case of transient gynecomasty witb hyperestrogenesis of nontumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Hydrolysis of urinary metabolites of different steroid bormones by -glucuronidase from Escherichia coli] Dray J, et al.
Ann Inst Pasteur (Paris) 123:853-7, Dec 72 (Eng. Abstr.) (Fre)

[Incomplete testicular feminization] Csaba I, et al.
Orv Hetil 114:503-5, 4 Mar 73 (Hun)

[Endocrinological environment at tbe time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Endocrine environment of pregnancy, a study of urinary bormones] Kamata S.
Clin Endocrinol (Tokyo) 20:709-14, Sep 72 (Jap)

[Functional state of tbe neuroendocrine and sympathicoadrenal systems during labor] Timoshenko LV, et al.
Akush Ginekol (Mosk) 48:36-9, Nov 72 (Eng. Abstr.) (Rus)

PREGNANES

Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Lederman Y, et al.
Anal Biochem 51:193-203, Jan 73

Laryngeal competence with ketamine and other drugs. Carson IW, et al. Anesthesiology 38:128-33, Feb 73

Structural features of ring B and tbe interaction of 20-oxosteroids witb cortisone reductase. White IH, et al. Biochim Biophys Acta 296:604-14, 8 Mar 73

Preliminary investigation of Altbesin. Cadwallader JA, et al. Br J Anaesth 44:1333, Dec 72

Cardiovascular effects of altbesin in patients witb cardiac pathology. Preliminary communication. Harrison SG, et al. Br J Anaesth 44:1205-7, Nov 72

Althesin--a new intravenous anaesthetic. Swerdlow M.
Can Anaesth Soc J 20:186-91, Mar 73

Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization. Milgrom E, et al. J Biol Chem 248:1106-14, 10 Feb 73

A study of mechanism for tbe formolysis of a 20 -tosyloxy steroid. Deshmane SS, et al.
J Org Chem 38:748-54, 23 Feb 73

[Clinical studies of a new steroid anesthetic, CT-1341 (Altbesin-Glaxo). 1] Takahashi T, et al.
Jap J Anesthesiol 21:1232-9, Nov 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

Altbesin--a new intravenous anaestbetic. Swerdlow M.
Can Anaesth Soc J 20:186-91, Mar 73

Altbesin (CT 1341)--a new intravenous anaesthetic agent. Schoonees JA, et al. S Afr Med J 47:10-4, 6 Jan 73

[Effect of vitamin A acid (VAA) on psoriasis. Topical combined tberapy using corticoids. Two new VAA preparations for oral administration] Orfanos CE, et al. Arch Dermatol Forsch 244:424-6, 1972 (Ger)

[Studies on Ultralan plaster] Heydenreicb G.
Z Haut Geschlechtskr 47:575-7, 1 Jul 72 (Ger)

ADVERSE EFFECTS

Altbesin--a new intravenous anaesthetic. Swerdlow M.
Can Anaesth Soc J 20:186-91, Mar 73

Althesin (CT 1341)--a new intravenous anaesthetic agent. Schoonees JA, et al. S Afr Med J 47:10-4, 6 Jan 73

[Effects of anaesthetics on myocardial contractility] Beer R, et al.
Munch Med Wochenschr 115:281-9, 23 Feb 73 (32 ref.) (Eng. Abstr.) (Ger)

[Effect of CT-1341, a new steroid anestbetic agent on adrenocortical function in man] Maeda A, et al.
Jap J Anestbesiol 22:59-65, Jan 73 (Eng. Abstr.) (Jap)

BIOSYNTHESIS

Influence of tbe fornix section on the biosynthesis of ovarian steroids in tbe rabbit. Kawakami M, et al.
Endocrinol Jap 19:429-33, Oct 72

CHEMICAL SYNTHESIS

Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Lederman Y, et al.
Anal Biochem 51:193-203, Jan 73

[Synthesis of norcholanic and aethianic acids] Valcavi U, et al.
Farmaco [Sci] 27:955-61, Nov 72 (Eng. Abstr.) (Ita)

METABOLISM

[Determination of the characteristics of an inductor necessary for its interaction with a repressor in Pseudomonas testosteroni] Michel-Briand Y, et al. C R Soc Biol (Paris) 166:565-72, 1972 (Fre)

PHARMACODYNAMICS

Anaesthetic, cardiovascular and respiratory effects of a new steroidal agent CT 1341: a comparison with other intravenous anaesthetic drugs in the unrestrained cat. Child KJ, et al. Br J Pharmacol 46:189-200, Oct 72

The effects of some progestational steroids on pubertal ovulation in the rat. Boris A, et al. Contraception 5:57-64, Jan 72

Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72

[CT 1341, a new anesthetic agent] Gauthier-Lafaye JP, et al. Anesth Analg (Paris) 29:519-37, Jul-Aug 72 (Fre)

[Study of the paradoxical action of estrogens on the Wolffian ducts of female rat fetuses, using an anti-androgen, cyproterone acetate] Stinnakre MG. C R Acad Sci [D] (Paris) 275:101-3, 3 Jul 72 (Fre)

[Influencing of mitosis rate in endometrial carcinomas using 17-hydroxynorprogesterone capronate in women] Kaiser R, et al. Arch Gynaekol 212:397-400, 1972 (Eng. Abstr.) (Ger)

[Effect of CT-1341, a new steroid anesthetic agent on adrenocortical function in man] Maeda A, et al. Jap J Anesthesiol 22:59-65, Jan 73 (Eng. Abstr.) (Jap)

SECRETION

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972

THERAPEUTIC USE

[Effect of vitamin A acid (VAA) on psoriasis. Topical combined therapy using corticoids. Two new VAA preparations for oral administration] Orfanos CE, et al. Arch Dermatol Forsch 244:424-6, 1972 (Ger)

[Influencing of mitosis rate in endometrial carcinomas using 17-hydroxynorprogesterone capronate in women] Kaiser R, et al. Arch Gynaekol 212:397-400, 1972 (Eng. Abstr.) (Ger)

[Studies on Ultraian plaster] Heydenreich G. Z Haut Geschlechtskr 47:575-7, 1 Jul 72 (Ger)

TOXICITY

Anaesthetic, cardiovascular and respiratory effects of a new steroidal agent CT 1341: a comparison with other intravenous anaesthetic drugs in the unrestrained cat. Child KJ, et al. Br J Pharmacol 46:189-200, Oct 72

URINE

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. Recent Prog Horm Res 28:287-351, 1972

PREGNENES

Structural features of ring B and the interaction of 20-oxosteroids with cortisone reductase. White IH, et al. Biochim Biophys Acta 296:604-14, 8 Mar 73

Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Geynet P, et al. Eur J Biochem 31:464-9, 18 Dec 72

Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes. Pelletier J, et al. J Reprod Fertil 31:496, Dec 72

Progress in human fertility control: the coital use of progestagens. Zañartu J, et al. J Reprod Fertil 32:279-81, Feb 73

Conversion of 11 ,17 ,21-trihydroxy-4-pregnene-3,20-dione-4- 14 c to 3 ,11 ,17 ,21-tetrahydroxy-5-pregnen-20-one- 14 C by reversal of the 3 -hydroxysteroid dehydrogenase-isomerase reactions. Shapiro MI. Steroids 20:669-80, Dec 72

Characterization of the products from the oxidation of progesterone with osmium tetroxide. Tait AD. Steroids 20:531-42, Nov 72

BIOSYNTHESIS

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73

BLOOD

Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Mahajan DK, et al. Steroids 20:609-20, Nov 72

CHEMICAL SYNTHESIS

Steroids and related products. XXXVII. 11-Aza steroids. II. The synthesis of 11-aza 9 -steroids. I. Rastogi RC, et al. Steroids 21:147-68, Feb 73

Characterization of the products from the oxidation of progesterone with osmium tetroxide. Tait AD. Steroids 20:531-42, Nov 72

ISOLATION & PURIFICATION

Conversion of 11 ,17 ,21-trihydroxy-4-pregnene-3,20-dione-4- 14 c to 3 ,11 ,17 ,21-tetrahydroxy-5-pregnen-20-one- 14 C by reversal of the 3 -hydroxysteroid dehydrogenase-isomerase reactions. Shapiro MI. Steroids 20:669-80, Dec 72

PHARMACODYNAMICS

Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73

PREGNENOLONE

Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. Biol Reprod 7:218-87, Oct 72

ADMINISTRATION & DOSAGE

Ultrastructural changes in the rat liver following protracted treatment with pregnenolone-16 -carbonitrile and digitoxin. Garg BD, et al. Virchows Arch [Zellpathol] 12:61-72, 1972

BIOSYNTHESIS

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al. Endocrinology 92:1200-7, Apr 73

BLOOD

Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al. Endocrinology 92:1182-91, Apr 73

METABOLISM

C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metabolism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and absence of ACTH in vitro. Ducharme JR, et al. Acta Endocrinol (Kbh) 72:63-74, Jan 73

Quantitative assessment of the principal steroids formed by human placentas perfused with labelled cholesterol in vitro. Telegdy G, et al. Acta Endocrinol (Kbh) 72:127-36, Jan 73

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al. Arch Biochem Biophys 153:188-92, Nov 72

Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al. Endocrinology 92:1182-91, Apr 73

Effect of pregnenolone-16 -carbonitrile on the hepatic

ultrastructure, glycogen content and ethylmorphine n-demethylase activity in pregnant, fetal, and newborn rats. Tuchweber B, et al. Exp Mol Pathol 17:281-95, Dec 72

In vitro steroidogenesis by testes of the chicken (Gallus domesticus). Nakamura T, et al. Gen Comp Endocrinol 19:432-40, Dec 72

Estradiol inhibition of ovine luteal progesterone synthesis in vitro. Akbar AM, et al. J Anim Sci 35:1206-9, Dec 72

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72

Biosynthesis of progesterone from endogenous steroid precursor by the guinea-pig placenta. Piziak VK, et al. J Reprod Fertil 32:283-5, Feb 73

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. Steroids 21:233-44, Feb 73

[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al. Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. Am J Obstet Gynecol 113:678-80, 1 Jul 72

Cortisol-induced changes in U.V. absorption spectra of isolated nuclei from rat liver and thymus. Chakrabarti B, et al. Biochem Biophys Res Commun 50:164-71, 4 Jan 73

Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid hormones, sterols and bile acids in rats. Einarsson K, et al. Eur J Biochem 32:197-206, 15 Jan 73

Effect of pregnenolone-16 -carbonitrile on the hepatic ultrastructure, glycogen content and ethylmorphine n-demethylase activity in pregnant, fetal, and newborn rats. Tuchweber B, et al. Exp Mol Pathol 17:281-95, Dec 72

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73

Ultrastructural changes in the rat liver following protracted treatment with pregnenolone-16 -carbonitrile and digitoxin. Garg BD, et al. Virchows Arch [Zellpathol] 12:61-72, 1972

SECRETION

The Harry G. Armstrong Lecture. Stress and aerospace medicine. Selye H. Aerosp Med 44:190-3, Feb 73

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. J Steroid Biochem 3:767-72, Sep 72

THERAPEUTIC USE

Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. Carroll FI, et al. J Med Chem 15:1158-61, Nov 72

URINE

Urinary steroid levels in newborn infants with intrauterine growth retardation. Reynolds JW, et al. J Clin Endocrinol Metab 36:576-81, Mar 73

PROGESTATIONAL HORMONES

Diffuse hair loss and oral contraceptives. Griffiths WA. Br J Dermatol 88:31-6, Jan 73

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. J Pharm Sci 62:179-200, Feb 73 (162 ref.)

Progress in human fertility control: the coital use of progestagens. Zañartu J, et al. J Reprod Fertil 32:279-81, Feb 73

ADMINISTRATION & DOSAGE

Hormonal balance of oral contraception. Heber KR. Australas Nurses J 2:17, Feb 73

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. Contraception 5:177-85, Mar 72

Oral contraceptives and thromboembolism. Med Lett Drugs Ther 14:61-2, 18 Aug 72

[Cyclofenil in gynecologic practice] Soutoul JH, et al. Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

[Principles of hormonal contraception] Hammerstein J. Arch Dermatol Forsch 244:478-90, 1972 (Ger)

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH. Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Thromboembolism and oral contraceptives. Hougie C. Am Heart J 85:538-45, Apr 73 (35 ref.)

Side effects of the pill. Huntington KM. Br Med J 1:233, 27 Jan 73

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Oral contraceptives and thromboembolism. Med Lett Drugs Ther 14:61-2, 18 Aug 72

Drugs in pregnancy. Med Lett Drugs Ther 14:94-6, 8 Dec 72

Two minutes with the oral contraceptives. Warren MP. Med Times 101:129-30 passim, Mar 73

Gender dimorphic behavior and fetal sex hormones. Money J, et al. Recent Prog Horm Res 28:735-63, 1972

[Pulmonary emboli caused by hormonal treatment. (Apropos of 2 cases)] Jan F, et al. Coeur Med Interne 11:765-9, Oct-Dec 72 (Eng. Abstr.) (Fre)

[Clinical adverse effects and biochemical changes due to ovulation inhibitors] Clavadetscher P, et al. Schweiz Med Wochenschr 103:231-7, 17 Feb 73 (Eng. Abstr.) (Ger)

BLOOD

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al. Biol Reprod 7:223-30, Oct 72

Progestins and progestin metabolites in ovine fetal blood. Seamark RF, et al. J Reprod Fertil 32:329-30, Feb 73

METABOLISM

Transport and transformation of steroids in the seminiferous tubules. Cooper TG, et al. J Reprod Fertil 31:506-7, Dec 72

[Morphology of dysfunctional endometrium] Zavadil M, et al. Sb Lek 75:33-52, Feb 73 (Eng. Abstr.) (Cze)

[Oral contraceptives and acne vulgaris] Winkler K. Arch Dermatol Forsch 244:503-7, 1972 (Ger)

PHARMACODYNAMICS

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y. Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. Am J Obstet Gynecol 113:678-80, 1 Jul 72

The effects of some progestational steroids on pubertal ovulation in the rat. Boris A, et al. Contraception 5:57-64, Jan 72

Ovarian morphologyy after prolonged use of steroid contraceptive agents. Maqueo M, et al. Contraception 5:177-85, Mar 72

Morphologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. Fertil Steril 23:739-44, Oct 72

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. Fertil Steril 24:185-90, Mar 73

Oestrogen uptake by the central nervous system. Rosner JM, et al. Gynecol Invest 3:30-42, 1972

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. J Dairy Sci 56:261-3, Feb 73

Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes. Pelletier J, et al. J Reprod Fertil 31:496, Dec 72

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

[Early effects of a progestative treatment on the electric activity and contractility of the myometrium after bilateral ovariectomy in pregnant rats] Lafaye
A. J Physiol (Paris) 65:Suppl:252A, Oct 72 **(Fre)**

[Oral contraceptives and acne vulgaris] Winkler K.
Arch Dermatol Forsch 244:503-7, 1972 **(Ger)**

[Effect of vasopressin on the non-pregnant human uterus in situ] Fröhlich H.
Wien Klin Wochenschr 84:828-31, 22 Dec 72 **(Eng. Abstr.)** **(Ger)**

PHYSIOLOGY

[Constitutionally dependent effects of ovarian steroids on athletic efficiency] Martius G.
Munch Med Wochenschr 115:169-73, 9 Feb 73 **(Eng. Abstr.)** **(Ger)**

SECRETION

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al.
Biol Reprod 7:223-30, Oct 72

THERAPEUTIC USE

Prenatal androgenization of females. A review. Walker PA, et al. **Hormones** 3:119-28, 1972 (20 ref.)

The kinetics of the human pituitary-gonadal system during steroid treatment. Nishikawa Y.
Kobe J Med Sci 18:109-31, Jun 72

[Treatment of endometriosis with synthetic progestagens] Iarukov L, et al.
Akush Ginekol (Sofiia) 11:221-32, 1972 (Eng. Abstr.) **(Bul)**

[Practical method for the treatment of metastases from breast neoplasms] Baillet F, et al.
J Radiol Electrol Med Nucl 53:905, Dec 72 **(Fre)**

[Current therapeutic data concerning mastodynia and benign mastopathies] Mauvais-Jarvis P.
Therapeutique 48:575-8, Nov 72 **(Fre)**

[Endometrial carcinoma] Scholtes G.
Med Klin 68:84-90, 19 Jan 73 **(Ger)**

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) **(Ger)**

[Association of orciprenaline with progestative agents in the treatment of threatened premature labor] Pisani G, et al.
Ann Ostet Ginecol 93:506-13, Jul 72 (Eng. Abstr.) **(Ita)**

TOXICITY

Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens. Rudall G, et al.
J Natl Cancer Inst 49:813-9, Sep 72

PROGESTERONE

A simplified evaluation of vaginal cytology in third trimester pregnancy complications. Bercovici B, et al.
Acta Cytol (Baltimore) 17:67-72, Jan-Feb 73

Structural features of ring B and the interaction of 20-oxosteroids with cortisone reductase. White IH, et al. **Biochim Biophys Acta** 296:604-14, 8 Mar 73

Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization. Milgrom E, et al. **J Biol Chem** 248:1106-14, 10 Feb 73

The isolation of corpora lutea as autografts in the rat. Gihori G, et al. **J Reprod Fertil** 31:505-6, Dec 72

Gonadal hormones and behavior of normal and pseudohermaphroditic nonhuman female primates. Goy RW, et al. **Recent Prog Horm Res** 28:707-33, 1972

Characterization of the products from the oxidation of progesterone with osmium tetroxide. Talt AD.
Steroids 20:531-42, Nov 72

ADMINISTRATION & DOSAGE

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. **Am J Med** 54:195-200, Feb 73

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. **Biol Reprod** 8:58-61, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. **Fertil Steril** 23:769-75, Oct 72

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. **J Anim Sci** 35:1228-32, Dec 72

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al.
Jap J Physiol 22:505-16, Oct 72

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al.
Obstet Gynecol 41:227-33, Feb 73

Effects on lactation of progesterone injections administered before and after parturition in the rat. Herrenkohl LR, et al.
Proc Soc Exp Biol Med 142:506-10, Feb 73

[The effect of successive administration of 17-beta-estradiol and progesterone on the excretion of sodium and potassium and their level in renal tissue] Radev AI.
Akush Ginekol (Sofiia) 11:350-6, 1972 (Eng. Abstr.) **(Bul)**

[Menstrual rhythm as functional expression of a central regulatory mechanism controlling the menstrual cycle in the female] Schneider WH.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Eng. Abstr.) **(Ger)**

[Metabolism of synthetic progestogen--on portal injection method] Azuma Y, et al.
Clin Endocrinol (Tokyo) 20:1045-52, Dec 72 **(Jap)**

[Regulatory action of estrogen and progesterone in DNA synthesis of the endometrium] Kakita M.
Folia Endocrinol Jap 49:17-31, 20 Jan 73 (Eng. Abstr.) **(Jap)**

ADVERSE EFFECTS

Thrombotic predisposition associated with oral contraceptives. Zuck TF, et al.
Obstet Gynecol 41:427-35, Mar 73

ANALYSIS

The clinical value of amniotic fluid analysis in pregnancies complicated by Rh-isoimmunization or hepatosis. Jonasson LE.
Acta Obstet Gynecol Scand 52:113-30, 1973

Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Spilman CH, et al.
Biol Reprod 7:223-30, Oct 72

Release of progesterone from polyethylene devices in vitro and in experimental animals. Kalkwarf DR, et al.
Contraception 6:423-31, Nov 72

Estradiol inhibition of ovine luteal progesterone synthesis in vitro. Akbar AM, et al.
J Anim Sci 35:1206-9, Dec 72

A simple progesterone radioimmunoassay without column chromatography. Kutas M, et al.
Steroids 20:697-716, Dec 72

ANTAGONISTS & INHIBITORS

Effect of progesterone on respiration and oxidative phosphorylation. Aleksandrowicz Z, et al.
Eur J Biochem 31:300-7, 4 Dec 72

Aspects on the mode of action of antiestrogens and antiprogestogens. Terenius L, et al.
Gynecol Invest 3:96-107, 1972

BIOSYNTHESIS

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al.
Am J Anat 136:235-49, Feb 73

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced

in tbe same rat. Maneckjee R, et al. **Biol Reprod** 8:43-7, Feb 73

Influence of the fornix section on the biosynthesis of ovarian steroids in the rabbit. Kawakami M, et al. **Endocrinol Jap** 19:429-33, Oct 72

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during pbenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al. **Endocrinology** 92:1200-7, Apr 73

Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al. **Gen Comp Endocrinol** 19:509-14, Dec 72

Estradiol inhibition of ovine luteal progesterone synthesis in vitro. Akbar AM, et al. **J Anim Sci** 35:1206-9, Dec 72

Biosynthesis of progesterone from endogenous steroid precursor by the guinea-pig placenta. Piziak VK, et al. **J Reprod Fertil** 32:283-5, Feb 73

Role of the limbic-bypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats. Kawakami M, et al. **Med J Osaka Univ** 23:57-75, Sep 72

The in vitro biosyntbesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids** 21:233-44, Feb 73

BLOOD

Peripheral plasma levels of oestrogens and progesterone during late bovine pregnancy. Edqvist LE, et al. **Acta Endocrinol (Kbh)** 72:81-8, Jan 73

Radioimmunoassay of progesterone in peripheral plasma of tbe domestic fowl in various physiological states and in follicular venous plasma. Furr BJ. **Acta Endocrinol (Kbh)** 72:89-100, Jan 73

Dexamethasone or propranolol blockade of induced increase in plasma progesterone in early human pregnancy. Fylling P. **Acta Endocrinol (Kbh)** 72:569-72, Mar 73

Immunoreactive luteinizing hormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al. **Acta Endocrinol (Kbh)** 72:573-81, Mar 73

Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED. **Acta Obstet Gynecol Scand** 52:37-40, 1973

Plasma progesterone in gilts during the prepuberal period and tbe first oestrous cycle. Refsdal AO. **Acta Vet Scand** 13:278-80, 1972

Structure and function of tbe hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat** 136:235-49, Feb 73

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al. **Am J Obstet Gynecol** 113:607-15, 1 Jul 72

Effects of luteectomy and progesterone replacement tberapy in early pregnant patients. Csapo AI, et al. **Am J Obstet Gynecol** 115:759-65, 15 Mar 73

Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al. **Am J Obstet Gynecol** 115:478-83, 15 Feb 73

Method of endoscopy in the chimpanzee: relations of ovarian anatomy, endometrial histology and sexual swelling. Graham CE, et al. **Am J Phys Anthropol** 38:211-5, Mar 73

Progesterone values in monkeys near term. Macdonald GJ, et al. **Am J Phys Anthropol** 38:201-5, Mar 73

Characterization of rat placental luteotropin. Pbysiological and pbysicocbemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73

Time of ovulation in the beagle bitch. Phemister RD, et al. **Biol Reprod** 8:74-82, Feb 73

Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma. Powell JE, et al. **Clin Chem** 19:210-5, Feb 73

Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. **Contraception** 6:411-21, Nov 72

Intrauterine contraception witb tbe copper-T device. 3. Effect upon endometrial morphology. Hagenfeldt K, et al. **Contraception** 6:207-18, Sep 72

Postovulatory contraception in women with large doses of noretbindrone. Nygren KG, et al. **Contraception** 5:445-56, Jun 72

Alpha-amylase, glycogen synthetase and pbosphorylase in the human endometrium: influence of the cycle and of the Cu-T device. Robles F, et al. **Contraception** 6:373-84, Nov 72

Radioimmunoassay of serum progesterone in women receiving oral contraceptive steroids. Thorneycroft IH, et al. **Contraception** 5:129-46, Feb 72

Functional luteolysis in the rhesus monkey; the role of estrogen. Karscb FJ, et al. **Endocrinology** 92:1148-52, Apr 73

Cyclic variations of serum progestins and immunoreactive estrogens in marmosets. Preslock JP, et al. **Endocrinology** 92:1096-101, Apr 73

Progesterone studies in the Macaca fascicularis. Stabenfeldt GH, et al. **Endocrinology** 92:1296-300, Apr 73

Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al. **Endocrinology** 92:1182-91, Apr 73

Effect of oral diethylstilbestrol on plasma progesterone. Board JA, et al. **Fertil Steril** 24:95-7, Feb 73

Peripheral serum progesterone and correlated endometrial glycogen levels during the menstrual cycle of Macaca arctoides. Macdonald GJ, et al. **Fertil Steril** 24:98-103, Feb 73

Morpbologic changes in the ovaries of women treated with continuous microdose progestogens. Moghissi KS. **Fertil Steril** 23:739-44, Oct 72

Influence of nutrition on ovulation and fertilization in the Rambouillet ewe. Lamond DR, et al. **J Anim Sci** 36:363-7, Feb 73

Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation. Smith VG, et al. **J Anim Sci** 36:391-6, Feb 73

LH, prolactin, estradiol and progesterone in bovine blood serum during early pregnancy. Wettemann RP, et al. **J Anim Sci** 36:51-6, Jan 73

Effect of o,p'DDD on buman adrenal steroid 11 beta-hydroxylation activity. Brown RD, et al. **J Clin Endocrinol Metab** 36:730-3, Apr 73

Estrogen-induced human luteolysis. Gore BZ, et al. **J Clin Endocrinol Metab** 36:615-7, Mar 73

Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al. **J Clin Endocrinol Metab** 36:784-7, Apr 73

Placental function in prostaglandin induced labour. Keller PJ, et al. **J Obstet Gynaecol Br Commonw** 79:804-6, Sep 72

Steroid plasma levels about oestrus in the beef cow. Blockey MA, et al. **J Reprod Fertil** 32:342-3, Feb 73

The effect of an ovine LH and a placental protein on tbe maintenance of the corpus luteum in tbe ewe. Cerini ME, et al. **J Reprod Fertil** 32:324-5, Feb 73

An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al. **J Reprod Fertil** 32:334-5, Feb 73

Hormonal changes in ewes and their fetuses at parturition. Currie WB, et al. **J Reprod Fertil** 32:333-4, Feb 73

Pituitary control of the ovine corpus luteum. Denamur R, et al. **J Reprod Fertil** 32:207-20, Feb 73

The bormonal control of ovulation in the laying hen. Furr BJ, et al. **J Reprod Fertil** 31:495-6, Dec 72

Mid-term abortion induced in sheep by synthetic corticoids. Fylling P, et al. **J Reprod Fertil** 32:305-6, Feb 73

Plasma progesterone and prostaglandin F concentrations in the cyclic sow. Gleeson AR, et al. **J Reprod Fertil** 32:343-4, Feb 73

Ovarian cycle and plasma progesterone levels in tbe female stoat, mustela erminea. Gulamhusein AP, et al. **J Reprod Fertil** 31:492-3, Dec 72

Observatons on the luteolytic effects of prostaglandin F 2 during the oestrous cycle and early pregnancy in the ewe. Hearnshaw H, et al. **J Reprod Fertil** 32:322-3, Feb 73

Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. Hunter RH, et al. **J Reprod Fertil** 31:499-501, Dec 72

Oestradiol-17 and progesterone after induction of superovulation by PMSG in cattle. Lemon M, et al. **J Reprod Fertil** 31:501-2, Dec 72

Hormonal changes around oestrus in the cow. Nancarrow CD, et al. **J Reprod Fertil** 32:320-1, Feb 73

Plasma oestradiol, progesterone and luteinizing hormone concentrations during the ovine oestrous cycle. Pant HC, et al. **J Reprod Fertil** 31:501, Dec 72

Observations on tbe luteolytic action of prostaglandin

F 2 in the ewe. Restall BJ, et al.
J Reprod Fertil 32:325-6, Feb 73
Progestins and progestin metabolites in ovine fetal blood. Seamark RF, et al.
J Reprod Fertil 32:329-30, Feb 73
Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep. Wodzicka-Tomaszewska M, et al.
J Reprod Fertil 32:323-4, Feb 73
Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al.
J Reprod Med 9:287-91, Dec 72
Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al.
J Reprod Med 9:448-52, Dec 72
Induction and suppression of lactation in animals. Cowie AT. Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)
Massive initial prostaglandin impact in postconceptional therapy. Csapo AI, et al.
Prostaglandins 2:125-34, Aug 72
Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. Prostaglandins 2:93-101, Aug 72
Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Sbaikh AA. Prostaglandins 2:227-33, Sep 72
A highly specific radioimmunoassay for progesterone using antibodies covalently linked to arylamine-glass particles. Bodley FH, et al. Steroids 21:1-16, Jan 73
Physicochemical properties of the 5 -dihydrotestosterone binding protein in human male serum. Hansson V, et al. Steroids 20:555-74, Nov 72
[Study of a protein binding method for the determination of plasma corticoids] Köbberling J, et al.
Z Klin Chem Klin Biochem 10:67-73, Feb 72 (Eng. Abstr.) (Ger)
[Ovulation induction using gonadotropins] Bettendorf G, et al. Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)
[Determination of serum progesterone by competitive protein binding] Shinada T, et al.
Clin Endocrinol (Tokyo) 20:671-7, Aug 72 (Jap)
[Survival of fertilized ova and hormonal dynamics] Takagi S, et al.
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)
[Role of progesterone in physiological labor] Persianinov LS, et al.
Akush Ginekol (Mosk) 48:18-20, Nov 72 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O.
Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)

ISOLATION & PURIFICATION

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. Steroids 21:17-26, Jan 73
Radioimmunoassay of 17-hydroxyprogesterone. Youssefnejadian E, et al. Steroids 20:773-88, Dec 72

METABOLISM

Quantitative assessment of the principal steroids formed by human placentas perfused with labelled cholesterol in vitro. Telegdy G, et al.
Acta Endocrinol (Kbh) 72:127-36, Jan 73
Studies of cytochrome P-450 in testis microsomes. Menard RH, et al.
Arch Biochem Biophys 154:8-18, Jan 73
Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al.
Biochem Biophys Res Commun 50:71-9, 4 Jan 73
Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. Biol Reprod 8:48-57, Feb 73
Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone. Funder JW, et al.
Endocrinology 92:1005-13, Apr 73
Progesterone "receptor" in rabbit uterus. I. Characterization and estradiol-17beta augmentation. Rao BR, et al. Endocrinology 92:1229-40, Apr 73
Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73
Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al.
Eur J Biochem 31:345-53, 4 Dec 72
Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid hormones, sterols and bile acids in rats. Einarsson K, et al. Eur J Biochem 32:197-206, 15 Jan 73
Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al.
Gen Comp Endocrinol 20:144-9, Feb 73
Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72
Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution. Wagner RK, et al. Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72
Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72
Endocrine changes in the ewe and her fetus correlated with uterine activity during parturition. Rawlings NC, et al. J Reprod Fertil 31:503-4, Dec 72
Pteridins and steroid hydroxylation-(I). I.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrhynchos) adrenocortical tissue preparations. Lehoux JG, et al. J Steroid Biochem 3:773-9, Sep 72
Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al.
Physiol Behav 9:773-5, Nov-Dec 72
Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al.
Prostaglandins 2:159-68, Sep 72
Further characterization of the 5 -dihydrotestosterone binding protein in the epididymal cytosol fraction. In vitro studies. Hansson V. Steroids 20:575-96, Nov 72
The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. Steroids 21:233-44, Feb 73
A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. Steroids 20:597-608, Nov 72
[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)
[Metabolism of synthetic progestogen--on portal injection method] Azuma Y, et al.
Clin Endocrinol (Tokyo) 20:1045-52, Dec 72 (Jap)

PHARMACODYNAMICS

The effects of ovarian steroids on food and water intake and body weight in the female rat. Tarttelin MF, et al.
Acta Endocrinol (Kbh) 72:551-68, Mar 73
Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Ying SY, et al.
Acta Endocrinol (Kbh) 72:161-72, Jan 73
The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72
The effects of estrogen and progesterone on the blood levels of glucose, non-esterified fatty acids and cholesterol in ovariectomized sheep. Luthman J, et al.
Acta Vet Scand 13:242-50, 1972
A study of the effect of short-term progesterone treatment of serum calcium and inorganic phosphorus concentration in the rat. Nurmio P, et al.
Acta Vet Scand 13:185-90, 1972
Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al.
Am J Obstet Gynecol 115:447-50, 15 Feb 73
Effects of luteectomy and progesterone replacement therapy in early pregnant patients. Csapo AI, et al.
Am J Obstet Gynecol 115:759-65, 15 Mar 73
Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al.
Am J Obstet Gynecol 113:678-80, 1 Jul 72
The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)
Induction of ovulation in rabbits by synthetic

luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-6, 15 Mar 73

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73

Scanning electron microscopy of ovoimplantation. Bergström S. Arch Gynaekol 212:285-307, 1972

The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. Biol Reprod 7:238-46, Oct 72

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. Biol Reprod 8:58-61, Feb 73

Comparative effects of antiserum to luteinizing hormone on pseudopregnancy and pregnancy induced in the same rat. Maneckjee R, et al. Biol Reprod 8:43-7, Feb 73

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. Biol Reprod 8:83-6, Feb 73

Implantation of blastocysts labeled with (3 H) uridine into the uterus of gonadotropin-treated pseudopregnant prepubertal rats. Sanyal MK, et al. Biol Reprod 7:207-10, Oct 72

Effects of progesterone and estrogen on the fate of blastocysts in ovariectomized pregnant ferrets: a preliminary study. Wu JT, et al. Biol Reprod 7:231-7, Oct 72

Effects of time and duration of progesterone administration on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Jabara AG, et al. Br J Cancer 27:63-71, Jan 73

A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al. Br J Clin Pract 26:567-8, Dec 72

Effect on reproductive organs of three clomiphene analogues. Basu J. Br J Pharmacol 46:324-8, Oct 72

Study on the uterine mucosubstances accompanying the infertility effect of an intrauterine device. Abe T, et al. Clin Chim Acta 42:29-35, Nov 72

Steroid contraceptives and plasma carotenoids. Briggs M, et al. Contraception 6:275-80, Oct 72

Release of progesterone from polyethylene devices in vitro and in experimental animals. Kalkwarf DR, et al. Contraception 6:423-31, Nov 72

Attachment reaction of rat uterine luminal epithelium. V. Suppression of the attachment reaction by some antifertility agents. Ljungkvist I, et al. Contraception 5:473-88, Jun 72

Blastocystotoxic effect of copper in vitro. Noesiund G. Contraception 6:281-5, Oct 72

Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al. Dan Med Bull 19:246-58, Dec 72

The hypertensive action of progesterone and its modification by variations in salt intake. Lloyd IJ, et al. East Afr Med J 49:403-6, Jun 72

The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al. Endocrinology 92:1256-68, Apr 73

Effect of clomiphene citrate and its isomers on sexual behavior in ovariectomized rats. Ross JW, et al. Endocrinology 92:1079-83, Apr 73

Clinical observations on reproduction in a pony stud. Arthur GH, et al. Equine Vet J 4:109-17, Jul 72 (23 ref.)

Effect of progesterone on respiration and oxidative phosphorylation. Aleksandrowicz Z, et al. Eur J Biochem 31:300-7, 4 Dec 72

The effect of progesterone on the early development of the rabbit embryo. Allen MC, et al. Fertil Steril 24:220-6, Mar 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Biologic changes induced by unilateral intrauterine instillation of quinacrine in the rat and their reversal by either estradiol or progesterone. Zipper JA, et al. Fertil Steril 24:48-53, Jan 73

Effect of antiestrogens on uterine estradiol receptors. Rochefort H, et al. Gynecol Invest 3:43-62, 1972

Hyaluronidase levels of bull & rabbit semen after incubation in rabbit uterus. Kooner DS, et al. Indian J Exp Biol 10:163-5, May 72

Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. Smith LE Jr, et al. J Anim Sci 35:1228-32, Dec 72

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. J Biol Chem 248:1004-10, 10 Feb 73

Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. J Endocrinol 55:599-607, Dec 72

Implantation and attachment reaction of rat uterine luminal epithelium at a high dose of oestradiol. Ljungkvist I. J Endocrinol 55:515-8, Dec 72

Effect of diets devoid of one essential amino acid on pregnancy in rats maintained by ovarian steroids. Niiyama Y, et al. J Nutr 103:207-12, Feb 73

Factors affecting the production and accumulation of uterine luminal fluid in the rat. Conner EA, et al. J Pharmacol Exp Ther 184:285-90, Jan 73

The inhibitory action of oestradiol-17beta and progesterone on human venous smooth muscle. Barwin BN, et al. J Physiol (Lond) 227:41P-42P, Dec 72

Increasing the reproductive rat of the ewe. Fraser C, et al. J Physiol (Lond) 227:7P-8P, Dec 72

A comparison of the transport of spermatozoa in spayed and entire ewes. Allison AJ. J Reprod Fertil 31:415-23, Dec 72

Ovine luteinizing hormone release induced by a synthetic gonadotrophin-releasing factor. Cumming IA, et al. J Reprod Fertil 32:340, Feb 73

Local action of progesterone leading to polyspermic fertilization in pigs. Hunter RH. J Reprod Fertil 31:433-44, Dec 72

Synthesis of DNA and mitosis in rabbit uteri after oestrogen and progesterone injections, and during early pregnancy. Lee AE, et al. J Reprod Fertil 31:473-6, Dec 72

Uterine endometrial phosphatases in the ewe during early pregnancy and in relation to implantation. Murdoch RN. J Reprod Fertil 32:346-7, Feb 73

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. J Reprod Med 9:361-71, Dec 72

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI. J Reprod Med 9:400-12, Dec 72

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72

Effect of exogenous estrogen and progesterone upon sex chromatin frequency. Becker KL, et al. J Urol 109:79-81, Jan 73

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. Jap J Physiol 22:505-16, Oct 72

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al. Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

The effect of pilocarpine and oxotremorine on hormone-activated copulatory behavior in the ovariectomized hamster. Lindström LH. Naunyn Schmiedebergs Arch Pharmacol 275:233-41, 1972

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. Neuroendocrinology 11:229-39, 1973

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al. Obstet Gynecol 41:227-33, Feb 73

Stimulus and experiential factors controlling mounting behavior in the female rat. Coniglio L, et al. Physiol Behav 9:263-7, Aug 72

Sexual preferences in neonatally castrated male golden hamsters. Johnson WA, et al. Physiol Behav 9:213-7, Aug 72

Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72

Effects on lactation of progesterone injections administered before and after parturition in the rat. Herrenkohl LR, et al. Proc Soc Exp Biol Med 142:506-10, Feb 73

Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock. Jeffries CD, et al. Proc Soc Exp Biol Med 142:656-9, Feb 73

Antifertility properties of a new prostaglandin-ICI 74205. Labhsetwar AP. Prostaglandins 2:375-92, Nov 72

Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone. Saksena SK, et al. Prostaglandins 2:405-11, Nov 72

Neuroendocrine factors in the control of primate behavior. Michael RP, et al. Recent Prog Horm Res 28:665-706, 1972

Activation of lordotic responding in female rats by suppression of serotonergic activity. Zemlan FP, et al. **Science** 179:1010-1, 9 Mar 73

[The effect of successive administration of 17-beta-estradiol and progesterone on the excretion of sodium and potassium and their level in renal tissue] Radev AI. **Akush Ginekol (Sofiia)** 11:350-6, 1972 (Eng. Abstr.) **(Bul)**

[Morphological changes in the vagina, ovary and hypophysis in experimental animals under the effect of sistocycline] Takeva Ts, et al. **Akush Ginekol (Sofiia)** 11:409-14, 1972 (Eng. Abstr.) **(Bul)**

[Effect of prostaglandin F2a upon the corpus luteum of pregnant rats] Tuchmann-Duplessis H, et al. **C R Acad Sci [D] (Paris)** 275:2033-5, 30 Oct 72 **(Fre)**

[Trypan blue athrocytosis by rat endometrium. Morphological and dynamic data resulting from changes in the hormonal state] Sartor P. **C R Soc Biol (Paris)** 166:577-80, 1972 **(Fre)**

[Inhibition of the action of insulin by progesterone in pregnant rats] Sutter-Duh T, et al. **J Physiol (Paris)** 65:Suppl 1:167A, 1972 **(Fre)**

[Contraceptive agents and growth of hair on the model of pregnancy from the animal experiment viewpoint] Bosse K. **Arch Dermatol Forsch** 244:507-10, 1972 **(Ger)**

[Problems of labor inhibition] Warm R. **Z Aerztl Fortbild (Jena)** 66:1033-9, 15 Oct 72 **(Ger)**

[Endocrine control of pregnancy] Hayashi K, et al. **Clin Endocrinol (Tokyo)** 20:693-700, Sep 72 (8 ref.) **(Jap)**

[Regulatory action of estrogen and progesterone in DNA synthesis of the endometrium] Kakita M. **Folia Endocrinol Jap** 49:17-31, 20 Jan 73 (Eng. Abstr.) **(Jap)**

[The effect of local destruction of the hypothalamus on the EKG's of rats following administration of estrogens and progesterone] Kharchenko SF. **Kardiologiia** 12:140-2, Nov 72 **(Rus)**

PHYSIOLOGY

The effects of ovarian steroids on food and water intake and body weight in the female rat. Tarttelin MF, et al. **Acta Endocrinol (Kbh)** 72:551-68, Mar 73

Hormonal control of endometrial glycogen metabolism in the Macaca arctoides. Demers LM, et al. **Am J Phys Anthropol** 38:183-7, Mar 73

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. **Jap J Physiol** 22:505-16, Oct 72

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. **Neuroendocrinology** 11:229-39, 1973

Induction and suppression of lactation in animals. Cowie AT. **Proc R Soc Med** 65:1084-5, Dec 72 (8 ref.)

[Pregnancy and mortality in mice induced by hypoxia and carbon monoxide] Stupfel M, et al. **J Physiol (Paris)** 65:Suppl 1:166A, 1972 **(Fre)**

[Inhibition of the action of insulin by progesterone in pregnant rats] Sutter-Duh T, et al. **J Physiol (Paris)** 65:Suppl 1:167A, 1972 **(Fre)**

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. **Nouv Presse Med** 2:103-9, 13 Jan 73 (Eng. Abstr.) **(Fre)**

[Endocrine regulation of labor in cattle, sheep and goats] Agthe O. **Dtsch Tieraerztl Wochenschr** 80:64-8, 1 Feb 73 (57 ref.) **(Ger)**

[Endocrine control of pregnancy] Hayashi K, et al. **Clin Endocrinol (Tokyo)** 20:693-700, Sep 72 (8 ref.) **(Jap)**

[Endocrinological environment at the time of implantation] Iizuka R, et al. **Clin Endocrinol (Tokyo)** 20:687-92, Sep 72 (20 ref.) **(Jap)**

[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arterioscierocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M. **Clin Endocrinol (Tokyo)** 20:591-604, Aug 72 (43 ref.) **(Jap)**

[Survival of fertilized ova and hormonal dynamics] Takagi S, et al. **Clin Endocrinol (Tokyo)** 20:701-8, Sep 72 (8 ref.) **(Jap)**

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S. **Clin Endocrinol (Tokyo)** 20:683-6, Sep 72 (6 ref.) **(Jap)**

[Role of progesterone in physiological labor] Persianinov LS, et al. **Akush Ginekol (Mosk)** 48:18-20, Nov 72 (Eng. Abstr.) **(Rus)**

SECRETION

Immunoreactive luteinizing hormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al. **Acta Endocrinol (Kbh)** 72:573-81, Mar 73

Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep. Wodzicka-Tomaszewska M, et al. **J Reprod Fertil** 32:323-4, Feb 73

Steroid secretion by rat adrenal glands during the first week following adrenal enucleation. Holzbauer M, et al. **J Steroid Biochem** 3:767-72, Sep 72

Candida and candidiasis. 1. Cultural conditions, epidemiology and pathogenesis. Drake TE, et al. **Postgrad Med** 53:83-7, Feb 73

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. **Prostaglandins** 2:351-67, Nov 72

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. **Prostaglandins** 2:331-49, Nov 72

[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. **Nouv Presse Med** 2:103-9, 13 Jan 73 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

A study of the effect of short-term progesterone treatment of serum calcium and inorganic phosphorus concentration in the rat. Nurmio P, et al. **Acta Vet Scand** 13:185-90, 1972

Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats. Niiyama Y, et al. **Jap J Physiol** 22:505-16, Oct 72

Diagnosis and treatment of hirsutism in women. Karp L, et al. **Obstet Gynecol** 41:283-94, Feb 73 (44 ref.)

[The effect of estrogens and progesterone on the membrane potential of the myometrium] Khadzhiev A. **Akush Ginekol (Sofiia)** 11:167-71, 1972 **(Bul)**

[Composition of human sebum. Preliminary study of total fatty acids by gas chromatography in acneic and normal females, before and after intake of synthetic estro-progestative agents] Lantz JP, et al. **Ann Dermatol Syphiligr (Paris)** 99:277-80, 1972 **(Fre)**

[Current therapeutic data concerning mastodynia and benign mastopathies] Mauvais-Jarvis P. **Therapeutique** 48:575-8, Nov 72 **(Fre)**

[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arterioscierocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M. **Clin Endocrinol (Tokyo)** 20:591-604, Aug 72 (43 ref.) **(Jap)**

TOXICITY

Biological studies on leukemia in the ICRC mouse. 3. Effect of progesterone administration on leukemia development. Pal R, et al. **Indian J Cancer** 9:244-8, Sep 72

RELAXIN

METABOLISM

Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations. Long JA. **Biol Reprod** 8:87-99, Feb 73

SEX HORMONES

Gonadal hormones and behavior of normal and pseudohermaphroditic nonhuman female primates. Goy RW, et al. **Recent Prog Horm Res** 28:707-33, 1972

Gender dimorphic behavior and fetal sex hormones. Money J, et al. **Recent Prog Horm Res** 28:735-63, 1972

[Lipids during pregnancy and delivery] Jaisle F. **Fortschr Geburtshilfe Gynaekol** 48:1-184, 1972 (726 ref.) **(Ger)**

[Secondary amenorrhea in girls in the light of some

bormonal studies] Komorowska A, et al.
Ginekol Pol 44:155-60, Feb 73 (Eng. Abstr.) (Pol)

ANTAGONISTS & INHIBITORS

[Action of the pineal body on sexual function and on lipid metabolism] Damian E.
Stud Cercet Endocrinol 23:389-96, 1972 (Rum)

BIOSYNTHESIS

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)
Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72
[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

METABOLISM

Transport and transformation of steroids in the seminiferous tubules. Cooper TG, et al.
J Reprod Fertil 31:506-7, Dec 72
Experimental models of degenerative joint disease. Moskowitz RW.
Semin Arthritis Rheum 2:95-116, Summer 72 (66 ref.)
[Biological significance of steroid metabolism] Okada K. Clin Endocrinol (Tokyo) 20:1025-8, Dec 72 (Jap)
[Action of the pineal body on sexual function and on lipid metabolism] Damian E.
Stud Cercet Endocrinol 23:389-96, 1972 (Rum)

PHARMACODYNAMICS

A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al.
Br J Clin Pract 26:567-8, Dec 72
Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al.
Dan Med Bull 19:246-58, Dec 72
5'-Nucleotidase. VI. Sex differences in the localization of rat liver 5'-nucleotidase activity. Hardonk MJ, et al.
Histochemie 32:363-8, 1972
The biological regulation of copper homeostasis in the rat. Evans GW.
World Rev Nutr Diet 17:225-49, 1973 (56 ref.)

PHYSIOLOGY

Twenty-eighth annual meeting of the American Fertility Society. Schneider D.
Fed Proc 32:123-9, Feb 73
Gender differences. Lancet 1:411-2, 24 Feb 73
Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. Recent Prog Horm Res 28:627-63, 1972
[Review of recent reports on the pathology of articular cartilage. 3. Repair. Influence of pressure. Role of hormones. Experimental study. Aging] Peyron JG.
Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Abstr.) (Fre)
[Biological significance of steroid metabolism] Okada K. Clin Endocrinol (Tokyo) 20:1025-8, Dec 72 (Jap)
[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arteriosclerocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M.
Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)

SECRETION

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Khh) 171:3-27, 1972 (108 ref.)
[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP.
Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

[Adiposogenital dystrophy] Bierich JR.
Dtsch Med Wochenschr 98:31-2, 5 Jan 73 (Ger)

STANOLONE

5 -dihydrotestosterone sulphate and cortisone reductase. Gibb W, et al.
Biochim Biophys Acta 280:646-51, 8 Dec 72

ANALYSIS

A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al.
Acta Endocrinol (Khh) 72:604-14, Mar 73

BIOSYNTHESIS

Rat bone marrow cells: androgen metabolism and actions at the molecular level. Minguell J, et al.
J Steroid Biochem 3:803-5, Sep 72
Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

BLOOD

The effect of intravenously administered human chorionic gonadotrophin on plasma levels of testosterone and 5 -dihydrotestosterone in normal male subjects. Maurer W, et al.
Acta Endocrinol (Khh) 72:615-24, Mar 73
Physicochemical properties of the 5 -dihydrotestosterone binding protein in human male serum. Hansson V, et al. Steroids 20:555-74, Nov 72

ISOLATION & PURIFICATION

[Isolation of radioisotope labeled conjugates of testosterone metabolism from bile of the male rat] Hetzel WD, et al.
Hoppe Seylers Z Physiol Chem 353:1525-6, Oct 72 (Ger)

METABOLISM

Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution. Wagner RK, et al. Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72
Binding of testosterone to uterine components of the immature rat. Giannopoulos G.
J Biol Chem 248:1004-10, 10 Feb 73
A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72
Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)
Further characterization of the 5 -dihydrotestosterone binding protein in the epididymal cytosol fraction. In vitro studies. Hansson V. Steroids 20:575-96, Nov 72
A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. Steroids 20:597-608, Nov 72
Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone. Whalen RE, et al.
Steroids 20:717-25, Dec 72

PHARMACODYNAMICS

5 -dihydrotestosterone sulphate and cortisone reductase. Gibb W, et al.
Biochim Biophys Acta 280:646-51, 8 Dec 72
Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72
Binding of testosterone to uterine components of the immature rat. Giannopoulos G.
J Biol Chem 248:1004-10, 10 Feb 73
Regulation of protein synthesis in chick oviduct. IV, Role of testosterone. Palmiter RD, et al.
J Biol Chem 248:2107-16, 25 Mar 73
Rat bone marrow cells: androgen metabolism and actions at the molecular level. Minguell J, et al.
J Steroid Biochem 3:803-5, Sep 72

PHYSIOLOGY

Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

THERAPEUTIC USE

Drugs in infertility. Barnes EW, et al.
Br Med J 1:234, 27 Jan 73
[Effect of anabolic steroids on protein metabolism under various protein administrations in chronic liver disease patients] Blabníková L, et al.
Z Ernaehrungswiss [Suppl] 13:105-12, 1972 (Eng. Abstr.) (Ger)

STANOZOLOL

PHARMACODYNAMICS

Anti-ovulatory effects of some androgenic-myotropic steroids in the pubertal rat. Boris A, et al.
Contraception 5:489-95, Jun 72

TESTOLACTONE

ADVERSE EFFECTS

Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

THERAPEUTIC USE

Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group. Goldenberg IS, et al.
JAMA 223:1267-8, 12 Mar 73

TESTOSTERONE

Isolation and characterization of 17 -hydroxy steroid dehydrogenase from human erythrocytes. Mulder E, et al. Biochem J 127:649-59, May 72
Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Moon YS, et al. Biol Reprod 7:278-87, Oct 72
Stability to freezing of steroid binding proteins in fish plasma. Idler DR, et al.
Comp Biochem Physiol [B] 44:179-83, 15 Jan 73
Rabbit testosterone-binding-globulin. I. Physico-chemical properties. Maboudeau JA, et al.
Endocrinology 92:1113-9, Apr 73
Metabolism of steroid hormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudohermaphroditic rats. Einarsson K, et al.
Eur J Biochem 31:345-53, 4 Dec 72
Studies on the metabolism of steroids in the foetus. Metabolism of 4-androstene-3,17-dione by human foetal-liver microsomes. Lisboa BP, et al.
Eur J Biochem 31:378-85, 4 Dec 72
Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization. Milgrom E, et al. J Biol Chem 248:1106-14, 10 Feb 73
Controlled release of testosterone using silicone rubber. Shippy RL, et al.
J Biomed Mater Res 7:95-110, Jan 73
Micelle formation and testosterone solubilization by sodium glycocholate. Martis L, et al.
J Pharm Sci 61:1757-61, Nov 72
The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72
Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. Steroids 20:789-812, Dec 72

ADMINISTRATION & DOSAGE

The effect of exogenous testosterone upon serum FSH and LH concentrations in normal males. Capell PT, et al. Contraception 6:135-43, Aug 72
Reversible antifertility action of testosterone propionate in human males. Reddy PR, et al.
Contraception 5:295-301, Apr 72
Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice. Takasugi N, et al.
Endocrinol Jap 19:417-22, Oct 72
Probable role of androgen in the regulation of the uropygial gland. Maiti BR, et al.
Gen Comp Endocrinol 19:527-35, Dec 72
A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72
[Biochemical control of blood serum in women following intensive androgenic therapy during the premenopausal period] Bakurdzhiev D, et al.
Akush Ginekol (Sofiia) 11:125-9, 1972 (Eng. Abstr.) (Bul)
[Histomorphology of organs from white Wistar rats following massive androgen administration] Bakurdzhiev D, et al.
Akush Ginekol (Sofiia) 11:414-7, 1972 (Eng. Abstr.) (Bul)
[Effect of testosterone propionate on the liberation of LH in the blood of rams: demonstration of a double mechanism of retroaction] Pelletier J, et al.
C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)
[The effect of central cholinoreceptor blockade on the aggressiveness of male rats with different sex hormone levels] Kiriukhin VG.
Farmakol Toksikol 35:541-4, Sep-Oct 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Hormonotherapy and the voice] Cornut G.
J Fr Otorhinolaryngol 21:691-2 passim, Oct 72 (Fre)

ANALYSIS

The preparation and use of (125 I) steroid-albumin conjugates as tracers in steroid radioimmunoassays. Jeffcoate SL, et al. Clin Chim Acta 43:343-9, 12 Feb 73
A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72
Brain and testicular function. Bliss EL, et al.
Life Sci [I] 11:231-8, 1 Mar 72
Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. Recent Prog Horm Res 28:627-63, 1972
A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73
[A new method of radioimmunoassay of plasma testosterone] Maboudeau JA, et al.
Ann Biol Clin (Paris) 30:559-66, 1972 (Eng. Abstr.) (Fre)
[Exogenous and endogenous dehydroepiandrosterone sulfate in aged women] Cedard L, et al.
Gerontol Clin (Basel) 14:160-71, 1972 (Fre)
[Significant differences in testosterone and 11-OHCS levels of the amniotic fluid between male and female fetuses] Dörner G, et al.
Endokrinologie 60:285-8, 1972 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Boris A, et al.
Acta Endocrinol (Kbh) 72:604-14, Mar 73
The antiandrogenic action of 4-androsten-3-one-17 beta-carboxylic acid and its methyl ester on hamster flank organ. Voigt W, et al.
Endocrinology 92:1216-22, Apr 73
Acne vulgaris--fact, fancy, and in between. Kalivas J.
Ration Drug Ther 7:1-5, Mar 73

BIOSYNTHESIS

In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis. Milewich L, et al.
Arch Biochem Biophys 153:188-92, Nov 72
Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73
Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos. Galli F, et al.
Gen Comp Endocrinol 19:509-14, Dec 72
In vitro steroidogenesis by testes of the chicken

(Gallus domesticus). Nakamura T, et al.
Gen Comp Endocrinol 19:432-40, Dec 72
How simple is hirsutism?
J Assoc Physicians India 20:785-6, Oct 72
Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. J Endocrinol 55:499-506, Dec 72
Environmental factors and testicular hormone production in the male rat. Purvis K, et al.
J Reprod Fertil 31:490-1, Dec 72
The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al.
J Steroid Biochem 3:781-90, Sep 72
Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique. Falvo RE, et al. Neuroendocrinology 10:229-34, 1972
[Comparative aspect of the synthesis of sex steroids by chick embryonal gonads at different stages of development (study in organ culture in the presence of radioactive precursors)] Guichard A, et al.
Gen Comp Endocrinol 20:16-28, Feb 73 (Eng. Abstr.) (Fre)
[Incompiete testicular feminization] Csaba I, et al.
Orv Hetil 114:503-5, 4 Mar 73 (Hun)

BLOOD

The effect of intravenously administered human chorionic gonadotrophin on plasma levels of testosterone and 5 -dihydrotestosterone in normal male subjects. Maurer W, et al.
Acta Endocrinol (Kbh) 72:615-24, Mar 73
Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al.
Acta Endocrinol (Kbh) 72:191-6, Jan 73
Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73
Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Wolff E, et al.
Am J Med 54:229-33, Feb 73
Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al.
Am J Obstet Gynecol 115:478-83, 15 Feb 73
Plasmatic testosterone in bilateral cryptorchids in adult age. Raboch J, et al. Andrologie 4:107-12, 1972
A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Ahmed J.
Clin Chim Acta 43:371-8, 12 Feb 73
Fluctuations in plasma testosterone levels in adult male rats and mice. Bartke A, et al.
Endocrinology 92:1223-8, Apr 73
Rabbit testosterone-binding-globulin. II. Effect on androgen metabolism in-vivo. Mahoudeau JA, et al.
Endocrinology 92:1120-5, Apr 73
Alterations in testicular morphology and function in rabbits following active immunization with testosterone. Nieschlag E, et al.
Endocrinology 92:1142-7, Apr 73
Pituitary-gonadal function before and after vasectomy. Wieland RG, et al. Fertil Steril 23:779-81, Oct 72
Plasma testosterone, estradiol, and gonadotrophins in hepatic insufficiency. Kent JR, et al.
Gastroenterology 64:111-5, Jan 73
Growth hormone levels in slipped capital femoral epiphysis. Razzano CD, et al.
J Bone Joint Surg [Am] 54:1224-6, Sep 72
Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. Charro AL, et al.
J Clin Endocrinol Metab 36:502-8, Mar 73
Serum androstenedione and testosterone levels during the menstrual cycle. Judd HL, et al.
J Clin Endocrinol Metab 36:475-81, Mar 73
The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia. Hancock KW, et al. J Obstet Gynaecol Br Commonw 79:846-8, Sep 72
Testosteone concentrations in the spermatic vein plasma of marsupials. Carrick FN, et al.
J Reprod Fertil 32:338-9, Feb 73
Environmental factors and testicular hormone production in the male rat. Purvis K, et al.
J Reprod Fertil 31:490-1, Dec 72
Testosterone levels in intersex goats. Zlotnik G.
J Reprod Fertil 32:287-90, Feb 73
Kinetics of [3H]-testosterone metabolism in normal young men: effects of medroxyprogesterone acetate (provera) administration. Clark AF, et al.
J Steroid Biochem 3:837-42, Sep 72
Brain and testicular function. Bliss EL, et al.
Life Sci [I] 11:231-8, 1 Mar 72
The Alström syndrome. Report of three cases with further delineation of the clinical, pathophysiological, and genetic aspects of the disorder. Goldstein JL, et al. Medicine (Baltimore) 52:53-71, Jan 73
Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique. Falvo RE, et al. Neuroendocrinology 10:229-34, 1972
Physiocochemical properties of the 5 -dihydrotestosterone binding protein in human male serum. Hansson V, et al. Steroids 20:555-74, Nov 72
Determination of serum testosterone and androstanediol by competitive protein binding. Strickland AL, et al. Steroids 21:27-46, Jan 73
[A new method of radioimmunoassay of plasma testosterone] Mahoudeau JA, et al.
Ann Biol Clin (Paris) 30:559-66, 1972 (Eng. Abstr.) (Fre)
[Gynecomastia during long term treatment of Cushing's disease with OP'DDD] Luton JP, et al.
Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Eng. Abstr.) (Fre)
[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)
[Neonatal evolution of plasmatic androgens in guinea pigs] Pelardy G, et al.
J Physiol (Paris) 65:Suppl:282A, Oct 72 (Fre)
[Diurnal variations of testosterone levels and HCG-stimulation in acute and chronic liver disease] Littman KP, et al.
Klin Wochenschr 50:1123-6, 15 Dec 72 (Eng. Abstr.) (Ger)
[Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders] Baba H.
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Eng. Abstr.) (Jap)

ISOLATION & PURIFICATION

A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Ahmed J.
Clin Chim Acta 43:371-8, 12 Feb 73
A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Patwardhan VV, et al.
Steroids 20:761-71, Dec 72

METABOLISM

Testosterone metabolism by rodent submaxillary glands in relation to their sexual dimorphism. Baldi A, et al. Acta Physiol Lat Am 22:129-34, 1972
Estrogen formation in the brain. Ryan KJ, et al.
Am J Obstet Gynecol 114:454-60, 15 Oct 72
2,4,5 T and the metabolism of testosterone-1,2- 3 H 2 by mouse prostate glands. Lloyd JW, et al.
Arch Environ Health 26:217-20, Apr 73
The 17 hydroxysteroid NAD (P) oxidoreductases from female rabbit liver cytosol: separation and characterization. Thaler-Dao H, et al.
Biochimie 54:83-91, 1972
Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Goldman AS.
Endocrinology 92:1043-50, Apr 73
Rabbit testosterone-binding-globulin. I. Physico-chemical properties. Mahoudeau JA, et al.
Endocrinology 92:1113-9, Apr 73
Rabbit testosterone-binding-globulin. II. Effect on androgen metabolism in-vivo. Mahoudeau JA, et al.
Endocrinology 92:1120-5, Apr 73
The antiandrogenic action of 4-androsten-3-one-17 beta-carboxylic acid and its methyl ester on hamster flank organ. Voigt W, et al.
Endocrinology 92:1216-22, Apr 73
Testosterone uptake by the urogenital tract of the rabbit embryo. Wilson JD.
Endocrinology 92:1192-9, Apr 73

Steroid-binding properties of a plasma-membrane fraction from rat liver. Blyth CA, et al. **Eur J Biochem** 32:57-62, 3 Jan 73

Estrogen-sensitive cell lines: uptake of labeled sex steroids and growth properties. Sonnenschein C, et al. **Exp Cell Res** 78:41-6, 30 Mar 73

Binding of testosterone to uterine components of the immature rat. Giannopoulos G. **J Biol Chem** 248:1004-10, 10 Feb 73

Reconstituted liver microsomal enzyme system that hydroxylates drugs, other foreign compounds, and endogenous substrates. VI. Different substrate specificities of the cytochrome P450 fractions from control and phenobarbital-treated rats. Lu AY, et al. **J Biol Chem** 248:456-60, 25 Jan 73

Effects of etbinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland. Briggs MH, et al. **J Clin Endocrinol Metab** 36:600-4, Mar 73

The metabolism of dehydroepiandrosterone by human scalp hair follicles. Fazekas AG, et al. **J Clin Endocrinol Metab** 36:582-6, Mar 73

Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica). Nakamura T, et al. **J Endocrinol** 55:499-506, Dec 72

A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al. **J Invest Dermatol** 59:299-304, Oct 72

Identification of 5 alpha-androstane-3 beta-diol in human urine. Berthou F, et al. **J Steroid Biochem** 3:819-30, Sep 72

Kinetics of [3H]-testosterone metabolism in normal young men: effects of medroxyprogesterone acetate (provera) administration. Clark AF, et al. **J Steroid Biochem** 3:837-42, Sep 72

Rat bone marrow cells: androgen metabolism and actions at the molecular level. Minguell J, et al. **J Steroid Biochem** 3:803-5, Sep 72

Recent studies on the mechanism of action of testosterone. Wilson JD. **N Engl J Med** 287:1284-91, 21 Dec 72 (55 ref.)

Sex-hormone-binding globulin is an oestrogen amplifier. Burke CW, et al. **Nature** 240:38-40, 3 Nov 72

Receptor-estrogen complex in the nuclear fraction of the pituitary and hypothalamus of male and female immature rats. Clark JH, et al. **Neuroendocrinology** 10:218-28, 1972

Androgen-concentrating cells in the midbrain of a songbird. Zigmond RE, et al. **Science** 179:1005-7, 9 Mar 73

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids** 21:17-26, Jan 73

Further characterization of the 5 -dihydrotestosterone binding protein in the epididymal cytosol fraction. In vitro studies. Hansson V. **Steroids** 20:575-96, Nov 72

The metabolism of androgens in rat preputial glands. Hodgins MB, et al. **Steroids** 21:307-22, Feb 73

A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats. Soloff MS, et al. **Steroids** 20:597-608, Nov 72

Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone. Whalen RE, et al. **Steroids** 20:717-25, Dec 72

[Determination of the characteristics of an inductor necessary for its interaction with a repressor in Pseudomonas testosteroni] Micbel-Briand Y, et al. **C R Soc Biol (Paris)** 166:565-72, 1972 **(Fre)**

[Role of androgens in the anuran amphibian Discoglossus pictus. I. In vitro metabolism of testosterone by the seminal vesicles] Ozon R, et al. **Gen Comp Endocrinol** 19:484-93, Dec 72 (Eng. Abstr.) **(Fre)**

[5 -Metabolites of testosterone: modus, sex specificity and age dependence of their formation in the rat liver] Ghraf R, et al. **Hoppe Seylers Z Physiol Chem** 353:1517-8, Oct 72 **(Ger)**

[Isolation of radioisotope labeled conjugates of testosterone metabolism from bile of the male rat] Hetzel WD, et al. **Hoppe Seylers Z Physiol Chem** 353:1525-6, Oct 72 **(Ger)**

[Studies on tbe metabolism of steroid hormones in vertebrates. IX. Tbe metabolism of (4- 14 C)testosterone in the liver of the African water frog (Xenopus laevis)] Lisboa BP, et al. **Hoppe Seylers Z Physiol Chem** 353:1907-14, Dec 72 (Eng. Abstr.) **(Ger)**

[Acneiform exanthema in acute infectious hepatitis] Dieckhoff D. **Z Gastroenterol** 10:483-8, Oct 72 (Eng. Abstr.) **(Ger)**

[5 -reduction of testosterone and biosynthesis of androgen in the germ cells of the testis of young rats] Matsumoto K, et al. **Clin Endocrinol (Tokyo)** 20:1035-43, Dec 72 **(Jap)**

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al. **Akush Ginekol (Mosk)** 48:20-5, Nov 72 (41 ref.) **(Rus)**

PHARMACODYNAMICS

The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus. Griffiths EC, et al. **Acta Endocrinol (Kbh)** 72:1-8, Jan 73

Steroid compounds and the dilatation of ovarian and uterine veins in the mouse. Forbes TR, et al. **Am J Obstet Gynecol** 113:678-80, 1 Jul 72

The effect of inhibitors of RNA and protein synthesis on dibutyryl cyclic AMP mediated morphological transformations of Chinese hamster ovary cells in vitro. Patterson D, et al. **Biochem Biophys Res Commun** 50:566-73, 23 Jan 73

Hormone-treated CHO cells exit the cell cycle in the G2 phase. Remington JA, et al. **Biochem Biophys Res Commun** 50:140-6, 4 Jan 73

Further studies on the stimulation of protein synthesis in androgen-dependent tissues by testosterone. Mainwaring WI, et al. **Biochem J** 130:189-97, Nov 72

Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Jackson GL. **Biol Reprod** 8:58-61, Feb 73

Immunological studies with rat prostate: antigenic localization and effect of hormones. Rao SS, et al. **Biol Reprod** 8:29-37, Feb 73

A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation. McNicol E, et al. **Br J Clin Pract** 26:567-8, Dec 72

The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. **Br Poult Sci** 14:121-5, Jan 73

Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat. Thomson MJ, et al. **Cancer Res** 33:220-5, Feb 73

The role of the thymus in maturational development of phytohemagglutinin and pokeweed mitogen responsiveness. Byrd WJ, et al. **Cell Immunol** 6:12-24, Jan 73

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. **Contraception** 5:489-95, Jun 72

The effect of exogenous testosterone upon serum FSH and LH concentrations in normal males. Capell PT, et al. **Contraception** 6:135-43, Aug 72

Reversible antifertility action of testosterone propionate in human males. Reddy PR, et al. **Contraception** 5:295-301, Apr 72

Hormonal correlates of sexual behaviour in sub-human primates. Everitt BJ, et al. **Dan Med Bull** 19:246-58, Dec 72

An investigation of the influence of testosterone on a sebaceous gland model in organ-culture. Preliminary communication. Kanaar P, et al. **Dermatologica** 144:353-4, 1972

Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice. Takasugi N, et al. **Endocrinol Jap** 19:417-22, Oct 72

The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Kalra PS, et al. **Endocrinology** 92:1256-68, Apr 73

Alterations in testicular morphology and function in rabbits following active immunization with testosterone. Nieschlag E, et al. **Endocrinology** 92:1142-7, Apr 73

The antiandrogenic action of 4-androsten-3-one-17 beta-carboxylic acid and its methyl ester on hamster flank organ. Voigt W, et al. **Endocrinology** 92:1216-22, Apr 73

Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Santti RS, et al. **Exp Cell Res** 77:111-20, 15 Mar 73

Oxidative metabolism of the limbic system in prepuberal rats. Aguilar E, et al. **Experientia** 28:1490-1, 15 Dec 72

Advances in male reproductive physiology. Mann T. **Fertil Steril** 23:699-707, Oct 72 (30 ref.)

Scanning electron microscopic study of the human

fallopian tube. 3. The effect of midpregnancy and of various steroids. Patek E, et al.
Fertil Steril 24:31-43, Jan 73

Dominance hierarchy in squirrel monkeys (Saimiri sciureus). Role of the gonads and androgen on genital display and feeding order. Green R, et al.
Folia Primatol (Basel) 18:185-95, 1972

Changes in the plasma volume (125 I-serum albumin label) and the total circulating erythrocyte mass (51 CrO 4 label) in Japanese quail treated with stilbestrol or with testosterone. Nirmalan GP, et al.
Gen Comp Endocrinol 20:150-4, Feb 73

Effect of antiestrogens on uterine estradiol receptors. Rochefort H, et al. **Gynecol Invest 3:43-62, 1972**

Further in vitro studies on the reattachment of ribosomes to ribosome-free membranes. Scott-Burden T, et al.
Hoppe Seylers Z Physiol Chem 353:1727-34, Nov 72

Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Osterman J, et al.
Horm Metab Res 4:433-8, Nov 72

Binding of testosterone to uterine components of the immature rat. Giannopoulos G.
J Biol Chem 248:1004-10, 10 Feb 73

Evidence for pleiotropic changes in lines of Chinese hamster ovary cells resistant to concanavalin A and phytohemagglutinin-P. Wright JA.
J Cell Biol 56:666-75, Mar 73

Direct measurement of osteolysis in man. Hansen JW, et al. **J Clin Invest 52:304-15, Feb 73**

Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. Uilenbroek JT, et al. **J Endocrinol 55:533-41, Dec 72**

A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland. Sansone-Bazzano G, et al.
J Invest Dermatol 59:299-304, Oct 72

Variations of erythrocyte glycolysis following androgens. Molinari PF, et al.
J Lab Clin Med 81:443-6, Mar 73

Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide. Toh YC.
J Natl Cancer Inst 48:113-8, Jan 72

Decreased contractility and norepinephrine content of guinea-pig seminal vesicles after chronic treatment with testosterone. Greenberg S, et al.
J Pharmacol Exp Ther 184:56-66, Jan 73

Sebaceous glands on the hindquarters of the vole, Microtus agrestis. Clarke JR, et al.
J Reprod Fertil 31:477-81, Dec 72

The effect of FSH, LH and testosterone on lysosomal enzymes in the rat testis, after post-hypophysectomy regression. Elkington JS, et al.
J Reprod Fertil 32:336-7, Feb 73

Rat bone marrow cells: androgen metabolism and actions at the molecular level. Minguell J, et al.
J Steroid Biochem 3:803-5, Sep 72

Some studies on the formation in vivo of pyridoxal phosphate in rats receiving high-fat diet. Chatterjee AK, et al. **J Vitaminol (Kyoto) 18:189-93, 10 Dec 72**

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

Stimulus and experiential factors controlling mounting behavior in the female rat. Coniglio L, et al.
Physiol Behav 9:263-7, Aug 72

Sexual preferences in neonatally castrated male golden hamsters. Johnson WA, et al.
Physiol Behav 9:213-7, Aug 72

Effect of thymectomy and bursectomy on migration inhibition test of splenic cells in chickens. Morita C, et al. **Poult Sci 51:1133-6, Jul 72**

Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Goldman AS, et al. **Proc Soc Exp Biol Med 142:691-6, Feb 73**

Maternal behavior in the rat: facilitation through gonadectomy. Leon M, et al.
Science 179:1018-9, 9 Mar 73

The subcellular localization of the changes in ribonuclease and phosphatase activities of the mouse kidney produced by castration and testosterone. Kochakian CD, et al. **Steroids 21:95-110, Jan 73**

What's new in surgery. Urology. Cockett AT.
Surg Gynecol Obstet 136:219-20, Feb 73

[Effect of testosterone propionate on the liberation of LH in the blood of rams: demonstration of a double mechanism of retroaction] Pelletier J, et al.
C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al.
C R Soc Biol (Paris) 166:960-4, 1972 (Fre)

[Effect of steroïc androgens on Müllerian ducts of chick embryos] Stoll R, et al.
C R Soc Biol (Paris) 166:858-61, 1972 (Fre)

[Effect of epiphysectomy on the structure and the metabolism of the vesical wall in rats] Timmermans L, et al. **C R Soc Biol (Paris) 166:968-70, 1972 (Fre)**

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. **C R Soc Biol (Paris) 166:715-7, 1972 (Fre)**

[Histological and enzyme histochemical studies on the effect of testosterone on the healing of fractures in rats] Tarsoly E, et al.
Acta Chir Acad Sci Hung 13:1-12, 1972 (Ger)

[The influence of parachlorophenylalanine and testosterone on the sexual behavior of female rats] Möllmann H, et al.
Andrologie 4:39-44, 1972 (Eng. Abstr.) (Ger)

[Mechanical properties of the skin] Vogel HG.
Arch Dermatol Forsch 244:130-4, 1972 (Ger)

[Esterase. VI. The effect of testosterone on the unspecific carhoxyl esterase in mouse kidney during postnatal development] Wehler E, et al.
Histochemie 33:47-52, 1973 (Eng. Abstr.) (Ger)

[Influence of testosterone on the phospholipids in seminal vesicles of immature rats] Karger T, et al.
Hoppe Seylers Z Physiol Chem 353:1721-6, Nov 72 (Eng. Abstr.) (Ger)

[Effects of testosterone on phospholipid metabolism in the vesicular glands of immature rats] Karger T, et al.
Hoppe Seylers Z Physiol Chem 353:1532, Oct 72 (Ger)

[Regulation of cyclophosphamide metabolism in rats] Norpoth K, et al.
Hoppe Seylers Z Physiol Chem 353:1553-4, Oct 72 (Ger)

[Studies on RNA polymerase DNA complex from Pseudomonas testosteroni] Reimer G, et al.
Hoppe Seylers Z Physiol Chem 353:1560, Oct 72 (Ger)

[The effect of sexual steroids on hexobarbital anesthesia] Kulcsár A, et al.
Acta Pharm Hung 43:14-7, Jan 73 (Eng. Abstr.) (Hun)

[Enzyme induction in the liver--its mechanism and clinical significance] Yamamoto T, et al.
Jap J Clin Med 30:1952-65, Sep 72 (148 ref.) (Jap)

[Effect of testosterone administration on DNA and histone content in rabbits' spermatozoa] Grabski J.
Ginekol Pol 44:9-15, Jan 73 (Eng. Abstr.) (Pol)

[The effect of central cholinoreceptor blockade on the aggressiveness of male rats with different sex hormone levels] Kiriukhin VG.
Farmakol Toksikol 35:541-4, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Effect of separate and combined use of estrogens and androgens on the morphometric indices of the pancreatic insular apparatus in rats that are intact and with alloxan diabetes] Gasparian EG, et al.
Probl Endokrinol (Mosk) 18:56-61, Jul-Aug 72 (Eng. Abstr.) (Rus)

[The effect of castration on the follicle stimulating function of the hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM.
Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Specific induction of bladder cancer in mice by butyl-(4-hydroxybutyl)-nitrosamine and the effects of hormonal modifications on the sex difference in response. Bertram JS, et al.
Eur J Cancer 8:587-94, Dec 72

Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos. Chan SW, et al.
Gen Comp Endocrinol 20:144-9, Feb 73

On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Cusick EK, et al.
Gen Comp Endocrinol 19:441-56, Dec 72

Probable role of androgen in the regulation of the uropygial gland. Maiti BR, et al.
Gen Comp Endocrinol 19:527-35, Dec 72

Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

Effects of whole-body irradiation and hormones on drug metabolism in the liver endoplasmic reticulum. Knott JC, et al. **Radiat Res 53:65-76, Jan 73**

[Glycoprotein hormone cells of the pituitary gland of

an Iranian rodent (Ellobius lutescens Th.) identification of thyreotropic and gonadotropic cells and correlation with male hypogenitalism] Stefan Y.
Gen Comp Endocrinol 19:572-81, Dec 72 (Eng. Abstr.) (Fre)

[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arteriosclerocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M.
Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)

THERAPEUTIC USE

Drugs in infertility. Barnes EW, et al.
Br Med J 1:234, 27 Jan 73

Drugs in infertility. Foss GL. Br Med J 1:357, 10 Feb 73

Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. Carroll FI, et al.
J Med Chem 15:1158-61, Nov 72

Response to androgen in male hermaphrodites. Boczkowski K. Obstet Gynecol 41:419-26, Mar 73

[Hormonotherapy and the voice] Cornut G.
J Fr Otorhinolaryngol 21:691-2 passim, Oct 72 (Fre)

[Hormonal treatment of renal cell carcinoma] Satomi Y, et al.
Jap J Urol 63:939-50, Nov 72 (Eng. Abstr.) (Jap)

[Effect of drugs on nitrogen metabolism in diabetic patients] Balog P, et al.
Probl Endokrinol (Mosk) 18:34-7, Jul-Aug 72 (Eng. Abstr.) (Rus)

[Effect of separate and combined use of estrogens and androgens on the morphometric indices of the pancreatic insular apparatus in rats that are intact and with alloxan diabetes] Gasparian EG, et al.
Probl Endokrinol (Mosk) 18:56-61, Jul-Aug 72 (Eng. Abstr.) (Rus)

URINE

Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome. Nielsen J, et al.
Acta Endocrinol (Kbh) 72:191-6, Jan 73

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al.
Am J Med 54:390-403, Mar 73

Simultaneous determination of urinary androstanediol and testosterone as an evaluation of human androgenicity. Mauvais-Jarvis P, et al.
J Clin Endocrinol Metab 36:452-9, Mar 73

Radioimmunoassay of urinary testosterone glucuronoside. Hennam JF, et al.
Steroids 21:285-306, Feb 73

IV. Related Topics

CASTRATION

The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus. Griffiths EC, et al. **Acta Endocrinol (Kbh) 72:1-8, Jan 73**

The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. **Biol Reprod 7:238-46, Oct 72**

Effects of progesterone and estrogen on the fate of blastocysts in ovariectomized pregnant ferrets: a preliminary study. Wu JT, et al. **Biol Reprod 7:231-7, Oct 72**

A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys. Schane HP, et al. **Fertil Steril 23:745-50, Oct 72**

Effect of castration on histochemistry and biochemistry of acid hydrolases in rat prostate gland. Paris JE, et al. **J Natl Cancer Inst 49:1685-96, Dec 72**

A comparison of the transport of spermatozoa in spayed and entire ewes. Allison AJ. **J Reprod Fertil 31:415-23, Dec 72**

The effect of an intrauterine device on uterine weight and water content and on genital tract glycogen of cycling, ovariectomized, pseudopregnant or oestrogen-treated hamsters. Gregoire AT, et al. **J Reprod Fertil 31:341-5, Dec 72**

Effect of hemicastration on young and adult male rats. Hochereau-de Reviers MT, et al. **J Reprod Fertil 31:519-20, Dec 72**

Peripheral effects of some propionated androgens in the castrate male rat. Parrot RF. **J Reprod Fertil 31:518-9, Dec 72**

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Sheiden RM. **J Reprod Fertil 31:347-52, Dec 72**

Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone. Wallach EE, et al. **Obstet Gynecol 41:227-33, Feb 73**

The subcellular localization of the changes in ribonuclease and phosphatase activities of the mouse kidney produced by castration and testosterone. Kochakian CD, et al. **Steroids 21:95-110, Jan 73**

[Effect of biovariectomy on the embryo-maternal junction in pregnant rats before the placental relay] Clabaut M. **Ann Endocrinol (Paris) 33:221-30, May-Jun 72 (Eng. Abstr.) (Fre)**

[Autoradiographic study of RNA biosynthesis in the nucleus and of its transfer to the cytoplasm in cells of the male genitalia in white mice after castration] Durliat M, et al. **C R Acad Sci [D] (Paris) 275:2717-20, 6 Dec 72 (Fre)**

[Effect of different gonadal steroids on FSH and LH levels in castrated rats] Dufy-Barbe L, et al. **C R Soc Biol (Paris) 166:960-4, 1972 (Fre)**

[Trypan blue athrocytosis by rat endometrium. Morphological and dynamic data resulting from changes in the hormonal state] Sartor P. **C R Soc Biol (Paris) 166:577-80, 1972 (Fre)**

[New data on mechanisms involved in the early mating induced by estrogens in female rats during 4 day cycles] Vidal N, et al. **C R Soc Biol (Paris) 166:683-6, 1972 (Fre)**

[Ponderal cycle of wild hamsters in captivity: study in normal animals, castrated animals and thyroidectomized animals. Effect of thyroxine injections and thyroid homografts] Canguilhem B, et al. **J Physiol (Paris) 65:Suppl:209A, Oct 72 (Fre)**

[Effect of bilateral ovariectomy upon electric activity of the myometrium in pregnant rats] Clabaut M. **J Physiol (Paris) 65:Suppl:219A-220, Oct 72 (Fre)**

[Early effects of a progestative treatment on the electric activity and contractility of the myometrium after bilateral ovariectomy in pregnant rats] Lafaye A. **J Physiol (Paris) 65:Suppl:252A, Oct 72 (Fre)**

[Glycemia and insulinemia in castrated male rats, fasting and with glucose overload] Legrele C, et al. **J Physiol (Paris) 65:Suppl:257A-258, Oct 72 (Fre)**

[Case histories of castrated sex offenders from a forensic psychiatric viewpoint] Cornu F. **Bibl Psychiatr 149:1-132, 1973 (Ger)**

[The incidence of previous hysterectomies and-or unilateral ovariectomy in women with malignant ovarian tumors] Kofler E. **Geburtshilfe Frauenheilkd 32:873-81, Oct 72 (Eng. Abstr.) (Ger)**

[The influence of hysterectomy and unilateral ovariectomy on the occurrence of ovarian tumors] Wagenhichier P, et al. **Geburtshilfe Frauenheilkd 32:882-90, Oct 72 (Eng. Abstr.) (Ger)**

[Study of the antagonism between actinomycin D and placentotropin on the uterus of castrated rats] Lajos L, et al. **Orv Hetil 114:672-3, 25 Mar 73 (Hun)**

[The effect of castration on the follicle stimulating function of the hypophysis in intact and androgenized rats during ontogenesis] Nikitina MM. **Probl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Eng. Abstr.) (Rus)**

VETERINARY

An unusual case of hydronephrosis in a spayed Alsatian bitch. Turner T. **Vet Rec 91:588-90, 9 Dec 72**

ESTRUS

Urinary oestrogen excretion in the goat during the oestrous cycle and after administration of pregnant mare serum gonadotrophin (PMSG). Lyngset O, et al. **Acta Vet Scand 13:272-4, 1972**

Structure and function of the hamster corpus luteum during the estrous cycle. Leavitt WW, et al. **Am J Anat 136:235-49, Feb 73**

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

Time of ovulation in the beagle bitch. Phemister RD, et al. **Biol Reprod 8:74-82, Feb 73**

Responses of single units in the medulla to genital stimulation in estrous and anestrous cats. Rose JD, et al. **Brain Res 50:87-99, 14 Feb 73**

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al. **Endocrinol Jap 19:449-59, Oct 72**

Polyamine synthesis and polysome patterns in the rat uterus during the oestrous cycle. Hernandez O, et al. **Endocrinology 92:1107-12, Apr 73**

Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Schwartz NB, et al. **Endocrinology 92:1165-74, Apr 73**

Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. Dailey RA, et al. **J Anim Sci 35:1210-5, Dec 72**

Steroid plasma levels about oestrus in the beef cow. Blockey MA, et al. **J Reprod Fertil 32:342-3, Feb 73**

Plasma prolactin release about oestrus and after suckling in the beef cow. Cummins LJ, et al. **J Reprod Fertil 32:319, Feb 73**

Plasma progesterone and prostaglandin F concentrations in the cyclic sow. Gleeson AR, et al. **J Reprod Fertil 32:343-4, Feb 73**

The interaction between constant light and feeding rhythms on the reproductive cycle of the female rat. Haynes NB, et al. **J Reprod Fertil 31:489-90, Dec 72**

Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation. Hoffman DC, et al. **J Reprod Fertil 32:267-75, Feb 73**

Plasma LH and FSH during different oestrous cycle conditions in mice. Murr SM, et al. **J Reprod Fertil 32:221-30, Feb 73**

Hormonal changes around oestrus in the cow. Nancarrow CD, et al. J Reprod Fertil 32:320-1, Feb 73
Plasma oestradiol, progesterone and luteinizing hormone concentrations during the ovine oestrous cycle. Pant HC, et al. J Reprod Fertil 31:501, Dec 72
Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep. Wodzicka-Tomaszewska M, et al. J Reprod Fertil 32:323-4, Feb 73
Changes in the dimensions of the uterus of the Beagle bitch during the oestrous cycle. Christie DW, et al. J Small Anim Pract 13:97-100, Feb 72
Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique. Falvo RE, et al. Neuroendocrinology 10:229-34, 1972
[Changes in the duration of the estral cycle and sexual receptivity after lesion of the ventromedial nucleus in rats] Carrer H, et al. C R Soc Biol (Paris) 166:924-8, 1972 (Fre)
[Proliferating activity of the female rat adrenal cortex during the estrus cycle and at the end of pregnancy] Bertholet JY, et al. J Physiol (Paris) 65:Suppl 1:101A+, 1972 (Fre)

DRUG EFFECTS

Effects of injections of a norethandrolone suspension of synchronization of estrus and conception in beef cattle. Smith LE Jr, et al. J Anim Sci 36:67-71, Jan 73
Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Quadri SK, et al. Neuroendocrinology 11:248-55, 1973
Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs. Wade GN, et al. Physiol Behav 9:773-5, Nov-Dec 72
[Effect of a single injection of copper acetate on ovarian function in rats] Marois M, et al. C R Soc Biol (Paris) 166:772-4, 1972 (Fre)
[The effect of nibufin on reproductive function and the contraceptive effect of hormonal preparations] Poskalenko AN, et al. Farmakol Toksikol 35:638-40, Sep-Oct 72 (Rus)

FEMINIZATION

FAMILIAL & GENETIC

Gender dimorphic behavior and fetal sex hormones. Money J, et al. Recent Prog Horm Res 28:735-63, 1972

OVULATION

Serum follicle stimulating hormone and luteinizing hormone levels in women of various endocrinological states. Seki K. Acta Obstet Gynaecol Jap 19:25-32, Jan 72
Effect of breast-feeding on postpartum menstruation, ovulation, and pregnancy in Alaskan Eskimos. Berman ML, et al. Am J Obstet Gynecol 114:524-34, 15 Oct 72
Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles. Dupon C, et al. Am J Obstet Gynecol 115:478-83, 15 Feb 73
Follicular development and ovulation in Macaca fascicularis, Saimiri sciureus and Galago senegalensis. Dukelow WR, et al. Am J Phys Anthropol 38:207-9, Mar 73
Method of endoscopy in the chimpanzee: relations of ovarian anatomy, endometrial histology and sexual swelling. Graham CE, et al. Am J Phys Anthropol 38:211-5, Mar 73
Detecting ovulation in Macaca nemestrina by correlation of vaginal cytology, body temperature and perineal tumescence with laparoscopy. White RJ, et al. Am J Phys Anthropol 38:189-94, Mar 73
The long-term effects of unilateral ovariectomy of the cycling hamster and rat. Chatterjee A, et al. Biol Reprod 7:238-46, Oct 72
Time of ovulation in the beagle bitch. Phemister RD, et al. Biol Reprod 8:74-82, Feb 73
The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. Br Poult Sci 14:121-5, Jan 73
Mammalian luteinizing hormone-releasing hormone induces ovulation in the domestic fowl. Van Tienhoven A, et al. Gen Comp Endocrinol 19:594-5, Dec 72
Effect of feed level and parity on ovulation rate in three genetic groups of swine. Clark JR, et al. J Anim Sci 35:1216-22, Dec 72
Influence of nutrition on ovulation and fertilization in the Rambouillet ewe. Lamond DR, et al. J Anim Sci 36:363-7, Feb 73
An explanation for the absence of post-parturient ovulation in the ewe. Chamley WA, et al. J Reprod Fertil 32:334-5, Feb 73
The hormonal control of ovulation in the laying hem. Furr BJ, et al. J Reprod Fertil 31:495-6, Dec 72
Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. Hunter RH, et al. J Reprod Fertil 31:499-501, Dec 72
Role of the limbic-hypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats. Kawakami M, et al. Med J Osaka Univ 23:57-75, Sep 72
Calcium metabolism in the laying hen. 3. Pattern of feed (calcium) intake as influenced by time of day and oviposition. Roland DA Sr, et al. Poult Sci 51:1388-91, Jul 72
Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat. Ellendorff F, et al. Proc Soc Exp Biol Med 142:417-20, Feb 73
[Origin, variations and physiological role of steroid hormones during the menstrual cycle] Bercovici JP. Nouv Presse Med 2:103-9, 13 Jan 73 (Eng. Abstr.) (Fre)

DRUG EFFECTS

Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Ying SY, et al. Acta Endocrinol (Kbh) 72:161-72, Jan 73
Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle. Johansson ED. Acta Obstet Gynecol Scand 52:37-40, 1973
Hormonal factors in human ovulation. Taymor ML, et al. Am J Obstet Gynecol 114:445-53, 15 Oct 72
Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-6, 15 Mar 73
Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Schwartz NB, et al. Endocrinology 92:1165-74, Apr 73
Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72
Effects of superovulation and unilateral ovariectomy-hysterectomy on porcine uterine protein secretions. Knight JW, et al. J Anim Sci 36:61-5, Jan 73
Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. J Dairy Sci 56:261-3, Feb 73
Gonadal hormones and the control of ovulation in the guinea-pig. Donovan BT, et al. J Endocrinol 55:599-607, Dec 72
Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. Uilenbroek JT, et al. J Endocrinol 55:533-41, Dec 72
Oestradiol-17 and progesterone after induction of superovulation by PMSG in cattle. Lemon M, et al. J Reprod Fertil 31:501-2, Dec 72
The induction of ovulation with FSH and HCG. Ansbacher R. Milit Med 138:149-51, Mar 73
The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 108:9-18, Sep 72
[Synergic effect of copper and zinc ions on ovulation in rabbits] Marois M, et al. C R Soc Biol (Paris) 166:535-8, 1972 (Fre)
[Physiopathological study of the diencephalon and hypothalamus of anovulatory patients; radioimmunoassay of daily changes in serum FSH and LH] Minagawa J, et al. Folia Endocrinol Jap 48:396-407, 20 Sep 72 (Eng. Abstr.) (Jap)
[Inhibition of ovulation induced by gonadotropins, from the standpoint of the hormone gene thesis] Ozaki M, et al. Folia Endocrinol Jap 48:422-31, 20 Sep 72 (Eng. Abstr.) (Jap)

PUBERTY

Studies in congenital generalized lipodystrophy. II. The effect of patients' plasma on glycogen synthesis in rat

diaphragm and adipose tissue in vivo. Sovik O, et al. **Acta Endocrinol (Kbh) 72:495-505, Mar 73**

Massive virginal breast hypertrophy at puberty. Hollingsworth DR, et al. **Am J Dis Child 125:293-5, Feb 73**

Estrogen treatment of tall girls. Schoen EJ, et al. **Am J Dis Child 125:71-4, Jan 73**

Analysis of Rhesus monkey vocalizations: maturation-related sex differences in clear-cell frequency. Erwin J, et al. **Am J Phys Anthropol 38:463-7, Mar 73**

Hyperkinetic children and the Staccato Syndrome. Tec L. **Am J Psychiatry 130:330, Mar 73**

Does control influence the growth of diabetic children? Jivani SK, et al. **Arch Dis Child 48:109-15, Feb 73**

Early reproductive failure in ewes in a tropical environment. Entwistle KW. **Aust Vet J 48:395-401, Jul 72**

Congenital macular urticaria pigmentosa complicated by massive nodular mastocytosis with systemic involvement. Bakos L, et al. **Br J Dermatol 87:635-41, Dec 72**

"Seborrhoeic dermatitis". **Br Med J 1:436-7, 24 Feb 73**

Changes in volume and incorporation of (35 S)- or (3 H)-methionine in the amygdala before and after puberty in male and and female mice. MacKinnon PC. **Brain Res 50:115-23, 14 Feb 73**

Recording adolescent physical changes: Tanner's system. **Del Med J 45:84-8, Mar 73**

Probable role of androgen in the regulation of the uropygial gland. Maiti BR, et al. **Gen Comp Endocrinol 19:527-35, Dec 72**

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al. **J Clin Endocrinol Metab 36:661-5, Apr 73**

Challenging aspects of adolescent medicine. Montana E. **J Med Assoc Ga 62:32-7, Feb 73**

The histological appearance of the human pineal gland from puberty to old age. Tapp E, et al. **J Pathol 108:137-44, Oct 72**

Genetic differences in plasma luteinizing hormone of the prepubertal lamb. Bindon BM. **J Reprod Fertil 32:347-8, Feb 73**

Zinc deficiency in man. **Lancet 1:299-300, 10 Feb 73**

Practical aspects of adolescent growth and development. Daniel WA Jr. **Minn Med 56:99-100, Feb 73**

A prospective study on chronic respiratory disease in children. I. Aim and methods, results of the first year. Kerrebijn KF, et al. **Scand J Respir Dis 54:3-15, 1973**

Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation. Gupta D, et al. **Steroids 21:17-26, Jan 73**

The undescended testis. Levin A, et al. **Surg Gynecol Obstet 136:473-9, Mar 73**

[Computer science and psoriasis] De la Erassinne M, et al. **Arch Belg Dermatol Syphiligr 28:121-9, Apr-Jun 72 (Eng. Abstr.) (Fre)**

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al. **C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)**

[The menorrhagia of puberty] Gaudefroy M. **J Sci Med Lille 90:411-3, Nov 72 (Fre)**

[Qualitative and quantitative investigations on spontaneously dystopic rat testicles] Krause HH. **Andrologie 4:45-54, 1972 (Eng. Abstr.) (Ger)**

[Gonosome complement and growth disorders in gonadal dysgenesis with female phenotype] Genkova P, et al. **Endokrinologie 60:194-204, 1972 (Eng. Abstr.) (Ger)**

[Age- and sex-dependent changes in glandular cells. I. Histological and chemical investigations on the glandula lacrimalis, glandula orbitalis externa and glandula infraorbitalis of the rat] Paulini K, et al. **Gerontologia 18:131-46, 1972 (Eng. Abstr.) (Ger)**

[Development of physical maturity in girls of school-leaving age] Schramm K. **Oeff Gesundheitswes 34:611-5, Oct 72 (Eng. Abstr.) (Ger)**

[Development of the understanding of dichotic speech] Schlöndorff G, et al. **Z Laryngol Rhinol Otol 52:28-31, Jan 73 (Eng. Abstr.) (Ger)**

DRUG EFFECTS

Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Boris A, et al. **Contraception 5:489-95, Jun 72**

[Cyclofenil in gynecologic practice] Soutoul JH, et al. **Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)**

SEX CHROMATIN

Morphologically distinctive X chromosome in the female chromosome complement of the rabbit. Martin-DeLeon PA. **Can J Genet Cytol 15:817-21, Dec 72**

Sex ratio among human embryos and newborns in a Russian population. Bochkov NP, et al. **Humangenetik 17:91-8, 1973**

A casuistic contribution to the XX male problem. Sperling K, et al. **Humangenetik 17:145-54, 1973**

Turner's syndrome: report of a case. White BJ. **J Am Osteopath Assoc 72:490-3, Jan 73**

Mosaic 47(female)XX(X-p) and the Lyon hypothesis. Bohorfoush JG, et al. **J Hered 63:381-3, Nov-Dec 72**

Microscopic testicular teratoma with chorionepitheliomatous metastases. Salm R. **J Pathol 108:91-4, Sep 72**

Effect of exogenous estrogen and progesterone upon sex chromatin frequency. Becker KL, et al. **J Urol 109:79-81, Jan 73**

Y-chromatin in aged males. Iinuma K, et al. **Jap J Hum Genet 17:57-61, Sep 72**

Screening for malignancy of the cervix. Atkin NB. **Lancet 1:315, 10 Feb 73**

Fluorescence of Barr body in human amniotic-fluid cells. Iinuma K, et al. **Lancet 1:436-7, 24 Feb 73**

Paternal transmission of maleness in XX human beings. Kasdan R, et al. **N Engl J Med 288:539-45, 15 Mar 73**

Inactivation system of the mammalian X chromosome. Brown SW, et al. **Proc Natl Acad Sci USA 70:195-9, Jan 73**

Fluorescent male sex chromatin in white blood cells. Hale MT, et al. **South Med J 66:340-4, Mar 73**

[Human amniotic cells: study of X and Y sex chromatins] Deminatti M, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:594-5, Sep 72 (Fre)**

[Relationship between erythrocyte glucose-6-phosphate dehydrogenase and sex chromatin in female newborn infants on the 1st day of life] Csaba I, et al. **Orv Hetil 114:430-1, 25 Feb 73 (Hun)**

[Sex chromosomal abnormalities in testicular disorders with special reference to male sterility] Kumamoto Y, et al. **Jap J Clin Med 30:2262-8, Nov 72 (Jap)**

ANALYSIS

DNA content and chromatin pattern analysis on cervical carcinoma in situ. Sprenger E, et al. **Acta Cytol (Baltimore) 17:27-31, Jan-Feb 73**

Sex chromosome aberrations in childhood. II. 45,X and 45,X-mosaics. Kiss P, et al. **Acta Paediatr Acad Sci Hung 13:1-17, 1972**

Identification of fluorescent Barr bodies in paraffin-embedded embryonic tissues. László J, et al. **Lancet 1:488, 3 Mar 73**

The missing Y chromosome and human leukaemia. Vass L, et al. **Lancet 1:550-1, 10 Mar 73**

[Cytogenetics in obstetrical and gynecological practice] Gardó S, et al. **Zentralbl Gynaekol 95:209-16, 16 Feb 73 (Ger)**

[Routine determination of Y body in oral epithelium] Romer BA, et al. **Pol Tyg Lek 27:2052-4, 25 Dec 72 (Eng. Abstr.) (Pol)**

[Tetrasomy X (karyotype 48, XXXX) in a 2 and one-half year old girl] Izakovič V, et al. **Cesk Pediatr 28:77-9, Feb 73 (Eng. Abstr.) (Slo)**

SEX CHROMOSOMES

Further evidence of sex-linked major-gene influence on human spatial visualizing ability. Bock RD, et al. **Am J Hum Genet 25:1-14, Jan 73**

Polymorphism of human C-band heterochromatin. I. Frequency of variants. Craig-Holmes AP, et al. **Am J Hum Genet 25:181-92, Mar 73**

Family studies of a Lesch-Nyhan patient from an isolated Canadian community. Itiaba K, et al. **Am J Hum Genet 25:134-40, Mar 73**

Vitamin D-resistant rickets and hemophilia A--lack of

close linkage on the X chromosome. Welt SI, et al. **Am J Hum Genet 25:105-7, Jan 73**

Prenatal sex determination by fluorescent staining of the cervical smear for the presence of a Y chromosome: an evaluation. Goldstein AI, et al. **Am J Obstet Gynecol 115:866, 15 Mar 73**

Trophoblastic origin of the X cell and the placental site giant cell. Khudr G, et al. **Am J Obstet Gynecol 115:530-3, 15 Feb 73**

Germ cell chimerism in male marmosets. Hampton SH. **Am J Phys Anthropol 38:265-8, Mar 73**

Nature of white heifer disease (partial genital aplasia) and its mode of inheritance. Bennett RC, et al. **Am J Vet Res 34:13-9, Jan 73**

Possible hereditary factors in minimal brain dysfunction. Vandenberg SG. **Ann NY Acad Sci 205:223-30, 28 Feb 73 (29 ref.)**

Pathology of hereditary juvenile retinoschisis. Manschot WA. **Arch Ophthalmol 88:131-8, Aug 72**

Inherited degenerative arthropathy of the hip in young beef bulls. Howlett CR. **Aust Vet J 48:562-3, Oct 72**

Expression and linkage of genes for X-linked hemophilias A and B in the dog. Brinkhous KM, et al. **Blood 41:577-85, Apr 73**

Two cases of endocardial fibroelastosis--possible x-linked determination. Lindenbaum RH, et al. **Br Heart J 35:38-40, Jan 73**

Anderson-Fabry disease. Wallace HJ. **Br J Dermatol 88:1-23, Jan 73**

Low chromosome number and post-reductional XO in Gelus californicus (LEC.) (Coleoptera: Curculionidae). Ennis TJ. **Can J Genet Cytol 15:851-7, Dec 72**

Polymorphism and quinacrine fluorescence karyotypes of red foxes (Vulpes vulpes). Lin CC, et al. **Can J Genet Cytol 14:573-80, Sep 72**

Morphologically distinctive X chromosome in the female chromosome complement of the rabbit. Martin-DeLeon PA. **Can J Genet Cytol 15:817-21, Dec 72**

Cellular distribution and possible mechanism of sex-differentiation in XX-XY chimeric mice. Milet RG, et al. **Can J Genet Cytol 15:933-41, Dec 72**

Interpretation of sex chromosomal RNA synthesis in the opossum, Didelphis virginiana. Schneider LK. **Can J Genet Cytol 15:905-9, Dec 72**

Karyotypic variation within the genus Leiopelma (Amphibia: Anura). Stephenson EM, et al. **Can J Genet Cytol 14:691-702, Sep 72**

Karyological relationships in turtles (Reptilia: Chelonia). Stock AD. **Can J Genet Cytol 15:859-68, Dec 72**

Discrimination between groups of chromosomes and individual chromosomes in the normal human karyotype. Harris JE, et al. **Chromosoma 40:269-84, 1973**

Antigen-binding lymphocytes in children with immune deficiency. Dwyer JM, et al. **Clin Exp Immunol 12:161-9, Oct 72**

Chromosomes of Peromyscus (Rodentia, Cricetidae). 3. Polymorphism in Peromyscus maniculatus. Bradshaw WN, et al. **Cytogenetics 11:436-51, 1972**

Variability of sex-chromosome chimerism in cattle from heterosexual multiple births. Marcum JB, et al. **Cytogenetics 11:388-99, 1972**

Paris Conference (1971): Standardization in human cytogenetics. **Cytogenetics 11:317-62, 1972**

Chromosomal studies of three Malayan island rats. Hoi-Sen Y, et al. **Cytologia (Tokyo) 37:507-11, Sep 72**

Karyological analysis of African cane rat. Thryonomys swinderianus (Temm.). Marczynska B, et al. **Cytologia (Tokyo) 37:513-7, Sep 72**

Absence of fluorescent Y bodies in some malignant epithelial tumours in human males: preliminary results. Sellyei M, et al. **Eur J Cancer 8:557-9, Oct 72**

Helper activity of histocompatibility antigens on cell-mediated immunity. Di Marco AT, et al. **Eur J Immunol 2:240-2, Jun 72**

Fluorescence and Giemsa banding studies of the allocyclic X chromosome in embryonic and adult mouse cells. Takagi N, et al. **Exp Cell Res 78:127-35, 30 Mar 73**

Advances in male reproductive physiology. Mann T. **Fertil Steril 23:699-707, Oct 72 (30 ref.)**

The relative influence of sex of progeny on the lethal expression of the sonless gene in Drosophila melanogaster. Colaianne JJ, et al. **Genetics 72:293-6, Oct 72**

Recombination and DNA replication in the Drosophila melanogaster oocyte. Grell RF. **Genetics 73:87-108, Jan 73**

Banding patterns of Chinese hamster chromosomes. Kakati S, et al. **Genetics 72:357-62, Oct 72**

A note on the maternal effect mutants daughterless and abnormal oocyte in Drosophila melanogaster. Mange AP, et al. **Genetics 73:73-86, Jan 73**

Lethality patterns and morphology of selected lethal and semi-lethal mutations in the zeste-white region of Drosophila melanogaster. Shannon MP, et al. **Genetics 72:615-38, Dec 72**

Dosage of the maternal effect gene associated with the tumorous-head abnormality in Drosophila melanogaster. Siervogel RM. **Genetics 72:377-80, Oct 72**

The effect of oxygen on the frequency of somatic recombination in Drosophila melanogaster. Stauffer HH. **Genetics 72:277-91, Oct 72**

Regulation of ribosomal RNA gene multiplicity in Drosophila melanogaster. Tartof KD. **Genetics 73:57-71, Jan 73**

Sex chromosome translocations in the evolution of reproductive isolation. Tracey ML. **Genetics 72:317-33, Oct 72**

Regulation of ribosomal RNA and 5s RNA synthesis in Drosophila melanogaster. I. Bobbed mutants. Weinmann R. **Genetics 72:267-76, Oct 72**

Effects of disruptive selection. X. Selective migration. Gibson JB, et al. **Heredity (Lond) 30:27-32, Feb 73**

Sex-linkage and sex-limitation in quantitative inheritance. II. Diallel crosses. Killick RJ. **Heredity (Lond) 30:41-51, Feb 73**

The influence of inactive chromosomes on human development. Anomalous sex chromosome complements and the phenotype. Barlow P. **Humangenetik 17:105-36, 1973**

On the Y fluorescence in human male fibroblasts. Cramer H, et al. **Humangenetik 17:23-8, 1972**

The spontaneous azaguanine-resistant mutants of diploid human fibroblasts. DeMars R, et al. **Humangenetik 16:87-110, 1972**

Observations in human spermatozoa by fluorescent "Acranil" staining. A preliminary report. Moscetti G, et al. **Humangenetik 17:75-7, 1972**

Diabetes mellitus in patients with aneuploid chromosome aberrations and in their parents. Nielsen J. **Humangenetik 16:165-70, 1972**

Chromosomal aneuploidy in human spermatozoa. Pawlowitzki IH, et al. **Humangenetik 16:119-22, 1972**

Comparison of point mutation rates in different species with human mutation rates. Propping P. **Humangenetik 16:43-8, 1972**

Frequency of spontaneous chromosome mutations in spermatogenesis of mice. Schielermacher E. **Humangenetik 16:115-8, 1972**

A casuistic contribution to the XX male problem. Sperling K, et al. **Humangenetik 17:145-54, 1973**

Studies on nucleolar RNA synthesis in Drosophila melanogaster. II. The influence of conditions resulting in a bobbed phenotype on rate of synthesis and secondary constriction formation. Krider HM, et al. **J Cell Sci 11:689-97, Nov 72**

Studies on nucleolar RNA synthesis in Drosophila melanogaster. I. The relationship between number of nucleolar organizers and rate of synthesis. Krider HM, et al. **J Cell Sci 11:675-87, Nov 72**

Use of chimeras to transmit lethal genes in the mouse and to demonstrate allelism of the two X-linked male lethal genes jp and msd. Eicher EM, et al. **J Exp Zool 183:181-4, Feb 73**

Mosaic 47(female)XX(X-p) and the Lyon hypothesis. Bohorfoush JG, et al. **J Hered 63:381-3, Nov-Dec 72**

Chromosomal studies in the squirrel monkey. Singh DN, et al. **J Hered 63:379-81, Nov-Dec 72**

X-linked transmission of manic-depressive illness. Green R, et al. **JAMA 223:1289, 12 Mar 73**

Y-chromatin in aged males. Iinuma K, et al. **Jap J Hum Genet 17:57-61, Sep 72**

X-linked transmission of structural gene mutations responsible for ornithine-transcarbamylase deficiencies. Cathelineau L, et al. **Lancet 1:261-2, 3 Feb 73**

Phenytoin-associated congenital defects with Y-chromosome variant. Lewin PK. **Lancet 1:559, 10 Mar 73**

Fertility and 13-14 translocation. Palmer CG, et al. **Lancet 1:728, 31 Mar 73**

Non-fluorescent Y chromosome. Schwinger E. **Lancet 1:437, 24 Feb 73**

X deletion and primary amenorrboea. Stoll C, et al. **Lancet 1:436, 24 Feb 73**

Tbe missing Y chromosome and human leukaemia. Vass L, et al. **Lancet 1:550-1, 10 Mar 73**

Gender differences. **Lancet 1:411-2, 24 Feb 73**

XYY males in Victoria: two further examples. Bartholomew AA, et al. **Med J Aust 2:908, 14 Oct 72**

Results of 538 chromosome studies on patients referred for cytogenetic analysis. Mulcahy MT, et al. **Med J Aust 2:1333-8, 9 Dec 72**

Tbe genetic control of fumarate bydratase (fumarase) in Drosophila melanogaster. Madhavan K, et al. **Mol Gen Genet 120:379-80, 1973**

Modification of radiation-induced genetic damage in the male germ cells of Drosophila melanogaster with pyrimidine nucleosides and their halogenated analogues: effects on tbe F 1 generation. Rajaraman R, et al. **Mutat Res 17:395-401, Mar 73**

Two genetic variants of von Willebrand's disease. Holmberg L, et al. **N Engl J Med 288:595-8, 22 Mar 73**

Sex-determining genes and the Y-chromosome. Milunsky A. **N Engl J Med 288:577-8, 15 Mar 73**

Mapping of behaviour in Drosophila mosaics. Hotta Y, et al. **Nature (Lond) 240:527-35, 29 Dec 72**

Abnormal sex determination and differentiation in man. Boczkowski K. **Obstet Gynecol 41:310-4, Feb 73**

Chromosomal control of mating activity in Drosophila pseudoobscura. Sberwin RN, et al. **Proc Natl Acad Sci USA 70:459-61, Feb 73**

Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient witb XO-XY mixed gonadal dysgenesis. Goldner F, et al. **South Med J 66:129-34, Jan 73**

True haemophilia in horses. Archer RK, et al. **Vet Rec 91:655-6, 23 Dec 72**

Y-body in cell nuclei of parenchymatous organs. Kovács M, et al. **Z Rechtsmed 71:104-7, 28 Nov 72**

[Ovarian dysgenesis in cbromosomal and pbenotypically normal women] Bock JE. **Ugeskr Laeger 135:14-5, 1 Jan 73 (Eng. Abstr.) (Dan)**

[Turner phenotype in males] Nielsen J, et al. **Ugeskr Laeger 135:122-4, 15 Jan 73 (Eng. Abstr.) (Dan)**

[Value of fluorescence for the identification of human chromosomes] Giraud F, et al. **Arch Fr Pediatr 29:457-67, May 72 (Eng. Abstr.) (Fre)**

[Identification of the X cbromosome for tbe quantitative study of myeloperoxidase] Crozdea J, et al. **Nouv Presse Med 1:3132, 23 Dec 72 (Fre)**

[Cboroideremia and genetic counseling] Krüger KE, et al. **Acta Ophthalmol (Kbh) 50:782-92, 1972 (Ger)**

[Aberrations of the Y-chromosome in buman spermatozoa] Pawlowitzki IH, et al. **Andrologie 4:115-26, 1972 (Eng. Abstr.) (Ger)**

[Human genetics of atopic neurodermatitis] Schnyder UW. **Arch Dermatol Forsch 244:347-50, 1972 (Ger)**

[Demonstrability of cbromosome lesions due to cytostatic agents in man] Sperling K, et al. **Arch Dermatol Forsch 244:430-4, 1972 (Ger)**

[Ultrastructure of buman metaphase chromosomes] Ruzicka F. **Humangenetik 17:137-44, 1973 (Eng. Abstr.) (Ger)**

[Identification of Y body in cells of Wharton's jelly] Limon J, et al. **Pol Tyg Lek 28:7-9, 1 Jan 73 (Eng. Abstr.) (Pol)**

[Routine determination of Y body in oral epitbelium] Romer BA, et al. **Pol Tyg Lek 27:2052-4, 25 Dec 72 (Eng. Abstr.) (Pol)**

[Structure of sexual gland rudiments in gonadal dysgenesis and problem of the classification of these disorders of tbe sexual system] Bresler VM. **Arkh Patol 35:66-72, 1973 (Eng. Abstr.) (Rus)**

[Differential spiralization of chromosomes in Macaca mulatta monkeys and criteria for metaphase selection for morphometric analysis] Krumin' AR. **Tsitologiia 15:36-44, Jan 73 (Eng. Abstr.) (Rus)**

ANALYSIS

Mouse cbromosomes identified by trypsin-Giemsa (T-G) banding. Wurster DH. **Cytogenetics 11:379-87, 1972**

DNA content and DNA-based centromeric index of tbe 24 human cbromosomes. Mendelsohn ML, et al. **Science 179:1126-9, 16 Mar 73**

[Gonosome complement and growth disorders in gonadal dysgenesis with female phenotype] Genkova P, et al. **Endokrinologie 60:194-204, 1972 (Eng. Abstr.) (Ger)**

[Medical problems during the Olympic Games] Heiss F. **Z Allgemeinmed 48:1550-2, 30 Nov 72 (Ger)**

IMMUNOLOGY

[Anti-chromosomal antibodies in systemic lupus erythematosus] Blažek J, et al. **Cesk Patol 8:215-9, Nov 72 (Eng. Abstr.) (Cze)**

PHYSIOLOGY

Inactivation system of the mammalian X chromosome. Brown SW, et al. **Proc Natl Acad Sci USA 70:195-9, Jan 73**

SEX DETERMINATION

A study of sex-determined characteristics of the hip bones in pathologically deformed female pelves using the method of Sauter and Privat. Jovanović S, et al. **Acta Anat (Basel) 84:62-70, 1973**

Prenatal sex determination by fluorescent staining of tbe cervical smear for the presence of a Y chromosome: an evaluation. Goldstein AI, et al. **Am J Obstet Gynecol 115:866, 15 Mar 73**

Cellular distribution and possible mechanism of sex-differentiation in XX-XY chimeric mice. Milet RG, et al. **Can J Genet Cytol 15:933-41, Dec 72**

Sexing of A. trestis. Bergin WN. **Hawaii Med J 31:466-7, Nov-Dec 72**

A casuistic contribution to the XX male problem. Sperling K, et al. **Humangenetik 17:145-54, 1973**

Speculative mechanisms affecting sex ratio. Scbuster DH, et al. **J Genet Psychol 121:245-54, Dec 72**

Fluorescence of Barr body in human amniotic-fluid cells. Iinuma K, et al. **Lancet 1:436-7, 24 Feb 73**

Non-fluorescent Y chromosome. Schwinger E. **Lancet 1:437, 24 Feb 73**

Screening for chromosomal abnormalities. **Lancet 1:542-3, 10 Mar 73**

Ambiguous genitalia. **Med Lett Drugs Ther 14:20, 17 Mar 72**

Diagnostic amniocentesis. **Med Lett Drugs Ther 14:53-4, 21 Jul 72**

Paternal transmission of maleness in XX buman beings. Kasdan R, et al. **N Engl J Med 288:539-45, 15 Mar 73**

Sex-determining genes and the Y-chromosome. Milunsky A. **N Engl J Med 288:577-8, 15 Mar 73**

Abnormal sex determination and differentiation in man. Boczkowski K. **Obstet Gynecol 41:310-4, Feb 73**

Determinants of sexual behaviour in the assessment of sexual deviations. Meller J. **S Afr Med J 46:2013-6, 23 Dec 72 (24 ref.)**

Y-body in cell nuclei of parenchymatous organs. Kovács M, et al. **Z Rechtsmed 71:104-7, 28 Nov 72**

[Molecular basis of pathology. General conclusions] Schapira G. **Biochimie 54:803-6, 1972 (Fre)**

[Human amniotic cells: study of X and Y sex chromatins] Deminatti M, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:594-5, Sep 72 (Fre)**

[Differentiation of maternal and fetal blood in vaginal bemorrhage] Schwinger E. **Dtsch Med Wochenschr 98:227-8, 2 Feb 73 (Ger)**

[Indications for prenatal cytogenetic examination] Papp Z, et al. **Wien Klin Wochenschr 85:107-10, 16 Feb 73 (Eng. Abstr.) (Ger)**

[Medical problems during the Olympic Games] Heiss F. **Z Allgemeinmed 48:1550-2, 30 Nov 72 (Ger)**

[Diagnosis and treatment of testicular dysgenesis] Golubeva IV. **Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Eng. Abstr.) (Rus)**

SEX REVERSAL, GONADAL

Effect of thyroid function on sex transformation in frog tadpoles. Yü NW, et al. **Gen Comp Endocrinol 19:536-42, Dec 72**

Determinants of sexual behaviour in tbe assessment of sexual deviations. Meller J. **S Afr Med J 46:2013-6, 23 Dec 72 (24 ref.)**

[Studies on metabolism of steroid bormones in vertebrates. X. Metabolism of (4- 14C)estrone in liver slices of normal and of sex-converted African water frogs (Xenopus laevis)] Breuer J, et al. **Hoppe Seylers Z Physiol Chem 353:1915-21, Dec 72 (Eng. Abstr.) (Ger)**

[Studies on tbe metabolism of steroid hormones in vertebrates. IX. The metabolism of (4- 14 C)testosterone in tbe liver of tbe African water frog (Xenopus laevis)] Lisboa BP, et al. **Hoppe Seylers Z Physiol Chem 353:1907-14, Dec 72 (Eng. Abstr.) (Ger)**

I. *Physical and Functional Aspects*

PLACENTA

ANALYSIS

Human placenta aryisulphatase B purification and separation into subfractions. Gniot-Szulżycka J. **Acta Biochim Pol** 19:181-90, 1972

Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al. **Biochem Biophys Res Commun** 50:71-9, 4 Jan 73

Placental transfer of iron in the sow (Sus domesticus). Douglas TA, et al. **Comp Biochem Physiol [A]** 43:665-71, 1 Nov 72

Immunological studies on the organ and species specificity of ferritin from horse, rabbit and pig. Marsden RJ, et al. **Comp Biochem Physiol [B]** 43:217-21, 15 Sep 72

Passage of penicillins from mother to foetus in humans. Elek E, et al. **Int J Clin Pharmacol** 6:223-8, Aug 72

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM. **Mayo Clin Proc** 47:913-8, Dec 72 (31 ref.)

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids** 21:233-44, Feb 73

Localisation and synthesis of -fetoprotein in the rabbit. Branch WR, et al. **Z Zellforsch Mikrosk Anat** 135:501-16, 1972

[Distribution and kinetics of nitrofurantoin in early pregnancy] Amon K, et al. **Int J Clin Pharmacol** 6:218-22, Aug 72 (Eng. Abstr.) **(Ger)**

[Determination of free radicals in the placenta by the method of electron paramagnetic resonance and their relation to enzymes of the oxidation-reduction group] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 48:50-3, Nov 72 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Human placenta aryisulphatase B purification and separation into subfractions. Gniot-Szulżycka J. **Acta Biochim Pol** 19:181-90, 1972

Variability of -galactosidase A and B in different tissues of man. Beutler E, et al. **Am J Hum Genet** 25:42-6, Jan 73

Mechanism of aromatic nitro group reduction in the soluble fraction of human placenta. Symms KG, et al. **Biochem Pharmacol** 21:2519-27, 15 Sep 72

Carbohydrate content and glycogenolytic activity in human placenta and fetal heart and lung. Gennser G, et al. **Biol Neonate** 21:148-60, 1972

A new method of radioimmunoassay for human placental alkaline phosphatase. Iino S, et al. **Clin Chim Acta** 42:161-5, Nov 72

Immunochemical similarities between major and minor components of human placental alkaline phosphatase. Moss DW. **Clin Chim Acta** 43:447-9, 12 Feb 73

Polymorphism of mitochondrial glutamic oxalo-acetic transaminase in a German population. Ananthakrishnan R, et al. **Humangenetik** 17:89-90, 1972

Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia. Fliegner JR, et al. **J Obstet Gynaecol Br Commonw** 79:810-5, Sep 72

The effect of pulsed and continuous wave ultrasound on the enzyme histochemistry of placental tissue in vitro. Robinson HP, et al. **J Obstet Gynaecol Br Commonw** 79:821-7, Sep 72

Enzymes of intermediary metabolism in the fetal fluids of the tammar wallaby, Macropus eugenii. Renfree MB. **J Reprod Fertil** 32:330-1, Feb 73

Inhibition of glucose-6-phosphate dehydrogenase by steroids. Benes P, et al. **J Steroid Biochem** 3:799-801, Sep 72

The metabolism and placental transfer of isocarboxazid in pregnant rats. Sato T, et al. **Jap J Pharmacol** 22:629-33, Oct 72

Human amniotic fluid isoamylases. Functional development of fetal pancreas and salivary glands. Wolf RO, et al. **Obstet Gynecol** 41:337-42, Mar 73

Sources of blood glucose in the rat fetus. Bossi E, et al. **Pediatr Res** 6:765-72, Oct 72

The effect of circulatory disturbance on placental alkaline phosphatase in rats. Aoba H, et al. **Tohoku J Exp Med** 108:19-23, Sep 72

Albumin preparations and placental alkaline phosphatase activity. Okuno T, et al. **Transfusion** 13:19-22, Jan-Feb 73

Characterization of serum alkaline phosphatase in infancy and childhood. Cao A, et al. **Z Kinderheilkd** 113:289-96, 1972

[Lipoprotein lipase in human placenta] Matrova Ts, et al. **Akush Ginekol (Sofiia)** 11:114-7, 1972 (Eng. Abstr.) **(Bul)**

[Human placenta cells maintained in culture. Cytological and cytochemical studies and hormonal activity] Lascar G. **J Gynecol Obstet Biol Reprod (Paris)** 1:509-26, Sep 72 (Eng. Abstr.) **(Fre)**

[Study of methyl-3-cholanthrene metabolism in pregnant mice and fetuses, and in placenta] Guibbert D, et al. **Therapie** 27:907-18, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Metabolism of carcinogenic hydrocarbons] Kuroki T, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 17:927-41, Dec 72 (132 ref.) **(Jap)**

METABOLISM

Quantitative assessment of the principal steroids formed by human placentas perfused with labelled cholesterol in vitro. Telegdy G, et al. **Acta Endocrinol (Kbh)** 72:127-36, Jan 73

The transfer of diazepam across the placenta during labour. Erkkola R, et al. **Acta Obstet Gynecol Scand** 52:167-70, 1973

Infusion of morphine in maternal rats at near-term: maternal and foetal distribution and effects on analgesia, brain DNA, RNA and protein. Jóhannesson T, et al. **Acta Pharmacol Toxicol (Kbh)** 31:353-68, 1972

The effects of hypoxia on placental glycogen metabolism. Gebbe SG, et al. **Am J Obstet Gynecol** 114:540-5, 15 Oct 72

Placental transfer of meperidine HCl. II. Shier RW, et al. **Am J Obstet Gynecol** 115:556-9, 15 Feb 73

Placental amino acid uptake: tissue preparation, kinetics, and preincubation effect. Smith CH, et al. **Am J Physiol** 224:558-64, Mar 73

Transplacental passage of demeton in CF-1 mice. Budreau CH, et al. **Arch Environ Health** 26:161-3, Mar 73

Isolation and preliminary characterization of corticosterone-receptor complexes in mouse

PLACENTA

placental tissue. Wong MD, et al.
Biochem Biophys Res Commun 50:71-9, 4 Jan 73

Inhibition studies on the aromatization of androst-4-ene-3,17-dione by human placental microsomal preparations. Chakraborty J, et al.
Biochem J 130:19P-20P, Nov 72

Mechanism of aromatic nitro group reduction in the soluble fraction of human placenta. Symms KG, et al.
Biochem Pharmacol 21:2519-27, 15 Sep 72

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkie DM, et al. **Biol Reprod** 8:48-57, Feb 73

Developmental pattern of testosterone synthesis in the fetal gonad of the rabbit. Wilson JD, et al.
Endocrinology 92:1182-91, Apr 73

Transfer of metallic mercury into the foetus. Greenwood MR, et al. **Experientia** 28:1455-6, 15 Dec 72

Maturation of the human complement system. I. Onset time and sites of fetal C1q, C4, C3, and C5 synthesis. Kohler PF. **J Clin Invest** 52:671-7, Mar 73

Energy metabolism in isolated rat embryo hearts: effect of metabolic inhibitors. Cox SJ, et al.
J Embryol Exp Morphol 28:591-9, Dec 72

Effects of vascular insufficiency on placental ribonuclease activity in the rat. Velasco EG, et al.
J Nutr 103:213-7, Feb 73

Biosynthesis of progesterone from endogenous steroid precursor by the guinea-pig placenta. Pizlak VK, et al.
J Reprod Fertil 32:283-5, Feb 73

Corticosteroid metabolism in the human feto-placental unit in relation to gestational age. Smith ID, et al.
J Reprod Fertil 32:332-3, Feb 73

The metabolism and placental transfer of isocarboxazid in pregnant rats. Sato T, et al.
Jap J Pharmacol 22:629-33, Oct 72

Drug-metabolising enzymes in the human placenta, their induction and repression. Kyegombe D, et al.
Lancet 1:405-6, 24 Feb 73

Studies on the pharmacokinetics of bis-quaternary ammonium compounds. 3. Autoradiographic studies on the substituent-dependent distribution pattern of 3 H-hexamethonium-derivatives in mice. Wassermann O.
Naunyn Schmiedebergs Arch Pharmacol 275:251-61, 1972

Sources of blood glucose in the rat fetus. Bossi E, et al.
Pediatr Res 6:765-72, Oct 72

Placental transfer of iron in the guinea pig. Wong CT, et al. **Q J Exp Physiol** 58:47-58, Jan 73

The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue. Shinada T, et al. **Steroids** 21:233-44, Feb 73

Nutritional requirements of the embryo. Giroud A.
World Rev Nutr Diet 18:195-262, 1973 (355 ref.)

[Human placenta cells maintained in culture. Cytological and cytochemical studies and hormonal activity] Lascar G.
J Gynecol Obstet Biol Reprod (Paris) 1:509-26, Sep 72 (Eng. Abstr.) **(Fre)**

[Study of methyl-3-cholanthrene metabolism in pregnant mice and fetuses, and in placenta] Guibbert D, et al.
Therapie 27:907-18, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Studies on transplacental transport and metabolism of 3 H- and 14 C-labelled DDT in pregnant mice during starvation] Dedek W, et al.
Pharmazie 27:294-7, May 72 **(Ger)**

[Aromatizing properties of perfused human placenta in vitro in relation to different experimental conditions. IV. Effect of excess or deficiency of glucose in the perfusion fluid on the aromatizing properties of the placenta] Pajszczyk-Kieszkiewicz T.
Ginekol Pol 43:1381-92, 1972 (Eng. Abstr.) **(Pol)**

[Acid protein hydrolysate from waste placentary pulp after production of human gamma globulin] Chojnowski C, et al.
Med Dosw Mikrobiol 24:275-81, 1972 (Eng. Abstr.) **(Pol)**

[Indices of histamine and electrolyte metabolism in parturients] Rudyk IN.
Akush Ginekol (Mosk) 48:39-43, Nov 72 (Eng. Abstr.) **(Rus)**

[Pecularities of placental barrier permeability and distribution of ristomycin sulfate in the blood and organs of albino mice under conditions of sensitization with homoplacental protein] Buniatova IM. **Antibiotiki** 17:634-8, Jul 72 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The transplacental potential difference in guinea-pigs. Stulc JJ, et al. **Biol Neonate** 21:130-47, 1972

Cystine aminopeptidase in normal and complicated pregnancies. Hurry DJ, et al.
J Obstet Gynaecol Br Commonw 79:788-93, Sep 72

Placental function in prostaglandin induced labour. Keller PJ, et al.
J Obstet Gynaecol Br Commonw 79:804-6, Sep 72

[Human placenta cells maintained in culture. Cytological and cytochemical studies and hormonal activity] Lascar G.
J Gynecol Obstet Biol Reprod (Paris) 1:509-26, Sep 72 (Eng. Abstr.) **(Fre)**

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) **(Jap)**

PHYSIOPATHOLOGY

Foam cells in the placenta in extreme hyperlipaemia. Rolschau J, et al.
Acta Pathol Microbiol Scand [A] 80:751-5, 1972

Puerperal dilatation of upper urinary tract in relation to the site of the placenta, parity and the birth weight of the infant. Kauppila A, et al.
Ann Chir Gynaecol Fenn 61:318-23, 1972

[Fetal follow up and placental function] Cohen DH.
Harefuah 83:208-10, 15 Sep 72 **(Heb)**

SECRETION

Plasma renin, renin substrate, angiotensin II, and aldosterone in hypertensive disease of pregnancy. Weir RJ, et al. **Lancet** 1:291-4, 10 Feb 73

11. Disorders of the Placenta

CHORIOADENOMA

DRUG THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73

THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73

CHORIOCARCINOMA

Primary choriocarcinoma of the kidney in a 49-year-old woman. Mihatsch MJ, et al. J Urol 108:537-9, Oct 72

BLOOD

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al.
J Clin Endocrinol Metab 36:697-701, Apr 73
[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

CEREBROSPINAL FLUID

Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972

CLASSIFICATION

[Choriepithelioma in a 61-year-old woman] Nette L, et al.
Schweiz Med Wochenschr 103:208-11, 10 Feb 73 (Ger)

COMPLICATIONS

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)
[Case associated with multiple pulmonary embolism containing extra-uterine choriepithelioma cells] Tachikawa S, et al.
Respir Circ (Tokyo) 21:169-72, Feb 73 (Eng. Abstr.) (Jap)

DIAGNOSIS

[Criteria for malignancy of chorionic tumor at the cellular level] Hata T, et al.
Jap J Clin Pathol 20:747-53, Oct 72 (Jap)

DRUG THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73
Remission of metastatic choriocarcinoma by methotrexate and 6-mercaptopurine; case report. Tortora M. Arch Ostet Ginecol 77:73-80, Apr 72
Antineoplastic and immunosuppressive drugs. II. Therapeutic uses. Cridland MD.
Drugs 3:331-51, 1972 (107 ref.)
Effects of methotrexate on established cell lines of human choriocarcinoma. Hussa RO, et al.
Eur J Cancer 8:523-9, Oct 72
Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972
[Primary choriepithelioma of the ovary. Therapeutic perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)
[Treatment of metastatic lung cancer] Watari T.
Jap J Clin Radiol 17:934-5, Nov 72 (Jap)

ETIOLOGY

Hydatidiform mole. Groen LH te.
S Afr Med J 47:376-7, 3 Mar 73

IMMUNOLOGY

Changes of immunologic competence of lymphocytes evaluated by phytohemagglutinin (PHA)-induced DNA synthesis related to pregnancy and gynecologic tumors. Takeuchi S, et al.
Acta Obstet Gynaecol Jap 19:59-63, Jan 72

METABOLISM

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al.
Am J Obstet Gynecol 115:447-50, 15 Feb 73
Effects of methotrexate on established cell lines of human choriocarcinoma. Hussa RO, et al.
Eur J Cancer 8:523-9, Oct 72
Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

OCCURRENCE

Testicular neoplasms in children. Boatman DL, et al.
J Urol 109:315-7, Feb 73

PATHOLOGY

Microscopic testicular teratoma with chorionepitheliomatous metastases. Salm R.
J Pathol 108:91-4, Sep 72
Testicular neoplasms in children. Boatman DL, et al.
J Urol 109:315-7, Feb 73
Primary choriocarcinoma of the kidney in a 49-year-old woman. Mihatsch MJ, et al. J Urol 108:537-9, Oct 72
Forty-seven year old woman with dyspnea and multiple nodules in the lung fields. Barlow JF, et al.
SD J Med 26:13-9, Jan 73
[Choriepithelioma in a 61-year-old woman] Nette L, et al.
Schweiz Med Wochenschr 103:208-11, 10 Feb 73 (Ger)
[Criteria for malignancy of chorionic tumor at the cellular level] Hata T, et al.
Jap J Clin Pathol 20:747-53, Oct 72 (Jap)
[Case associated with multiple pulmonary embolism containing extra-uterine choriepithelioma cells] Tachikawa S, et al.
Respir Circ (Tokyo) 21:169-72, Feb 73 (Eng. Abstr.) (Jap)

RADIOGRAPHY

Primary choriocarcinoma of the kidney in a 49-year-old woman. Mihatsch MJ, et al. J Urol 108:537-9, Oct 72

SURGERY

Testicular neoplasms in children. Boatman DL, et al.
J Urol 109:315-7, Feb 73
Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972
[Testicular tumors and their ectopic localization] Jayet A, et al. Helv Chir Acta 39:755-72, Dec 72 (Fre)
[Primary choriepithelioma of the ovary. Therapeutic

perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)

THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73
Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972
[Primary chorioepithelioma of the ovary. Therapeutic perspectives] Hervé R, et al.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)

URINE

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al.
J Clin Endocrinol Metab 36:697-701, Apr 73
Report on a new pregnancy test reagent--Pretel (Ames). Huston N. Med J Aust 2:1356-60, 9 Dec 72
Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972

HYDATIDIFORM MOLE

Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Wu FY.
Obstet Gynecol 41:200-4, Feb 73
Hydatidiform mole. Groen LH te.
S Afr Med J 47:376-7, 3 Mar 73

BLOOD

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)
Hydatidiform mole. Groen LH te.
S Afr Med J 47:376-7, 3 Mar 73
[Ultrasonic diagnostics of hydatidiform mole] Meyenberg H.
Med Klin 68:78-80, 19 Jan 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Diagnostic ultrasound in obstetrics and gynecology: experience on a large clinical service. Martin CB Jr, et al. Obstet Gynecol 41:379-86, Mar 73
[Ultrasonics in gynecologic diagnosis] Fuente P de la, et al.
Rev Fr Gynecol Obstet 68:43-51, Jan 73 (Eng. Abstr.) (Fre)
[The ultrasonic diagnosis of hydatidiform mole] Kratochwil A, et al.
Geburtshilfe Frauenheilkd 32:895-9, Oct 72 (Eng. Abstr.) (Ger)
[Ultrasonic diagnostics of hydatidiform mole] Meyenberg H.
Med Klin 68:78-80, 19 Jan 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73
Radioimmunoassay follow-up of a hydatidiform mole. Bagshawe KD. Br Med J 1:414, 17 Feb 73

ETIOLOGY

Hydatidiform mole. Groen LH te.
S Afr Med J 47:376-7, 3 Mar 73

FAMILIAL & GENETIC

Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Wu FY.
Obstet Gynecol 41:200-4, Feb 73

IMMUNOLOGY

Changes of immunologic competence of lymphocytes evaluated by phytohemagglutinin (PHA)-induced DNA synthesis related to pregnancy and gynecologic tumors. Takeuchi S, et al.
Acta Obstet Gynaecol Jap 19:59-63, Jan 72
Radioimmunoassay follow-up of a hydatidiform mole. Bagshawe KD. Br Med J 1:414, 17 Feb 73
[Cytotoxic anti-HL-A antibodies in a case of hydatid mole during 1st gestation] Turowski G, et al.
Ginekol Pol 44:169-71, Feb 73 (Eng. Abstr.) (Pol)

METABOLISM

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)
[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

PATHOLOGY

Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Wu FY.
Obstet Gynecol 41:200-4, Feb 73

RADIOGRAPHY

Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Wu FY.
Obstet Gynecol 41:200-4, Feb 73

SURGERY

Remission of metastatic choriocarcinoma by methotrexate and 6-mercaptopurine; case report. Tortora M. Arch Ostet Ginecol 77:73-80, Apr 72
Radioimmunoassay follow-up of a hydatidiform mole. Bagshawe KD. Br Med J 1:414, 17 Feb 73

THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73

URINE

Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73
Report on a new pregnancy test reagent--Pretel (Ames). Huston N. Med J Aust 2:1356-60, 9 Dec 72

PLACENTA

ABNORMALITIES

Effect of ruptured membranes on fetal heart rate patterns. Gabert HA, et al.
Obstet Gynecol 41:279-82, Feb 73
[Chronic protein deficiency and placentation. Animal experiments] Moayer M.
Z Ernaehrungswiss 11:241-8, Dec 72 (Ger)

PLACENTA DISORDERS

Does increased maternal Pa CO2 during general anaesthesia for caesarean section improve foetal acid-base parameters? Comparison of patients with normal and suspected pathological uteroplacental circulation. Holmén A, et al.
Acta Anaesthesiol Scand 16:221-9, 1972
The role of the placenta in fetal and perinatal pathology. Highlights of an eight months' study. Altshuler G, et al.
Am J Obstet Gynecol 113:616-26, 1 Jul 72
[Fetal suffering and chorioangioma. Study of fetal cardiac rhythm. Apropos of 2 cases. Kamdom-Moyo J,

et al.
J Gynecol Obstet Biol Reprod (Paris) 1:575-9, Sep 72 (Eng. Abstr.) (Fre)
Cesarean section. Changing philosophy. Diddle AW, et al. Postgrad Med 53:160-5, Mar 73
[Effect of circumvallate placenta on the state of the fetus] Gliński S.
Ginekol Pol 44:123-5, Feb 73 (Eng. Abstr.) (Pol)

BLOOD

[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)
[Chronic protein deficiency and placentation. Animal experiments] Moayer M.
Z Ernaehrungswiss 11:241-8, Dec 72 (Ger)

COMPLICATIONS

The role of the placenta in fetal and perinatal pathology. Highlights of an eight months' study. Altshuler G, et al.
Am J Obstet Gynecol 113:616-26, 1 Jul 72
Giant chorioangioma. Burrows S, et al.
Am J Obstet Gynecol 115:579-80, 15 Feb 73
Lecithin-sphingomyelin ratios in amniotic fluid in normal and abnormal pregnancy. Gluck L, et al.
Am J Obstet Gynecol 115:539-46, 15 Feb 73
The amniotic band syndrome. Chemke J, et al.
Obstet Gynecol 41:332-6, Mar 73
[Placenta in fetal malnutrition. Gross appearance and microscopic examinations of 150 placentas in cases of fetal malnutrition] Busch W.
Arch Gynaekol 212:333-57, 1972 (Eng. Abstr.) (Ger)
[Reanimation of the newborn infant] Beutnagel H, et al. Med Klin 68:1-5, 5 Jan 73 (27 ref.) (Ger)
[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)
[Perinatal brain damage from the obstetrician's viewpoint] Reinold E, et al.
Wien Med Wochenschr 122:743-7, 9 Dec 72 (33 ref.) (Ger)

DIAGNOSIS

A simplified evaluation of vaginal cytology in third trimester pregnancy complications. Bercovici B, et al.
Acta Cytol (Baltimore) 17:67-72, Jan-Feb 73
Amniotic fluid D(-)- -hydroxybutyrate and the dysmature newborn infant. Smith AL, et al.
Am J Obstet Gynecol 115:569-74, 15 Feb 73
A preliminary report on the management of high risk patients. Sandler SW. S Afr Med J 47:23-6, 6 Jan 73
What's new in surgery. Gynecology and obstetrics. McElin TW. Surg Gynecol Obstet 136:197-201, Feb 73
[Metastasising of malignant tumors, especially of malignant melanoma in the placenta and child] Heite HJ, et al.
Munch Med Wochenschr 114:1909-13, 3 Nov 72 (Eng. Abstr.) (Ger)
[Placental scanning with indium 113m] Hennig K, et al.
Radiol Diagn (Berl) 13:555-60, 1972 (Eng. Abstr.) (Ger)
[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)

DRUG THERAPY

[Long-term administration of Gestanon in placental insufficiency] Akiyama S, et al.
Clin Endocrinol (Tokyo) 20:747-50, Sep 72 (Jap)

ENZYMOLOGY

Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia. Fliegner JR, et al.
J Obstet Gynaecol Br Commonw 79:810-5, Sep 72
The effect of circulatory disturbance on placental alkaline phosphatase in rats. Aoba H, et al.
Tohoku J Exp Med 108:19-23, Sep 72

ETIOLOGY

Toxoplasmosis as a cause of hydranencephaly. Altshuler G. Am J Dis Child 125:251-2, Feb 73
[Listeriosis. Occurrence in spontaneous interruptions of pregnancy] Giraud JR, et al.
Nouv Presse Med 2:215-8, 27 Jan 73 (Eng. Abstr.) (Fre)
[Chronic protein deficiency and placentation. Animal experiments] Moayer M.
Z Ernaehrungswiss 11:241-8, Dec 72 (Ger)

PATHOLOGY

Toxoplasmosis as a cause of hydranencephaly. Altshuler G. Am J Dis Child 125:251-2, Feb 73
Giant chorioangioma. Burrows S, et al.
Am J Obstet Gynecol 115:579-80, 15 Feb 73
The placenta--an environmental problem. Rushton DI.
Br Med J 1:344-8, 10 Feb 73
[Placenta in fetal malnutrition. Gross appearance and microscopic examinations of 150 placentas in cases of fetal malnutrition] Busch W.
Arch Gynaekol 212:333-57, 1972 (Eng. Abstr.) (Ger)
[Melanin deposition in the placenta in the case of fetal neurocutaneous melanophacomatosis] Werner C.
Geburtshilfe Frauenheilkd 32:891-4, Oct 72 (Eng. Abstr.) (Ger)
[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)

THERAPY

Some aspects of equine obstetrics. Vandeplassche M, et al. Equine Vet J 4:105-9, Jul 72 (12 ref.)

VETERINARY

Some aspects of equine obstetrics. Vandeplassche M, et al. Equine Vet J 4:105-9, Jul 72 (12 ref.)

TROPHOBLASTIC TUMOR

BLOOD

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

DRUG THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73

IMMUNOLOGY

Changes of immunologic competence of lymphocytes evaluated by phytohemagglutinin (PHA)-induced DNA synthesis related to pregnancy and gynecologic tumors. Takeuchi S, et al.
Acta Obstet Gynaecol Jap 19:59-63, Jan 72

METABOLISM

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

THERAPY

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al.
Am J Obstet Gynecol 115:451-7, 15 Feb 73
What's new in surgery. Gynecology and obstetrics. McElin TW. Surg Gynecol Obstet 136:197-201, Feb 73

III. *Placental Hormones, Precursors, Metabolites and Synthetic Analogs*

GONADOTROPINS, CHORIONIC

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO.
Biol Reprod 8:2-10, Feb 73 (53 ref.)

The placenta--an environmental problem. Rushton DI.
Br Med J 1:344-8, 10 Feb 73

Monkey anti-placental serum as an abortifacient. Behman SJ, et al. Contraception 5:357-68, May 72

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al.
Endocrinology 92:1065-78, Apr 73

Molecular weight relationships among the subunits of human glycoprotein hormones. Reichert LE Jr, et al.
Endocrinology 92:1034-42, Apr 73

Bilateral theca lutein cysts associated with apparently normal pregnancy. Dick JS.
J Obstet Gynaecol Br Commonw 79:852-4, Sep 72

A method for objective evaluation of the fertilizing ability of spermatozoa irrespective of genetic character. Bedford JM, et al.
J Reprod Fertil 31:407-14, Dec 72

Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses. Cole HH.
Proc Soc Exp Biol Med 142:390-4, Feb 73

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

The effect of intravenously administered human chorionic gonadotrophin on plasma levels of testosterone and 5 -dihydrotestosterone in normal male subjects. Maurer W, et al.
Acta Endocrinol (Kbh) 72:615-24, Mar 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al.
Biol Reprod 7:254-9, Oct 72

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. J Dairy Sci 56:261-3, Feb 73

Distribution of tritiated human chorionic gonadotropin in superovulated rat ovary. Ashitaka Y, et al.
Proc Soc Exp Biol Med 142:395-7, Feb 73

[Gonadic and extragonadic effects in humans of 3,500 I.U. of HCG (human chorionic gonadotropin) in fractional doses] Veilleux H, et al.
Vie Med Can Fr 1:862-71, Sep 72 (Fre)

[Ovulation induction using gonadotropins] Bettendorf G, et al. Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)

ADVERSE EFFECTS

[Cerebrovascular accident during treatment with gonadotropins] Humbert G, et al.
Nouv Presse Med 2:28-30, 6 Jan 73 (Fre)

ANALYSIS

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73

Apparent cooperativity in radioimmunoassay of human chorionic gonadotropin. Weintraub BD, et al.
Endocrinology 92:1250-5, Apr 73

Sequence comparison of human pituitary growth hormone, human chorionic somatomammotropin, and ovine pituitary growth and lactogenic hormones. Bewley TA, et al. Int J Pept Protein Res 4:281-7, 1972

[Endocrinological environment at the time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

BIOSYNTHESIS

[Human placenta cells maintained in culture. Cytological and cytochemical studies and hormonal activity] Lascar G.
J Gynecol Obstet Biol Reprod (Paris) 1:509-26, Sep 72 (Eng. Abstr.) (Fre)

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

BLOOD

Determination of plasma human chorionic somatomammotrophin and urinary oestriol in diabetic pregnancies. Persson B, et al.
Acta Obstet Gynecol Scand 52:63-7, 1973

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al.
Am J Obstet Gynecol 115:447-50, 15 Feb 73

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al.
Am J Obstet Gynecol 113:607-15, 1 Jul 72

Postovulatory contraception in women with large doses of norethindrone. Nygren KG, et al.
Contraception 5:445-56, Jun 72

Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al.
Fertil Steril 24:126-30, Feb 73

Early detection of implantation using a radioimmunoassay specific for human chorionic gonadotropin. Kosasa T, et al.
J Clin Endocrinol Metab 36:622-4, Mar 73

Suppressed follicle-stimulating hormone (FSH) in women with gestational trophoblastic neoplasms. Reiter EO, et al.
J Clin Endocrinol Metab 36:697-701, Apr 73

Placental function in prostaglandin induced labour. Keller PJ, et al.
J Obstet Gynaecol Br Commonw 79:804-6, Sep 72

Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al.
J Reprod Med 9:448-52, Dec 72

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)

[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)

[Endocrinological environment at the time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

[HGH response to insulin-induced hypoglycemia in healthy subjects and obesity] Suzuki Y.
Folia Endocrinol Jap 48:443-54, 20 Sep 72 (Eng. Abstr.) (Jap)

CEREBROSPINAL FLUID

Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al.

Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972

DIAGNOSTIC USE

Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Ettinger B, et al. Am J Med 54:195-200, Feb 73

[A case of transient gynecomasty with hyperestrogenesis of nontumoral testicular origin] Gorins A, et al.
Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Response of the normal testis to stimulation by chorionic gonadotropin. Steroid levels in the urine, plasma and sperm] Scholler R, et al.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Eng. Abstr.) (Fre)

[Diurnal variations of testosterone levels and HCG-stimulation in acute and chronic liver disease] Littman KP, et al.
Klin Wochenschr 50:1123-6, 15 Dec 72 (Eng. Abstr.) (Ger)

[Laboratory methods of diagnosing early pregnancy] Peteja J, et al.
Wiad Lek 26:427-30, 1 Mar 73 (Eng. Abstr.) (Pol)

ISOLATION & PURIFICATION

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.
Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

METABOLISM

The turnover of amniotic fluid protein in the human conceptus. Gitlin D, et al.
Am J Obstet Gynecol 113:632-45, 1 Jul 72

Gonadotropbin binding sites of the rat testis. Catt KJ, et al. Biochim Biophys Acta 279:194-201, 18 Aug 72

Distribution and binding of J 131 -buman chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al. Fertil Steril 24:126-30, Feb 73

Distribution of tritiated buman chorionic gonadotropin in superovulated rat ovary. Ashitaka Y, et al. Proc Soc Exp Biol Med 142:395-7, Feb 73

[HCG-receptor of tbe ovary] Mori H, et al.
Clin Endocrinol (Tokyo) 20:1081-4, Dec 72 (Jap)

[Experimental studies on tbe mechanism of buman chorionic gonadotropin in the rabbit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

[Endocrine correlations during pregnancy (review of tbe literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

PHARMACODYNAMICS

Immunoreactive luteinizing bormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al.
Acta Endocrinol (Kbh) 72:573-81, Mar 73

The effect of intravenously administered human cborionic gonadotrophin on plasma levels of testosterone and 5 -dihydrotestosterone in normal male subjects. Maurer W, et al.
Acta Endocrinol (Kbh) 72:615-24, Mar 73

Amounts of gonadotrophins required for normal follicular growth in bypophysectomized adult rats. Weischen R. Acta Endocrinol (Kbh) 72:137-55, Jan 73

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Hormonal factors in buman ovulation. Taymor ML, et al.
Am J Obstet Gynecol 114:445-53, 15 Oct 72

Sequential morphologic study of the ovaries of heifers injected witb exogenous gonadotropins. Arcbbald LF, et al. Am J Vet Res 34:21-6, Jan 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al.
Biol Reprod 7:254-9, Oct 72

Immunological studies with rat prostate: antigenic localization and effect of hormones. Rao SS, et al.
Biol Reprod 8:29-37, Feb 73

Urinary oestrogen excretion in the beagle bitch. Batcbelor A, et al. Br Vet J 128:560-6, Nov 72

Studies on amphibian yolk. X. Tbe relative roles of autosyntbetic and heterosynthetic processes during yolk protein assembly by isolated oocytes. Wallace RA, et al. Dev Biol 29:255-72, Nov 72

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al.
Endocrinol Jap 19:423-8, Oct 72

Adrenal steroid biosynthesis from 4-14C-cbolesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al.
Endocrinology 92:1200-7, Apr 73

Distribution and binding of J 131 -buman chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al.
Fertil Steril 24:126-30, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle. Wettemann RP, et al. J Dairy Sci 56:261-3, Feb 73

Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally witb a low or a high dose of androgen. Ullenbroek JT, et al. J Endocrinol 55:533-41, Dec 72

Host-transplant relationship of cultured mouse embryos. Fisher DL, et al. J Exp Zool 183:263-6, Feb 73

Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. Hunter RH, et al. J Reprod Fertil 31:499-501, Dec 72

A study of tbe in-vivo incorporation of tritiated uridine by the reproductive tract of the rabbit doe following injection of human chorionic gonadotrophin. O'Sbea T. J Reprod Fertil 32:345-6, Feb 73

The labelling of living rabbit ova with fluorescent dyes. Overstreet JW. J Reprod Fertil 32:291-4, Feb 73

Environmental factors and testicular bormone production in the male rat. Purvis K, et al.
J Reprod Fertil 31:490-1, Dec 72

Tbe effect of the sex of litter-mates on the subsequent behaviour and breeding performance of cross-fostered rats. Sharpe RM, et al.
Lab Anim 7:51-9, Jan 73

Tbe induction of ovulation witb FSH and HCG. Ansbacher R. Milit Med 138:149-51, Mar 73

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. Prostaglandins 2:351-67, Nov 72

Tbe effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 108:9-18, Sep 72

[Gonadic and extragonadic effects in humans of 3,500 I.U. of HCG (human chorionic gonadotropin) in fractional doses] Veilleux H, et al.
Vie Med Can Fr 1:862-71, Sep 72 (Fre)

[Diurnal variations of testosterone levels and HCG-stimulation in acute and cbronic liver disease] Littman KP, et al.
Klin Wochenschr 50:1123-6, 15 Dec 72 (Eng. Abstr.) (Ger)

[Effect of aminoglutethimide on testicular interstitial cells in the rat] Nüescb H, et al.
Virchows Arch [Pathol Anat] 358:149-62, 1973 (Eng. Abstr.) (Ger)

[Fluctuation of the urinary 17KS levels during tbe administration of dexamethasone and HCG in women with normal menstrual cycles] Yoshida T, et al.
Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)

[Experimental studies on the mechanism of buman chorionic gonadotropin in the rabbit ovary] Kobayashi Y.
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

[Inhibition of ovulation induced by gonadotropins, from the standpoint of the hormone gene thesis] Ozaki M, et al.
Folia Endocrinol Jap 48:422-31, 20 Sep 72 (Eng. Abstr.) (Jap)

[Gonadotropins extracted from the trophoblastic tissue] Tojo S, et al.

Folia Endocrinol Jap 48:639-58, 20 Dec 72 (Eng. Abstr.) (Jap)

PHYSIOLOGY

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al. Am J Obstet Gynecol 115:447-50, 15 Feb 73

[Endocrinological environment at the time of implantation] Iizuka R, et al. Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[New problems of thyroid physiology during pregnancy] Mizuno M, et al. Clin Endocrinol (Tokyo) 20:715-23, Sep 72 (Jap)

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S. Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

SECRETION

Secretory rates of human chorionic gonadotropin by normal trophoblast. Braunstein GD, et al. Am J Obstet Gynecol 115:447-50, 15 Feb 73

THERAPEUTIC USE

The induction of ovulation with FSH and HCG. Ansbacher R. Milit Med 138:149-51, Mar 73

"Post-pill" amenorrhea. Diagnosis and management. Hanson FW. Postgrad Med 53:156-62, Feb 73

The undescended testis. Levin A, et al. Surg Gynecol Obstet 136:473-9, Mar 73

A technique for intra-cystic injections in the treatment of cystic ovarian disease in bovine animals. Pepper RT. Vet Rec 92:16, 6 Jan 73

[Gonadic and extragonadic effects in humans of 3,500 I.U. of HCG (human chorionic gonadotropin) in fractional doses] Veilleux H, et al. Vie Med Can Fr 1:862-71, Sep 72 (Fre)

[Causes of sterility and efficiency of treatment in more than 1000 cattle which failed to conceive] Vogler G. Wien Tieraerztl Monatsschr 60:16-21, 1973 (Eng. Abstr.) (Ger)

[Ovulation induction using gonadotropins] Bettendorf G, et al. Zentralbl Gynaekol 94:1687-96, 9 Dec 72 (Ger)

[Sterility] Iizuka R, et al. Clin Endocrinol (Tokyo) 20:1117-20, Dec 72 (Jap)

[Gonadotropins--their side effects] Tojo S, et al. Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)

URINE

Treatment of metastatic trophoblastic disease: good and poor prognosis. Hammond CB, et al. Am J Obstet Gynecol 115:451-7, 15 Feb 73

Report on a new pregnancy test reagent--Pretel (Ames). Huston N. Med J Aust 2:1356-60, 9 Dec 72

Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters. Bucy PC, et al. Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972

[Endocrinological environment at the time of implantation] Iizuka R, et al. Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)

[Endocrine environment of pregnancy, a study of urinary hormones] Kamata S. Clin Endocrinol (Tokyo) 20:709-14, Sep 72 (Jap)

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y. Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Eng. Abstr.) (Jap)

GONADOTROPINS, EQUINE

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. Biol Reprod 8:2-10, Feb 73 (53 ref.)

Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios. Diebel ND, et al. Endocrinology 92:1065-78, Apr 73

ADMINISTRATION & DOSAGE

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al. Biol Reprod 7:254-9, Oct 72

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. Ullenhroek JT, et al. J Endocrinol 55:533-41, Dec 72

PHARMACODYNAMICS

Immunoreactive luteinizing hormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches. Jones GE, et al. Acta Endocrinol (Kbh) 72:573-81, Mar 73

The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y. Acta Obstet Gynaecol Jap 19:1-15, Jan 72

Urinary oestrogen excretion in the goat during the oestrous cycle and after administration of pregnant mare serum gonadotrophin (PMSG). Lyngset O, et al. Acta Vet Scand 13:272-4, 1972

Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins. Archbald LF, et al. Am J Vet Res 34:21-6, Jan 73

Pregnancy block: initation by administered gonadotropin. Hoppe PC, et al. Biol Reprod 7:254-9, Oct 72

Urinary oestrogen excretion in the beagle bitch. Batchelor A, et al. Br Vet J 128:560-6, Nov 72

Facilitation of ovulation with antiestrogens in immature rats primed with pregnant mare's serum (PMS). Ying SY, et al. Contraception 5:413-21, May 72

Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections. Takasugi N, et al. Endocrinol Jap 19:423-8, Oct 72

Stimulation of lactic acid production in vitro from prepubertal rat ovaries by gonadotropins and their subunits. Farmer SW, et al. Endocrinology 92:1022-7, Apr 73

Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats. Gupta C, et al. Endocrinology 92:1200-7, Apr 73

Follicle response to exogenous gonadotropins: an estrogen-mediated phenomenon. Goldenberg RL, et al. Fertil Steril 24:121-5, Feb 73

Effect of estradiol on pregnant mare's serum (PMS)-induced ovulation in the immature rat. Park KR, et al. Fertil Steril 23:769-75, Oct 72

Effects of superovulation and unilateral ovariectomy-hysterectomy on porcine uterine protein secretions. Knight JW, et al. J Anim Sci 36:61-5, Jan 73

Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. Ullenhroek JT, et al. J Endocrinol 55:533-41, Dec 72

Host-transplant relationship of cultured mouse embryos. Fisher DL, et al. J Exp Zool 183:263-6, Feb 73

Oestradiol-17 and progesterone after induction of superovulation by PMSG in cattle. Lemon M, et al. J Reprod Fertil 31:501-2, Dec 72

Influence of photoperiod on PMSG-induced nest-building in canaries. Steel E, et al. J Reprod Fertil 31:425-31, Dec 72

The effect of the sex of litter-mates on the subsequent behaviour and breeding performance of cross-fostered rats. Sharpe RM, et al. Lab Anim 7:51-9, Jan 73

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. Prostaglandins 2:351-67, Nov 72

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. Prostaglandins 2:331-49, Nov 72

The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. Tohoku J Exp Med 106:9-18, Sep 72

[In-vitro luteinization of rat granulosa cells: effect of actinomycin D] Bernard J. C R Soc Biol (Paris) 166:840-3, 1972 (Fre)

[Inhibition of ovulation induced by gonadotropins,

from the standpoint of the hormone gene thesis] Ozaki M, et al.
Folia Endocrinol Jap 48:422-31, 20 Sep 72 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

[Gonadotropins--their side effects] Tojo S, et al.
Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)

PLACENTAL EXTRACTS

Monkey anti-placental serum as an abortifacient. Behman SJ, et al. Contraception 5:357-68, May 72

PHARMACODYNAMICS

Characterization of rat placental luteotropin. Physiological and physicochemical properties. Linkle DM, et al. Biol Reprod 8:48-57, Feb 73
The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe. Cerini ME, et al. J Reprod Fertil 32:324-5, Feb 73

THERAPEUTIC USE

[Clinical and psychological experience with a geratric drug] Bruck J, et al.
Wien Med Wochenschr 122:747-53, 9 Dec 72 (Ger)

PLACENTAL HORMONES

A generalized homology correlation for various hormones and proteins. Weinstein B.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)

METABOLISM

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

PHARMACODYNAMICS

[Study of the antagonism hetween actinomycin D and placentotropin on the uterus of castrated rats] Lajos L, et al. Orv Hetil 114:672-3, 25 Mar 73 (Hun)

PHYSIOLOGY

Thyroid hormonal activity in pregnancy (the role of placental factors). Hartwig W, et al.
Pol Med J 11:1063-9, 1972
[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

PLACENTAL LACTOGEN

ADMINISTRATION & DOSAGE

[Experimental study on the hiological action of human placental lactogen (hPL) during pregnancy] Tanaka Y.
Folia Endocrinol Jap 48:698-715, 20 Dec 72 (Eng. Abstr.) (Jap)

ANALYSIS

Sequence comparison of human pituitary growth hormone, human chorionic somatomammotropin, and ovine pituitary growth and lactogenic hormones. Bewley TA, et al. Int J Pept Protein Res 4:281-7, 1972

BLOOD

Determination of plasma human chorionic somatomammotrophin and urinary oestriol in diahetic pregnancies. Persson B, et al.
Acta Obstet Gynecol Scand 52:63-7, 1973
Effect of thyrotropin-releasing hormone on human pituitary thyrotropin, prolactin, placental lactogen, and chorionic thyrotropin. Hershman JM, et al.
J Clin Endocrinol Metab 36:497-501, Mar 73
Placental function in prostaglandin induced lahour. Keller PJ, et al.
J Obstet Gynaecol Br Commonw 79:804-6, Sep 72
[Placental insufficiency. New diagnostic methods in the detection of high-risk pregnancies] Janisch H, et al.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73

METABOLISM

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

PHARMACODYNAMICS

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al.
Endocrinology 92:1208-15, Apr 73
The effect of dihydroergotamine on lipolysis stimulated hy human chorionic somato-mammotropin in hypophysectomized dogs. Sirek AM, et al.
Hormones 3:221-7, 1972
[Experimental study on the biological action of human placental lactogen (hPL) during pregnancy] Tanaka Y.
Folia Endocrinol Jap 48:698-715, 20 Dec 72 (Eng. Abstr.) (Jap)

PHYSIOLOGY

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)
[Experimental study on the hiological action of human placental lactogen (hPL) during pregnancy] Tanaka Y.
Folia Endocrinol Jap 48:698-715, 20 Dec 72 (Eng. Abstr.) (Jap)

Sequence comparison of human pituitary growth hormone, human chorionic somatomammotropin, and ovine pituitary growth and lactogenic hormones. Bewley TA, et al. Int J Pept Protein Res 4:281-7, 1972.

Determination of plasma human chorionic somatomammotrophin and urinary oestriol in diabetic pregnancies. Persson B, et al. Acta Obstet Gynecol Scan 52: 63-7 1973.

The effect of dihydroergotamine on lipolysis stimulated by human chorionic somato-mammotropin in hypophysectomized dogs. Sirek AM, et al. Hormones 3: 221-7, 1972

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and urine prolactin. Vinik AI, et al. Endocrinology 92: 1051-64, Apr 73.

1. Physical and Functional Aspects

PARATHYROID GLANDS

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al. **Eur J Clin Invest** 3:27-34, Jan 73

ABNORMALITIES

[Hematopoietic stem cells, the thymus dependent lymphatic system and primary immune deficiencies of childhood] Prinduli G, et al. **Monatsschr Kinderheilkd** 121:22-6, Jan 73 (95 ref.) (Eng. Abstr.) **(Ger)**

[Sudden and unexpected death of infants and small children. Forensic-medical experiences, studies and significance of a general medical problem] Althoff H. **Veroeff Morphol Pathol** 91:1-107, 1972 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Seasonal variation in amphibian phosphate metabolism and its relation to parathyroid structure and function. McWhinnie DJ, et al. **Comp Biochem Physiol** [A] 43:911-25, 1 Dec 72

CYTOLOGY

Seasonal variation in amphibian phosphate metabolism and its relation to parathyroid structure and function. McWhinnie DJ, et al. **Comp Biochem Physiol** [A] 43:911-25, 1 Dec 72

METABOLISM

Pseudogout after parathyroidectomy. Bilezikian JP, et al. **Lancet** 1:445-6, 3 Mar 73

Tissue concentration of 131 I-toluidine blue O in rats and dogs with special reference to the parathyroid concentration by intracardiac and intravenous administration. Akisada M, et al. **Nippon Acta Radiol** 32:534-9, Sep 72

PATHOLOGY

Primary neonatal hyperparathyroidism--an unusual cause of failure to thrive. Bradford WD, et al. **Am J Clin Pathol** 59:265-75, Feb 73

Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. Grimelius L, et al. **J Pathol** 108:23-33, Sep 72

Retropharyngeal parathyroid adenoma. Strand CL, et al. **JAMA** 223:1040, 26 Feb 73

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. **Recent Prog Horm Res** 28:399-470, 1972

[Primary hyperparathyroidism, case reports and general observations] Bierens de Haan B, et al. **Helv Chir Acta** 39:741-50, Dec 72 **(Fre)**

PHYSIOLOGY

A study of the effect of short-term progesterone treatment of serum calcium and inorganic phosphorus concentration in the rat. Nurmio P, et al. **Acta Vet Scand** 13:185-90, 1972

Proximal tubular reabsorption of inorganic phosphate during saline infusion in the rat. Frick A. **Am J Physiol** 223:1034-40, Nov 72

Effect of parathyroid hormone on tooth movement in rats. Kamata M. **Bull Tokyo Med Dent Univ** 19:411-25, Dec 72

Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Bar A, et al. **Comp Biochem Physiol** [A] 43:519-26, 1 Nov 72

Seasonal variation in amphibian phosphate metabolism and its relation to parathyroid structure and function. McWhinnie DJ, et al. **Comp Biochem Physiol** [A] 43:911-25, 1 Dec 72

Effects of parathyroidectomy on the serum calcium concentration of the turtle Geoclemys reevesii. Ogura C, et al. **Gen Comp Endocrinol** 19:587-8, Dec 72

Effects of age and cold exposure on the size and functional activity of parathyroid glands of rats. Holness DE. **Int J Biometeorol** 16:277-81, Aug 72

Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo. Mathews RW, et al. **J Biol Chem** 248:1329-33, 25 Feb 73

Muscular spasms and death in thyroparathyroidectomized rats subjected to pinealectomy. Reiter RJ, et al. **Life Sci** [I] 11:123-33, 1 Feb 72

Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. **Physiol Behav** 9:203-8, Aug 72

Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al. **Rev Eur Etud Clin Biol** 17:903-5, Nov 72

Serum calcium alterations produced by enterectomy in normal and parathyroidectomized dogs. Deysine M, et al. **Surg Gynecol Obstet** 136:421-4, Mar 73

[A comparison of the mode of action between calcitonin-like factor isolated from salivary gland and calcitonin] Seyama Y, et al. **J Pharm Soc Jap** 92:818-22, Jul 72 (Eng. Abstr.) **(Jap)**

PHYSIOPATHOLOGY

Parathyroid hyperfunction in acute renal failure. Serial studies in man. Kovithavongs T, et al. **Nephron** 9:349-55, 1972

Hereditary pancreatitis: three new kindreds and a critical review of the literature. Kattwinkel J, et al. **Pediatrics** 51:55-69, Jan 73 (44 ref.)

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. **Recent Prog Horm Res** 28:399-470, 1972

[Effect of ammonium chloride therapy on bronchial asthma] Fazekas IG. **Allerg Immunol (Leipz)** 18:57-64, 1972 (Eng. Abstr.) **(Ger)**

[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al. **Jap J Clin Med** 30:2495-500, Dec 72 (41 ref.) **(Jap)**

SECRETION

Proximal tubular reabsorption of inorganic phosphate during saline infusion in the rat. Frick A. **Am J Physiol** 223:1034-40, Nov 72

SURGERY

Bone disease and soft tissue calcification in chronic

peritoneal dialysis. Cangiano JL, et al. Am J Med Sci 264:301-6, Oct 72

Fine structural and enzymatic evaluation of bone in thyroparathyroidectomized rats receiving various levels of vitamin D. Weisbrode SE, et al. Lab Invest 28:29-37, Jan 73

Pseudogout after parathyroidectomy. Bilezikian JP, et al. Lancet 1:445-6, 3 Mar 73

Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. Physiol Behav 9:203-8, Aug 72

Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al. Rev Eur Etud Clin Biol 17:903-5, Nov 72

TRANSPLANTATION

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI. Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

11. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

A review of hyperparathyroidism and an interesting case presenting with a giant cell lesion. Chapnick P.
Trans Congr Int Assoc Oral Surg 4:44-8, 1973
[Primary hyperparathyroidism] Dress D.
Infirm Fr 142:8-10, Feb 73 (Fre)
[Nuclear medicine in the diagnosis of isolated and generalized bone alterations] Montz R.
Z Rheumaforsch 31:344-57, Sep-Oct 72 (Eng. Abstr.) (Ger)

BLOOD

Renal function and hypertension in primary hyperparathyroidism. Chowdhury SD, et al.
Br J Surg 60:53-6, Jan 73
Pseudohyperparathyroidism in the dog. Osborne CA, et al. **J Am Vet Med Assoc 162:125-35, 15 Jan 73**
Serum calcium measurement. Edmondson JW.
JAMA 223:1388-9, 19 Mar 73
Calcium measurements in hyperparathyroidism. Loken HF, et al. **JAMA 223:188-9, 8 Jan 73**
Ionic calcium determination in primary hyperparathyroidism. Low JC, et al.
JAMA 223:152-5, 8 Jan 73
Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al.
Practitioner 209:811-6, Dec 72

COMPLICATIONS

Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism. Vazquez AM.
Am J Dis Child 125:104-6, Jan 73
Differential diagnosis of pancreatic calcification. Ring EJ, et al.
Am J Roentgenol Radium Ther Nucl Med 117:446-52, Feb 73
Renal function and hypertension in primary hyperparathyroidism. Chowdhury SD, et al.
Br J Surg 60:53-6, Jan 73
Massive articular osteolysis in rheumatoid arthritis, treated by total hip replacement. Case report and review of literature. Kennedy WR, et al.
Clin Orthop 90:161-73, Jan-Feb 73
Aphasia complicated by hypercalcemia. Schwebel MC, et al. **J Speech Hear Disord 37:542-7, Nov 72**
Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73
What's new in surgery. Gastrointestinal and biliary tracts. Hallenbeck GA.
Surg Gynecol Obstet 136:194-7, Feb 73
[Primary hyperparathyroidism, case reports and general observations] Bierens de Haan B, et al.
Helv Chir Acta 39:741-50, Dec 72 (Fre)
[Urologic syndrome of primary hyperparathyroidism] Kaiser W, et al.
Z Gesamte Inn Med 27:999-1003, 15 Nov 72 (Eng. Abstr.) (Ger)
[Hyperparathyreosis with calcification of the pancreas] Ignat'ev AS, et al.
Probl Endokrinol (Mosk) 18:48-9, Jul-Aug 72 (Rus)

DIAGNOSIS

Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism. Vazquez AM.
Am J Dis Child 125:104-6, Jan 73
Pseudohyperparathyroidism in the dog. Osborne CA, et al. **J Am Vet Med Assoc 162:125-35, 15 Jan 73**
Calcium measurements in hyperparathyroidism. Loken HF, et al. **JAMA 223:188-9, 8 Jan 73**
Ionic calcium determination in primary hyperparathyroidism. Low JC, et al.
JAMA 223:152-5, 8 Jan 73
Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al.
Practitioner 209:811-6, Dec 72
The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
Cyclic AMP. A mediator of hormone response and its clinical application. Murad F.
Va Med Mon 99:1197-201, Nov 72
[Primary hyperparathyroidism, case reports and general observations] Bierens de Haan B, et al.
Helv Chir Acta 39:741-50, Dec 72 (Fre)
[Furosemide loading, a new method for the diagnosis of functioning parathyroid adenoma] Szücs J.
Acta Chir Acad Sci Hung 13:33-9, 1972 (Ger)

ETIOLOGY

Association of ectopically produced hyperparathyroidism with hepatoma. Dunn RP, et al.
Calif Med 118:48-51, Jan 73
Pseudohyperparathyroidism in the dog. Osborne CA, et al. **J Am Vet Med Assoc 162:125-35, 15 Jan 73**
Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. Grimelius L, et al.
J Pathol 108:23-33, Sep 72
Ionic calcium determination in primary hyperparathyroidism. Low JC, et al.
JAMA 223:152-5, 8 Jan 73

FAMILIAL & GENETIC

[Familial hyperparathyroidism] Akagi K, et al.
J Jap Soc Intern Med 62:47-53, Jan 73 (Jap)

METABOLISM

Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata. Martin TJ, et al. **Clin Sci 44:1-8, Jan 73**
Alterations in skeletal calcium and phosphorus in dysfunction of the parathyroids. Cohn SH, et al.
J Clin Endocrinol Metab 36:750-5, Apr 73
Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73

PATHOLOGY

Primary neonatal hyperparathyroidism--an unusual cause of failure to thrive. Bradford WD, et al.
Am J Clin Pathol 59:265-75, Feb 73
Lack of histological evidence of vitamin D abnormality in the bones of anephric patients. Bordier PJ, et al.
Clin Sci 44:33-41, Jan 73
Pseudohyperparathyroidism in the dog. Osborne CA, et al. **J Am Vet Med Assoc 162:125-35, 15 Jan 73**
Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. Grimelius L, et al.
J Pathol 108:23-33, Sep 72
[Parathyroid hormone and arteriosclerosis] Orishige H, et al.
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)

PHYSIOPATHOLOGY

Renal function and hypertension in primary hyperparathyroidism. Chowdhury SD, et al.
Br J Surg 60:53-6, Jan 73

RADIOGRAPHY

Primary neonatal hyperparathyroidism--an unusual cause of failure to thrive. Bradford WD, et al.
Am J Clin Pathol 59:265-75, Feb 73
Differential diagnosis of pancreatic calcification. Ring EJ, et al.
Am J Roentgenol Radium Ther Nucl Med 117:446-52, Feb 73
Pseudohyperparathyroidism in the dog. Osborne CA, et al. **J Am Vet Med Assoc 162:125-35, 15 Jan 73**

[Skeletal manifestation of primary hyperparathyroidism] Meffert O, et al. Bruns Beitr Klin Chir 219:650-7, 1972 (Eng. Abstr.) (Ger)

[Pseudo-Bechterew findings in hyperparathyroidism with reference to renal osteopathy] Dihlmann W, et al. Z Rheumaforsch 31:401-8, Sep-Oct 72 (Eng. Abstr.) (Ger)

SURGERY

Renal function and hypertension in primary hyperparathyroidism. Chowdhury SD, et al. Br J Surg 60:53-6, Jan 73

Bone cysts in renal disease. Beal JM. Ill Med J 143:255-7 passim, Mar 73

Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al. Practitioner 209:811-6, Dec 72

[Surgery of the endocrine glands. (Experience of 25 years)] Angelescu E, et al. Stud Cercet Endocrinol 23:377-88, 1972 (Rum)

VETERINARY

Pseudohyperparathyroidism in the dog. Osborne CA, et al. J Am Vet Med Assoc 162:125-35, 15 Jan 73

HYPERPARATHYROIDISM, SECONDARY

[Radiography of generalized osteopathies] Heuck F. Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Dietary calcium deficiency and marginal periodontitis in dogs] Gröndahl HG, et al. Tandlakartidningen 65:124-30, 1 Feb 73 (Swe)

COMPLICATIONS

Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al. Virchows Arch [Pathol Anat] 358:225-39, 1973

DIAGNOSIS

The problem of hypercalcemia. Salmon WD Jr. South Med J 66:85-91, Jan 73

ETIOLOGY

Infantile polycystic disease of the kidney. Vuthibhagdee A, et al. Am J Dis Child 125:167-70, Feb 73

Bone disease and soft tissue calcification in chronic peritoneal dialysis. Cangiano JL, et al. Am J Med Sci 264:301-6, Oct 72

Osteomalacia in neurofibromatosis. J Assoc Physicians India 20:411-2, May 72

Acute renal failure followed by protracted, slowly resolving chronic uremia. Levin ML, et al. J Chronic Dis 25:645-51, Nov 72

Ectopic hyperparathyroidism with renal calculi and subperiosteal bone resorption. Report of case. Scholz DA, et al. Mayo Clin Proc 48:124-6, Feb 73

Parathyroid hyperfunction in acute renal failure. Serial studies in man. Kovithavongs T, et al. Nephron 9:349-55, 1972

[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al. Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)

[Secondary hyperparathyroidism in chronic renal failure] Durić DS, et al. Acta Med Iugosl 26:329-38, 1972 (Eng. Abstr.) (Cro)

PATHOLOGY

Lack of histological evidence of vitamin D abnormality in the bones of anephric patients. Bordier PJ, et al. Clin Sci 44:33-41, Jan 73

Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al. Virchows Arch [Pathol Anat] 358:225-39, 1973

RADIOGRAPHY

Radiological patterns of bone disease associated with renal glomerular failure in adults. Doyle FH. Br Med Bull 28:220-4, Sep 72 (28 ref.)

SURGERY

Bone disease and soft tissue calcification in chronic peritoneal dialysis. Cangiano JL, et al. Am J Med Sci 264:301-6, Oct 72

Ectopic hyperparathyroidism with renal calculi and subperiosteal bone resorption. Report of case. Scholz DA, et al. Mayo Clin Proc 48:124-6, Feb 73

Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al. Virchows Arch [Pathol Anat] 358:225-39, 1973

HYPOPARATHYROIDISM

BLOOD

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI. Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

COMPLICATIONS

Hypoparathyroidism with some unusual features in an Indian child (case report). Vaishnava S, et al. J Assoc Physicians India 20:795-8, Oct 72

[Idiopathic familial chronic hypoparathyroidism in infancy. Description of 2 cases classifiable in the Whitaker syndrome] Corvaglia E. Minerva Pediatr 25:104-19, 4 Feb 73 (Eng. Abstr.) (Ita)

[The importance of salivation disturbances to dental caries] Frostell G. Sven Tandlak Tidskr 66:69-80, Jan 73 (Swe)

DRUG THERAPY

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al. Metabolism 22:507-31, Mar 73 (181 ref.)

[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH. Helv Chir Acta 39:737-40, Dec 72 (Ger)

ETIOLOGY

Joint and bone disorders and hypoparathyroidism in hemochromatosis. Sèze S de, et al. Semin Arthritis Rheum 2:71-94, Summer 72 (80 ref.)

[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH. Helv Chir Acta 39:737-40, Dec 72 (Ger)

FAMILIAL & GENETIC

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73

[Idiopathic familial chronic hypoparathyroidism in infancy. Description of 2 cases classifiable in the Whitaker syndrome] Corvaglia E. Minerva Pediatr 25:104-19, 4 Feb 73 (Eng. Abstr.) (Ita)

IMMUNOLOGY

Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Vazquez AM, et al. Obstet Gynecol 41:414-8, Mar 73

[Immunofluorescence in internal medicine] Storch W. Z Gesamte Inn Med 27:1061-7, 15 Dec 72 (200 ref.) (Eng. Abstr.) (Ger)

METABOLISM

Alterations in skeletal calcium and phosphorus in dysfunction of the parathyroids. Cohn SH, et al. J Clin Endocrinol Metab 36:750-5, Apr 73

Metabolic response to growth hormone administration, with particular reference to the occurrence of hypercalcuria. Bryson MF, et al. Pediatr Res 6:743-51, Oct 72

[Idiopathic familial chronic hypoparathyroidism in

infancy. Description of 2 cases classifiable in the Whitaker syndrome] Corvaglia E.
Minerva Pediatr 25:104-19, 4 Feb 73 (Eng. Abstr.) (Ita)

OCCURRENCE

[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH.
Helv Chir Acta 39:737-40, Dec 72 (Ger)

RADIOGRAPHY

Hypoparathyroidism with some unusual features in an Indian child (case report). Vaishnava S, et al.
J Assoc Physicians India 20:795-8, Oct 72

THERAPY

[The dynamics of accumulation of radioactive iodine by transplantation and plasma protein-bound iodine in patients following thyroid-parathyroid complex homotransplantation] Tochilin VI.
Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

PARATHYROID DISEASES

COMPLICATIONS

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)

PATHOLOGY

Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al.
Virchows Arch [Pathol Anat] 358:225-39, 1973

PARATHYROID GLANDS

ABNORMALITIES

[Hematopoietic stem cells, the thymus dependent lymphatic system and primary immune deficiencies of childhood] Prinduli G, et al.
Monatsschr Kinderheilkd 121:22-6, Jan 73 (95 ref.) (Eng. Abstr.) (Ger)

[Sudden and unexpected death of infants and small children. Forensic-medical experiences, studies and significance of a general medical problem] Althoff H.
Veroeff Morphol Pathol 91:1-107, 1972 (Eng. Abstr.) (Ger)

PARATHYROID NEOPLASMS

BLOOD

Successful removal of single metastasis in recurrent parathyroid carcinoma. Davies DR, et al.
Br Med J 1:397-8, 17 Feb 73

Ionic calcium determination in primary hyperparathyroidism. Low JC, et al.
JAMA 223:152-5, 8 Jan 73

COMPLICATIONS

Medullary carcinoma of the thyroid. Hill CS Jr.
Am Fam Physician 7:99-105, Feb 73

Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism. Vazquez AM.
Am J Dis Child 125:104-6, Jan 73

Stilboestrol diphosphate in hypercalcaemia due to parathyroid carcinoma. Sigurdsson G, et al.
Br Med J 1:27-8, 6 Jan 73

Primary hyperthyroidism. Report of 3 cases with emphasis on roentgenographic findings in the maxillofacial region. Murai T, et al.
Dentomaxillofac Radiol 1:16-8, 1972

Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. Grimelius L, et al.
J Pathol 108:23-33, Sep 72

Aphasia complicated by hypercalcemia. Schwebel MC, et al. J Speech Hear Disord 37:542-7, Nov 72

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73

DIAGNOSIS

Retropharyngeal parathyroid adenoma. Strand CL, et al. JAMA 223:1040, 26 Feb 73

[Primary hyperparathyroidism, case reports and general observations] Bierens de Haan B, et al.
Helv Chir Acta 39:741-50, Dec 72 (Fre)

METABOLISM

Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata. Martin TJ, et al. Clin Sci 44:1-8, Jan 73

[Calcium-loss-kidney of multiple myeloma and its metabolic consecutive reactions] Kaiser W, et al.
Z Gesamte Inn Med 27:995-9, 15 Nov 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Formalin fixation for electron microscopy: a re-evaluation. Carson FL, et al.
Am J Clin Pathol 59:365-73, Mar 73

Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism. Vazquez AM.
Am J Dis Child 125:104-6, Jan 73

Retropharyngeal parathyroid adenoma. Strand CL, et al. JAMA 223:1040, 26 Feb 73

Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al.
Virchows Arch [Pathol Anat] 358:225-39, 1973

RADIOGRAPHY

Retropharyngeal parathyroid adenoma. Strand CL, et al. JAMA 223:1040, 26 Feb 73

[Biselective thyroid angiography] Dupuy JP, et al.
Bord Med 5:1449-62, Jun 72 (Eng. Abstr.) (Fre)

SURGERY

Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism. Vazquez AM.
Am J Dis Child 125:104-6, Jan 73

Successful removal of single metastasis in recurrent parathyroid carcinoma. Davies DR, et al.
Br Med J 1:397-8, 17 Feb 73

Aphasia complicated by hypercalcemia. Schwebel MC, et al. J Speech Hear Disord 37:542-7, Nov 72

III. Parathyroid Hormone

PARATHYROID HORMONE

A generalized homology correlation for various hormones and proteins. Weinstein B.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

BIOSYNTHESIS

Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata. Martin TJ, et al. **Clin Sci 44:1-8, Jan 73**

BLOOD

Tumor hypercalcemia. Roof BS.
Calif Med 118:35-6, Jan 73

Conditions for a radioimmunoassay of serum parathyroid hormone. McCann DS, et al.
Clin Chem 19:205-9, Feb 73

The effect of aluminium hydroxide on calcium, phosphorus and aluminium balances, the serum parathyroid hormone concentration and the aluminium content of bone in patients with chronic renal failure. Clarkson EM, et al.
Clin Sci 43:519-31, Oct 72

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al.
Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)

CHEMICAL SYNTHESIS

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

DIAGNOSTIC USE

Studies on renal function after relief of complete unilateral ureteral obstruction of three months' duration in man. Better OS, et al.
Am J Med 54:234-40, Feb 73

Pseudohypohyper what? Becker KL.
Postgrad Med 53:198-9, Feb 73

ISOLATION & PURIFICATION

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

METABOLISM

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

PHARMACODYNAMICS

The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. **Br Poult Sci 14:121-5, Jan 73**

Effect of parathyroid hormone on tooth movement in rats. Kamata M.
Bull Tokyo Med Dent Univ 19:411-25, Dec 72

Effect of parathyroid hormone on the incorporation of 3H-glucosamine into hyaluronic acid in bone organ culture. Severson AR, et al.
Endocrinology 92:1282-5, Apr 73

Activation of renal cortical adenylate cyclase by circulating immunoreactive parathyroid hormone fragments. Canterbury JM, et al.
J Clin Invest 52:524-7, Feb 73

Studies on the absorption of halogenated hydrocarbons and their excretion in breath using 38 Cl tracer techniques. Alleyne GA.
Prog Biochem Pharmacol 7:189-218, 1972 (157 ref.)

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

[Parathyroid hormone and arteriosclerosis] Orishige H, et al.
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)

[Kidney and cyclic AMP] Osawa M, et al.
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)

PHYSIOLOGY

Calcium metabolism in pancreatic disease. D'Souza A, et al. **Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)**

Magnesium and the pancreas. Hersh T, et al.
Am J Clin Nutr 26:362-6, Mar 73 (31 ref.)

Proximal tubular reabsorption of inorganic phosphate during saline infusion in the rat. Frick A.
Am J Physiol 223:1034-40, Nov 72

Effect of parathyroid hormone on tooth movement in rats. Kamata M.
Bull Tokyo Med Dent Univ 19:411-25, Dec 72

Activation of renal cortical adenylate cyclase by circulating immunoreactive parathyroid hormone fragments. Canterbury JM, et al.
J Clin Invest 52:524-7, Feb 73

Fine structural and enzymatic evaluation of bone in thyroparathyroidectomized rats receiving various levels of vitamin D. Weisbrode SE, et al.
Lab Invest 28:29-37, Jan 73

Vitamin D metabolism. MacIntyre I.
N Engl J Med 288:471-2, 1 Mar 73

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)

Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al.
Rev Eur Etud Clin Biol 17:903-5, Nov 72

[Collagenolytic activity in healthy and experimentally damaged rat bone] Prokopová D.
Beitr Rheumatol 18:158-62, 1972 (Ger)

[Parathyroid hormone and arteriosclerosis] Orishige H, et al.
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)

[Pseudohypoparathyroidism] Usa T.
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)

SECRETION

Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata. Martin TJ, et al. **Clin Sci 44:1-8, Jan 73**

Parathyroid hyperfunction in acute renal failure. Serial studies in man. Kovithavongs T, et al.
Nephron 9:349-55, 1972

[Advances in internal medicine] Laroche C, et al.
Rev Prat 22:Suppl:29-32, 25 Nov 72 (Fre)

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

The treatment of prostatic bone metastases with parathormone and radioactive phosphorus. Tong EC, et al. **J Urol 109:71-5, Jan 73**

IV. Bone Metabolism and Related Topics

BONE AND BONES

Biomechanical investigations of Limnopithecus with special reference to the influence exerted by body weight on bone thickness. Preuschoft H, et al. **Am J Phys Anthropol** 38:241-50, Mar 73

Feeding wheat to cattle. 1. The effect of grain to roughage ratio, grain processing and sodium bicarbonate supplementation on productivity and health in steers. Pryor WJ, et al. **Aust Vet J** 48:500-3, Sep 72

The response of haemopoietic colony-forming units and lymphoma cells irradiated in soft tissue (spleen) or a bone cavity(femur) with single doses of X rays, rays or D-T neutrons. Hendry JH. **Br J Radiol** 45:923-32, Dec 72

Anthrax. Ellis M. **Br Med J** 1:354, 10 Feb 73

Thymus cells are inducible to osteogenesis. Friedenstein AJ, et al. **Eur J Immunol** 2:602-3, Dec 72

A simple and effective technique for haversian canals injection. Veleanu C, et al. **Folia Morphol (Praha)** 21:27-30, 1973

Experimental removal of 144 Ce, 241 Am, 242 Cm and 238 Pu from the rat skeleton. Nenot JC, et al. **Health Phys** 23:635-40, Nov 72

Measurement of the velocity of ultrasound in human cortical bone and its potential clinical importance. An in vivo preliminary study. Craven JD, et al. **Invest Radiol** 8:72-7, Mar-Apr 73

Materials for oral implantation--biological and functional criteria. Homsy CA, et al. **J Am Dent Assoc** 86:817-32, Apr 73 (71 ref.)

Time-temperature and time-weight losses in veal roasts. Davis MA, et al. **J Am Diet Assoc** 62:166-70, Feb 73

Autoradiography of freeze-dried marrow, spleen, cartilage and undecalcified bone. Diab IM, et al. **J Reticuloendothel Soc** 12:503-13, Nov 72

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC. **Perspect Biol Med** 16:215-31, Winter 73

[Voluminous retropharyngo-esophageal abscesses resulting from neglected foreign bodies (fish bones) in the hypopharyngo-esophageal region] Janečka V. **Cesk Otolaryngol** 22:49-52, Feb 73 (Eng. Abstr.) (Cze)

[Biochemical changes in bone tissue during preservation in weak formalin solutions] Feigelman SS, et al. **Ortop Travmatol Protez** 33:79-80, Sep 72 (Rus)

ABNORMALITIES

Reduction malformations and chromosome anomalies. Bofinger MK, et al. **Am J Dis Child** 125:135-43, Jan 73

The multiple lentigines syndrome. Nordlund JJ, et al. **Arch Dermatol** 107:259-61, Feb 73

Association of children's diseases in families from record linkage data. Simpson NE, et al. **Can J Genet Cytol** 15:789-800, Dec 72

Pseudo-achondrogenesis with fractures. Harris R, et al. **Clin Genet** 3:435-41, 1972

Management of the young child with bilateral anomalous and functionless lower extremities. Elting JJ, et al. **J Bone Joint Surg [Am]** 54:1523-30, Oct 72

Neurologic manifestations of the Noonan syndrome. Duenas DA, et al. **South Med J** 66:193-6, Feb 73

[Effect of gallium on pregnant mice. I. Morpbological aspects] Caujolle F, et al. **C R Soc Biol (Paris)** 166:952-8, 1972 (Fre)

[Diagnosis of bereditary mucopolysaccharidoses] Onisawa J, et al. **Jap J Dermatol [A]** 82:667-73, Sep 72 (Jap)

ANALYSIS

Effect of subcutaneous fat on bone mineral content measurements witb the 'single-energy' photon absorptiometry technique. Zeitz L. **Acta Radiol [Ther] (Stockh)** 11:401-10, Oct 72

Morpbological and chemical analysis of the structure of the fossil dinosaur bone. Nowicki Z, et al. **Anat Anz** 132:10-23, 1972

Collagen beterogeneity within different growth regions of long bones of rachitic and non-rachitic chicks. Toole BP, et al. **Biochem J** 127:715-20, May 72

Evidence for intramolecular crosslinks in chicken bone collagen: tbe isolation of peptides containing allysine aldol. Eyre DR, et al. **Biochim Biophys Acta** 295:301-7, 25 Jan 73

Relationships between copper, zinc and iron in the plasma, soft tissues and skeleton of the rat during Cu deficiency. Alfaro B, et al. **Br J Nutr** 29:73-85, Jan 73

Brushite octacalcium phosphate, and carbonate-containing apatite in bone. Muenzenberg KJ, et al. **Clin Orthop** 90:271-3, Jan-Feb 73

Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Bar A, et al. **Comp Biochem Physiol [A]** 43:519-26, 1 Nov 72

The amino acid composition of some cretaceous fossils. Matter P 3d, et al. **Comp Biochem Physiol [B]** 43:55-66, 15 Sep 72

The removal of inhaled 144 CeCl 3 from beagle dogs. 3. Bilateral bronchopulmonary lavage with a DTPA solution. Muggenburg BA, et al. **Health Phys** 23:611-9, Nov 72

Experimental removal of 144 Ce, 241 Am, 242 Cm and 238 Pu from the rat skeleton. Nenot JC, et al. **Health Phys** 23:635-40, Nov 72

Tbe removal of inhaled 144 CeCl 3 from beagle dogs. II. Intravenous administration of a DTPA solution. Pfleger RC, et al. **Health Phys** 23:605-9, Nov 72

The removal of inhaled 144 CeCl 3 from beagle dogs. I. Unilateral bronchopulmonary lavage with a DTPA solution. Pfleger RC, et al. **Health Phys** 23:595-603, Nov 72

Sensitivity of the electron spin resonance technique as applied in histochemical research on normal and patbological calcified tissues. Ostrowski K, et al. **Histochemie** 32:343-51, 1972

The measurement of phosphorus in human bone using radioactive neutron sources--a technique for partial body in vivo activation analysis. Boddy K, et al. **Int J Appl Radiat Isot** 24:179-82, Mar 73

Analysis of the effects of adipose tissue on the absorptiometric measurement of bone mineral mass. Wooten WW, et al. **Invest Radiol** 8:84-9, Mar-Apr 73

Calcium and phosphorus requirements of young pigs reared under controlled environmental conditions. Coalson JA, et al. **J Anim Sci** 35:1194-200, Dec 72

Structure of two histidine-containing crosslinks from collagen. Tanzer ML, et al. **J Biol Chem** 248:393-402, 25 Jan 73

Furtber studies concerning the placental transfer of fluoride in tbe rat. Katz S, et al. **J Dent Res** 52:206-10, Mar-Apr 73

Strontium-90 in the exoskeletal ossicles of Dasypus novemcinctus. Jackson CG Jr, et al. **J Mammal** 53:921-2, Nov 72

The measurement of the inorganic phosphate content of brain in the presence of bone fragments. Hawkins RA, et al. **J Neurochem** 20:35-8, Jan 73

Removal of plutonium from mouse liver by glucan and DTPA. Rosenthal MW, et al. **Radiat Res** 53:102-14, Jan 73

Bone mineral measurement by means of photon absorption. Zimmerman RE, et al. **Radiology** 106:561-4, Mar 73

Problems concerning multi-element assay in biological materials. Hamilton EI, et al. **Sci Total Environ** 1:1-14, May 72

[Reduction of fluor emission, a model for environmental protection] Trautwein K, et al. **Berl Munch Tieraerztl Wochenschr** 86:8-11, 1 Jan 73 (Eng. Abstr.) (Ger)

[Release of gentamicin from polymetbylmethacrylate. II. Experimental in vivo tests] Wahlig H, et al. **Langenbecks Arch Chir** 331:193-212, 1972 (Eng. Abstr.) (Ger)

[Radiography of generalized osteopathies] Heuck F. Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Value of bone biopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C. Z Rheumaforsch 31:358-66, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Zinc contents in the bones and whole body of growing rats with various zinc supply. 5. Zinc metabolism in the animal organism] Pallauf J, et al. Z Tierphysiol 30:193-202, Nov 72 (Eng. Abstr.) (Ger)

[Density of mineralization in hard tissues containing protein-polysaccharides or collagen as main constituents of the matrix. Electron microscopy and electron-ray microanalysis of dentin and osteopetrotic bones] Höhling HJ, et al. Z Zellforsch Mikrosk Anat 134:283-96, 1972 (Eng. Abstr.) (Ger)

[Rarefication of implanted hard tissue specimen--resorption in deciduous teeth following root canal therapy] Tränkmann J. ZWR 81:968-77, 25 Oct 72 (Ger)

[Absorption of strontium-85 by hydroxyapatites of biological origin] Golutvina MM, et al. Biol Nauki 3:56-60, 1972 (Rus)

ANATOMY & HISTOLOGY

Correlationships between muscle and bone weights in the upper and lower limbs of human adults and foetuses. Singh I, et al. Anat Anz 132:61-6, 1972

Calcium and phosphorus requirements of young pigs reared under controlled environmental conditions. Coalson JA, et al. J Anim Sci 35:1194-200, Dec 72

[Experimental studies on symptoms evoked by bone compression] Pintér J, et al. Acta Chir Acad Sci Hung 13:165-71, 1972 (Eng. Abstr.) (Ger)

[Careful method of bone and bone marrow biopsy] Donath H. Med Welt 24:295-7, 23 Feb 73 (Ger)

[Analysis of the most common agricultural occupations from the viewpoint of functional anatomy] Lelik F. Z Gesamte Hyg 18:707-13, Sep 72 (Ger)

[Radiography of generalized osteopathies] Heuck F. Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Value of bone biopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C. Z Rheumaforsch 31:358-66, Sep-Oct 72 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Distribution of systemic blood flow during cardiopulmonary bypass. Rudy LW Jr, et al. J Appl Physiol 34:194-200, Feb 73

Venous perfusion of the limb with antibiotics for osteomyelitis and other chronic infections. Finsterbush A, et al. J Bone Joint Surg [Am] 54:1227-34, Sep 72

Bone circulation in hemorrhagic shock. An experimental study. Yu W, et al. J Bone Joint Surg [Am] 54:1157-66, Sep 72

Regional blood flow changes during norepinephrine, tyramine and methoxamine infusions in the unanesthetized rhesus monkey. Hoffbrand BI, et al. J Pharmacol Exp Ther 184:656-61, Mar 73

[Sources of healing of a fracture of tubular bones in different types of osteosynthesis from the standpoint of vessel supply] Mihula A. Rozhl Chir 52:35-41, Jan 73 (Eng. Abstr.) (Cze)

[Ways and systems of carcinoma metastasizing into the skeleton] Moser H. Osterr Z Erforsch Bekaempf Krebskr 27:329-35, 1972 (Eng. Abstr.) (Ger)

CYTOLOGY

Morphological and chemical analysis of the structure of the fossil dinosaur bone. Nowicki Z, et al. Anat Anz 132:10-23, 1972

The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. I. Characterization and assay. Lieberherr M, et al. Biochim Biophys Acta 293:160-9, 12 Jan 73

The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. II. Distribution in subcellular fractions of bone tissue homogenates and structure-linked latency. Vreven J, et al. Biochim Biophys Acta 293:170-7, 12 Jan 73

What's new in surgery. Orthopedic surgery. Mankin HJ. Surg Gynecol Obstet 136:202-6, Feb 73

DRUG EFFECTS

Effects of long-term administration of bendroflumethiazide on bone metabolism in the rat. Jorgensen FS, et al. Acta Pharmacol Toxicol (Kbh) 31:521-8, 1972

Hypervitaminosis E in the chick. March BE, et al. J Nutr 103:371-7, Mar 73

[Collagenolytic activity in healthy and experimentally damaged rat bone] Prokopová D. Beitr Rheumatol 18:158-62, 1972 (Ger)

[Use of a new method of photometric evaluation in the study of drugs acting on the osseous system] Cannella M, et al. Boll Chim Farm 111:489-96, Aug 72 (Ita)

[Calcitonin and homeostasis of the bones] Oktay C. Dentoral (Istanbul) 4:168-71, Jul-Aug 72 (Eng. Abstr.) (Tur)

EMBRYOLOGY

Correlationships between muscle and bone weights in the upper and lower limbs of human adults and foetuses. Singh I, et al. Anat Anz 132:61-6, 1972

Bone induction: a synopsis of current theories. Stolpa JB. Ann Dent 31:78-80, Winter 72

ENZYMOLOGY

The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. I. Characterization and assay. Lieberherr M, et al. Biochim Biophys Acta 293:160-9, 12 Jan 73

The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. II. Distribution in subcellular fractions of bone tissue homogenates and structure-linked latency. Vreven J, et al. Biochim Biophys Acta 293:170-7, 12 Jan 73

The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. Br Poult Sci 14:121-5, Jan 73

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

Alkaline phosphatase values in children. Harris RC. J Pediatr 82:361-2, Feb 73

What's new in surgery. Orthopedic surgery. Mankin HJ. Surg Gynecol Obstet 136:202-6, Feb 73

Characterization of serum alkaline phosphatase in infancy and childhood. Cao A, et al. Z Kinderheilkd 113:289-96, 1972

A new method for the determination of serum nucleotidase. V. Evaluation of the response of serum nucleotidase to bone metastases and therapy in cancer patients. Persijn JP, et al. Z Klin Chem Klin Biochem 10:77-85, Feb 72

[Collagenolytic activity in healthy and experimentally damaged rat bone] Prokopová D. Beitr Rheumatol 18:158-62, 1972 (Ger)

[Serum enzyme levels of intestinal alkaline phosphatases in hyperthyreosis] Ohlen J, et al. Klin Wochenschr 51:143-4, 1 Feb 73 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Skeletal maturation in Japanese as assessed by the Oxford and Tanner-Whitehouse methods. Kimura K. Acta Anat Nippon 47:358-72, Oct 72

[Demonstration methods of bone formation and resorption] Gördes W, et al. Arch Orthop Unfallchir 74:237-46, 1972 (Eng. Abstr.) (Ger)

[Growth disorders in childhood] Bierich JR. Fortschr Med 90:961-6, 28 Sep 72 (Ger)

INJURIES

Bone strength. The effect of screw holes. Burstein AH, et al. J Bone Joint Surg [Am] 54:1143-56, Sep 72

[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)

METABOLISM

Effects of long-term administration of bendroflumethiazide on bone metabolism in the rat. Jorgensen FS, et al.
Acta Pharmacol Toxicol (Kbh) 31:521-8, 1972

Calcium transport systems in the chick calvaria. Neuman WF, et al. **Am J Physiol** 224:600-6, Mar 73

Vitamin D metabolism. Recent advances. Stamp TC.
Arch Dis Child 48:2-7, Jan 73 (59 ref.)

Transplacental passage of demeton in CF-1 mice. Budreau CH, et al.
Arch Environ Health 26:161-3, Mar 73

Familial hyperphosphatasemia with ateliosis and hypermetabolism of growing membranous bone; review of the clinical, radiographic and chemical features. Caffey J.
Bull Hosp Joint Dis 33:81-110, Oct 72

A reproducible quantitative collagenase radiofibril assay. Robertson PB, et al.
Clin Chim Acta 42:43-5, Nov 72

Changes in bone mass in alcoholics. Nilsson BE, et al.
Clin Orthop 90:229-32, Jan-Feb 73

Effect of parathyroid hormone on the incorporation of 3H-glucosamine into hyaluronic acid in bone organ culture. Severson AR, et al.
Endocrinology 92:1282-5, Apr 73

Connective tissue metabolism in swine. IV. Growth dependent changes in the composition of long bones in female swine. Brown RG, et al.
Growth 36:389-406, Dec 72

Alkaline earth metabolism in adult man. A report prepared by a task group of Committee 2 of the International Commission on Radiological Protection (ICRP Publication 20). **Health Phys** 24:125-221, Feb 73

Production of 167 Tm for medical use. Chandra R, et al.
Int J Appl Radiat Isot 23:553-6, Dec 72

Femoral trabecular patterns and bone mineral content. Kranendonk DH, et al.
J Bone Joint Surg [Am] 54:1472-8, Oct 72

Alterations in skeletal calcium and phosphorus in dysfunction of the parathyroids. Cohn SH, et al.
J Clin Endocrinol Metab 36:750-5, Apr 73

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. **J Clin Invest** 52:543-8, Mar 73

Changes in tissue magnesium, calcium and phosphorus levels in magnesium-deficient rats in relation to thiamin excess or deficiency. Itokawa Y, et al.
J Nutr 103:438-43, Mar 73

Hypervitaminosis E in the chick. March BE, et al.
J Nutr 103:371-7, Mar 73

Vitamin A and bone metabolism in the rat. Zile M, et al.
J Nutr 103:308-13, Feb 73

Accumulation of strontium and calcium in freshwater fishes of Japan. Suzuki Y, et al.
J Radiat Res (Tokyo) 13:199-207, Dec 72

The prostaglandins: biology and biochemistry. Hinman JW, et al. **J Reprod Med** 9:262-5, Dec 72

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)

Studies on the pharmacokinetics of bis-quaternary ammonium compounds. 3. Autoradiographic studies on the substituent-dependent distribution pattern of 3 H-hexamethonium-derivatives in mice. Wassermann O.
Naunyn Schmiedebergs Arch Pharmacol 275:251-61, 1972

Radioautographic observations on the uptake and distribution of chromium-51 in mice. Diab M, et al.
Nucl Med (Stuttg) 11:419-27, 30 Dec 72

Development of barium-135m radiopharmaceutical for skeletal imaging. Syed IB, et al.
Nucl Med (Stuttg) 11:291-301, 15 Nov 72

Effect of calcium and vitamin D on fluoride metabolism in the rat. Havivi E. **Nutr Metab** 14:257-61, 1972

Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al.
Rev Eur Etud Clin Biol 17:903-5, Nov 72

Bone densitometry of the femoral midshaft in the protein-deprived rat. Le Roith D, et al.
S Afr Med J 47:72-4, 13 Jan 73

What's new in surgery. Orthopedic surgery. Mankin HJ.
Surg Gynecol Obstet 136:202-6, Feb 73

[Mechanism of action of certain sugars on the absorption and retention of calcium] Fournier P, et al.
C R Acad Sci [D] **(Paris)** 275:85-8, 3 Jul 72 **(Fre)**

[Biological behavior of radioindium (113m In, 114m In) in virgin and pregnant rats] Hor G, et al.
Int J Appl Radiat Isot 23:595-602, Dec 72 (Eng. Abstr.) **(Ger)**

[Alterations of Ca45 metabolism in animals of different age] Oeriu S, et al.
Z Alternsforsch 26:113-9 passim, 1972 **(Ger)**

[Use of a new method of photometric evaluation in the study of drugs acting on the osseous system] Cannella M, et al. **Boll Chim Farm** 111:489-96, Aug 72 **(Ita)**

[Iron, copper, cobalt and zinc metabolism in dogs with atophan ulcers] Parashchak AP.
Biol Nauki 3:36-42, 1972 **(Rus)**

[Accumulation of Sr90 in rat bodies with increased fluorine content in the drinking water] Danetskaia EV, et al.
Gig Sanit 37:49-53, Aug 72 (Eng. Abstr.) **(Rus)**

[ATP-ase and RNA-ase activity in the liver and the concentration of potassium and sodium in white rats with experimental thyroidin toxicosis] Kovtuniak NA, et al.
Probl Endokrinol (Mosk) 18:86-9, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

[Fluorides and the osseous system]
Rev Clin Esp 127:933-4, 30 Nov 72 **(Spa)**

PATHOLOGY

The diagnostic value of aspiration smears. Hajdu SI, et al. **Am J Clin Pathol** 59:350-6, Mar 73

Clinicopathologic conference. Leukemia? Carcinoma? Leukemia and carcinoma? **Am J Med** 54:351-8, Mar 73

Lead poisoning in zoo-dwelling primates. Zook BC, et al.
Am J Phys Anthropol 38:415-23, Mar 73

Congenital macular urticaria pigmentosa complicated by massive nodular mastocytosis with systemic involvement. Bakos L, et al.
Br J Dermatol 87:635-41, Dec 72

Lesions produced by copper deficiency in neonate and older rats. Hall GA, et al. **Br J Nutr** 29:95-104, Jan 73

Effects of haemodialysis on bone in chronic renal failure. Bishop MC, et al. **Br Med J** 2:664-7, 16 Sep 72

Familial hyperphosphatasemia with ateliosis and hypermetabolism of growing membranous bone; review of the clinical, radiographic and chemical features. Caffey J.
Bull Hosp Joint Dis 33:81-110, Oct 72

Clinico-pathologic conference. Hospital for Joint Diseases and Medical Center. June 10, 1972. "Hip pain with generalized skin lesions". Presentation of case. Mankin HJ, et al. **Bull Hosp Joint Dis** 33:116-29, Oct 72

Paget's disease. A case report. Krishnamurthy K, et al.
Indian J Med Sci 26:739-40, Nov 72

Ameloblastic odontosarcoma in a bovine mandible. Binnington JA, et al. **J Pathol** 108:169-72, Oct 72

Hypertrophic osteoarthropathy in a gibbon (Hylobates lar). Ryder-Davies P, et al.
J Small Anim Pract 13:655-8, Nov 72

Cryosurgery in the treatment of solitary or multiple bone metastases from renal cell carcinoma. Marcove RC, et al. **J Urol** 108:540-7, Oct 72

Albright syndrome and leukemia. Shoulson I, et al.
JAMA 223:1041, 26 Feb 73

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 11-1973.
N Engl J Med 288:570-6, 15 Mar 73

[Marble bones disease] Ferbert WN, et al.
Chirurg 44:71-3, Feb 73 (Eng. Abstr.) **(Ger)**

[Early gastric cancer with diffuse osteoplastic marrow metastases presenting a marble-like appearance] Moriwaki H, et al.
Jap J Clin Med 30:2335-41, Nov 72 **(Jap)**

[Cytologic and cytochemical characteristics of Ewing's tumor and reticulosarcoma of the bone] Esiutina OS.
Lab Delo 4:218-21, 1972 **(Rus)**

PHYSIOLOGY

A new method to analyse the mechanical behaviour of skeletal parts. Brekelmans WA, et al.
Acta Orthop Scand 43:301-17, 1972

Microstrain measurements of the deformation of compact bone. Bonfield W, et al.
J Physiol (Lond) 229:5P, Feb 73

Time required to develop bone fragility in laying hens. Rowland LO Jr, et al. **Poult Sci** 51:1339-41, Jul 72

[Experimental studies on symptoms evoked by bone compression] Pintér J, et al.
Acta Chir Acad Sci Hung 13:165-71, 1972 (Eng. Abstr.) **(Ger)**

[Collagenolytic activity in healthy and experimentally

damaged rat bone] Prokopová D.
Beitr Rheumatol 18:158-62, 1972 (Ger)

RADIATION EFFECTS

Experimental radio-osteonecrosis in Rbesus macaque jaws; tberapeutic irradiation dose effect on dental extraction wound bealing. Zacb L, et al.
Am J Phys Anthropol 38:325-30, Mar 73
Internal fixation of secondary deposits in long bones. Bond WH, et al. Br Med J 1:488, 24 Feb 73
Evaluation of mass energy-absorption coefficients of bone and muscle. Atwater HF.
Health Phys 23:739-40, Nov 72

RADIOGRAPHY

Sbort stature and onycbodysplasia. Report of a case resembling Senior syndrome. Mace JW, et al.
Am J Dis Child 125:114-6, Jan 73
Arthropathy in sickle-cell disease. Scbumacher HR, et al. Ann Intern Med 78:203-11, Feb 73
Pseudo-acbondrogenesis witb fractures. Harris R, et al.
Clin Genet 3:435-41, 1972
Juvenile GM 1 gangliosidosis: clinical, patbological, cbemical and enzymatic studies. O'Brien JS, et al.
Clin Genet 3:411-34, 1972
The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids. Thompson JS, et al. J Bone Joint Surg [Am] 54:1490-500, Oct 72
Congenital syphilis, a new (old) diagnostic problem. Sokol AB, et al.
J Indiana State Med Assoc 66:23-9, Jan 73
Radiologic seminar. CXXIV. Gonadal dysgenesis. Gibson JY. J Miss State Med Assoc 14:50-1, Feb 73
Radiographic findings in Turner's syndrome. Armstrong MK, et al. Tex Med 69:95-100, Jan 73
[Demonstration metbods of bone formation and resorption] Gördes W, et al.
Arch Orthop Unfallchir 74:237-46, 1972 (Eng. Abstr.) (Ger)
[Use of a new method of pbotometric evaluation in the study of drugs acting on the osseous system] Cannella M, et al. Boll Chim Farm 111:489-96, Aug 72 (Ita)
[Marble bone disease witb advanced osteosclerotic lesions in radiographs] Fujimori T, et al.
Jap J Clin Radiol 18:125-30, Feb 73 (Jap)
[Scleroderma witb significant bone changes] Ogiwara Y, et al. Jap J Clin Radiol 17:913-7, Nov 72 (Jap)

SURGERY

The emergency skin and bone hook. Ashbell TS.
J Bone Joint Surg [Am] 54:1325, Sep 72
Temperatures measured in buman cortical bone wben drilling. Matthews LS, et al.
J Bone Joint Surg [Am] 54:297-308, Mar 72
[Experimental studies on symptoms evoked by bone compression] Pintér J, et al.
Acta Chir Acad Sci Hung 13:165-71, 1972 (Eng. Abstr.) (Ger)
[Conduction block at the level of tbe popliteal fossa in surgery of the crus and foot] Skoblin AP, et al.
Vestn Khir 108:90-4, Jul 72 (Eng. Abstr.) (Rus)

TRANSPLANTATION

[The biology of lyophilized bomograft in tbe monkey] Spirescu I, et al.
Stomatologia (Bucur) 19:525-33, Nov-Dec 72 (Eng. Abstr.) (Rum)

CALCIFICATION, PHYSIOLOGIC

Collagen beterogeneity within different growtb regions of long bones of rachitic and non-rachitic chicks. Tooie BP, et al. Biochem J 127:715-20, May 72
The role of pbospbolipids in biological calcification: distribution of pbospbolipase activity in calcifying epiphyseal cartilage. Wuthier RE.
Clin Orthop 90:191-200, Jan-Feb 73
Lack of histological evidence of vitamin D abnormality in tbe bones of anephric patients. Bordier PJ, et al.
Clin Sci 44:33-41, Jan 73
Sensitivity of the electron spin resonance technique as applied in histocbemical researcb on normal and patbological calcified tissues. Ostrowski K, et al.
Histochemie 32:343-51, 1972
Calcification of bacillary and streptococcal variants of Bacterionema matruchotii. Ennever J, et al.
J Dent Res 52:305-8, Mar-Apr 73
Some observations on the effect of bypercapnea on ricketic cartilage calcification. Cipriani E, et al.
Johns Hopkins Med J 132:88-94, Feb 73
[Temperature and shell calcium recovery following moult in Echinogammarus berilloni. Comparative study witb Gammarus pulex pulex] Vincent M.
C R Soc Biol (Paris) 166:668-70, 1972 (Fre)
[Histocbemistry of proteins in tbe course of amelogenesis and dentinogenesis. I. Tryptophan] Vercbère M, et al.
Rev Fr Odontostomatol 19:281-90, Jul-Aug 72 (Fre)
[Fine structure of tbe laryngeal cartilages and laryngeal muscles--witb special reference of tbe dynamics of the cricoid and arytenoid cartilages] Kitajima S. J Otolaryngol Jap 75:1263-73, Nov 72 (Jap)
[The biology of lyophilized homograft in the monkey] Spirescu I, et al.
Stomatologia (Bucur) 19:525-33, Nov-Dec 72 (Eng. Abstr.) (Rum)

DRUG EFFECTS

Hypervitaminosis E in the chick. March BE, et al.
J Nutr 103:371-7, Mar 73

CALCIUM

METABOLISM

Biocbemical studies on fracture healing in the rat, with special reference to tbe oxygen supply. Penttinen R.
Acta Chir Scand [Suppl] 432:1-32, 1972
Action potential and contraction of beart muscle. Fozzard HA, et al.
Am J Cardiol 31:182-92, Feb 73 (47 ref.)
Calcium-membrane interactions in tbe myocardium: effects of ouabain, epinephrine and 3',5'-cyclic adenosine monophosphate. Katz AM, et al.
Am J Cardiol 31:193-201, Feb 73 (60 ref.)
Magnesium and tbe pancreas. Hersb T, et al.
Am J Clin Nutr 26:362-6, Mar 73 (31 ref.)
The secretion of electrolytes by tbe pancreas. Scratcberd T, et al.
Am J Clin Nutr 26:326-39, Mar 73 (60 ref.)
Calcium absorption and brusb border pbosphatases following dietary calcium restriction. Krawitt EL, et al. Am J Physiol 224:548-51, Mar 73
Calcium transport systems in tbe chick calvaria. Neuman WF, et al. Am J Physiol 224:600-6, Mar 73
Mitochondria and sarcoplasmic reticulum function in cardiac hypertrophy and failure. Sordahl LA, et al.
Am J Physiol 224:497-502, Mar 73
Biochemical and morpbological studies of the semen from males with diseases of tbe reproductive system. Ruskova S, et al. Andrologie 4:17-24, 1972
The visual process: Excitatory mechanisms in the primary receptor cells. Hagins WA.
Annu Rev Biophys Bioeng 1:131-58, 1972 (157 ref.)
Active transport of calcium ion in sarcoplasmic membranes. Inesi G.
Annu Rev Biophys Bioeng 1:191-210, 1972 (115 ref.)
Interactions between prostaglandin E 1 and calcium at tbe level of the mitocbondrial membrane. Carafoli E, et al. Arch Biochem Biophys 154:40-6, Jan 73
Respiration and pbospboryiation by mitochondria from tbe bepatopancreas of the blue crab (Callinectes sapidus). Cben CH, et al.
Arch Biochem Biophys 154:449-59, Jan 73
ATP syntbesis in sarcoplasmic reticulum. Deamer DW, et al. Arch Biochem Biophys 153:47-54, Nov 72
Influence of lanthanum on contractile properties of a Lamellibranch smooth muscle (ABRM). Baguet F, et al. Arch Int Physiol Biochim 80:831-3, Oct 72
Bronchial secretions and mucociliary clearance. Biochemical characteristics. Barton AD, et al.
Arch Intern Med 131:140-4, Jan 73 (33 ref.)
Mode of action of the antibiotic X-537A on mitocbondrial glutamate oxidation. Lin DC, et al.
Biochem Biophys Res Commun 50:820-5, 5 Feb 73
The effect of rutbenium red on tbe uptake and release of Ca 2+ by mitocbondria. Rossi CS, et al.
Biochem Biophys Res Commun 50:846-52, 5 Feb 73
Binding of Ca 2+ to normal and dicoumarol-induced prothrombin. Stenflo J, et al.
Biochem Biophys Res Commun 50:98-104, 4 Jan 73
Interaction of calcium witb mitocbondria isolated from Ehrlicb ascites tumour cells. Thorne RF, et al.
Biochem Biophys Res Commun 50:294-9, 23 Jan 73

Calcium transport by the subcellular particles of the skeletal muscle of genetically dystrophic hamster. Dhalla NS, et al. Biochem Med 7:159-68, Feb 73

Effects of anesthetics on sodium uptake into rat brain cortex in vitro. Shankaran R, et al. Biochem Pharmacol 21:1763-73, 15 Jun 72

Respiration-dependent transport of carbon dioxide into rat liver mitochondria. Elder JA, et al. Biochemistry 12:976-82, 27 Feb 73

Pathology of malignant hyperpyrexia. Br Med J 1:249, 3 Feb 73

The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Bannister DW, et al. Br Poult Sci 14:121-5, Jan 73

Relationship between Bdellovibrio bacteriovorus 6-5-S and autoclaved host bacteria. Crothers SF, et al. Can J Microbiol 18:1941-8, Dec 72

The effect of sodium and potassium on calcium uptake by frog skeletal muscle mitochondria and vesicles. Batra S. Can J Physiol Pharmacol 50:1157-61, Dec 72

Build-up of calcium content and contractile force in the rabbit heart. Saari JT, et al. Can J Physiol Pharmacol 50:1206-10, Dec 72

Progress in swine nutrition for the veterinarian. Bowland JP. Can Vet J 14:3-11, Jan 73 (80 ref.)

Excitation-contraction coupling and digitalis. Fozzard HA. Circulation 47:5-7, Jan 73

The role of phospholipids in biological calcification: distribution of phospholipase activity in calcifying epiphyseal cartilage. Wuthier RE. Clin Orthop 90:191-200, Jan-Feb 73

The effect of aluminium hydroxide on calcium, phosphorus and aluminium balances, the serum parathyroid hormone concentration and the aluminium content of bone in patients with chronic renal failure. Clarkson EM, et al. Clin Sci 43:519-31, Oct 72

Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Bar A, et al. Comp Biochem Physiol [A] 43:519-26, 1 Nov 72

The storage of calcium and magnesium phosphates and of calcite in the digestive glands of the pulmonata (gastropoda). Burton RF. Comp Biochem Physiol [A] 43:655-63, 1 Nov 72

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al. CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

The possible roles of cellular K for survival of cells at low temperature. Willis JS. Cryobiology 9:351-66, Oct 72

Calcium absorption in health and disease. Ewe K. Ergeb Inn Med Kinderheilkd 33:231-69, 1972

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al. Eur J Clin Invest 3:27-34, Jan 73

Reversal of the EHDP inhibition of calcium absorption by 1,25-dihydroxycholecalciferol. Bonjour JP, et al. Eur J Clin Invest 3:44-8, Jan 73

Two functionally distinct calcium pools in the excitation-contraction coupling process. Ong SD, et al. Experientia 28:1446-7, 15 Dec 72

Membrane junctions in growth and differentiation. Loewenstein WR. Fed Proc 32:60-4, Jan 73 (45 ref.)

Correlation between sperm motility and electrolyte composition of seminal fluid in normal and infertile men. Bondani A, et al. Fertil Steril 24:150-4, Feb 73

Connective tissue metabolism in swine. IV. Growth dependent changes in the composition of long bones in female swine. Brown RG, et al. Growth 36:389-406, Dec 72

Divalent cations in native and reaggregated mycoplasma membranes. Kahane I, et al. J Bacteriol 113:666-71, Feb 73

Purification and properties of the components from tropinin. Greaser ML, et al. J Biol Chem 248:2125-33, 25 Mar 73

Cyclic adenosine 3',5'-monophosphate-stimulated protein kinase and a substrate associated with cardiac sarcoplasmic reticulum. Wray HL, et al. J Biol Chem 248:1496-8, 25 Feb 73

Calcium binding to intestinal membranes. Oschman JL, et al. J Cell Biol 55:58-73, Oct 72

Calcium accumulation by isolated sarcoplasmic reticulum of skeletal muscle during development in tissue culture. Lough JW, et al. J Cell Physiol 80:431-6, Dec 72

Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. J Cell Physiol 80:315-28, Dec 72

Alterations in skeletal calcium and phosphorus in dysfunction of the parathyroids. Cohn SH, et al. J Clin Endocrinol Metab 36:750-5, Apr 73

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. J Clin Invest 52:543-8, Mar 73

Direct measurement of osteolysis in man. Hansen JW, et al. J Clin Invest 52:304-15, Feb 73

Effects of rapid cooling on the mechanical and electrical activities of smooth muscles of guinea pig stomach and taenia coli. Magarihuchi T, et al. J Gen Physiol 61:323-41, Mar 73

Mechanisms of calcium accumulation and transport in cardiac relaxing system (sarcoplasmic reticulum membranes): effects of Verapamil, D-600, X537A and A23187. Entman ML, et al. J Mol Cell Cardiol 4:681-7, Dec 72

Cyclic adenosine 3',5'-monophosphate-dependent protein kinase stimulation of calcium uptake by canine cardiac microsomes. Kirchberger MA, et al. J Mol Cell Cardiol 4:673-80, Dec 72

Myocardial cationic shifts induced by isoproterenol. Electron microscopic and electron probe studies. Yarom R, et al. J Mol Cell Cardiol 4:559-70, Dec 72

The influence of ionic strength on the interaction of quaternary drugs with mammalian acetylcholinesterase in relation to possible regulatory effects. Crone HD. J Neurochem 20:225-36, Jan 73

Calcium-binding phosphoprotein of pig brain: effects of cations on the calcium binding. Wolff DJ, et al. J Neurochem 19:2855-62, Dec 72

Growth, serum chemical values and carcass composition of Pitman-Moore miniature pigs during the first eight weeks of life. Filer LJ Jr, et al. J Nutr 103:425-37, Mar 73

Changes in tissue magnesium, calcium and phosphorus levels in magnesium-deficient rats in relation to thiamin excess or deficiency. Itokawa Y, et al. J Nutr 103:438-43, Mar 73

Calcium excretion in cystic fibrosis. Gruskin AB, et al. J Pediatr 82:344-5, Feb 73

The role of calcium in "nonspecific" supersensitivity of vascular muscle. Carrier O Jr, et al. J Pharmacol Exp Ther 184:81-94, Jan 73

Mobility and transport of magnesium in squid giant axons. Baker PF, et al. J Physiol (Lond) 227:855-74, Dec 72

The specific effect of potassium on transmitter release by motor nerve terminals and its inhibition by calcium. Cooke JD, et al. J Physiol (Lond) 228:435-58, Jan 73

Metal inhibitors of calcium uptake by the duodenum of the rat. O'Donnell JM, et al. J Physiol (Lond) 227:12P-13P, Dec 72

Accumulation of strontium and calcium in freshwater fishes of Japan. Suzuki Y, et al. J Radiat Res (Tokyo) 13:199-207, Dec 72

Prostaglandin's part in regulating uterine contraction by transport of calcium. Carsten ME. J Reprod Med 9:277-82, Dec 72

Prostaglandins and reproduction. Kirton KT, et al. J Reprod Med 9:266-70, Dec 72 (30 ref.)

Pseudogout after parathyroidectomy. Bilezikian JP, et al. Lancet 1:445-6, 3 Mar 73

Effects of purified phytate and phytate-rich bread upon metabolism of zinc, calcium, phosphorus, and nitrogen in man. Reinhold JG, et al. Lancet 1:283-8, 10 Feb 73

Isolation, amino acid composition, and radioimmunoassay of human brain S 100 protein. Uozumi T, et al. Mayo Clin Proc 48:50-6, Jan 73

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al. Metabolism 22:507-31, Mar 73 (181 ref.)

The stimulus-secretion coupling of glucose-induced insulin release. XI. Effects of theophylline and epinephrine on Ca efflux from perifused islets. Brisson GR, et al. Metabolism 22:455-65, Mar 73

Metabolic response to growth hormone administration, with particular reference to the occurrence of hypercalcuria. Bryson MF, et al. Pediatr Res 6:743-51, Oct 72

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC. Perspect Biol Med 16:215-31, Winter 73

Selective inhibition of the transmembrane Ca

conductivity of mammalian myocardial fibres by Ni, Co and Mn ions. Kohlhardt M, et al. **Pfluegers Arch 338:115-23, 22 Jan 73**

Effects of Ca-free and EDTA-containing tyrode solution on transmembrane electrical activity and contraction in guinea pig papillary muscle. Tritthart H, et al. **Pfluegers Arch 338:361-76, 1973**

Heat studies in excitable tissues. Abbott BC, et al. **Physiol Rev 53:120-58, Jan 73 (121 ref.)**

Protein requirement of growing turkeys. Eherst DP, et al. **Poult Sci 51:1309-12, Jul 72**

Time required to develop bone fragility in laying hens. Rowland LO Jr, et al. **Poult Sci 51:1339-41, Jul 72**

Biochemical studies on malignant hyperpyrexia. Pennington RJ, et al. **Proc R Soc Med 66:69-70, Jan 73**

Erythrocyte enigmas in cystic fibrosis. Hadden JW, et al. **Proc Soc Exp Biol Med 142:577-9, Feb 73**

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al. **Q J Med 42:125-49, Jan 73**

Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al. **Rev Eur Etud Clin Biol 17:903-5, Nov 72**

Bone densitometry of the femoral midshaft in the protein-deprived rat. Le Roith D, et al. **S Afr Med J 47:72-4, 13 Jan 73**

A comparative study of demineralization of enamel evaluated by means of 32 P uptake and calcium release. Mörch T, et al. **Scand J Dent Res 81:27-34, 1973**

Cold-induced diuresis. A study with special reference to electrolyte excretion, osmolal balance and hormonal changes. Lennquist S. **Scand J Urol Nephrol 9:Suppl 9:1-142, 1972**

Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR. **Steroids 20:639-50, Nov 72**

Ultrastructure of the outer epithelium of the mantle in the clam Mercenaria mercenaria in relation to calcification of the shell. Neff JM. **Tissue Cell 4:591-600, 1972**

[Abnormal elastic fibers. Degeneration and calcification in skin and arteries] Danielsen L. **Ugeskr Laeger 134:2759-61, 25 Dec 72 (Eng. Abstr.) (Dan)**

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypopbyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) (Fre)**

[Behavior of S. gallinarum-pullorum in enriched and selective media for Salmonella] Vassiliadis P, et al. **Ann Inst Pasteur (Paris) 123:231-8, Aug 72 (Eng. Abstr.) (Fre)**

[Calcium intake and acetylcholine liberation in the electric organ of the torpedo] Bahel-Guérin E, et al. **C R Acad Sci [D] (Paris) 275:2961-4, 18 Dec 72 (Fre)**

[Study of the effect of an ose on the absorption of an alkaline earth by means of the competition of the combination they can form and of compounds giving more stable complexes, manganese or complexon 3] Flauder M, et al. **C R Acad Sci [D] (Paris) 275:2909-12, 18 Dec 72 (Fre)**

[Ultrastructural data on calcium localization in the thyroid gland of rats and dormice] Martoja M. **C R Acad Sci [D] (Paris) 275:2021-4, 30 Oct 72 (Fre)**

[Temperature and shell calcium recovery following moult in Echinogammarus berilloni. Comparative study with Gammarus pulex pulex] Vincent M. **C R Soc Biol (Paris) 166:668-70, 1972 (Fre)**

[Effect of temperature upon the relation between content and extracellular concentration of calcium at the neuromuscular junction in frogs] Benoit PR. **J Physiol (Paris) 65:Suppl:199A, Oct 72 (Fre)**

[Effect of hypocalcic and hyposodic solutions upon cardiac slow penetrating transmembrane currents] Chesnais JM, et al. **J Physiol (Paris) 65:Suppl:218A-219, Oct 72 (Fre)**

[Calcium-lanthanide relations at the heart level in vitro in rabbits] Joffre J, et al. **J Physiol (Paris) 65:Suppl:248A-249, Oct 72 (Fre)**

[Calcic response and cholinergic sensitivity at the neuromuscular junction] Lievremont M, et al. **J Physiol (Paris) 65:Suppl:264A, Oct 72 (Fre)**

[Demonstration with aequorine photoprotein of variations of calcium activity in Aplysia neurons] Stinnakre J, et al. **J Physiol (Paris) 65:Suppl:308A, Oct 72 (Fre)**

[Movement and distribution of calcium in the cardiac muscle of fishes in relation to extracellular sodium and calcium] Van Kerkhove E, et al. **J Physiol (Paris) 65:Suppl:311A-312, Oct 72 (Fre)**

[Tubulopathies and amyloid disease: 2 cases of De Toni-Debré-Fanconi syndrome] Palma-Carlos AG, et al. **Nouv Presse Med 2:511, 24 Feb 73 (Fre)**

[Hyperosmolar coma revealing diabetes in an adult with type II Albright's syndrome] Voog R, et al. **Sem Hop Paris 48:3563-7, 26 Dec 72 (Fre)**

[Effect of temperature on membrane potential and ion content (Studies on isolated frog skeletal muscles)] Caffier G, et al. **Acta Biol Med Ger 29:109-18, 1972 (Eng. Abstr.) (Ger)**

[Functional criteria of inner-membrane-fractions from rat liver mitochondria. I. Digitonin particles] Liese W, et al. **Acta Biol Med Ger 29:355-68, 1972 (Eng. Abstr.) (Ger)**

[Studies on the pathogenesis of hypomagnesemic tetany. II. Changes of calcium, phosphorus, potassium, and sodium levels in the blood and cerebrospinal fluid during hypomagnesemia in the sheep] Scholz H, et al. **Dtsch Tieraerztl Wochenschr 79:615-9, 15 Dec 72 (Eng. Abstr.) (Ger)**

[Calcium-loss-kidney of multiple myeloma and its metabolic consecutive reactions] Kaiser W, et al. **Z Gesamte Inn Med 27:995-9, 15 Nov 72 (Eng. Abstr.) (Ger)**

[Calcipenic osteopathies from the viewpoint of the rheumatologist] Bartelheimer H. **Z Rheumaforsch 31:321-4, Sep-Oct 72 (Eng. Abstr.) (Ger)**

[Value of bone biopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C. **Z Rheumaforsch 31:358-66, Sep-Oct 72 (Eng. Abstr.) (Ger)**

[Nuclear medicine in the diagnosis of isolated and generalized bone alterations] Montz R. **Z Rheumaforsch 31:344-57, Sep-Oct 72 (Eng. Abstr.) (Ger)**

[Case of osteoporomalacia in a nepbroscierotic person] Pollono F, et al. **Arch Sci Med (Torino) 129:186-92, Jul-Sep 72 (Eng. Abstr.) (Ita)**

[Idiopathic familial chronic hypoparathyroidism in infancy. Description of 2 cases classifiable in the Whitaker syndrome] Corvaglia E. **Minerva Pediatr 25:104-19, 4 Feb 73 (Eng. Abstr.) (Ita)**

[Calcium ion affecting lens transparency] Fukui S. **Acta Soc Ophthalmol Jap 76:1303-8, Oct 72 (Eng. Abstr.) (Jap)**

[Coupling mechanism of ATP hydrolysis to active transport in sarcoplasmic reticulum] Kanazawa T. **J Jap Biochem Soc 44:323-39, Aug 72 (63 ref.) (Jap)**

[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al. **Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)**

[Pseudohypoparathyroidism] Usa T. **Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)**

[New views on the pathophysiology of disseminated sclerosis] Cendrowski W. **Neurol Neurochir Pol 6:817-21, Nov-Dec 72 (Pol)**

[Treatment of chronic renal failure] Rowińska D. **Pol Arch Med Wewn 50:91-100, Jan 73 (Pol)**

[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS. **Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)**

[Ionic regulation and function of the organ of Bolanus in marine bivalve molluscs] Natochin IuV, et al. **Zh Evol Biokhim Fiziol 8:133-41, Mar-Apr 72 (Eng. Abstr.) (Rus)**

[Various changes in the calcium metabolism following stomach resection] Beňo L, et al. **Bratisl Lek Listy 58:573-80, 5 Nov 72 (Eng. Abstr.) (Slo)**

CHOLECALCIFEROL

[Solubilization of vitamin D 3 in a micellar solution] Carre M, et al. **C R Soc Biol (Paris) 166:807-11, 1972 (Fre)**

ADMINISTRATION & DOSAGE

Vitamin A and bone metabolism in the rat. Zile M, et al. **J Nutr 103:308-13, Feb 73**

Effect of vitamin D3 on the transformation of 7-dehydrocholesterol to cholesterol in the rat liver. Moriuchi S, et al. **J Vitaminol (Kyoto) 18:97-101, 10 Jun 72**

ADVERSE EFFECTS

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

BIOSYNTHESIS

Vitamin D metabolism. Recent advances. Stamp TC. Arch Dis Child 48:2-7, Jan 73 (59 ref.)

METABOLISM

Calcium metabolism in pancreatic disease. D'Souza A, et al. Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)
Vitamin D metabolism. Recent advances. Stamp TC. Arch Dis Child 48:2-7, Jan 73 (59 ref.)
Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al. Metabolism 22:507-31, Mar 73 (181 ref.)
Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR. Steroids 20:639-50, Nov 72
[Study of vitamin D 3 absorption with a micellar solution of H 3 -labeled vitamin D 3 in the in situ isolated intestinal loop of rats] Carre M, et al. C R Soc Biol (Paris) 166:843-8, 1972 (Fre)

PHARMACODYNAMICS

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73
Effect of vitamin D3 on the transformation of 7-dehydrocholesterol to cholesterol in the rat liver. Moriuchi S, et al. J Vitaminol (Kyoto) 18:97-101, 10 Jun 72

PHYSIOLOGY

Calcium metabolism in pancreatic disease. D'Souza A, et al. Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)

DIHYDROTACHYSTEROL

ANALYSIS

The gas chromatography of calciferol, dihydrotachysterol and cholesterol. Evans JR. Clin Chim Acta 42:167-74, Nov 72

METABOLISM

Vitamin D metabolism. Recent advances. Stamp TC. Arch Dis Child 48:2-7, Jan 73 (59 ref.)

THERAPEUTIC USE

Successful removal of single metastasis in recurrent parathyroid carcinoma. Davies DR, et al. Br Med J 1:397-8, 17 Feb 73
Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al. Eur J Clin Invest 3:27-34, Jan 73
[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH. Helv Chir Acta 39:737-40, Dec 72 (Ger)

ERGOCALCIFEROL

ANALYSIS

The gas chromatography of calciferol, dihydrotachysterol and cholesterol. Evans JR. Clin Chim Acta 42:167-74, Nov 72
Studies on the ultraviolet irradiation of provitamin D and its related compounds. II. Determination of potential vitamin D2 in ultraviolet irradiated products of ergosterol by gas-liquid chromatography. Kobayashi T, et al. J Vitaminol (Kyoto) 18:78-83, 10 Jun 72

CHEMICAL SYNTHESIS

Synthesis of (4- 14 C) ergosterol and (4- 14 C) ergocalciferol. Pelc B, et al. J Chem Soc [Perkin I] 23:2980-1, 1972

METABOLISM

Vitamin D metabolism. Recent advances. Stamp TC. Arch Dis Child 48:2-7, Jan 73 (59 ref.)
Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al. Metabolism 22:507-31, Mar 73 (181 ref.)

PHARMACODYNAMICS

Effect of calcium and vitamin D on fluoride metabolism in the rat. Havivi E. Nutr Metab 14:257-61, 1972

THERAPEUTIC USE

Natural history of segmental lesions in primary pulmonary tuberculosis: long-term review of 383 patients. Morrison JB. Arch Dis Child 48:90-8, Feb 73

HYDROXYCHOLECALCIFEROL

ADMINISTRATION & DOSAGE

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. J Clin Invest 52:543-8, Mar 73
25-Hydroxycholecalciderol dynamics in human plasma. Bec P, et al. Rev Eur Etud Clin Biol 17:793-6, Oct 72

BIOSYNTHESIS

Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR. Steroids 20:639-50, Nov 72

BLOOD

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. J Clin Invest 52:543-8, Mar 73
25-Hydroxycholecalciderol dynamics in human plasma. Bec P, et al. Rev Eur Etud Clin Biol 17:793-6, Oct 72
Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR. Steroids 20:639-50, Nov 72

METABOLISM

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. J Clin Invest 52:543-8, Mar 73
Vitamin D metabolism. MacIntyre I. N Engl J Med 288:471-2, 1 Mar 73
25-Hydroxycholecalciderol dynamics in human plasma. Bec P, et al. Rev Eur Etud Clin Biol 17:793-6, Oct 72
Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al. Rev Eur Etud Clin Biol 17:903-5, Nov 72

PHARMACODYNAMICS

Reversal of the EHDP inhibition of calcium absorption by 1,25-dihydroxycholecalciferol. Bonjour JP, et al. Eur J Clin Invest 3:44-8, Jan 73
Parathyroid glands and bone calcium mobilization by 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al. Rev Eur Etud Clin Biol 17:903-5, Nov 72
Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR. Steroids 20:639-50, Nov 72

THERAPEUTIC USE

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Frolik CA, et al. J Clin Invest 52:543-8, Mar 73
[Effect of 25-HCC in a hypocalcemic patient with active metastases from an operated thyroid medullary tumor] Miravet L, et al. Ann Endocrinol (Paris) 33:270-1, May-Jun 72 (Eng. Abstr.) (Fre)

HYPERCALCEMIA

Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al. Practitioner 209:811-6, Dec 72
The problem of hypercalcemia. Salmon WD Jr. South Med J 66:85-91, Jan 73

[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)

BLOOD

Tumor hypercalcemia. Roof BS.
Calif Med 118:35-6, Jan 73

CHEMICALLY INDUCED

Reversal of the EHDP inhibition of calcium absorption by 1,25-dihydroxycholecalciferol. Bonjour JP, et al.
Eur J Clin Invest 3:44-8, Jan 73
The hypocalcemic effect of glucagon in cases of hypercalcemia. Ulhrych-Jahlońska A.
Helv Paediatr Acta 27:613-5, Dec 72
Mithramycin in the treatment of Paget's disease of bone. Elias EG, et al.
J Bone Joint Surg [Am] 54:1730-6, Dec 72
Rapid estrogen-induced hypercalcemia. Swaroop S, et al. JAMA 223:913-4, 19 Feb 73
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
[Acute vitamin A intoxication with hemolytic anemia, hypercalcemia and toxic hepatosis] Leicht E, et al.
Med Klin 68:54-9, 12 Jan 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Significance of increased alkaline phosphatase and lactate dehydrogenase activities coincident with normal serum bilirubin. Betro MG.
Clin Chem 18:1427-9, Nov 72
Aphasia complicated by hypercalcemia. Schwebel MC, et al. J Speech Hear Disord 37:542-7, Nov 72
Calcium phosphate colloid: possible nidus for metastatic calcification in hypercalcemia. Chaudhuri TK, et al. JAMA 222:1061, 20 Nov 72
Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al.
Virchows Arch [Pathol Anat] 358:225-39, 1973
[Myoglobinuria caused by McArdle's disease complicated by anuric acute renal failure] Chanard J, et al.
Arch Fr Pediatr 29:505-11, May 72 (Eng. Abstr.) (Fre)
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
[Anomalies of calcium metabolism] Ogata E.
Jap J Clin Med 30:2255-61, Nov 72 (12 ref.) (Jap)
[The floppy infant syndrome] Zellweger H.
Pediatr Pol 48:99-107, Jan 73 (14 ref.) (Eng. Abstr.) (Pol)

DIAGNOSIS

Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al.
Practitioner 209:811-6, Dec 72
The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
[Practical method for the treatment of metastases from breast neoplasms] Baillet F, et al.
J Radiol Electrol Med Nucl 53:905, Dec 72 (Fre)
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
[Anomalies of calcium metabolism] Ogata E.
Jap J Clin Med 30:2255-61, Nov 72 (12 ref.) (Jap)

DRUG THERAPY

Stilboestrol diphosphate in hypercalcaemia due to parathyroid carcinoma. Sigurdsson G, et al.
Br Med J 1:27-8, 6 Jan 73
Treatment with calcitonin. Br Med J 1:371-2, 17 Feb 73
The hypocalcemic effect of glucagon in cases of hypercalcemia. Ulhrych-Jahlońska A.
Helv Paediatr Acta 27:613-5, Dec 72
Effect of gammaglobulin on hypercalcemia with cancer. Brugarolas A, et al. NY State J Med 73:452-4, 1 Feb 73
The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
Treatment of hypercalcemia with furosemide and corticosteroids. Latos DL, et al.
W Va Med J 69:52-4, Mar 73
[Treatment of hypercalcemia with mithramycin] Halver B.
Ugeskr Laeger 134:2702-5, 18 Dec 72 (Eng. Abstr.) (Dan)
[Discussion of the treatment of hypercalcemia with furosemide] Florentino M.
Nouv Presse Med 2:245, 27 Jan 73 (Fre)
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)

ETIOLOGY

Stilboestrol diphosphate in hypercalcaemia due to parathyroid carcinoma. Sigurdsson G, et al.
Br Med J 1:27-8, 6 Jan 73
Tumor hypercalcemia. Roof BS.
Calif Med 118:35-6, Jan 73
Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. Grimelius L, et al.
J Pathol 108:23-33, Sep 72
Ectopic hyperparathyroidism with renal calculi and subperiosteal bone resorption. Report of case. Scholz DA, et al. Mayo Clin Proc 48:124-6, Feb 73
Effect of gammaglobulin on hypercalcemia with cancer. Brugarolas A, et al. NY State J Med 73:452-4, 1 Feb 73
Clinical features of adenocarcinoma of the kidney. Steyn J, et al. S Afr Med J 47:175-8, 3 Feb 73
The problem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
Treatment of hypercalcemia with furosemide and corticosteroids. Latos DL, et al.
W Va Med J 69:52-4, Mar 73
[Treatment of hypercalcemia with mithramycin] Halver B.
Ugeskr Laeger 134:2702-5, 18 Dec 72 (Eng. Abstr.) (Dan)
[A case of pulmonary calcinosis during diffuse myelomatosis] Kempf F, et al.
J Radiol Electrol Med Nucl 53:861-5, Dec 72 (Eng. Abstr.) (Fre)
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
[Secondary hyperparathyroidism in chronic renal failure] Durič DS, et al.
Acta Med Iugosl 26:329-38, 1972 (Eng. Abstr.) (Cro)

METABOLISM

[Discussion of the treatment of hypercalcemia with furosemide] Florentino M.
Nouv Presse Med 2:245, 27 Jan 73 (Fre)

PATHOLOGY

Structure and function of thyroid C cells in newborn rats. Christov K, et al. Beitr Pathol 147:341-51, 1972
Secondary hypercalcemic hyperparathyroidism. Bergdahl L, et al.
Virchows Arch [Pathol Anat] 358:225-39, 1973

PHYSIOPATHOLOGY

The dissociation of gastric acid output and plasma gastrin concentration after calcium infusions in conscious monkeys. Rosato EF, et al.
Surgery 73:207-11, Feb 73
[Polygraphic study of left ventricular dynamics in induced hypercalcemia in humans] Forconi S, et al.
Boll Soc Ital Cardiol 17:317-24, 1972 (Eng. Abstr.) (Ita)

THERAPY

Hypercalcaemia. Some problems of diagnosis and management. Paterson CR, et al.
Practitioner 209:811-6, Dec 72

VETERINARY

Pseudohyperparathyroidism in the dog. Osborne CA, et al. J Am Vet Med Assoc 162:125-35, 15 Jan 73

OSTEOGENESIS IMPERFECTA

Mitral valve disease and open heart surgery in osteogenesis imperfecta tarda. Wood SJ, et al. **Br Heart J** 35:103-6, Jan 73

[Clinical aspects of osteogenesis imperfecta] Slotoscb H. **Dtsch Stomatol** 22:784-9, Oct 72 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Mitral valve disease and open heart surgery in osteogenesis imperfecta tarda. Wood SJ, et al. **Br Heart J** 35:103-6, Jan 73

The hip in heritable conditions of connective tissue. Stelling FH. **Clin Orthop** 90:33-49, Jan-Feb 73

Osteogenesis imperfecta tarda (a case report). Pande RS, et al. **J Assoc Physicians India** 20:463-5, Jun 72

[Clinical aspects of osteogenesis imperfecta] Slotoscb H. **Dtsch Stomatol** 22:784-9, Oct 72 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Clinical aspects of osteogenesis imperfecta] Slotoscb H. **Dtsch Stomatol** 22:784-9, Oct 72 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[A case of cervical aorta in a patient with Lobstein's disease] Rochemaure J, et al. **Coeur Med Interne** 11:771-3, Oct-Dec 72 (Eng. Abstr.) **(Fre)**

[Clinical aspects of osteogenesis imperfecta] Slotoscb H. **Dtsch Stomatol** 22:784-9, Oct 72 (Eng. Abstr.) **(Ger)**

[Scleromalacia] Sommer G, et al. **Klin Monatsbl Augenheilkd** 161:545-51, Nov 72 (Eng. Abstr.) **(Ger)**

[Prader-Willi syndrome combined with Lobstein syndrome] Krajča K, et al. **Bratisl Lek Listy** 59:208-13, Feb 73 (Eng. Abstr.) **(Slo)**

PATHOLOGY

[Electron microscopy findings on the cornea and sclera in osteogenesis imperfecta] Eichholtz W, et al. **Klin Monatsbl Augenheilkd** 161:646-53, Dec 72 (Eng. Abstr.) **(Ger)**

[Electron microscopy findings on the corena and sclera in osteogenesis imperfecta] Eichholtz W, et al. **Klin Monatsbl Augenheilkd** 161:646-53, Dec 72 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Pelvic bones in systemic diseases] Giesen H, et al. **Fortschr Med** 90:980-4, 28 Sep 72 **(Ger)**

RADIOGRAPHY

Mitral valve disease and open heart surgery in osteogenesis imperfecta tarda. Wood SJ, et al. **Br Heart J** 35:103-6, Jan 73

[A case of cervical aorta in a patient with Lobstein's disease] Rochemaure J, et al. **Coeur Med Interne** 11:771-3, Oct-Dec 72 (Eng. Abstr.) **(Fre)**

[Clinical aspects of osteogenesis imperfecta] Slotoscb H. **Dtsch Stomatol** 22:784-9, Oct 72 (Eng. Abstr.) **(Ger)**

[Radiography of generalized osteopathies] Heuck F. **Z Rheumaforsch** 31:324-44, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

URINE

[Does the determination of acid mucopolysaccharides and hydroxyproline contribute to the differential diagnosis of fibrous dysplasia (Jaffé-Lichtenstein) and osteogenesis imperfecta congenita?] Beck O, et al. **Beitr Orthop Traumatol** 19:740-2, Dec 72 **(Ger)**

OSTEOMALACIA

[Reintervention following surgical treatment of gastroduodenal ulcer disease] Faust H, et al. **Chirurg** 44:1-6, Jan 73 **(Ger)**

CHEMICALLY INDUCED

Antiepileptic drugs and development of rickets. Livingston S, et al. **J Pediatr** 82:347-8, Feb 73

DIAGNOSIS

[Value of bone biopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C. **Z Rheumaforsch** 31:358-66, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

[Case of osteoporomalacia in a nephrosclerotic person] Poliono F, et al. **Arch Sci Med (Torino)** 129:186-92, Jul-Sep 72 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al. **Q J Med** 42:125-49, Jan 73

ETIOLOGY

Vitamin D metabolism. Recent advances. Stamp TC. **Arch Dis Child** 48:2-7, Jan 73 (59 ref.)

Osteomalacia in neurofibromatosis. **J Assoc Physicians India** 20:411-2, May 72

Antiepileptic drugs and development of rickets. Livingston S, et al. **J Pediatr** 82:347-8, Feb 73

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC. **Perspect Biol Med** 16:215-31, Winter 73

[Case of osteoporomalacia in a nephrosclerotic person] Poliono F, et al. **Arch Sci Med (Torino)** 129:186-92, Jul-Sep 72 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Adenocarcinoma of the duodenum and the Gardner syndrome. Schnur PL, et al. **JAMA** 223:1229-32, 12 Mar 73

[Familial incidence of intestinal carcinoma] Feinstein R, et al. **Schweiz Med Wochenschr** 102:1687-92, 18 Nov 72 (Eng. Abstr.) **(Ger)**

METABOLISM

[Calcipenic osteopathies from the viewpoint of the rheumatologist] Bartelheimer H. **Z Rheumaforsch** 31:321-4, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al. **Q J Med** 42:125-49, Jan 73

PATHOLOGY

Effects of haemodialysis on bone in chronic renal failure. Bishop MC, et al. **Br Med J** 3:664-7, 16 Sep 72

Lack of histological evidence of vitamin D abnormality in the bones of anephric patients. Bordier PJ, et al. **Clin Sci** 44:33-41, Jan 73

RADIOGRAPHY

[Radiography of generalized osteopathies] Heuck F. **Z Rheumaforsch** 31:324-44, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

URINE

Osteomalacia in neurofibromatosis. **J Assoc Physicians India** 20:411-2, May 72

OSTEOPETROSIS

DIAGNOSIS

[Marble bones disease] Herbert WN, et al. **Chirurg** 44:71-3, Feb 73 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Comparison of pyknodysostosis with manifestations of typical Albers-Schönberg osteopetrosis] Grepl J. **Cesk Radiol** 27:35-42, Jan 73 (Eng. Abstr.) **(Cze)**

METABOLISM

[Density of mineralization in hard tissues containing protein-polysaccharides or collagen as main constituents of the matrix. Electron microscopy and electron-ray microanalysis of dentin and osteopetrotic hones] Höhling HJ, et al.
Z Zellforsch Mikrosk Anat 134:283-96, 1972 (Eng. Abstr.) (Ger)

PATHOLOGY

[Marbie hones disease] Ferbert WN, et al.
Chirurg 44:71-3, Feh 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Pelvic hones in systemic diseases] Giesen H, et al.
Fortschr Med 90:980-4, 28 Sep 72 (Ger)

RADIOGRAPHY

Pycnodysostosis (the malady of Toulouse Lautrec). A case report. Chandrasekhar KP, et al.
J Assoc Physicians India 20:867-70, Nov 72
[Comparison of pyknodysostosis with manifestations of typical Albers-Schönberg osteopetrosis] Grepl J.
Cesk Radiol 27:35-42, Jan 73 (Eng. Abstr.) (Cze)
[Marbie hones disease] Ferbert WN, et al.
Chirurg 44:71-3, Feh 73 (Eng. Ahstr.) (Ger)
[Radiography of generalized osteopathies] Heuck F.
Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Ahstr.) (Ger)
[Marbie bone disease with advanced osteosclerotic iesions in radiographs] Fujimori T, et al.
Jap J Clin Radiol 18:125-30, Feb 73 (Jap)

OSTEOPOROSIS

Osteoporosis. Fleischer CJ.
Md State Med J 22:82-6, Jan 73
Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73
[Orthopedic problems in presenile osteoporosis] Otte P.
Z Rheumaforsch 31:388-400, Sep-Oct 72 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Alcoholism and its effect on the human hip. Leach RE, et al. Clin Orthop 90:95-9, Jan-Feb 73
The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids. Thompson JS, et al. J Bone Joint Surg [Am] 54:1490-500, Oct 72
[Experimental osteoporosis in lathyritic rats] Zweymüller K, et al.
Arch Orthop Unfallchir 74:160-4, 1972 (Eng. Abstr.) (Ger)

CLASSIFICATION

Osteoporosis. Fleischer CJ.
Md State Med J 22:82-6, Jan 73

COMPLICATIONS

The inter-relationship hetween vertebral fractures and osteoporosis. Boukhris R, et al.
Clin Orthop 90:209-16, Jan-Feb 73
Massive articular osteolysis in rheumatoid arthritis, treated hy total hip replacement. Case report and review of literature. Kennedy WR, et al.
Clin Orthop 90:161-73, Jan-Feb 73
Progressive peripheral fibromuscular hyperplasia in an infant: a possihle manifestation of the rubella syndrome. Stewart DR, et al. Surgery 73:374-80, Mar 73
[Experimental osteoporosis in lathyritic rats] Zweymüller K, et al.
Arch Orthop Unfallchir 74:160-4, 1972 (Eng. Abstr.) (Ger)
[Studies on the facial skull and periodontium in patients with chronic kidney diseases] Konzack K, et al.
Dtsch Stomatol 22:779-83, Oct 72 (Eng. Abstr.) (Ger)
[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) (Ger)
[Orthopedic problems in presenile osteoporosis] Otte P.
Z Rheumaforsch 31:388-400, Sep-Oct 72 (Eng. Abstr.) (Ger)

DIAGNOSIS

Clinico-pathologic conference. Hospital for Joint Diseases and Medical Center. June 10, 1972. "Hip pain with generalized skin lesions". Presentation of case. Mankin HJ, et al. Bull Hosp Joint Dis 33:116-29, Oct 72
Tuherculosis of the spine: a reminder. Marcq M, et al.
Chest 63:403-8, Mar 73
Measurement of the veiocity of ultrasound in human cortical bone and its potential clinical importance. An in vivo preliminary study. Craven JD, et al.
Invest Radiol 8:72-7, Mar-Apr 73
Femoral trabecular patterns and bone mineral content. Kranendonk DH, et al.
J Bone Joint Surg [Am] 54:1472-8, Oct 72
Osteoporosis. Fleischer CJ.
Md State Med J 22:82-6, Jan 73
[2 cases of spondylo-metaphysial dysostosis: Mürk Jansen's disease and Schmidt's disease] Labat JP.
Bord Med 5:1419-26, Jun 72 (Eng. Abstr.) (Fre)
[Value of hone hiopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C.
Z Rheumaforsch 31:358-66, Sep-Oct 72 (Eng. Abstr.) (Ger)
[Nuclear medicine in the diagnosis of isolated and generalized bone alterations] Montz R.
Z Rheumaforsch 31:344-57, Sep-Oct 72 (Eng. Abstr.) (Ger)
[Case of osteoporomalacia in a nephroscierotic person] Pollono F, et al.
Arch Sci Med (Torino) 129:186-92, Jul-Sep 72 (Eng. Abstr.) (Ita)

DRUG THERAPY

Osteoporosis. Fleischer CJ.
Md State Med J 22:82-6, Jan 73
[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) (Ger)
[Fluorides and the osseous system]
Rev Clin Esp 127:933-4, 30 Nov 72 (Spa)

ETIOLOGY

The development of osteoporosis. A hypothesis based on a study of human bone structure. Atkinson PJ, et al. Clin Orthop 90:217-28, Jan-Feh 73
Radiographic changes in iron deficiency anaemia. Agarwal KN. Indian Pediatr 9:361-2, Jul 72
Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73
Joint and bone disorders and hypoparathyroidism in hemochromatosis. Sèze S de, et al.
Semin Arthritis Rheum 2:71-94, Summer 72 (80 ref.)
[Osteoporosis in multiple sclerosis] Dechamps P, et al.
Acta Neurol Belg 72:215-25, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Necrosis of the femur head with rapid chondrolysis] Lequesne M. Acta Orthop Belg 38:516-25, Oct 72 (Fre)
[Microangiographic study of femur head ischemia] Collard M, et al.
J Radiol Electrol Med Nucl 53:797-808, Nov 72 (Eng. Abstr.) (Fre)
[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) (Ger)
[Case of osteoporomalacia in a nephroscierotic person] Pollono F, et al.
Arch Sci Med (Torino) 129:186-92, Jul-Sep 72 (Eng. Abstr.) (Ita)
[X-ray studies in various congenital defects of sexual development] Markarova OS, et al.
Probl Endokrinol (Mosk) 18:21-5, Nov-Dec 72 (Eng. Abstr.) (Rus)

METABOLISM

Computer evaluation to the x-ray densitometry method for the diagnosis of calcipenic osteopathy. Bojtor I, et al.
Fortschr Geb Roentgenstr Nuklearmed 117:720-4, Dec 72
Femoral trabecular patterns and bone mineral content.

Kranendonk DH, et al.
J Bone Joint Surg [Am] 54:1472-8, Oct 72
[Calcipenic osteopathies from the viewpoint of the rheumatologist] Bartelheimer H.
Z Rheumaforsch 31:321-4, Sep-Oct 72 (Eng. Abstr.) **(Ger)**
[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Case histories of castrated sex offenders from a forensic psychiatric viewpoint] Cornu F.
Bibl Psychiatr 149:1-132, 1973 **(Ger)**

PATHOLOGY

Clinico-pathologic conference. Hospital for Joint Diseases and Medical Center. June 10, 1972. "Hip pain with generalized skin lesions". Presentation of case. Mankin HJ, et al. **Bull Hosp Joint Dis** 33:116-29, Oct 72
Computer evaluation to the x-ray densitometry method for the diagnosis of calcipenic osteopathy. Bojtor I, et al.
Fortschr Geb Roentgenstr Nuklearmed 117:720-4, Dec 72
[Experimental osteoporosis in lathyritic rats] Zweymüller K, et al.
Arch Orthop Unfallchir 74:160-4, 1972 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Computer evaluation to the x-ray densitometry method for the diagnosis of calcipenic osteopathy. Bojtor I, et al.
Fortschr Geb Roentgenstr Nuklearmed 117:720-4, Dec 72
Radiographic changes in iron deficiency anaemia. Agarwal KN. **Indian Pediatr** 9:361-2, Jul 72
The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids. Thompson JS, et al. **J Bone Joint Surg** [Am] 54:1490-500, Oct 72
Symptomatic Paget disease of the hip. Detenheck LC, et al. **JAMA** 224:213-7, 9 Apr 73
Femoral trabecular pattern index for evaluation of spinal osteoporosis. A detailed methodologic description. Singh M, et al.
Mayo Clin Proc 48:184-9, Mar 73
[Osteoporosis in multiple sclerosis] Dechamps P, et al.
Acta Neurol Belg 72:215-25, Jul-Aug 72 (Eng. Abstr.) **(Fre)**
[Microangiographic study of femur head ischemia] Collard M, et al.
J Radiol Electrol Med Nucl 53:797-808, Nov 72 (Eng. Abstr.) **(Fre)**
[Skeletal manifestation of primary hyperparathyroidism] Meffert O, et al.
Bruns Beitr Klin Chir 219:650-7, 1972 (Eng. Abstr.) **(Ger)**
[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) **(Ger)**
[Radiography of generalized osteopathies] Heuck F.
Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) **(Ger)**
[X-ray studies in various congenital defects of sexual development] Markarova OS, et al.
Probl Endokrinol (Mosk) 18:21-5, Nov-Dec 72 (Eng. Abstr.) **(Rus)**

THERAPY

[Osteoporosis due to inactivity] Eichler J.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Eng. Abstr.) **(Ger)**
[Orthopedic problems in presenile osteoporosis] Otte P.
Z Rheumaforsch 31:388-400, Sep-Oct 72 (Eng. Abstr.) **(Ger)**

URINE

[Use of a new method of photometric evaluation in the study of drugs acting on the osseous system] Cannella M, et al. **Boll Chim Farm** 111:489-96, Aug 72 **(Ita)**

PSEUDOHYPOPARATHYROIDISM

[Pseudohypoparathyroidism] Usa T.
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) **(Jap)**

BLOOD

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73

COMPLICATIONS

[Pseudohypoparathyroidism] Usa T.
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) **(Jap)**

DIAGNOSIS

Pseudohypohyper what? Becker KL.
Postgrad Med 53:198-9, Feb 73

DRUG THERAPY

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73

METABOLISM

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73

PATHOLOGY

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73

PHYSIOPATHOLOGY

[Kidney and cyclic AMP] Osawa M, et al.
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) **(Jap)**

PSEUDOPSEUDOHYPO-PARATHYROIDISM

COMPLICATIONS

[Hyperosmolar coma revealing diabetes in an adult with type II Albright's syndrome] Voog R, et al.
Sem Hop Paris 48:3563-7, 26 Dec 72 **(Fre)**

RADIOGRAPHY

[Hyperosmolar coma revealing diabetes in an adult with type II Albright's syndrome] Voog R, et al.
Sem Hop Paris 48:3563-7, 26 Dec 72 **(Fre)**

RENAL OSTEODYSTROPHY

COMPLICATIONS

Osteo-onychodystrophy with nephropathy and renal osteodystrophy. A case report. Eisenberg KS, et al.
J Bone Joint Surg [Am] 54:1301-5, Sep 72

DIAGNOSIS

Bone cysts in renal disease. Beal JM.
Ill Med J 143:255-7 passim, Mar 73

DRUG THERAPY

Osteo-onychodystrophy with nephropathy and renal osteodystrophy. A case report. Eisenberg KS, et al.
J Bone Joint Surg [Am] 54:1301-5, Sep 72

ETIOLOGY

Bone cysts in renal disease. Beal JM.
Ill Med J 143:255-7 passim, Mar 73
Familial nephrotic syndrome with nephrocalcinosis and tubular dysfunction. Burke EC, et al.
J Pediatr 82:202-6, Feb 73

Medullary cystic disease in monozygotic twins. Friedman EA, et al.
NY State J Med 73:785-90, 15 Mar 73

PATHOLOGY

[Pseudo-Bechterew findings in hyperparathyroidism with reference to renal osteopathy] Dihlmann W, et al.
Z Rheumaforsch 31:401-8, Sep-Oct 72 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Pseudo-Bechterew findings in hyperparathyroidism with reference to renal osteopathy] Dihlmann W, et al.
Z Rheumaforsch 31:401-8, Sep-Oct 72 (Eng. Abstr.) (Ger)

[Radiography of generalized osteopathies] Heuck F.
Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) (Ger)

RICKETS

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

BLOOD

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

Vitamin D deficiency rickets in malnourished children. Nagi NA.
J Trop Med Hyg 75:251-4, Dec 72

Rickets in Melbourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72

CHEMICALLY INDUCED

Antiepileptic drugs and development of rickets. Livingston S, et al.
J Pediatr 82:347-8, Feb 73

COMPLICATIONS

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

Tubular reabsorption of phosphate in normal children and in children with rickets. Vainsel M.
Rev Eur Etud Clin Biol 17:656-62, Aug-Sep 72

[Sudden and unexpected death of infants and small children. Forensic-medical experiences, studies and significance of a general medical problem] Althoff H.
Veroeff Morphol Pathol 91:1-107, 1972 (Eng. Abstr.) (Ger)

DRUG THERAPY

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Bar A, et al.
Comp Biochem Physiol [A] 43:519-26, 1 Nov 72

Rickets in Melbourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al.
Q J Med 42:125-49, Jan 73

ENZYMOLOGY

Serum alkaline phosphatase and rickets in urban schoolchildren. Cooke WT, et al.
Br Med J 1:324-7, 10 Feb 73

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

ETIOLOGY

Vitamin D metabolism. Recent advances. Stamp TC.
Arch Dis Child 48:2-7, Jan 73 (59 ref.)

Antiepileptic drugs and development of rickets. Livingston S, et al.
J Pediatr 82:347-8, Feb 73

Rickets in Melbourne. Lipson A.
Med J Aust 2:1468, 23 Dec 72

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73

IMMUNOLOGY

[Immunity in rickets] Kobielowa Z, et al.
Pediatr Pol 48:1-8, Jan 73 (Eng. Abstr.) (Pol)

METABOLISM

Collagen heterogeneity within different growth regions of long bones of rachitic and non-rachitic chicks. Toole BP, et al.
Biochem J 127:715-20, May 72

Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Bar A, et al.
Comp Biochem Physiol [A] 43:519-26, 1 Nov 72

Calcium absorption in health and disease. Ewe K.
Ergeb Inn Med Kinderheilkd 33:231-69, 1972

Familial hypophosphatemic rickets: defective transport of inorganic phosphate by intestinal mucosa. Short EM, et al.
Science 179:700-2, 16 Feb 73

Characterization of the metabolites of vitamin D 3 in the chick. Haussler MR.
Steroids 20:639-50, Nov 72

OCCURRENCE

Vitamin D deficiency rickets in malnourished children. Nagi NA.
J Trop Med Hyg 75:251-4, Dec 72

Rickets in Melbourne. Lipson A.
Med J Aust 2:1468, 23 Dec 72

Rickets in Melbourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72

Medico-social problems in the Greek community.
Med J Aust 2:855-6, 14 Oct 72

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al.
Q J Med 42:125-49, Jan 73

Nutritional conditions in Yugoslavia and their reflection on health. Ferber E.
World Rev Nutr Diet 18:263-74, 1973 (36 ref.)

PHYSIOPATHOLOGY

Some observations on the effect of hypercapnea on ricketic cartilage calcification. Cipriani E, et al.
Johns Hopkins Med J 132:88-94, Feb 73

Tubular reabsorption of phosphate in normal children and in children with rickets. Vainsel M.
Rev Eur Etud Clin Biol 17:656-62, Aug-Sep 72

[Pelvic bones in systemic diseases] Giesen H, et al.
Fortschr Med 90:980-4, 28 Sep 72 (Ger)

PREVENTION & CONTROL

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

Rickets in Melbourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72

RADIOGRAPHY

Serum alkaline phosphatase and rickets in urban schoolchildren. Cooke WT, et al.
Br Med J 1:324-7, 10 Feb 73

Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73

Rickets in Melbourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72

RICKETS, VITAMIN D RESISTANT

[The evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

[The evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Tbe evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)
[Familial and sporadic bypophosphatemic vitamin D resistant rickets] Oberiter V, et al.
Acta Med Iugosl 26:339-63, 1972 (Eng. Abstr.) (Cro)

FAMILIAL & GENETIC

Vitamin D-resistant rickets and bemophilia A--lack of close linkage on tbe X chromosome. Weit SI, et al.
Am J Hum Genet 25:105-7, Jan 73
[Familial and sporadic bypopbosphatemic vitamin D resistant rickets] Oberiter V, et al.
Acta Med Iugosl 26:339-63, 1972 (Eng. Abstr.) (Cro)

PHYSIOPATHOLOGY

[Tbe evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

RADIOGRAPHY

[The evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

THERAPY

[Tbe evolution of vitamin-resistant rickets in adults. Apropos of a sporadic case] Serre H, et al.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Eng. Abstr.) (Fre)

TETANY

[The effect of tetanization of a skeletal muscle motor nerve on tbe blocking and anticbolinesterase effect of armin and compound GD-42] Ivanov Iuia, et al.
Farmakol Toksikol 35:567-70, Sep-Oct 72 (Eng. Abstr.) (Rus)

BLOOD

[Grass tetany in cattle. 1. Cases of grass tetany in Sotoyama pasture] Murakami D, et al.
Jap J Vet Sci 34:323-31, Dec 72 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

[Valoron intoxication in attempted suicide] Klapetek J.
Munch Med Wochenschr 115:113-5, 26 Jan 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Neuromuscular excitability in brucellosis] Wochnik-Dyjas D, et al.
Neurol Neurochir Pol 7:31-7, Jan-Feb 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

[Paratbyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH.
Helv Chir Acta 39:737-40, Dec 72 (Ger)

ETIOLOGY

[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH.
Helv Chir Acta 39:737-40, Dec 72 (Ger)
[Incidence, patbogenesis, and prevention of grass tetany in cattle. 3. Clinico-cbemical examination of animals afflicted with grass tetany] Gürtler H, et al.
Monatsh Vet Med 27:891-9, 1 Dec 72 (Eng. Abstr.) (Ger)
[Grass tetany in cattle. 1. Cases of grass tetany in Sotoyama pasture] Murakami D, et al.
Jap J Vet Sci 34:323-31, Dec 72 (Eng. Abstr.) (Jap)

METABOLISM

[Studies on the pathogenesis of hypomagnesemic tetany. II. Changes of calcium, phospborus, potassium, and sodium levels in the blood and cerebrospinal fluid during bypomagnesemia in tbe sheep] Scboiz H, et al.
Dtsch Tieraerztl Wochenschr 79:615-9, 15 Dec 72 (Eng. Abstr.) (Ger)

OCCURRENCE

[Parathyrogenic and non-paratbyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH.
Helv Chir Acta 39:737-40, Dec 72 (Ger)
[Incidence, patbogenesis, and prevention of grass tetany in cattle. 3. Clinico-chemical examination of animals afflicted witb grass tetany] Gürtler H, et al.
Monatsh Vet Med 27:891-9, 1 Dec 72 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[Incidence, patbogenesis, and prevention of grass tetany in cattle. 3. Clinico-cbemical examination of animals afflicted with grass tetany] Gürtler H, et al.
Monatsh Vet Med 27:891-9, 1 Dec 72 (Eng. Abstr.) (Ger)

VETERINARY

[Studies on the patbogenesis of bypomagnesemic tetany. II. Changes of calcium, pbospborus, potassium, and sodium levels in tbe blood and cerebrospinal fluid during bypomagnesemia in the sbeep] Scboiz H, et al.
Dtsch Tieraerztl Wochenschr 79:615-9, 15 Dec 72 (Eng. Abstr.) (Ger)
[Incidence, pathogenesis, and prevention of grass tetany in cattle. 3. Clinico-chemical examination of animals afflicted witb grass tetany] Gürtler H, et al.
Monatsh Vet Med 27:891-9, 1 Dec 72 (Eng. Abstr.) (Ger)
[Grass tetany in cattle. 1. Cases of grass tetany in Sotoyama pasture] Murakami D, et al.
Jap J Vet Sci 34:323-31, Dec 72 (Eng. Abstr.) (Jap)

THYROCALCITONIN

A model system for studying peptide syntbesis on polymeric supports by ion exchange chromatography. Hagenmaier H, et al. J Chromatogr Sci 10:663-7, Nov 72

ADMINISTRATION & DOSAGE

Treatment with calcitonin. Br Med J 1:371-2, 17 Feb 73
Paget's disease of tbe skull and migraine beadache. Hamilton CR Jr, et al.
Johns Hopkins Med J 132:179-85, Mar 73

ADVERSE EFFECTS

Treatment with calcitonin. Br Med J 1:371-2, 17 Feb 73
New drugs for treatment of Paget's disease.
Med Lett Drugs Ther 14:23-4, 31 Mar 72

ANALYSIS

Medullary carcinoma of tbyroid gland. Subcellular distribution of calcitonin and relationship between granules and amyloid. Meyer JS, et al.
Cancer 31:433-41, Feb 73
Thyroid secretion rate and tbyrocalcitonin content of tbe tbyroid in female rats. Baksi SN, et al.
Endokrinologie 60:251-6, 1972
[Determination of plasma calcitonin activity in man] Cambria A, et al.
Arch Sci Med (Torino) 129:142-4, Jul-Sep 72 (Eng. Abstr.) (Ita)

BLOOD

Medullary carcinoma of the thyroid. Hill CS Jr. Am Fam Physician 7:99-105, Feb 73

A study of the stability of calcitonin biological activity. Newsome FE, et al. Endocrinology 92:1102-6, Apr 73

Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al. Eur J Clin Invest 3:27-34, Jan 73

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. Medicine (Baltimore) 52:141-71, Mar 73

Relations of calcitonin and gastrin in the Zollinger-Ellison syndrome and medullary carcinoma of the thyroid. Sizemore GW, et al. N Engl J Med 288:641-4, 29 Mar 73

[Determination of plasma calcitonin in pregnant women. Clinical deductions] Klotz HP, et al. Ann Endocrinol (Paris) 33:267-9, May-Jun 72 (Eng. Abstr.) (Fre)

[Effect of 25 HCC in a hypocalcemic patient with active metastases from an operated thyroid medullary tumor] Miravet L, et al. Ann Endocrinol (Paris) 33:270-1, May-Jun 72 (Eng. Abstr.) (Fre)

[Determination of plasma calcitonin activity in man] Cambria A, et al. Arch Sci Med (Torino) 129:142-4, Jul-Sep 72 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al. Acta Histochem (Jena) 43:1-7, 1972

METABOLISM

Assay of C-cell thyroid adenoma of man for calcitonin activity. Lorenc R, et al. Acta Histochem (Jena) 43:1-7, 1972

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. Recent Prog Horm Res 28:399-470, 1972

[Ultrastructural data on calcium localization in the thyroid gland of rats and dormice] Martoja M. C R Acad Sci [D] (Paris) 275:2021-4, 30 Oct 72 (Fre)

PHARMACODYNAMICS

Opposing actions of calcitonin and cortisone upon osteogenesis in a heterotopic site. Thompson JS, et al. Clin Orthop 90:201-8, Jan-Feb 73

A study of the stability of calcitonin biological activity. Newsome FE, et al. Endocrinology 92:1102-6, Apr 73

Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. J Biol Chem 247:6167-75, 10 Oct 72

The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids. Thompson JS, et al. J Bone Joint Surg [Am] 54:1490-500, Oct 72

Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. J Cell Physiol 80:315-28, Dec 72

[Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities] Kuhota Y, et al. J Pharm Soc Jap 92:871-3, Jul 72 (Eng. Abstr.) (Jap)

[A comparison of the mode of action between calcitonin-like factor isolated from salivary gland and calcitonin] Seyama Y, et al. J Pharm Soc Jap 92:818-22, Jul 72 (Eng. Abstr.) (Jap)

[Calcitonin and homeostasis of the bones] Oktay C. Dentoral (Istanbul) 4:168-71, Jul-Aug 72 (Eng. Abstr.) (Tur)

PHYSIOLOGY

Calcium metabolism in pancreatic disease. D'Souza A, et al. Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)

Opposing actions of calcitonin and cortisone upon osteogenesis in a heterotopic site. Thompson JS, et al. Clin Orthop 90:201-8, Jan-Feb 73

Relations of calcitonin and gastrin in the Zollinger-Ellison syndrome and medullary carcinoma of the thyroid. Sizemore GW, et al. N Engl J Med 288:641-4, 29 Mar 73

Bone as a target organ: toward a better definition of osteoporosis. Bartter FC. Perspect Biol Med 16:215-31, Winter 73

[Pseudohypoparathyroidism] Usa T. Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)

SECRETION

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

Hypomagnesaemia following theophylline or furosemide injection in ewes: renal versus extrarenal effect. Larvor P, et al. J Physiol (Lond) 227:365-75, Dec 72

Relations of calcitonin and gastrin in the Zollinger-Ellison syndrome and medullary carcinoma of the thyroid. Sizemore GW, et al. N Engl J Med 288:641-4, 29 Mar 73

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al. Recent Prog Horm Res 28:399-470, 1972

Ultimobranchial gland ultrastructure of larval axolotis, Ambystoma mexicanum Shaw, with some observations on the newt, Pleurodeles waltili Micahelles. Coleman R, et al. Z Zellforsch Mikrosk Anat 134:183-92, 1972

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG. Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

Treatment with calcitonin. Br Med J 1:371-2, 17 Feb 73

The acute response to calcitonin in Paget's disease: its relationship to the serum alkaline phosphatase level and the effect of phosphate treatment. Gershberg H, et al. J Clin Endocrinol Metab 36:691-6, Apr 73

Paget's disease of the skull and migraine headache. Hamilton CR Jr, et al. Johns Hopkins Med J 132:179-85, Mar 73

Development of antibodies to porcine calcitonin during treatment of Paget's disease of bone. Dube WJ, et al. Mayo Clin Proc 48:43-6, Jan 73

New drugs for treatment of Paget's disease. Med Lett Drugs Ther 14:23-4, 31 Mar 72

[Discussion of the treatment of hypercalcemia with furosemide] Fiorentino M. Nouv Presse Med 2:245, 27 Jan 73 (Fre)

[New treatment of Paget's bone disease] Weinberger A, et al. Harefuah 83:253-4, 15 Sep 72 (Heb)

VITAMIN A

[Favorable effects on produced Wistar rat longevity effected by various vitamin restrictions] Kayser J, et al. C R Acad Sci [D] (Paris) 274:3593-6, 26 Jun 72 (Fre)

ADMINISTRATION & DOSAGE

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

[Acute vitamin A intoxication with hemolytic anemia, hypercalcemia and toxic hepatosis] Leicht E, et al. Med Klin 68:54-9, 12 Jan 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

[Acute vitamin A intoxication with hemolytic anemia, hypercalcemia and toxic hepatosis] Leicht E, et al. Med Klin 68:54-9, 12 Jan 73 (Eng. Abstr.) (Ger)

BLOOD

[Acute vitamin A intoxication with hemolytic anemia, hypercalcemia and toxic hepatosis] Leicht E, et al. Med Klin 68:54-9, 12 Jan 73 (Eng. Abstr.) (Ger)

METABOLISM

Progress in swine nutrition for the veterinarian. Bowland JP. Can Vet J 14:3-11, Jan 73 (80 ref.)

THERAPEUTIC USE

Vitamin A and bone metabolism in the rat. Zile M, et al. J Nutr 103:308-13, Feb 73

Vitamins and vigor at 65 plus. Whanger AD.
Postgrad Med 53:167-72, Feh 73
[Acute vitamin A intoxication with hemolytic anemia, hypercalcemia and toxic hepatosis] Leicht E, et al.
Med Klin 68:54-9, 12 Jan 73 (Eng. Abstr.) (Ger)

VITAMIN D

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)
[Favorahle effects on produced Wistar rat longevity effected hy various vitamin restrictions] Kayser J, et al. **C R Acad Sci [D] (Paris)** 274:3593-6, 26 Jun 72 (Fre)

ADVERSE EFFECTS

The hypocalcemic effect of glucagon in cases of hypercalcemia. Ulhrych-Jahłońska A.
Helv Paediatr Acta 27:613-5, Dec 72
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feh 73 (Ger)

ANALYSIS

Sterols from polyene-resistant mutants of Candida alhicans. Hamilton-Miller JM.
J Gen Microbiol 73:201-3, Nov 72

ANTAGONISTS & INHIBITORS

[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. **Wiad Lek** 26:431-4, 1 Mar 73 (Pol)

BLOOD

Anticonvulsant therapy and vitamin D. Hahn TJ.
Ann Intern Med 78:308-9, Feh 73

CHEMICAL SYNTHESIS

Synthesis of (4- 14 C) ergosterol and (4- 14 C) ergocalciferol. Pelc B, et al.
J Chem Soc [Perkin I] 23:2980-1, 1972

METABOLISM

Anticonvulsant therapy and vitamin D. Hahn TJ.
Ann Intern Med 78:308-9, Feh 73
Vitamin D metaholism. Recent advances. Stamp TC.
Arch Dis Child 48:2-7, Jan 73 (59 ref.)
Lack of histological evidence of vitamin D abnormality in the hones of anephric patients. Bordier PJ, et al.
Clin Sci 44:33-41, Jan 73
Reversal of the EHDP inhihition of calcium ahsorption hy 1,25-dihydroxycholecalciferol. Bonjour JP, et al.
Eur J Clin Invest 3:44-8, Jan 73
Progress in endocrinology and metaholism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)
Vitamin D metabolism. MacIntyre I.
N Engl J Med 288:471-2, 1 Mar 73
The prohlem of hypercalcemia. Salmon WD Jr.
South Med J 66:85-91, Jan 73
[Metaholites of vitamin D] Wilczek H.
Cesk Fysiol 21:347-50, 1972 (Cze)
[Significance of sunbathing and baths for health] Witzleb E.
Arch Dermatol Forsch 244:146-51, 1972 (Ger)
[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al.
Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)

PHARMACODYNAMICS

Relationship between duodenal calcium-hinding protein, parathyroid activity and various parameters of mineral metaholism in the rachitic and vitamin D-treated chick. Bar A, et al.
Comp Biochem Physiol [A] 43:519-26, 1 Nov 72
Fine structural and enzymatic evaluation of hone in thyroparathyroidectomized rats receiving various levels of vitamin D. Weishrode SE, et al.
Lab Invest 28:29-37, Jan 73
[Parathyroid hormone and arteriosclerosis] Orishige H, et al.
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)
[Influence of vitamin D 2 on the therapeutic effect of streptomycin in experimental tuherculosis] Arkhipova OP, et al.
Antibiotiki 17:654-8, Jul 72 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Studies on the ultraviolet irradiation of provitamin D and its related compounds. II. Determination of potential vitamin D2 in ultraviolet irradiated products of ergosterol by gas-liquid chromatography. Kobayashi T, et al.
J Vitaminol (Kyoto) 18:78-83, 10 Jun 72

THERAPEUTIC USE

Anticonvulsant therapy and vitamin D. Hahn TJ.
Ann Intern Med 78:308-9, Feh 73
Serum alkaline phosphatase and rickets in urban schoolchildren. Cooke WT, et al.
Br Med J 1:324-7, 10 Feh 73
Rickets in a developing country. Observations of general interest from Southern Iran. Amirhakimi GH.
Clin Pediatr (Phila) 12:88-92, Feb 73
Relationship hetween duodenal calcium-hinding protein, parathyroid activity and various parameters of mineral metaholism in the rachitic and vitamin D-treated chick. Bar A, et al.
Comp Biochem Physiol [A] 43:519-26, 1 Nov 72
Clinical and pathologic features of chondrodyspiasia (dwarfism) in the Alaskan Malamute. Fletch SM, et al.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
Osteo-onychodystrophy with nephropathy and renal osteodystrophy. A case report. Eisenberg KS, et al.
J Bone Joint Surg [Am] 54:1301-5, Sep 72
Familial nephrotic syndrome with nephrocalcinosis and tuhular dysfunction. Burke EC, et al.
J Pediatr 82:202-6, Feh 73
Rickets in Melhourne. Mayne V, et al.
Med J Aust 2:873-5, 14 Oct 72
Progress in endocrinology and metaholism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)
Vitamins and vigor at 65 plus. Whanger AD.
Postgrad Med 53:167-72, Feh 73
Hypercalcaemia. Some prohlems of diagnosis and management. Paterson CR, et al.
Practitioner 209:811-6, Dec 72
Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al.
Q J Med 42:125-49, Jan 73
[Hypercalcemic syndrome and hypercalcemic crisis. Symptoms, differential diagnosis and therapy] Ziegler R, et al.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
[Parathyrogenic and non-parathyrogenic tetany following strumectomy (strumiprivous tetany), occurrence and treatment] Kurth KH.
Helv Chir Acta 39:737-40, Dec 72 (Ger)
[Influence of vitamin D 2 on the therapeutic effect of streptomycin in experimental tuherculosis] Arkhipova OP, et al.
Antibiotiki 17:654-8, Jul 72 (Eng. Abstr.) (Rus)
[Familial and sporadic hypophosphatemic vitamin D resistant rickets] Oheriter V, et al.
Acta Med Iugosl 26:339-63, 1972 (Eng. Abstr.) (Cro)

VITAMIN D DEFICIENCY

Parathyroid glands and hone calcium mohilization hy 25-hydroxycholecalciferol. Cuisinier-Gleizes P, et al.
Rev Eur Etud Clin Biol 17:903-5, Nov 72

BLOOD

Vitamin D deficiency rickets in malnourished children. Nagi NA. **J Trop Med Hyg** 75:251-4, Dec 72

COMPLICATIONS

Antiepileptic drugs and development of rickets. Livingston S, et al. **J Pediatr** 82:347-8, Feh 73

DIAGNOSIS

[Nuclear medicine in the diagnosis of isolated and generalized hone alterations] Montz R.

Z Rheumaforsch 31:344-57, Sep-Oct 72 (Eng. Abstr.) (Ger)

DRUG THERAPY

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Froilk CA, et al. J Clin Invest 52:543-8, Mar 73

METABOLISM

The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. Froilk CA, et al. J Clin Invest 52:543-8, Mar 73

Hypervitaminosis E in the chick. March BE, et al. J Nutr 103:371-7, Mar 73

Effect of vitamin D3 on the transformation of 7-dehydrocholesterol to cholesterol in the rat liver. Moriuchi S, et al. J Vitaminol (Kyoto) 18:97-101, 10 Jun 72

Vitamin D metabolism. MacIntyre I. N Engl J Med 288:471-2, 1 Mar 73

OCCURRENCE

Vitamin D deficiency rickets in malnourished children. Nagi NA. J Trop Med Hyg 75:251-4, Dec 72

Occult rickets and osteomalacia amongst the Asian immigrant population. Holmes AM ENOCH BA, et al. Q J Med 42:125-49, Jan 73

PATHOLOGY

Lack of histological evidence of vitamin D abnormality in the bones of anephric patients. Bordier PJ, et al. Clin Sci 44:33-41, Jan 73

PHYSIOPATHOLOGY

Fracture callus and mast cells in rats with calcium and vitamin D deficiency. Lindholm TS, et al. Acta Orthop Scand 43:221-33, 1972

PREVENTION & CONTROL

Anticonvulsant therapy and vitamin D. Hahn TJ. Ann Intern Med 78:308-9, Feb 73

RADIOGRAPHY

Vitamin D deficiency rickets in malnourished children. Nagi NA. J Trop Med Hyg 75:251-4, Dec 72

1. Physical and Functional Aspects

AMYGDALOID BODY

ANATOMY & HISTOLOGY

Neurophysiological tests for stereotactic identification of rhinencephalic "targets". Maspes PE, et al. **Schweiz Arch Neurol Neurochir Psychiatr 111:331-40, 1972**

DRUG EFFECTS

Electrographic alterations induced in limbic and sensory systems during induction of anaesthesia with halothane, methoxyflurane, diethyl ether, and enflurane (Ethrane). Kavan EM, et al. **Br J Anaesth 44:1234-9, Dec 72**

Site of action of diazepam in the prevention of lidocaine induced seizure activity in cats. Wale N, et al. **Can Anaesth Soc J 20:146-52, Mar 73**

9 -Tetrahydrocannabinol: effects of EEG and behavior of rhesus monkeys. Martinez JL Jr, et al. **Life Sci [I] 11:643-51, 1 Jul 72**

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. **Neuroendocrinology 11:229-39, 1973**

[A neurophysiologic analysis of the central effect of the new n-cholinolytic drug IEM-506] Losev NA. **Farmakol Toksikol 35:544-9, Sep-Oct 72 (Eng. Abstr.) (Rus)**

[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al. **Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)**

ENZYMOLOGY

Effect of chronic administration of ethanol on (Na+K)-activated ATPase activity in sex areas of the cat brain. Knox WH, et al. **J Neurochem 19:2881-4, Dec 72**

METABOLISM

Changes in volume and incorporation of (35 S)- or (3 H)-methionine in the amygdala before and after puberty in male and and female mice. MacKinnon PC. **Brain Res 50:115-23, 14 Feb 73**

Oxidative metabolism of the limbic system in prepuberal rats. Aguilar E, et al. **Experientia 28:1490-1, 15 Dec 72**

PATHOLOGY

The central nervous system in Fabry's disease. An ultrastructural study. Grunnet ML, et al. **Arch Neurol 28:231-4, Apr 73**

PHYSIOLOGY

Limbic lesions and control of the internal and external environment. McGowan BK, et al. **Behav Biol 7:841-52, Dec 72**

Refractory periods of neurons directly excited in stimulus-bound eating and drinking in the rat. Rolls ET. **J Comp Physiol Psychol 82:15-22, Jan 73**

Sensorimotor syndrome produced by lesions of the amygdala and lateral hypothalamus. Turner BH. **J Comp Physiol Psychol 82:37-47, Jan 73**

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. **Neuroendocrinology 11:229-39, 1973**

The olfactory control of meal pattern in rats. Larue CG, et al. **Physiol Behav 9:817-21, Nov-Dec 72**

Influence of contingent amygdaloid stimulation on lateral hypothalamic medial forebrain bundle self-stimulation. Szabó I, et al. **Physiol Behav 9:839-49, Nov-Dec 72**

Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat. Eliendorff F, et al. **Proc Soc Exp Biol Med 142:417-20, Feb 73**

Neurophysiological tests for stereotactic identification of rhinencephalic "targets". Maspes PE, et al. **Schweiz Arch Neurol Neurochir Psychiatr 111:331-40, 1972**

[Effect of early lesions of the amygdala and median hypothalamus on the development of interspecific aggression behavior in rats] Eciancher F, et al. **J Physiol (Paris) 65:Suppl:231A, Oct 72 (Fre)**

[Location of the m- and n-cholinoreactive structures in the hippocampus] Gusel' VA, et al. **Farmakol Toksikol 35:552-5, Sep-Oct 72 (Eng. Abstr.) (Rus)**

PHYSIOPATHOLOGY

[Effects of brain-stem stimulation on seizure discharges of neo-, archi- and paleocortex with special reference to the subthalamus] Kobayashi K. **Psychiatr Neurol Jap 74:124-50, Feb 72 (Eng. Abstr.) (Jap)**

SURGERY

[Effect of early lesions of the amygdala and median hypothalamus on the development of interspecific aggression behavior in rats] Eciancher F, et al. **J Physiol (Paris) 65:Suppl:231A, Oct 72 (Fre)**

[Functional neurosurgery] Siegfried J. **Schweiz Arch Neurol Neurochir Psychiatr 111:435-42, 1972 (Ger)**

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al. **Aerosp Med 44:1-4, Jan 73**

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. **Fertil Steril 24:185-90, Mar 73**

ANALYSIS

Hypothalamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis. Chetverukhin VK. **Neurosci Behav Physiol 5:200-11, Jul-Sep 72**

ANATOMY & HISTOLOGY

The hypothalamic-hypophysial neurosecretory system in the iguanid lizard, Dipsosaurus dorsalis: a qualitative and quantitative study. Gesell MS, et al. **Gen Comp Endocrinol 19:397-404, Dec 72**

The hypothalamic median eminence as a neuroendocrine organ. Kobayashi H, et al. **Med J Osaka Univ 23:43-55, Sep 72**

NEUROENDOCRINOLOGY

CYTOLOGY

The hypothalamic median cminence as a neuroendocrine organ. Kohayashi H, et al. **Med J Osaka Univ** 23:43-55, Sep 72

Hypothalamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis. Chetverukhin VK. **Neurosci Behav Physiol** 5:200-11, Jul-Sep 72

Influence of light and darkness on the hypothalamo-hypophysial system of hlinded and unilaterally hlinded frogs (Rana temporaria). Vuilings HG. **Z Zeilforsch Mikrosk Anat** 136:355-64, 1973

[Histochemical data on the evolution of protocephalic neurosecretions in pterygot, insects during axonal transport] Gabe M. **Acta Histochem (Jena)** 43:168-83, 1972 (Eng. Ahstr.) **(Fre)**

DRUG EFFECTS

Childhood hypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla rcsponsiveness. Sizonenko PC, et al. **Heiv Paediatr Acta** 27:565-73, Dec 72

Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes. Pelletier J, et al. **J Reprod Fertil** 31:496, Dec 72

[Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation] Dupouy JP. **C R Acad Sci [D] (Paris)** 274:3585-8, 26 Jun 72 **(Fre)**

[Effect of colchicine on the elementary granule depletion of neurosecretory endings induced hy dehydration in rats] Boudier JL. **C R Soc Biol (Paris)** 166:650-3, 1972 **(Fre)**

[Effect of different gonadal steroids on FSH and LH levels in castratcd rats] Dufy-Barhe L, et al. **C R Soc Biol (Paris)** 166:960-4, 1972 **(Fre)**

[Effect of a single injection of copper acetate on ovarian function in rats] Marois M, et al. **C R Soc Biol (Paris)** 166:772-4, 1972 **(Fre)**

[Cyclofenil in gynecologic practice] Soutoul JH, et al. **Rev Fr Gynecol Obstet** 67:343-52, May 72 (64 ref.) **(Fre)**

[The influence of parachlorophenylalanine and testosterone on the sexual behavior of female rats] Möllmann H, et al. **Androiogie** 4:39-44, 1972 (Eng. Abstr.) **(Ger)**

[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B. **Klin Monatshi Augenheiikd** 161:280-7, Sep 72 (Eng. Ahstr.) **(Ger)**

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. **Klin Wochenschr** 51:127-31, 1 Feb 73 (Eng. Abstr.) **(Ger)**

[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al. **Zentraibi Gynaekol** 94:1697-701, 9 Dec 72 **(Ger)**

[Metabolism of cartilaginous sulfomucopolysaccharides in adrenalectomized and escin-treated rats] Diomede-Fresa V, et al. **Arch Sci Med (Torino)** 129:145-9, Jul-Sep 72 (Eng. Abstr.) **(Ita)**

[Prohlems of interaction between 5,5 1 -diphenylhydantoin (Hydantoinal) and other drugs] Pakszys W. **Poi Tyg Lek** 27:1990-3, 11 Dec 72 (25 ref.) **(Pol)**

ENZYMOLOGY

A study of lactate dehydrogenase (LDH) in the supraopticohypophyseal system of the rat. Norström A, et al. **Exp Neurol** 37:502-9, Dec 72

[Evaluation of vasopressin and enzymologic changes in the hypothalamo-neurohypophyseal system of rats after adrenalectomy] Burlet A, et al. **J Physiol (Paris)** 65:Suppl:207A-208, Oct 72 **(Fre)**

GROWTH & DEVELOPMENT

Hypothalamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis. Chetverukhin VK. **Neurosci Behav Physiol** 5:200-11, Jul-Sep 72

METABOLISM

Incorporation of 35 S-lahelled cysteine and methionine in the hypothalamic-hypophyseal neurosecretory system of the thyroidectomized rat. Talanti S, et al. **Life Sci [I]** 11:49-54, 15 Jan 72

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E. **Ann Endocrinol (Paris)** 33:251-66, May-Jun 72 (Eng. Ahstr.) **(Fre)**

[Histoenzymologic study of the metabolism of the pineal gland in pregnant rats] Dcvečerski V. **C R Soc Biol (Paris)** 166:731-2, 1972 **(Fre)**

[Evaluation of vasopressin and enzymologic changes in the hypothalamo-neurohypophyseal system of rats after adrenalectomy] Burlet A, et al. **J Physiol (Paris)** 65:Suppl:207A-208, Oct 72 **(Fre)**

PATHOLOGY

Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diahetes insipidus. Errington ML, et al. **J Physiol (Lond)** 227:395-418, Dec 72

Ultrastructural studies on the hypothalamic neurosecretory neurons of the rat. II. The hypothalamo-neurohypophysial system in rats with hereditary hypothalamic diahetes insipidus. Kalimo H, et al. **Z Zeilforsch Mikrosk Anat** 134:205-25, 1972

PHYSIOLOGY

The hypothalamus and reproduction. Schally AV, et al. **Am J Obstet Gynecol** 114:423-42, 1 Oct 72 (118 ref.)

Hair replacement in the guinea-pig and in man. Jackson D. **Br J Dermatol** 87:509-11, Nov 72 (27 ref.)

The human hypothaiamus and pituitary stalk after hypophysectomy or pituitary stalk section. Daniel PM, et al. **Brain** 95:813-24, 1972

Advances in male reproductive physiology. Mann T. **Fertil Steril** 23:699-707, Oct 72 (30 ref.)

Intraneuronal transport in the hypothalamoneurohypophysial system of the goldfish (Carassius auratus). Jones CW, et al. **Gen Comp Endocrinol** 20:99-106, Feb 73

Recovery of gonadal function following hypothalamic lesions in Japanese quail. Stetson MH. **Gen Comp Endocrinol** 20:76-85, Feh 73

Childhood hypoglycemia: plasma glucose and renin response to deoxgiucose for assessment of adrenal medulia responsiveness. Sizonenko PC, et al. **Heiv Paediatr Acta** 27:565-73, Dec 72

Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats. Peng YM, et al. **J Formosan Med Assoc** 71:593-7, 28 Sep 72

Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diahetes insipidus. Errington ML, et al. **J Physiol (Lond)** 227:395-418, Dec 72

Brain and testicular function. Bliss EL, et al. **Life Sci [I]** 11:231-8, 1 Mar 72

Neural regulation of TSH secretion: thyroxine feedback in the newhorn. Joseph SA, et al. **Neuroendocrinology** 10:197-206, 1972

Interaction hetween regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Bahichev VN. **Neurosci Behav Physiol** 5:195-9, Jul-Sep 72

Hypothaiamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis. Chetverukhin VK. **Neurosci Behav Physiol** 5:200-11, Jul-Sep 72

The effect of premature weaning on the response of rat adrenals to stress and ACTH. Hromadová M, et ai. **Physiol Bohemosiov** 21:329-35, 1972

Influence of light and darkness on the hypothalamo-hypophysial system of hlinded and unilaterally hlinded frogs (Rana temporaria). Vuilings HG. **Z Zeilforsch Mikrosk Anat** 136:355-64, 1973

[Postnatal evolution of hypothalamic releasing factors] Scemama A. **J Physiol (Paris)** 65:Suppl:298A, Oct 72 **(Fre)**

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. **Klin Wochenschr** 51:127-31, 1 Feb 73 (Eng. Abstr.) **(Ger)**

[Research on ovarian endocrinology] Dănilă-Muster A, et al. **Stud Cercet Endocrinol** 23:397-409, 1972 **(Rum)**

[Steroid diagnosis of adrenal cortex disorders. II. Corticotropin, metopirone and dexamethasone function test] Kreze A.
Bratisl Lek Listy 59:214-26, Feb 73 **(Slo)**

PHYSIOPATHOLOGY

Changes in serum cortisol, glucose and free fatty acid levels during tolbutamide-induced hypoglycemia in obese women. Laurian L, et al.
Isr J Med Sci 8:1817-22, Nov 72
[The hypothalamo-hypophyseal-adrenal gland system and steroid glaucoma] Schwartz B.
Klin Monatsbl Augenheilkd 161:280-7, Sep 72 (Eng. Abstr.) **(Ger)**
[The condition of the oral cavity in children with hypothalamo-hypophyseal insufficiency] Rybakowa M, et al.
Czas Stomatol 26:45-53, Jan 73 (Eng. Abstr.) **(Pol)**

HYPOTHALAMUS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73
Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Lascelles PT, et al. **Brain** 95:249-64, 1972
Adrenergic agonists and antagonists and feeding in sheep and cattle. Baile CA, et al.
Life Sci [I] 11:661-8, 15 Jul 72
ADH-induced potassium retention in rats with genetic diabetes insipidus. Möhring J, et al.
Life Sci [I] 11:65-72, 15 Jan 72
The vertebral angiogram in patients with tumours in or near the midline. Peeters FL.
Neuroradiology 5:53-8, Feb 73
Activation of lordotic responding in female rats by suppression of serotonergic activity. Zemlan FP, et al.
Science 179:1010-1, 9 Mar 73
Secretory surface phenomena in freeze-etched preparations of the adenohypophysial cells and neurosecretory fibers. Daikoku S, et al.
Z Zellforsch Mikrosk Anat 136:207-14, 1973
[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al.
C R Acad Sci [D] **(Paris)** 275:2913-6, 18 Dec 72 **(Fre)**
[The effect of cholinotropic substances introduced into the hypothalamus on the course of traumatic shock] Denisenko PP, et al.
Farmakol Toksikol 35:657-60, Nov-Dec 72 (Eng. Abstr.) **(Rus)**
[Treatment of autonomic vascular paroxysms in infectious and toxic lesions of the hypothalamic region] Poemnyi FA, et al.
Klin Med (Mosk) 50:68-71, Sep 72 (Eng. Abstr.) **(Rus)**

ANALYSIS

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73
Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73
The use of mass spectrometry in deducing the sequence of somatostatin--a hypothalamic polypeptide that inhibits the secretion of growth hormone. Ling N, et al.
Biochem Biophys Res Commun 50:127-33, 4 Jan 73
Some evidence for the existence of dopaminergic neurons in the rat cortex. Thierry AM, et al.
Brain Res 50:230-4, 14 Feb 73
Determination of $Na+$, $K+$, $Mg2+$, $Cu2+$, $Zn2+$, and $Mn2+$ in rat brain regions. Donaldson J, et al.
Can J Biochem 51:87-92, Jan 73
Structure of a hypothalamic peptide possessing gonadotropin-releasing activity. Nair RM, et al.
Int J Pept Protein Res 4:421-30, 1972
Nucleic acid and protein content in the pars distalis of the pituitary and hypothalamus of the frog, Rana esculenta: effects of gonadectomy and captivity. Rastogi RK, et al. **J Endocrinol** 55:471-7, Dec 72
The hippocampus and septal area as primary target sites for corticosterone. Knizley H Jr.
J Neurochem 19:2737-45, Dec 72
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. **J Physiol (Lond)** 227:553-64, Dec 72
Amphetamine analogues and brain amines. Morgan D, et al. **Life Sci** [I] 11:83-96, 15 Jan 72
The effect of lithium carbonate on self-stimulating behavior in the rat. Ramsey TA, et al.
Life Sci [I] 11:773-9, 15 Aug 72
Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (d-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Banerjee RC, et al.
Steroids 21:133-45, Jan 73
Steroid extraction and tissue digestion in the assay of radioactivity in rat brain following tritiated estradiol-17 . Whalen RE, et al.
Steroids 21:219-32, Feb 73
Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone. Whalen RE, et al.
Steroids 20:717-25, Dec 72
[Hypothalamo-hypophysiotropic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) **(Jap)**

ANATOMY & HISTOLOGY

Evoked release of hypothalamic norepinephrine during thermoregulation in the cat. Myers RD, et al.
Am J Physiol 224:230-6, Feb 73
An ascending fiber projection from the pontine reticular formation to the hypothalamus in the cat. McClure TD, et al. **Exp Neurol** 37:510-4, Dec 72
The pathway from the mediodorsal nucleus of thalamus to the hypothalamus in the cat. Siegel A, et al.
Exp Neurol 38:202-17, Feb 73
Hypothalamic and midbrain neural pathways involved in eating, drinking, irritability, aggression, and copulation in rats. Paxinos G, et al.
J Comp Physiol Psychol 82:1-14, Jan 73
The hypothalamic median eminence as a neuroendocrine organ. Kobayashi H, et al.
Med J Osaka Univ 23:43-55, Sep 72
Behaviorally determined neurophysiological properties of MFB self-stimulation fibers. German DC, et al. **Physiol Behav** 9:823-9, Nov-Dec 72

CYTOLOGY

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al.
Nature (Lond) 240:554-6, 29 Dec 72
[Electron microscopy histochemical demonstration of nonspecific acid phosphatase using p-nitrophenyl phosphate] Luppa H, et al.
Acta Histochem (Jena) 43:184-8, 1972 **(Ger)**
[Axodendritic synapses with subsynaptic bodies in the rat hypothalamus] Agadzhanova TA.
Dokl Akad Nauk SSSR 208:487-9, 11 Jan 73 **(Rus)**

DRUG EFFECTS

Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Griffiths EC, et al.
Acta Endocrinol (Kbh) 72:9-17, Jan 73
The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus. Griffiths EC, et al.
Acta Endocrinol (Kbh) 72:1-8, Jan 73
The kinetics of the pituitary-gonadal system of albino rats during steroid treatment. Nishikawa Y.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72
Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al.
Aerosp Med 44:1-4, Jan 73
Stein and Wise theory of schizophrenia: a possible mechanism for 6-hydroxydopamine formation in vivo. Adams RN. **Behav Biol** 7:861-6, Dec 72
Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73
Amantadine and catecholamine uptake. Herblin WF.
Biochem Pharmacol 21:1993-5, 15 Jul 72
Metabolism of (14 C)-serotonin in the caudate nucleus, hypothalamus and reticular formation of the rat after ethanol administration. Tytell M, et al.
Biochem Pharmacol 22:361-72, 1 Feb 73

Effects of catecholamines and adenosine derivatives given into the brain of fowls. Marley E, et al. **Br J Pharmacol 46:619-36, Dec 72**

Regeneration of central serotonin neurons after axonal degeneration induced by 5,6-dihydroxytryptamine. Björklund A, et al. **Brain Res 50:214-20, 14 Feb 73**

Responses of single units in the medulla to genital stimulation in estrous and anestrous cats. Rose JD, et al. **Brain Res 50:87-99, 14 Feb 73**

Central cardiovascular effects of 6-hydroxydopamine. Gupta PP, et al. **Eur J Pharmacol 20:215-23, Nov 72**

Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Nudemberg F, et al. **Fertil Steril 24:185-90, Mar 73**

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest 3:30-42, 1972**

Central -adrenergic regulation of growth hormone and insulin. Toivola PT, et al. **Hormones 3:192-213, 1972**

Corpus luteum maintenance in gilts during hypothalamic suppression with AIMAX. Kraeling RR, et al. **J Anim Sci 36:387-90, Feb 73**

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al. **Nature (Lond) 240:554-6, 29 Dec 72**

Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. **Neuroendocrinology 10:207-17, 1972**

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Josepb SA, et al. **Neuroendocrinology 10:197-206, 1972**

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. **Neuroendocrinology 11:229-39, 1973**

Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Quadri SK, et al. **Neuroendocrinology 11:248-55, 1973**

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN. **Neurosci Behav Physiol 5:195-9, Jul-Sep 72**

Effects of intracerebral 5-hydroxytryptamine injection on themoregulation in rat. Crawshaw LI. **Physiol Behav 9:133-40, Aug 72**

The ventromedial hypothalamus and aggressive behaviors. Grossman SP. **Physiol Behav 9:721-5, Nov-Dec 72**

A comparison of the motivational properties of thirst induced by intracranial angiotensin and by water deprivation. Rolls BJ, et al. **Physiol Behav 9:777-82, Nov-Dec 72**

Hypothalamic feeding mechanisms and amphetamine anorexia. Cole SO. **Psychol Bull 79:13-20, Jan 73 (90 ref.)**

Evolution of supraoptical and paraventricular nuclei (son and PVN) after X-rays irradiation and subsequent thiamine treatment in white rats. Miscalencu D, et al. **Radiobiol Radiother (Berl) 13:593-8, 1972**

Dopaminergic and noradrenergic substrates of positive reinforcement: differential effects of d- and l-ampbetamine. Pbillips AG, et al. **Science 179:575-7, 9 Feb 73**

[Anxiety, depression and Agr 1240] Laborit H. **Agressologie 13:275-83, 1972 (Eng. Abstr.) (Fre)**

[Preliminary clinical trials of Agr 1240] Muyard JP. **Agressologie 13:337-52, 1972 (Eng. Abstr.) (Fre)**

[Effect of epipbysectomy on bypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al. **C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)**

[Effect of testosterone propionate on tbe liberation of LH in tbe blood of rams: demonstration of a double mechanism of retroaction] Pelletier J, et al. **C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)**

[Antidromic stimulations and unitary recordings of neurons from the supraoptic nucleus in awake macaca] Arnauld E, et al. **J Physiol (Paris) 65:Suppl:190A, Oct 72 (Fre)**

[Effect of the corticotropic bormone on amygdaloventromedian patbways in awaked free rabbits] Nicolescu-Catargi A, et al. **J Physiol (Paris) 65:Suppl:278A, Oct 72 (Fre)**

[Self stimulation and catecholamines. I. Possible intervention of both "pools" (functional pool and storage pool)] Stinus L, et al. **Physiol Behav 9:175-82, Aug 72 (Eng. Abstr.) (Fre)**

[Cyclofenil in gynecologic practice] Soutoul JH, et al. **Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)**

[Effect of a single dose of estrogen and estrogen metabolites on hypothalamus and pituitary gland] Domány Z, et al. **Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)**

[The influence of antidepressants on tbe central effects of serotonin and noradreanline] Allikmets LKh, et al. **Farmakol Toksikol 35:649-53, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[The effect of cholinotropic substances introduced into the bypothalamus on the course of traumatic shock] Denisenko PP, et al. **Farmakol Toksikol 35:657-60, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[Effect of metamizil on the development of centrogenic dystrophies and on the ultrastructure of synapses] Kucherenko RP, et al. **Farmakol Toksikol 36:54-8, Jan-Feb 73 (Eng. Abstr.) (Rus)**

[Tbe effect of neuroleptics of tbe phenothiazine series when introduced into the hippocampus on conditioned defense reflexes] Liubimov BI. **Farmakol Toksikol 35:653-7, Nov-Dec 72 (Eng. Abstr.) (Rus)**

[The effect of glucocorticoids and ACTH on tbe excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al. **Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)**

[Psychotropic component in the action of narcotic analgesics] Zhukova DIa. **Farmakol Toksikol 36:12-4, Jan-Feb 73 (Eng. Abstr.) (Rus)**

[Tissue adenosine triphosphatase activity of different sections of rat and rabbit brain in normal conditions and witb administration of bydrocortisone] Sidorchuk NB, et al. **Fiziol Zh SSSR 59:33-8, Jan 73 (Eng. Abstr.) (Rus)**

[Correlations and characteristics of the changes in electrical activity of the posterior hypothalamus and the motor cortex due to different pharmacological agents] Zlatin RS, et al. **Fiziol Zh SSSR 59:16-27, Jan 73 (Eng. Abstr.) (Rus)**

[The effect of local destruction of the hypothalamus on tbe EKG's of rats following administration of estrogens and progesterone] Kharcbenko SF. **Kardiologiia 12:140-2, Nov 72 (Rus)**

ENZYMOLOGY

Tbe effects of orchidectomy and testosterone propionate injection on peptidase activity in tbe male rat bypothalamus. Griffiths EC, et al. **Acta Endocrinol (Kbh) 72:1-8, Jan 73**

Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Griffiths EC, et al. **Acta Endocrinol (Kbh) 72:9-17, Jan 73**

Tyrosine hydroxylase in rat brain--cofactor requirements, regional and subcellular distribution. Coyle JT. **Biochem Pharmacol 21:1935-44, 15 Jul 72**

On a collagenase-like enzyme detected in the extracts of bypothalamus and bypopbysis. Levdikova GA, et al. **Clin Chim Acta 42:205-8, Nov 72**

A study of lactate dehydrogenase (LDH) in the supraopticohypophyseal system of the rat. Norström A, et al. **Exp Neurol 37:502-9, Dec 72**

Enzymatic syntbesis of growtb hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Reichlin S, et al. **Proc Soc Exp Biol Med 142:497-501, Feb 73**

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res 28:229-86, 1972**

[Electron microscopy histocbemical demonstration of nonspecific acid pbosphatase using p-nitropbenyl phosphate] Luppa H, et al. **Acta Histochem (Jena) 43:184-8, 1972 (Ger)**

[Tissue adenosine triphosphatase activity of different sections of rat and rabbit brain in normal conditions and with administration of hydrocortisone] Sidorchuk NB, et al. **Fiziol Zh SSSR 59:33-8, Jan 73 (Eng. Abstr.) (Rus)**

INJURIES

Renal compensatory hypertrophy in weanling rats with ventromedial hypothalamic lesions. Bernardis LL, et al. **Growth 36:209-15, Sep 72**

[Changes in tbe duration of the estral cycle and sexual receptivity after lesion of the ventromedial nucleus in rats] Carrer H, et al. **C R Soc Biol (Paris) 166:924-8, 1972 (Fre)**

NEUROENDOCRINOLOGY

INNERVATION

The neural input of the milk ejection reflex in the hypothalamus. Voloschin LM, et al. **Endocrinology** 92:973-83, Apr 73

METABOLISM

The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus. Griffiths EC, et al. **Acta Endocrinol (Kbh)** 72:1-8, Jan 73

Estrogen formation in the brain. Ryan KJ, et al. **Am J Obstet Gynecol** 114:454-60, 15 Oct 72

How amphetamine acts in minimal brain dysfunction. Snyder SH, et al. **Ann NY Acad Sci** 205:310-20, 28 Feb 73 (45 ref.)

Catecholamines in various areas of the central nervous system in normal and hypertensive rats. Vidal NA, et al. **Arch Int Physiol Biochim** 80:661-7, Oct 72

Brain metabolism during hypoglycemia. Effect of insulin on regional central nervous system glucose and energy reserves in mice. Ferrendelli JA, et al. **Arch Neurol** 28:173-7, Mar 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al. **Biochem Biophys Res Commun** 50:8-13, 4 Jan 73

Amantadine and catecholamine uptake. Herblin WF. **Biochem Pharmacol** 21:1993-5, 15 Jul 72

Metabolism of (14 C)-serotonin in the caudate nucleus, hypothalamus and reticular formation of the rat after ethanol administration. Tyteli M, et al. **Biochem Pharmacol** 22:361-72, 1 Feb 73

Adsorption and conduction-block of opiate narcotics on nerve membranes: identical effects of levo- and dextro-forms. Seeman P, et al. **Can J Physiol Pharmacol** 50:1181-92, Dec 72

Oxidative metabolism of the limbic system in prepuberal rats. Aguilar E, et al. **Experientia** 28:1490-1, 15 Dec 72

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest** 3:30-42, 1972

The presence of biologically labile compounds during ischemia and their relationship to the EEG in rat cerebral cortex and hypothalamus. Swaab DF, et al. **J Neurochem** 19:2843-53, Dec 72

Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. **J Physiol (Lond)** 227:553-64, Dec 72

Increased antidiuretic hormone production after trauma to the craniofacial complex. Becker RM, et al. **J Trauma** 13:112-5, Feb 73

Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Yamamoto K, et al. **Jap J Physiol** 22:491-503, Oct 72

Neonatal sympathectomy by 6-hydroxydopamine in the rat: no effects on behavior by changes in endogenous brain norepinephrine. Pappas BA, et al. **Life Sci [I]** 11:653-9, 15 Jul 72

Receptor-estrogen complex in the nuclear fraction of the pituitary and hypothalamus of male and female immature rats. Clark JH, et al. **Neuroendocrinology** 10:218-28, 1972

Brain uptake of cortisol and cortisone from the CSF and systemic sites. Lehrer GM, et al. **Neurology (Minneap)** 23:63-8, Jan 73

Enzymatic synthesis of growth hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Reichlin S, et al. **Proc Soc Exp Biol Med** 142:497-501, Feb 73

Mammary transfer of 203 Hg from mothers to brains of nursing rats. Yang MG, et al. **Proc Soc Exp Biol Med** 142:723-6, Feb 73

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res** 28:229-86, 1972

[Modification of the metabolism of cerebral serotonin (5-HT) induced in rats by the administration of 6-hydroxydopamine] Biondaux C, et al. **Brain Res** 50:101-14, 14 Feb 73 (Eng. Abstr.) (Fre)

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al. **C R Acad Sci [D] (Paris)** 275:2391-4, 20 Nov 72 (Fre)

[Daily fluctuations of serotonin (5-HT) biosynthesis and liberation in different cerebral structures in rats] Héry F, et al. **J Physiol (Paris)** 65:Suppl 1:127A, 1972 (Fre)

PATHOLOGY

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. **Acta Endocrinol (Kbh)** 72:101-14, Jan 73

The central nervous system in Fahry's disease. An ultrastructural study. Grunnet ML, et al. **Arch Neurol** 28:231-4, Apr 73

Renal compensatory hypertrophy in weanling rats with ventromedial hypothalamic lesions. Bernardis LL, et al. **Growth** 36:209-15, Sep 72

Murine influenza virus encephalomyelitis. I. Neuropathological and immunofluorescence findings. Miyoshi K, et al. **J Neuropathol Exp Neurol** 32:51-71, Jan 73

Wernicke's encephalopathy in uremia. Faris AA. **Neurology (Minneap)** 22:1293-7, Dec 72

Neurosecretory system function of guinea pigs under influence of staphylococcal alpha toxin. Kwarecki K, et al. **Pathol Microbiol (Basel)** 38:411-6, 1972

PHYSIOLOGY

Newer concepts in the regulation of food intake. Lepkovsky S. **Am J Clin Nutr** 26:271-84, Mar 73 (78 ref.)

The hypothalamus and reproduction. Schally AV, et al. **Am J Obstet Gynecol** 114:423-42, 1 Oct 72 (118 ref.)

The influence of target sex and dominance on evoked attack in Rhesus monkeys. Alexander M, et al. **Am J Phys Anthropol** 38:543-7, Mar 73

Hormonal and social factors affecting evoked sexual behavior in Rhesus monkeys. Perachio AA, et al. **Am J Phys Anthropol** 38:227-32, Mar 73

Electrophysiological studies on organization of central vasopressor pathways. Gebber GL, et al. **Am J Physiol** 224:470-81, Feb 73

Insulin sensitivity of pair-fed, hyperlipemic, hyperinsulinemic, obese-hypothalamic rats. Han PW, et al. **Am J Physiol** 223:1206-9, Nov 72

Dual hypothalamic feeding system in a migratory bird, Zonotrichia albicollis. Kuenzel WJ. **Am J Physiol** 223:1138-42, Nov 72

Opposite influences of rewarding electric brain stimulation on avoidance and escape threshold. Beyra M. **Arch Int Physiol Biochim** 80:840-1, Oct 72

Lesions of the limbic system: their effects upon hypotheses and frustration. Isaacson RL, et al. **Behav Biol** 7:767-93, Dec 72

Supranuclear structures regulating binocular eye and head movements. Hassler R. **Bibl Ophthalmol** 82:207-19, 1972 (30 ref.)

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al. **Biochem Biophys Res Commun** 50:20-6, 4 Jan 73

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. **Biol Reprod** 8:83-6, Feb 73

Aspects of subcortical organization of feeding revealed by hypothalamic disconnexions in Macaca mulatta. McHugh PR, et al. **Brain** 95:279-92, 1972

Responses of single units in the medulla to genital stimulation in estrous and anestrous cats. Rose JD, et al. **Brain Res** 50:87-99, 14 Feb 73

The nature of estrogen and prolactin effect on mammary tumorigenesis. Sinha D, et al. **Cancer Res** 33:411-4, Feb 73

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R. **Contraception** 5:1-19, Jan 72

Central regulation of temperature in hibernation and normothermia. Mills SH, et al. **Cryobiology** 9:393-403, Oct 72

Reinforcement value of electrical brain stimulation in neonatal dogs. Bacon WE, et al. **Dev Psychobiol** 5:195-200, 1972

Equivalence hypothesis of mental and somatic processes. Theoretical considerations. Zoit N. **Dis Nerv Syst** 33:667-71, Oct 72

Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat. Kawakami M, et al. **Endocrinol Jap** 19:449-59, Oct 72

Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat. Taillán F, et al. **Endokrinologie** 60:279-84, 1972

Efferent fiber projections of the habenula and the

interpeduncular nucleus. An experimental study in the opossum and cat. Smaha LA, et al. **Exp Brain Res** 16:291-308, 29 Jan 73

Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt. Compher MK Jr, et al. **Gen Comp Endocrinol** 20:29-40, Feb 73

On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Cusick EK, et al. **Gen Comp Endocrinol** 19:441-56, Dec 72

The effect on the gonadal axis in cockerels of electrolytic lesions in various regions of the basal hypothalamus. Ravona H, et al. **Gen Comp Endocrinol** 20:112-24, Feb 73

Recovery of gonadal function following hypothalamic lesions in Japanese quail. Stetson MH. **Gen Comp Endocrinol** 20:76-85, Feb 73

Fat mobilization in adipose tissue of weaning rats with hypothalamic obesity. Kasemsri S, et al. **Hormones** 3:97-104, 1972

Physiologic control of food intake. Hamilton CL. **J Am Diet Assoc** 62:35-40, Jan 73

Blockade and release of hypothalamically and naturally elicited aggressive behaviors in cats following midbrain lesions. Berntson GG. **J Comp Physiol Psychol** 81:541-54, Dec 72

Effects of rostral medial forebrain bundle and olfactory tubercle lesions upon sexual behavior of male rats. Hitt JC, et al. **J Comp Physiol Psychol** 82:30-6, Jan 73

Reanalysis of feeding patterns in the rat. Panksepp J. **J Comp Physiol Psychol** 82:78-94, Jan 73

Hypothalamic and midbrain neural pathways involved in eating, drinking, irritability, aggression, and copulation in rats. Paxinos G, et al. **J Comp Physiol Psychol** 82:1-14, Jan 73

Refractory periods of neurons directly excited in stimulus-bound eating and drinking in the rat. Rolls ET. **J Comp Physiol Psychol** 82:15-22, Jan 73

Cardiovascular classical conditioning in rabbits (Oryctolagus cuniculus) using appetitive or aversive hypothalamic stimulation as the US. Sideroff S, et al. **J Comp Physiol Psychol** 81:501-8, Dec 72

Sensorimotor syndrome produced by lesions of the amygdala and lateral hypothalamus. Turner BH. **J Comp Physiol Psychol** 82:37-47, Jan 73

Decrease in food intake following cortical spreading depression in static obese rats with ventromedial hypothalamic lesions. Wampler RS, et al. **J Comp Physiol Psychol** 82:23-9, Jan 73

The physiology of cold-wet survival. Hervey GR. **J R Nav Med Serv** 58:161-70, Winter 72

Melanocyte-stimulating hormone and parkinsonism. Shuster S, et al. **Lancet** 1:463-4, 3 Mar 73

Hypothalamic cooling, heat production and plasma lipids in the ox. Calvert DT, et al. **Life Sci [I]** 11:223-9, 1 Mar 72

Ultrastructural changes in rabbit parotid gland induced by electrical stimulation o the hypothalamus. Fujimoto K, et al. **Med J Osaka Univ** 22:215-43, Mar 72

Role of the limbic-hypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats. Kawakami M, et al. **Med J Osaka Univ** 23:57-75, Sep 72

Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. **Neuroendocrinology** 10:207-17, 1972

Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al. **Neuroendocrinology** 11:197-211, 1973

Neural regulation of TSH secretion: thyroxine feedback in the newborn. Joseph SA, et al. **Neuroendocrinology** 10:197-206, 1972

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. **Neuroendocrinology** 11:229-39, 1973

Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats. Taleisnik S, et al. **Neuroendocrinology** 10:235-45, 1972

Electrical changes induced in rat adenohypophysial cells, in vivo, with hypothalamic extract. York DH, et al. **Neuroendocrinology** 11:212-28, 1973

The motivational properties of electrical stimulation of the medial and paraventricular hypothalamic nuclei. Atrens DM, et al. **Physiol Behav** 9:229-35, Aug 72

The effects of incentive shifts on stimulus-bound licking in rats. Chisholm DC, et al. **Physiol Behav** 9:277-9, Aug 72

Effects of intracerebral 5-hydroxytryptamine injection on themoregulation in rat. Crawshaw LI. **Physiol Behav** 9:133-40, Aug 72

Behaviorally determined neurophysiological properties of MFB self-stimulation fibers. German DC, et al. **Physiol Behav** 9:823-9, Nov-Dec 72

The ventromedial hypothalamus and aggressive behaviors. Grossman SP. **Physiol Behav** 9:721-5, Nov-Dec 72

Analysis of diabetic hyperphagia and polydipsia. Hernandez L, et al. **Physiol Behav** 9:741-6, Nov-Dec 72

The olfactory control of meal pattern in rats. Larue CG, et al. **Physiol Behav** 9:817-21, Nov-Dec 72

A comparison of the motivational properties of thirst induced by intracranial angiotensin and by water deprivation. Rolls BJ, et al. **Physiol Behav** 9:777-82, Nov-Dec 72

Attenuation of brain stimulation self-starvation: adaptation effects. Santos RM, et al. **Physiol Behav** 9:831-7, Nov-Dec 72

Postreinforcement changes of steady potentials in premotor cortex of monkeys. Steinmetz GT, et al. **Physiol Behav** 9:769-72, Nov-Dec 72

The effect of VMH lesions, lateral cuts and anterior cuts of food intake, activity level, food motivation, and reactivity to taste. Storlien LH, et al. **Physiol Behav** 9:191-7, Aug 72

Pole reversals and hypothalamic self-stimulation: ascending spread of rewarding excitation. Szabó I, et al. **Physiol Behav** 9:147-50, Aug 72

Influence of contingent amygdaloid stimulation on lateral hypothalamic medial forebrain bundle self-stimulation. Szabó I, et al. **Physiol Behav** 9:839-49, Nov-Dec 72

Effects of hypothalamic stimulation, acclimation and periodic withdrawal on ethanol consumption. Wayner MJ, et al. **Physiol Behav** 9:737-40, Nov-Dec 72

Increased conditioned gustatory aversion following VMH lesions in rats. Weisman RN, et al. **Physiol Behav** 9:801-4, Nov-Dec 72

Two-way avoidance responding following VMH lesions: effects of varying shock intensity. Weisman RN, et al. **Physiol Behav** 9:243-6, Aug 72

Eating as an instrumental reaction rewarded by electrical stimulation of the brain. Wyrwicka W, et al. **Physiol Behav** 9:717-20, Nov-Dec 72

Influence of the time of weaning and of starvation during the weaning period on the bioelectrical activity of the septo-hypothalamo-hippocampal system of rats in adulthood. Pokorný J, et al. **Physiol Bohemoslov** 21:338-42, 1972

Thirst and the limbic system. Fitzsimons JT. **Proc R Soc Med** 65:1067-70, Dec 72 (28 ref.)

Reflex pathways controlling lactation. Tindal JS. **Proc R Soc Med** 65:1085-6, Dec 72 (11 ref.)

Hypothalamic feeding mechanisms and amphetamine anorexia. Cole SO. **Psychol Bull** 79:13-20, Jan 73 (90 ref.)

The hippocampus and motivation. Jarrard LE. **Psychol Bull** 79:1-12, Jan 73 (110 ref.)

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al. **Recent Prog Horm Res** 28:471-526, 1972

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res** 28:229-86, 1972

The libidinous temporal lobe. Walker AE. **Schweiz Arch Neurol Neurochir Psychiatr** 111:473-84, 1972

Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med** 3:3-25, Jan 73 (114 ref.)

Quantitative observations on the endocrine glands of rats after early postnatal lesions of the hypothalamus. Kinutani M, et al. **Tokushima J Exp Med** 19:105-10, Sep 72

Influence of light and darkness on the hypothalamo-hypophysial system of blinded and unilaterally blinded frogs (Rana temporaria). Vuillings HG. **Z Zellforsch Mikrosk Anat** 136:355-64, 1973

[The value of an ACTH stimulation test for assessing the hypothalamus-hypophysis-adrenal cortex axis in patients treated with glucocorticoid preparations] Kehlet H, et al. **Ugeskr Laeger** 134:2089-92, 2 Oct 72 (Eng. Abstr.) **(Dan)**

[Subcortical electroencephalographic analysis of thirst and repletion states in rats] Soulairac A, et al. **C R Acad Sci [D] (Paris)** 275:97-9, 3 Jul 72 **(Fre)**

[Changes in the duration of the estral cycle and sexual receptivity after lesion of the ventromedial nucleus in rats] Carrer H, et al. **C R Soc Biol (Paris)** 166:924-8, 1972 **(Fre)**

[Functioning of reinforcement systems and interspecific aggression behavior in rats: effect of

thiproperazine] Schmitt P, et al.
C R Soc Biol (Paris) 166:928-33, 1972 (Fre)
[Antidromic stimulations and unitary recordings of neurons from the supraoptic nucleus in awake macaca] Arnauld E, et al.
J Physiol (Paris) 65:Suppl:190A, Oct 72 (Fre)
[Mesencephalic ventral tegmentum and interspecific aggression behavior in rats] Chaurand JP, et al.
J Physiol (Paris) 65:Suppl:217A-218, Oct 72 (Fre)
[Effect of early lesions of the amygdala and median hypothalamus on the development of interspecific aggression behavior in rats] Eclancher F, et al.
J Physiol (Paris) 65:Suppl:231A, Oct 72 (Fre)
[Differences in effects on alimentary intake of normal insulin daily or nightly administered in rats] Le Magnen J, et al.
J Physiol (Paris) 65:Suppl:261A, Oct 72 (Fre)
[Mapping of hypothalamic lesions suppressing the alimentary response to intracardiac injections of 2-deoxy-d-glucose] Nicolaidis S, et al.
J Physiol (Paris) 65:Suppl 1:151A, 1972 (Fre)
[Preliminary study on self stimulation in the mouse] Cazala P, et al.
Physiol Behav 9:255-7, Aug 72 (Eng. Abstr.) (Fre)
[Studies on vegetative brain centers in children] Niewiedzioł B. **Pol Tyg Lek 28:65-7, 8 Jan 73 (Pol)**
[Effect of metamizil on the development of centrogenic dystrophies and on the ultrastructure of synapses] Kucherenko RP, et al.
Farmakol Toksikol 36:54-8, Jan-Feb 73 (Eng. Abstr.) (Rus)
[The reaction of the hypophyseal-adrenal cortex system to stimulation under conditions of catecholamine and serotonin synthesis blockade] Ryzhenkov VE.
Farmakol Toksikol 35:560-3, Sep-Oct 72 (Eng. Abstr.) (Rus)
[The effect of glucocorticoids and ACTH on the excitability of the hypothalamus and limbic formations of the dog brain] Ryzhenkov VE, et al.
Farmakol Toksikol 35:556-60, Sep-Oct 72 (Eng. Abstr.) (Rus)
[Afferent connections of the thermoregulation center] Dymnikova LP, et al.
Fiziol Zh SSSR 59:156-63, Jan 73 (Eng. Abstr.) (Rus)
[Statistical study of the impulse activity of neurons in different areas of the hypothalamus] Klimenko VM, et al.
Fiziol Zh SSSR 58:1484-93, Oct 72 (Eng. Abstr.) (Rus)
[Heat-sensitive interoreceptors and their interaction with heat-sensitive structures in the hypothalamus] Slepchuk NA, et al.
Fiziol Zh SSSR 58:1494-8, Oct 72 (Eng. Abstr.) (Rus)
[Correlations and characteristics of the changes in electrical activity of the posterior hypothalamus and the motor cortex due to different pharmacological agents] Zlatin RS, et al.
Fiziol Zh SSSR 59:16-27, Jan 73 (Eng. Abstr.) (Rus)
[The effect of local destruction of the hypothalamus on the EKG's of rats following administration of estrogens and progesterone] Kharchenko SF.
Kardiologiia 12:140-2, Nov 72 (Rus)
[The relationship between the function of the gastric glands and the state of gastric blood circulation] Smirnov VIa.
Kardiologiia 12:131-7, Oct 72 (83 ref.) (Rus)
[Hypothalamic control of the systemic and pulmonary circulation and its functional significance] Tsibenko VO. **Fiziol Zh 18:500-7, Jul-Aug 72 (Eng. Abstr.) (Ukr)**

PHYSIOPATHOLOGY

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
The effect of head injury on antidiuretic hormone synthesis or release in rats. Chang LR, et al. **Arch Int Physiol Biochim 80:679-84, Oct 72**
Bartter's syndrome with possible hypothalamic dysfunction. Kim JH. **Hormones 3:65-76, 1972**
Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function. Bray GA, et al. **Metabolism 22:435-42, Mar 73**
Neurosecretory system function of guinea pigs under influence of staphylococcal alpha toxin. Kwarecki K, et al. **Pathol Microbiol (Basel) 38:411-6, 1972**
Gelastic epilepsy (laughing seizures). Rey-Plas JM. **Schweiz Arch Neurol Neurochir Psychiatr 111:29-35, 1972**
[Galactorrhea. Current prospects of pathogenetic interpretation and nosological classification] Borghi A, et al.
Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)
[Emaciation] Imura H.
Jap J Clin Med 30:2235-42, Nov 72 (Jap)

RADIATION EFFECTS

Evolution of supraoptical and paraventricular nuclei (son and PVN) after X-rays irradiation and subsequent thiamine treatment in white rats. Miscalencu D, et al.
Radiobiol Radiother (Berl) 13:593-8, 1972

SECRETION

Evoked release of hypothalamic norepinephrine during thermoregulation in the cat. Myers RD, et al. **Am J Physiol 224:230-6, Feb 73**
Intra-axonal transport and turnover of neurohypophysial hormones in the rat. Jones CW, et al. **J Physiol (Lond) 227:553-64, Dec 72**
The hypothalamic median eminence as a neuroendocrine organ. Kobayashi H, et al. **Med J Osaka Univ 23:43-55, Sep 72**
Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al. **Nature (Lond) 240:554-6, 29 Dec 72**
Relationship between hypothalamic and median eminence catecholamines and thyroid function. Brown GM, et al. **Neuroendocrinology 10:207-17, 1972**
Release of melanocyte-stimulating hormone from the rat posterior pituitary lobe incubated in situ and from the hypothalamus. Cyrkowicz A. **Neuroendocrinology 10:257-60, 1972**
Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Quadri SK, et al. **Neuroendocrinology 11:248-55, 1973**
The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res 28:229-86, 1972**
The effect of copper salts on ovulation, especially on hypothalamic ovulatory hormone releasing factor. Suzuki M, et al. **Tohoku J Exp Med 108:9-18, Sep 72**
[Postnatal evolution of hypothalamic releasing factors] Scemama A.
J Physiol (Paris) 65:Suppl:298A, Oct 72 (Fre)
[7th World Congress on Fertility and Sterility in Tokyo and Kyoto] Hofmann N.
Hautarzt 23:324-6, Jul 72 (Ger)
[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 (Pol)

SURGERY

The human hypothalamus and pituitary stalk after hypophysectomy or pituitary stalk section. Daniel PM, et al. **Brain 95:813-24, 1972**
[Changes in the duration of the estral cycle and sexual receptivity after lesion of the ventromedial nucleus in rats] Carrer H, et al.
C R Soc Biol (Paris) 166:924-8, 1972 (Fre)
[Effect of early lesions of the amygdala and median hypothalamus on the development of interspecific aggression behavior in rats] Eclancher F, et al.
J Physiol (Paris) 65:Suppl:231A, Oct 72 (Fre)

NEUROSECRETORY SYSTEMS

ANALYSIS

The cellular source of melanocyte-stimulating hormone in Anguilla pituitary. Baker BI.
Gen Comp Endocrinol 19:515-21, Dec 72

ANATOMY & HISTOLOGY

The hypothalamic-hypophysial neurosecretory system in the iguanid lizard, Dipsosaurus dorsalis: a qualitative and quantitative study. Gesell MS, et al. **Gen Comp Endocrinol 19:397-404, Dec 72**

CYTOLOGY

[Histological and ultrastructural study of nerve cells in the brain of Eophila dollfusi Tétry (Lumbricidae)] Gallissian A, et al.
C R Acad Sci [D] (Paris) 275:79-82, 3 Jul 72 (Fre)

METABOLISM

Incorporation of 35 S-labelled cysteine and methionine in the hypothalamic-hypophyseal neurosecretory system of the thyroidectomized rat. Talanti S, et al. **Life Sci [I] 11:49-54, 15 Jan 72**

PHYSIOLOGY

Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt. Compher MK Jr, et al. **Gen Comp Endocrinol 20:29-40, Feb 73**

Neurosecretory and corpus allatum controlled effects on mating behavior and color change in adult locusta Migratoria migratorioides males. Pener MP, et al. **Gen Comp Endocrinol 19:494-508, Dec 72**

SECRETION

The urophysial hydrosmotic factor of fishes. 1. Characteristics and similarity to neurohypophysial hormones. Lacanilao F. **Gen Comp Endocrinol 19:405-12, Dec 72**

The urophysial hydrosmotic factor of fishes. II. Chromatographic and pharmacologic indications of similarity to arginine vasotocin. Lacanilao F. **Gen Comp Endocrinol 19:413-20, Dec 72**

PINEAL BODY

The vertebral angiogram in patients with tumours in or near the midline. Peeters FL. **Neuroradiology 5:53-8, Feb 73**

[Otoneurological approach in the diagnosis of the lesions of the midbrain] Wada M. **J Otolaryngol Jap 75:1239-55, Nov 72 (Jap)**

[Action of the pineal body on sexual function and on lipid metabolism] Damian E. **Stud Cercet Endocrinol 23:389-96, 1972 (Rum)**

ANALYSIS

The histological appearance of the human pineal gland from puberty to old age. Tapp E, et al. **J Pathol 108:137-44, Oct 72**

Catechol-O-methyltransferase, histamine-N-methyltransferase and methanol forming enzymes in the rat pineal gland. Bäckström M, et al. **Life Sci [I] 11:293-9, 15 Mar 72**

Presence of an antigonadotropic substance in rat pineal incubation media. Benson B, et al. **Life Sci [I] 11:669-77, 15 Jul 72**

ANATOMY & HISTOLOGY

Effects of photoperiod and age on reproductive organs and serum LH in the male rat. Hoffmann JC. **Am J Physiol 224:245-7, Feb 73**

Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus. Pineda MH, et al. **Am J Vet Res 34:181-3, Feb 73**

The histological appearance of the human pineal gland from puberty to old age. Tapp E, et al. **J Pathol 108:137-44, Oct 72**

[The pineal photoreception] Morita Y. **J Physiol Soc Jap 34:663-78, Oct 72 (133 ref.) (Jap)**

CYTOLOGY

Modification of the Achúcarro-Hortega pineal stain for paraffin-embedded formalin-fixed tissue. DeGirolami U, et al. **Stain Technol 48:48-50, Jan 73**

[Histoenzymologic study of pinealocytes and epiphyseal astrocytes] Gerebtzoff MA, et al. **C R Soc Biol (Paris) 166:713-5, 1972 (Fre)**

[Morphological studies in the Institute of Endocrinology in the past 25 years] Taşcă C, et al. **Stud Cercet Endocrinol 23:459-70, 1972 (Rum)**

DRUG EFFECTS

Increased N-acetylserotonin and melatonin formation induced by d-amphetamine in rat pineal gland organ culture via a -adrenergic receptor mechanism. Bäckström M, et al. **Acta Physiol Scand 87:113-20, Jan 73**

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest 3:30-42, 1972**

Adrenergic effects on pineal cell membrane potential. Sakai KK, et al. **Life Sci [I] 11:285-91, 15 Mar 72**

ENZYMOLOGY

Histoenzymology of the "circum-ventricular organs" of the rat. V. The oxidoreductases, the transferases and the hydrolases of the pineal gland. Botticelli A, et al. **Acta Histochem (Jena) 44:288-99, 1972**

Increased N-acetylserotonin and melatonin formation induced by d-amphetamine in rat pineal gland organ culture via a -adrenergic receptor mechanism. Bäckström M, et al. **Acta Physiol Scand 87:113-20, Jan 73**

Catechol-O-methyltransferase, histamine-N-methyltransferase and methanol forming enzymes in the rat pineal gland. Bäckström M, et al. **Life Sci [I] 11:293-9, 15 Mar 72**

[Histoenzymologic study of the metabolism of the pineal gland in pregnant rats] Devečerski V. **C R Soc Biol (Paris) 166:731-2, 1972 (Fre)**

[Histoenzymologic study of the pineal gland in rats adapted to cold] Devečerski V. **C R Soc Biol (Paris) 166:970-2, 1972 (Fre)**

[Histoenzymologic study of pinealocytes and epiphyseal astrocytes] Gerebtzoff MA, et al. **C R Soc Biol (Paris) 166:713-5, 1972 (Fre)**

METABOLISM

Increased N-acetylserotonin and melatonin formation induced by d-amphetamine in rat pineal gland organ culture via a -adrenergic receptor mechanism. Bäckström M, et al. **Acta Physiol Scand 87:113-20, Jan 73**

Effect of optic chiasmotomy upon serotonin concentration in the pineal gland of the monkey. Kenny GC, et al. **Am J Phys Anthropol 38:399-402, Mar 73**

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest 3:30-42, 1972**

Photoperiod and crowding effects on testicular serotonin metabolism and lack of effects on melatonin synthesis in Uinta ground squirrels (Spermophilus armatus). Frehn JL, et al. **J Exp Zool 183:139-44, Feb 73**

Urinary excretion of 5-hydroxyindolacetic acid in low-birth-weight infants with and without phototherapy. Spennati G, et al. **J Pediatr 82:286-8, Feb 73**

Catechol-O-methyltransferase, histamine-N-methyltransferase and methanol forming enzymes in the rat pineal gland. Bäckström M, et al. **Life Sci [I] 11:293-9, 15 Mar 72**

Effects of sodium deprivation on pituitary and plasma prolactin, growth hormone, and thyrotropin levels in the rat. Reikin R, et al. **Neuroendocrinology 11:240-7, 1973**

[Histoenzymologic study of the metabolism of the pineal gland in pregnant rats] Devečerski V. **C R Soc Biol (Paris) 166:731-2, 1972 (Fre)**

[Degeneration of the pineal nerve of Rana esculenta L. following frontal-organ proximal and distal transection] Böttger WV, et al. **Z Zellforsch Mikrosk Anat 136:365-91, 1973 (Eng. Abstr.) (Ger)**

PATHOLOGY

The histological appearance of the human pineal gland from puberty to old age. Tapp E, et al. **J Pathol 108:137-44, Oct 72**

PHYSIOLOGY

Pinealectomy and blindness during pregnancy in the rat. Guerra MO, et al. **Am J Obstet Gynecol 115:582-3, 15 Feb 73**

Hair replacement in the guinea-pig and in man. Jackson D. **Br J Dermatol 87:509-11, Nov 72 (27 ref.)**

A possible relationship between the pineal gland and ethanol preference in the rat. Blum K, et al. **Curr Ther Res 15:25-30, Jan 73**

Compensatory growth of the ovaries, adrenal glands and kidneys in blinded, anosmic rats. Reiter RJ. **Experientia 28:1492-3, 15 Dec 72**

Initial observations on pinealectomized ferrets kept for long periods in either daylight or artificial illumination. Herbert J. **J Endocrinol 55:591-7, Dec 72**

Effects of restricted photoperiod and melatonin

administration of gonadal weight in the Japanese killifish. Urasaki H. J Endocrinol 55:619-20, Dec 72

Presence of an antigonadotropic substance in rat pineal incubation media. Benson B, et al. Life Sci [I] 11:669-77, 15 Jul 72

Muscular spasms and death in thyroparathyroidectomized rats subjected to pinealectomy. Reiter RJ, et al. Life Sci [I] 11:123-33, 1 Feb 72

Adrenergic effects on pineal cell membrane potential. Sakai KK, et al. Life Sci [I] 11:285-91, 15 Mar 72

Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. Physiol Behav 9:203-8, Aug 72

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al. C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)

[Histoenzymologic study of the metabolism of the pineal gland in pregnant rats] Devečerski V. C R Soc Biol (Paris) 166:731-2, 1972 (Fre)

[Histoenzymologic study of the pineal gland in rats adapted to cold] Devečerski V. C R Soc Biol (Paris) 166:970-2, 1972 (Fre)

[Effect of sex hormones and epiphysectomy on the activity of an alpha-hydroxylated acid oxidase in the testicular interstitial tissue and kidney] Timmermans L, et al. C R Soc Biol (Paris) 166:715-7, 1972 (Fre)

[Cytoenzymologic repercussions of epiphysectomy on the rat testis] Timmermans L, et al. C R Soc Biol (Paris) 166:733-6, 1972 (Fre)

[Effect of epiphysectomy on the structure and the metabolism of the vesical wall in rats] Timmermans L, et al. C R Soc Biol (Paris) 166:968-70, 1972 (Fre)

[The pineal photoreception] Morita Y. J Physiol Soc Jap 34:663-78, Oct 72 (133 ref.) (Jap)

[Action of the pineal body on sexual function and on lipid metabolism] Damian E. Stud Cercet Endocrinol 23:389-96, 1972 (Rum)

PHYSIOPATHOLOGY

[Degeneration of the pineal nerve of Rana esculenta L. following frontal-organ proximal and distal transection] Böttger WV, et al. Z Zellforsch Mikrosk Anat 136:365-91, 1973 (Eng. Abstr.) (Ger)

SURGERY

Initial observations on pinealectomized ferrets kept for long periods in either daylight or artificial illumination. Herbert J. J Endocrinol 55:591-7, Dec 72

Effects of restricted photoperiod and melatonin administration of gonadal weight in the Japanese killifish. Urasaki H. J Endocrinol 55:619-20, Dec 72

Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Reiter RJ, et al. Physiol Behav 9:203-8, Aug 72

[Cytoenzymologic repercussions of epiphysectomy on the rat testis] Timmermans L, et al. C R Soc Biol (Paris) 166:733-6, 1972 (Fre)

[Effect of epiphysectomy on the structure and the metabolism of the vesical wall in rats] Timmermans L, et al. C R Soc Biol (Paris) 166:968-70, 1972 (Fre)

11. Disorders of the Amygdaloid Body

HYPOTHALAMUS

INJURIES

[Changes in the duration of the estral cycle and sexual receptivity after lesion of the ventromedial nucleus in rats] Carrer H, et al.
C R Soc Biol (Paris) 166:924-8, 1972 (Fre)

PINEALOMA

DIAGNOSIS

[Encephalomycloscintigram] Furuta A, et al.
Jap J Clin Radiol 18:10-8, Jan 73 (Jap)

METABOLISM

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

PHYSIOPATHOLOGY

Change of delta activity during rapid eye movement sleep in patients with brain tumor. Ogami S.
Electroencephalogr Clin Neurophysiol 34:153-62, Feb 73

RADIOGRAPHY

The vertebral angiogram in patients with tumours in or near the midline. Peeters FL.
Neuroradiology 5:53-8, Feb 73

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING FACTOR

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) **(Jap)**

ANALYSIS

Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al.
Nature (Lond) 240:554-6, 29 Dec 72
[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) **(Jap)**

ANTAGONISTS & INHIBITORS

Inhibition of the adrenocortical response to hypoxia hy dexamethasone. Marotta SF, et al.
Aerosp Med 44:1-4, Jan 73

METABOLISM

[New neuro-endocrine data on Steinert's disease, particularly concerning the hypothalamo-hypophyseal-adrenal axis and the regulation of phospho-calcic metabolism] Bernard-Weil E.
Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Eng. Abstr.) **(Fre)**

SECRETION

Inhibition of the adrenocortical response to hypoxia by dexamethasone. Marotta SF, et al.
Aerosp Med 44:1-4, Jan 73
Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus. Edwardson JA, et al.
Nature (Lond) 240:554-6, 29 Dec 72
[Effect of oral administration of L-Dopa on plasma TSH, ACTH and GH levels in normal subjects] Simonin R, et al.
Ann Endocrinol (Paris) 33:294-6, May-Jun 72 (Eng. Abstr.) **(Fre)**

MELATONIN

[Endocrinologic principles of pigmentation disorders due to contraceptives] Leonhardi G.
Arch Dermatol Forsch 244:495-9, 1972 **(Ger)**

ADMINISTRATION & DOSAGE

Melatonin and parkinsonism. Shaw KM, et al.
Lancet 1:271, 3 Feb 73

ANALYSIS

Tryptamine or tryptophyl-peptides in endocrine cells of rabbit gastric antrum. Håkanson R, et al.
Biochem Pharmacol 21:1703-12, 15 Jun 72
Factors controlling the selection of tissue-specific metabolic pathways in early embryonic cells. Kostellow AB, et al. **Exp Cell Res** 77:183-94, 15 Mar 73

BIOSYNTHESIS

Increased N-acetylserotonin and melatonin formation induced by d-amphetamine in rat pineal gland organ culture via a -adrenergic receptor mechanism. Bäckström M, et al.
Acta Physiol Scand 87:113-20, Jan 73
Photoperiod and crowding effects on testicular serotonin metabolism and lack of effects on melatonin synthesis in Uinta ground squirrels (Spermophilus armatus). Frehn JL, et al. **J Exp Zool** 183:139-44, Feb 73

METABOLISM

[Effect of epiphysectomy on hypothalamic and pituitary incorporation of 17 beta-estradiol in female rats] Gogan F, et al.
C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 **(Fre)**

PHARMACODYNAMICS

Inhibition of cilia regeneration by antineoplastic agents: delay of band migration by vinblastine (NSC-49842), griseofulvin (NSC-34533), and -peltatin (NSC-24819). Propst S, et al.
Cancer Chemother Rep 56:557-8, Oct 72
A possible relationship between the pineal gland and ethanol preference in the rat. Blum K, et al.
Curr Ther Res 15:25-30, Jan 73
Effects of restricted photoperiod and melatonin administration of gonadal weight in the Japanese killifish. Urasaki H. **J Endocrinol** 55:619-20, Dec 72
Administration of melatonin to non-human primates and to women with breast carcinoma. Burns JK.
J Physiol (Lond) 229:38P-39P, Feb 73
The effect of melanocyte-stimulating hormone on coat color in the mouse. Geschwind II, et al.
Recent Prog Horm Res 28:91-130, 1972
[Action of the pineal body on sexual function and on lipid metabolism] Damian E.
Stud Cercet Endocrinol 23:389-96, 1972 **(Rum)**
[Action of melatonin on cholesterol and 17-ketosteroids in rats] Damian E, et al.
Stud Cercet Endocrinol 24:105-8, 1973 **(Rum)**

THERAPEUTIC USE

Melatonin and parkinsonism. Shaw KM, et al.
Lancet 1:271, 3 Feb 73

PITUITARY HORMONE RELEASING FACTORS

Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats. Taleisnik S, et al. **Neuroendocrinology** 10:235-45, 1972
Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al.
Prostaglandins 2:199-205, Sep 72
[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al.
C R Acad Sci [D] (Paris) 275:2913-6, 18 Dec 72 **(Fre)**
[Advances in gynecology] Millet D, et al.
Rev Prat 22:Suppl:42-4, 25 Nov 72 **(Fre)**
[Animal experiments on the effectiveness of estriol in the pituitary-diencephalic system] Ohlenroth G, et al.
Zentralbl Gynaekol 94:1697-701, 9 Dec 72 **(Ger)**
[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) **(Jap)**
[Radioimmunoassay of pituitary hormones] Kumahara Y, et al. **Jap J Clin Pathol** 20:Suppl:1, 1972 **(Jap)**
[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) **(Jap)**
[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R.
Ginekol Pol 44:1-7, Jan 73 **(Pol)**

ADMINISTRATION & DOSAGE

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al.
Acta Obstet Gynecol Scand 52:171-5, 1973

(Des-Gly-NH 10 2 , pro-ethylamide 9)-LH-RH: a highly potent analog of luteinizing hormone releasing hormone. Fujino M, et al.
Arch Biochem Biophys 154:488-9, Jan 73

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Héry M, et al.
Life Sci [I] 11:809-15, 1 Sep 72

Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. Life Sci [I] 11:623-30, 1 Jul 72

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

ADVERSE EFFECTS

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

ANALYSIS

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al.
Biochem Biophys Res Commun 50:866-71, 5 Feb 73

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73

Structure of a hypothalamic peptide possessing gonadotropin-releasing activity. Nair RM, et al.
Int J Pept Protein Res 4:421-30, 1972

Enzymatic synthesis of growth hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Reichlin S, et al.
Proc Soc Exp Biol Med 142:497-501, Feb 73

[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. Biol Reprod 8:83-6, Feb 73

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R.
Contraception 5:1-19, Jan 72

BIOSYNTHESIS

Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone. Johansson KN, et al.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73

Enzymatic synthesis of growth hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Reichlin S, et al.
Proc Soc Exp Biol Med 142:497-501, Feb 73

CHEMICAL SYNTHESIS

(Des-Gly-NH 10 2 , pro-ethylamide 9)-LH-RH: a highly potent analog of luteinizing hormone releasing hormone. Fujino M, et al.
Arch Biochem Biophys 154:488-9, Jan 73

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al.
Biochem Biophys Res Commun 50:866-71, 5 Feb 73

Pituitary binding sites for (3 H)-labelled luteinizing hormone releasing factor (LRF). Grant G, et al.
Biochem Biophys Res Commun 50:771-8, 5 Feb 73

DIAGNOSTIC USE

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

[Anomalies of the female sex organs--diagnosis and etiology of amenorrhea] Tanizawa O.
Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)

ISOLATION & PURIFICATION

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R.
Contraception 5:1-19, Jan 72

Structure of a hypothalamic peptide possessing gonadotropin-releasing activity. Nair RM, et al.
Int J Pept Protein Res 4:421-30, 1972

METABOLISM

Pituitary binding sites for (3 H)-labelled luteinizing hormone releasing factor (LRF). Grant G, et al.
Biochem Biophys Res Commun 50:771-8, 5 Feb 73

PHARMACODYNAMICS

Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients. Nakano R, et al.
Acta Obstet Gynecol Scand 52:171-5, 1973

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone. Yanaihara T, et al. Am J Obstet Gynecol 115:855-6, 15 Mar 73

(Des-Gly-NH 10 2 , pro-ethylamide 9)-LH-RH: a highly potent analog of luteinizing hormone releasing hormone. Fujino M, et al.
Arch Biochem Biophys 154:488-9, Jan 73

Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones. Bowers CY, et al.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73

On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone. Currie BL, et al.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73

Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Norman RL, et al. Biol Reprod 8:83-6, Feb 73

Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH. Mendoza D, et al.
Endocrinology 92:1153-60, Apr 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al.
Eur J Clin Invest 3:49-56, Jan 73

Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al.
Fertil Steril 24:126-30, Feb 73

The effect of compound F8066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al.
Fertil Steril 24:116-20, Feb 73

Heterogeneity of gonadotropin response to LHRH in hypogonadotropic hypogonadism. Bell J, et al.
J Clin Endocrinol Metab 36:791-4, Apr 73

A homologous radioimmunoassay for human prolactin. Sinha YN, et al.
J Clin Endocrinol Metab 36:509-16, Mar 73

Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. Zárate A, et al. J Clin Endocrinol Metab 36:612-4, Mar 73

The response of the reproductive system in the female mutant mouse, obese (genotype obob) to

gonadotrophin-releasing hormones. Batt RA. J Reprod Fertil 31:496-7, Dec 72

Ovine luteinizing hormone release induced by a synthetic gonadotrophin-releasing factor. Cumming IA, et al. J Reprod Fertil 32:340, Feb 73

The release of luteinizing hormone by oestradiol-17 and a synthetic gonadotrophin-releasing factor in ewes affected with clover disease. Findlay JK, et al. J Reprod Fertil 32:341-2, Feb 73

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. J Reprod Fertil 32:341, Feb 73

The effect of hypothalamic gonadotrophin releasing hormones on the secretion of luteinizing hormone from the pituitary gland of the domestic fowl. Onuora GI, et al. J Reprod Fertil 31:494-5, Dec 72

Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Héry M, et al. Life Sci [I] 11:809-15, 1 Sep 72

Studies with synthetic LH-releasing hormone in the human. 1. Continuous recording of plasma gonadotropins in women following intravenous LRH. Schneider HP, et al. Life Sci [I] 11:623-30, 1 Jul 72

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al. Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. Recent Prog Horm Res 28:201-27, 1972

PHYSIOLOGY

The hypothalamus and reproduction. Schally AV, et al. Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control. Guillemin R. Contraception 5:1-19, Jan 72

Mammalian luteinizing hormone-releasing hormone induces ovulation in the domestic fowl. Van Tienhoven A, et al. Gen Comp Endocrinol 19:594-5, Dec 72

Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats. Babichev VN. Neurosci Behav Physiol 5:195-9, Jul-Sep 72

[Postnatal evolution of hypothalamic releasing factors] Scemama A. J Physiol (Paris) 65:Suppl:298A, Oct 72 (Fre)

[Hypothalamic releasing hormones] Gilboa I. Harefuah 83:207-8, 15 Sep 72 (Heb)

SECRETION

The hypothalamic median eminence as a neuroendocrine organ. Kobayashi H, et al. Med J Osaka Univ 23:43-55, Sep 72

Participation of the amygdala and of the cerebellum in the feedback effects of progesterone. Piva F, et al. Neuroendocrinology 11:229-39, 1973

Electrical changes induced in rat adenohypophysial cells, in vivo, with hypothalamic extract. York DH, et al. Neuroendocrinology 11:212-28, 1973

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG. Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

THERAPEUTIC USE

The hypothalamus and reproduction. Schally AV, et al. Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)

[TRH and LH-RH] Saito S, et al. Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

[Hypothalamic hormones and their analogues in diagnosis and therapy] Klimek R. Ginekol Pol 44:1-7, Jan 73 (Pol)

ADMINISTRATION & DOSAGE

Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow. Kelly PA, et al. Endocrinology 92:1289-93, Apr 73

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al. J Clin Endocrinol Metab 36:605-7, Mar 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. Recent Prog Horm Res 28:173-200, 1972

[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al. Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)

[TRH and LH-RH] Saito S, et al. Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al. Folia Endocrinol Jap 48:670-3, 20 Dec 72 (Eng. Abstr.) (Jap)

ADVERSE EFFECTS

[TRH and LH-RH] Saito S, et al. Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

ANALYSIS

Organ distribution of thyrotropin-releasing hormone. Dupont A, et al. Gen Comp Endocrinol 19:522-6, Dec 72

The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse. Virkkunen P, et al. Horm Metab Res 4:506-7, Nov 72

ANTAGONISTS & INHIBITORS

Inhibition of thyrotropin releasing hormone (TRH) stimulated thyrotropin (TSH) secretion in man by a single oral dose of thyroid hormone. Wilber J, et al. Horm Metab Res 4:508, Nov 72

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al. Hormones 3:250-6, 1972

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al. J Clin Endocrinol Metab 36:605-7, Mar 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al. Proc Soc Exp Biol Med 142:421-3, Feb 73

Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al. Proc Soc Exp Biol Med 142:516-20, Feb 73

BIOSYNTHESIS

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. Recent Prog Horm Res 28:229-86, 1972

BLOOD

The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse. Virkkunen P, et al. Horm Metab Res 4:506-7, Nov 72

Inhibition of thyrotropin releasing hormone (TRH) stimulated thyrotropin (TSH) secretion in man by a single oral dose of thyroid hormone. Wilber J, et al. Horm Metab Res 4:508, Nov 72

Advances in the laboratory diagnosis of thyroid disease. II. Fisher DA. J Pediatr 82:187-91, Feb 73

[Ability to stimulate TSH secretion by TRH in autonomous thyroid adenoma] Pickardt CR, et al. Dtsch Med Wochenschr 98:152-7, 26 Jan 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Inappropriate lactation and amenorrhoea: pathological and diagnostic considerations. Gates RB, et al. Acta Endocrinol (Kbh) 72:101-14, Jan 73

THYROTROPIN RELEASING FACTOR

Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats. Baksi SN, et al. Endokrinologie 60:251-6, 1972

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. Recent Prog Horm Res 28:229-86, 1972

[TRH and LH-RH] Saito S, et al. Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

[Hypothalamic hormones and their analogues in

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr** 82:1-9, Jan 73 (62 ref.)

Thyroid function assessment. Birnbaum MD. **Obstet Gynecol** 41:315-7, Feb 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res** 28:173-200, 1972

[Functional diagnosis of the pituitary-thyroid gland system using the hypothalamic thyrotropin releasing hormone (TRF) and the radioiodine 3-phase test] Glanzmann C, et al. **Klin Wochenschr** 51:127-31, 1 Feb 73 (Eng. Abstr.) **(Ger)**

[Pituitary gland-thyroid gland regulation in mild struma: experiences with the thyreotropin releasing factor test] Hrubesch M, et al. **Med Welt** 23:1810-2, 25 Nov 72 **(Ger)**

[TRH and LH-RH] Saito S, et al. **Clin Endocrinol (Tokyo)** 20:775-81, Oct 72 (44 ref.) **(Jap)**

METABOLISM

Organ distribution of thyrotropin-releasing hormone. Dupont A, et al. **Gen Comp Endocrinol** 19:522-6, Dec 72

The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse. Virkkunen P, et al. **Horm Metab Res** 4:506-7, Nov 72

PHARMACODYNAMICS

Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow. Kelly PA, et al. **Endocrinology** 92:1289-93, Apr 73

The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders. Lundberg PO, et al. **Eur J Clin Invest** 3:49-56, Jan 73

Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH. Steiner H, et al. **Horm Metab Res** 4:484-8, Nov 72

Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. administration of thyrotropin releasing hormone (TRH). Wiegelmann W, et al. **Horm Metab Res** 4:482-4, Nov 72

Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Vigneri R, et al. **Hormones** 3:250-6, 1972

Effect of thyrotropin-releasing hormone on human pituitary thyrotropin, prolactin, placental lactogen, and chorionic thyrotropin. Hershman JM, et al. **J Clin Endocrinol Metab** 36:497-501, Mar 73

Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro. May PB, et al. **J Clin Endocrinol Metab** 36:605-7, Mar 73

TSH response to synthetic thyrotropin-releasing hormone in human protein-calorie malnutrition. Pimstone B, et al. **J Clin Endocrinol Metab** 36:779-83, Apr 73

A homologous radioimmunoassay for human prolactin. Sinha YN, et al. **J Clin Endocrinol Metab** 36:509-16, Mar 73

Effect of TRH and triiodothyronine on prolactin release in sheep. Debeljuk L, et al. **Proc Soc Exp Biol Med** 142:421-3, Feb 73

Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone. Onaya T, et al. **Proc Soc Exp Biol Med** 142:516-20, Feb 73

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res** 28:173-200, 1972

[Stimulation of TSH secretion by TRH in patients with nontoxic goiter: diagnostic and pathophysiologic implications] Pickardt CR, et al. **Klin Wochenschr** 50:1134-7, 15 Dec 72 (Eng. Abstr.) **(Ger)**

[Control of thyroid hormone therapy in nontoxic goiter by determination of TSH levels after TRH stimulation] Pickardt CR, et al. **Klin Wochenschr** 50:1138-9, 15 Dec 72 (Eng. Abstr.) **(Ger)**

[Reaction of the avian pituitary gland to synthetic thyrotropin releasing factor] Shiomi K, et al. **Clin Endocrinol (Tokyo)** 20:645-7, Aug 72 **(Jap)**

[Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis] Shiomi K, et al. **Folia Endocrinol Jap** 48:670-3, 20 Dec 72 (Eng. Abstr.) **(Jap)**

PHYSIOLOGY

[Hypothalamic releasing hormones] Gilboa I. **Harefuah** 83:207-8, 15 Sep 72 **(Heb)**

SECRETION

Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt. Compber MK Jr, et al. **Gen Comp Endocrinol** 20:29-40, Feb 73

Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat. Conklin PM, et al. **Neuroendocrinology** 11:197-211, 1973

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res** 28:229-86, 1972

TOXICITY

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res** 28:173-200, 1972

URINE

The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse. Virkkunen P, et al. **Horm Metab Res** 4:506-7, Nov 72

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

Purification and properties of a cyclic nucleotide phosphodiesterase from bovine heart. Goren EN, et al. **Arch Biochem Biophys 153:384-97, Nov 72**

The interaction of -cyclodextrin with nucleic acid monomer units. Formoso C. **Biochem Biophys Res Commun 50:999-1005, 20 Feb 73**

Activation of glycogen synthetase and inactivation of phosphorylase kinase by the same phosphoprotein phosphatase. Zieve FJ, et al. **Biochem Biophys Res Commun 50:872-8, 5 Feb 73**

Activation and phosphorylation of the subunits of phosphorylase kinase. Cohen P. **Biochem J 130:5P-6P, Nov 72**

The isolation and chemical composition of premelanosomes and melanosomes: human and mouse melanomas. Siakotos AN, et al. **Biochem Med 7:14-24, Feb 73**

Brain microsomal protein kinase in the chronically morphinized rat. Clark AG, et al. **Biochem Pharmacol 21:1989-90, 15 Jul 72**

Characterization of two forms of beef heart cyclic nucleotide phosphodiesterase. Hrapchak RJ, et al. **Biochemistry 11:4458-65, 21 Nov 72**

Occurrence and properties of a chromatin-associated F1-histone phosphokinase in mitotic Chinese hamster cells. Lake RS, et al. **Biochemistry 11:4817-26, 5 Dec 72**

Synthesis and biological activity of some 2' derivatives of adenosine 3',5'-cyclic phosphate. Miller JP, et al. **Biochemistry 12:1010-6, 27 Feb 73**

Comparison of catalytic units of muscle and liver adenosine 3',5'-monophosphate dependent protein kinases. Yamamura H, et al. **Biochemistry 12:856-62, 27 Feb 73**

Strain L fibroblast lipases. Purification and properties. Lengle E, et al. **Biochim Biophys Acta 296:411-25, 14 Feb 73**

Human brain and platelet cyclic adenosine 3',5'-monophosphate phosphodiesterases: different response to drugs. Pichard AL, et al. **Biochim Biophys Acta 279:217-20, 18 Aug 72**

Biochemical variability in the skin. Cotton DW. **Br J Dermatol 88:87-90, Jan 73 (20 ref.)**

Cyclic 3',5'-adenosine monophosphate-dependent protein kinase of skin. II. Levels in atopic dermatitis and psoriasis. Mier PD, et al. **Br J Dermatol 87:577-9, Dec 72**

Cyclic 3',5'-adenosine monophosphate-dependent protein kinase of skin. I. Measurement and properties. Mier PD, et al. **Br J Dermatol 87:571-6, Dec 72**

Purification and properties of rat liver nuclear protein kinases. Desjardins PR, et al. **Can J Biochem 50:1249-59, Dec 72**

Cyclic adenosine 3',5'-monophosphate phosphodiesterase activity in normal, differentiating, regenerating, and neoplastic liver. Clark JF, et al. **Cancer Res 33:356-61, Feb 73**

Formation and reduction of intermediate acyladenylate by aryl-aldehyde. NADP oxidoreductase from Neurospora crassa. Gross GG. **Eur J Biochem 31:585-92, 18 Dec 72**

Adenylate cyclase and insulin action. Effect of insulin, nonsuppressible insulin-like material, and diabetes on adenylate-cyclase activity in mouse liver. Hepp KD. **Eur J Biochem 31:266-76, 4 Dec 72**

Biochemistry of adenosine triphosphatase activity of avian fast and slow muscle. Reasons RH, et al. **Exp Neurol 38:27-32, Jan 73**

Characterization of the interaction of a protein inhibitor with adenosine 3',5'-monophosphate-dependent protein kinases. II. Mechanism of action with the holoenzyme. Ashby CD, et al. **J Biol Chem 248:1255-61, 25 Feb 73**

Studies on heart phosphofructokinase. Role of fructose 1,6-diphosphate in enzyme activity. el-Badry AM, et al. **J Biol Chem 248:557-63, 25 Jan 73**

Properties of adenosine 3',5'-monophosphate-dependent protein kinases isolated from bovine epididymal spermatozoa. Garbers DL, et al. **J Biol Chem 248:875-9, 10 Feb 73**

Phosphofructokinase activity in skeletal muscle extracts following administration of epinephrine. Mansour TE. **J Biol Chem 247:6059-66, 10 Oct 72**

Purification and properties of a protein kinase from bovine corpus luteum that is stimulated by cyclic adenosine 3',5'-monophosphate and luteinizing hormone. Menon KM. **J Biol Chem 248:494-501, 25 Jan 73**

Separate phosphodiesterases for the hydrolysis of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in rat liver. Russell TR, et al. **J Biol Chem 248:1334-40, 25 Feb 73**

Purification and properties of the protein activator of bovine heart cyclic adenosine 3',5'-monophosphate phosphodiesterase. Teo TS, et al. **J Biol Chem 248:588-95, 25 Jan 73**

Inactivation of hormone-sensitive lipase in extracts of adipose tissue. Tsai SC, et al. **J Biol Chem 247:6253-8, 10 Oct 72**

Cyclic-nucleotide phosphodiesterase: an early defect in inherited retinal degeneration of C3H mice. Schmidt SY, et al. **J Cell Biol 57:117-23, Apr 73**

Cyclic 3',5'-AMP phosphodiesterase activity during cyclic AMP-induced differentiation of neuroblastoma cells in culture. Prasad KN, et al. **Proc Soc Exp Biol Med 142:406-9, Feb 73**

The pharmacology of platelet inhibition. Weiss HJ. **Prog Hemostasis Thromb 1:199-231, 1972 (246 ref.)**

[Comparison of phosphorylase-b-kinase from frog and rabbit muscle] Jennissen HP, et al. **Hoppe Seylers Z Physiol Chem 353:1530, Oct 72 (Ger)**

[Abolition of polarity in an in-vitro system for enzymes of the galactose operon] Wetekam W. **Hoppe Seylers Z Physiol Chem 353:1577, Oct 72 (Ger)**

[Regulation of cell function] Csaba G. **Orv Hetil 114:245-54, 4 Feb 73 (Hun)**

[Purification and assay of cAMP receptor protein] Iida Y. **Protein Nucleic Acid Enzyme (Tokyo) Suppl:179-82, Oct 72 (27 ref.) (Jap)**

ANALYSIS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. **Am J Obstet Gynecol 115:606-14, 1 Mar 73**

-Methylene-adenosine-5'-triphosphate--effects of a competitive inhibitor of adenylate cyclase on cyclic AMP accumulation and lipolysis in isolated fat cells. Krug F, et al. **Biochem Biophys Res Commun 50:985-91, 20 Feb 73**

Cyc1 AMP in G1-arrested BHK21 cells infected with adenovirus type 12. Raska K Jr. **Biochem Biophys Res Commun 50:35-41, 4 Jan 73**

The role of adenosine 3':5'-cyclic monophosphate in the regulation of insulin release. Properties of islet-cell

adenosine 3':5'-cyclic monophosphate phosphodiesterase. Sams DJ, et al. **Biochem J** 129:945-52, Oct 72

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. **Clin Chem** 19:312-4, Mar 73

A growth factor for animal cells derived from peptone. II. Effect of the growth factor on cellular metabolism. Hsueh HW, et al. **Exp Cell Res** 77:383-90, 15 Mar 73

Studies on cyclic AMP levels and phosphodiesterase activity in developing sea urchin eggs. Effects of puromycin, 6-dimethylamino purine and aminophylline. Nath J, et al. **Exp Cell Res** 77:319-22, 15 Mar 73

Inhibition of cutaneous hypersensitivity by cyclic AMP. Yamamoto S, et al. **Int Arch Allergy Appl Immunol** 43:118-22, 1972

Purification and identification of the fruiting-inducing substances in Coprinus macrorhizus. Uno I, et al. **J Bacteriol** 113:1240-8, Mar 73

Growth of normal and transformed rat embryo fibroblasts: effects of glycolipids from Salmonella minnesota R mutants. Brailovsky C, et al. **J Cell Biol** 57:124-32, Apr 73

Effect of adenosine 3'-5'-cyclic monophosphate on cell proliferation. Froehlich JE, et al. **J Cell Biol** 55:19-31, Oct 72

Biochemical characteristics of normal and virally transformed mouse cell lines. Yoshikawa-Fukada M, et al. **J Cell Physiol** 80:421-30, Dec 72

Liquid chromatographic analysis of nucleosides, purine base-modified adenosine derivatives and 3',5'-cyclic AMP. Stahl KW, et al. **J Chromatogr** 76:477-81, 28 Feb 73

The levels of cyclic AMP during substrate-accelerated death. Calcott PH, et al. **J Gen Microbiol** 73:197-200, Nov 72

Influence of acetylcholine on contractile force and cyclic nucleotide levels in the isolated perfused rat heart. George WJ, et al. **J Pharmacol Exp Ther** 184:228-35, Jan 73

A colicin-tolerant mutant of Escherichia coli with reduced levels of cyclic AMP and a strong bias towards lambda lysogeny. Rolfe B, et al. **Mol Gen Genet** 120:1-16, 18 Jan 73

Cyclic adenosine monophosphate and hypertension in rats. Amer MS. **Science** 179:807-9, 23 Feb 73

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. **Science** 179:902-4, 2 Mar 73

Noradrenergic stimulation of cyclic adenosine monophosphate in rat Purkinje neurons: an immunocytochemical study. Siggins GR, et al. **Science** 179:585-8, 9 Feb 73

[Confirmation of the presence of cyclic AMP in lettuce seeds, var. reine de mai] Pradet A, et al. **C R Acad Sci [D] (Paris)** 275:1987-8, 30 Oct 72 **(Fre)**

[Significance of 3',5'-cyclic AMP in the gastric secretion of the rat] Domschke W, et al. **Hoppe Seylers Z Physiol Chem** 353:1509, Oct 72 **(Ger)**

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y. **Folia Endocrinol Jap** 48:412-21, 20 Sep 72 (Eng. Abstr.) **(Jap)**

[Cyclic AMP of the brain] Shimizu H. **Jap J Clin Pathol** 20:780-7, Nov 72 (87 ref.) **(Jap)**

ANTAGONISTS & INHIBITORS

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al. **Arch Biochem Biophys** 154:230-9, Jan 73

Inhibition in vitro of cyclic 3',5' nucleotide phosphodiesterase activity by drugs. Moffat AC, et al. **Eur J Toxicol** 5:160-2, May-Jun 72

The levels of cyclic AMP during substrate-accelerated death. Calcott PH, et al. **J Gen Microbiol** 73:197-200, Nov 72

[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al. **C R Acad Sci [D] (Paris)** 275:2913-6, 18 Dec 72 **(Fre)**

[Cyclic AMP of the brain] Shimizu H. **Jap J Clin Patbol** 20:780-7, Nov 72 (87 ref.) **(Jap)**

BIOSYNTHESIS

On the action of tolbutamide in normal man. 3. Interaction of tolbutamide with glucagon, aminophylline and arginine in stimulating insulin response. Widström A, et al. **Acta Endocrinol (Khh)** 72:532-44, Mar 73

The control of platelet responsiveness by agents that influence cyclic AMP metabolism. Mills DC, et al. **Ann NY Acad Sci** 201:391-9, 27 Oct 72

Modification of platelet function. Mustard JF, et al. **Ann NY Acad Sci** 201:343-59, 27 Oct 72

The essential role of the imidazole group of glucagon in its biological function. Epand RM, et al. **Arcb Biochem Biophys** 154:132-6, Jan 73

Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists; cyclic AMP and corticosterone production. Seelig S, et al. **Arch Biochem Biophys** 154:230-9, Jan 73

-Methylene-adenosine-5'-triphosphate--effects of a competitive inhibitor of adenylate cyclase on cyclic AMP accumulation and lipolysis in isolated fat cells. Krug F, et al. **Biochem Biophys Res Commun** 50:985-91, 20 Feb 73

Modification of hamster sperm adenyl cyclase by capacitation in vitro. Morton B, et al. **Biochem Biophys Res Commun** 50:697-703, 5 Feb 73

Effect of glycolysis inhibitors on cyclic AMP syntbesis in rat adipose tissue. Fassina G, et al. **Biochem Pharmacol** 21:2295-301, 1 Sep 72

Age-dependent changes in the adenylate cyclase and phosphodiesterase activity of rat erythrocytes. Shappard H, et al. **Biochem Pharmacol** 22:427-9, 1 Feb 73

Synthesis of cyclic AMP and phosphodiesterase in various species of cellular slime molds and its bearing on chemotaxis and differentiation. Bonner JT, et al. **Dev Biol** 29:402-9, Dec 72

Relation between steroidogenesis and 3',5'-cyclic AMP production in isolated adrenal cells. Nakamura M, et al. **Endocrinol Jap** 19:443-8, Oct 72

The effect of compound F6066 on rat luteinizing hormone (LH) and follicle-stimulating hormone (FSH) release in vitro. Makino T, et al. **Fertil Steril** 24:116-20, Feb 73

Disturbance by tumor promotors of epidermal growth control (chalone mechanism). Marks F, et al. **Hoppe Seylers Z Physiol Chem** 353:1970-2, Dec 72

Effects of insulin on the lipolytic system of rat fat cells. Schönhöfer PS, et al. **Horm Metab Res** 4:447-54, Nov 72

Salmonella typhimurium mutants lacking ribonuclease I: effect on the polarity of histidine mutants. Bruni CB, et al. **J Bacteriol** 113:1207-12, Mar 73

Metabolism of adenosine 3',5'-cyclic monophosphate and induction of fruiting bodies in Coprinus macrorhizus. Uno I, et al. **J Bacteriol** 113:1249-55, Mar 73

Purification and identification of tbe fruiting-inducing substances in Coprinus macrorhizus. Uno I, et al. **J Bacteriol** 113:1240-8, Mar 73

Relation of glucagon-specific binding sites to glucagon-dependent stimulation of adenylyl cyclase activity in plasma membranes of rat liver. Birnbaumer L, et al. **J Biol Chem** 248:2056-61, 25 Mar 73

Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. I. Formation of cyclic adenosine 3',5'-monopbosphate from endogenous adenosine triphosphate and from radioactive adenosine triphosphate formed during a prior incubation witb radioactive adenine. Schultz J, et al. **J Biol Chem** 248:843-52, 10 Feb 73

Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. 3. Formation, degradation, and reformation of cyclic adenosine 3',5'-monophosphate during sequential stimulations by biogenic amines and adenosine. Schultz J, et al. **J Biol Chem** 248:860-6, 10 Feb 73

Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. **J Cell Physiol** 80:315-28, Dec 72

Adenyl cyclase-phosphodiesterase system in arterial smooth muscle. Triner L, et al. **Life Sci [I]** 11:817-24, 1 Sep 72

Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Sayers G, et al. **Science** 179:1330-1, 30 Mar 73

[Nature and mechanisms of changes in cells during neoplastic evolution] Vasil'ev IuM. **Arkh Patol** 35:3-13, 1973 (79 ref.) **(Rus)**

BLOOD

Cyclic 3',5'-adenosine monophosphate in human blood

platelets. IV. Regulatory role of cyclic amp in platelet function. Salzman EW, et al.
Ann NY Acad Sci 201:61-71, 27 Oct 72
Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. **Clin Chem** 19:312-4, Mar 73
[Kidney and cyclic AMP] Osawa M, et al.
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)
[Free nucleotides of normal leukocytes and leukocytes in chromic leukemia] Maj S, et al.
Acta Haematol Pol 3:111-8, Apr-Jun 72 (Eng. Abstr.) (Pol)

DIAGNOSTIC USE

Cylic AMP. A mediator of hormone response and its clinical application. Murad F.
Va Med Mon 99:1197-201, Nov 72

ISOLATION & PURIFICATION

Effect of glycolysis inhibitors on cyclic AMP synthesis in rat adipose tissue. Fassina G, et al.
Biochem Pharmacol 21:2295-301, 1 Sep 72
The cyclic AMP system of human brain. Kodama T, et al. **Brain Res** 50:135-46, 14 Feb 73

METABOLISM

On the action of tolbutamide in normal man. 3. Interaction of tolbutamide with glucagon, aminophylline and arginine in stimulating insulin response. Widström A, et al.
Acta Endocrinol (Kbh) 72:532-44, Mar 73
Studies on mechanical actions of mepivacaine (Carbocaine) and its optically active isomers on isolated smooth muscle: role of Ca ++ and cyclic AMP. Aberg G, et al.
Acta Pharmacol Toxicol (Kbh) 31:321-36, 1972
Role of cyclic AMP and Ca ++ in mechanical and metabolic events in isometrically contracting vascular smooth muscle. Andersson R.
Acta Physiol Scand 87:84-95, Jan 73
Respiratory smooth muscle relaxing effect of commercial steroid preparations. Geddes BA, et al.
Am Rev Respir Dis 107:395-9, Mar 73
The control of platelet responsiveness by agents that influence cyclic AMP metabolism. Mills DC, et al.
Ann NY Acad Sci 201:391-9, 27 Oct 72
Studies on the mechanism of the antilipolytic effect of Paraoxon. Dinnendahl V, et al.
Arch Toxikol 30:175-82, 1973
Protamine kinase independent of adenosine 3',5'-monophosphate from rat brain cytosol. Inoue Y, et al.
Biochem Biophys Res Commun 50:228-36, 23 Jan 73
, -Methylene-adenosine-5'-triphosphate--effects of a competitive inhibitor of adenylate cyclase on cyclic AMP accumulation and lipolysis in isolated fat cells. Krug F, et al.
Biochem Biophys Res Commun 50:985-91, 20 Feb 73
The effect of glucagon on adenosine 3':5'-cyclic monophosphate concentrations in an organ culture of adult rat liver. Campbell AK, et al.
Biochem J 130:15P-16P, Nov 72
The role of adenosine 3':5'-cyclic monophosphate in the regulation of insulin release. Properties of islet-cell adenosine 3':5'-cyclic monophosphate phosphodiesterase. Sams DJ, et al.
Biochem J 129:945-52, Oct 72
The effect of local anaesthetics on lipolysis in fat-cells. Siddle K, et al. **Biochem J** 130:34P, Nov 72
Effect of in vitro histone phosphorylation on template activity of rat liver chromatin. Chae CB, et al.
Biochim Biophys Acta 287:134-53, 16 Nov 72
Triglyceride storage disease: a disorder of lipolysis in adipose tissue in two patients. Gilbert C, et al.
Br Med J 1:25-7, 6 Jan 73
The cyclic AMP system of human brain. Kodama T, et al. **Brain Res** 50:135-46, 14 Feb 73
An abnormality of adrenaline, phentolamine stimulated lipolysis in adipose tissue from obese, maturity-onset diabetics. Atkinson JN, et al.
Diabetologia 8:371-6, Dec 72
Surface changes in transformed cells detected by lectins. Burger MM.
Fed Proc 32:91-101, Jan 73 (69 ref.)
On the development of amino acid transport systems. Christensen HN. **Fed Proc** 32:19-28, Jan 73 (47 ref.)
Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells. Szego CM.
Gynecol Invest 3:63-95, 1972
Cyclic AMP-induced inhibition of IgE-mediated hypersensitivity in human skin. Yamamoto S, et al.
Immunology 24:77-83, Jan 73
Requirement of adenosine-3',5'-cyclic monophosphate for L-arabinose isomerase synthesis in Escherichia coli. Nakazawa T, et al. **J Bacteriol** 113:1412-8, Mar 73
Metabolism of adenosine 3',5'-cyclic monophosphate and induction of fruiting bodies in Coprinus macrorhizus. Uno I, et al.
J Bacteriol 113:1249-55, Mar 73
Fatty acid inhibition of sulfation factor-stimulated 35 SO 4 incorporation into embryonic chicken cartilage. Deicher HK, et al. **J Biol Chem** 248:1901-5, 25 Mar 73
Cyclic adenosine 3',5'-monophosphate-dependent protein kinase of human erythrocyte membranes. Rubin CS, et al. **J Biol Chem** 247:6135-9, 10 Oct 72
Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. II. The role of phosphodiesterase activity in the regulation of levels of cyclic adenosine 3',5'-monophosphate. Schultz J, et al. **J Biol Chem** 248:853-9, 10 Feb 73
Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. 3. Formation, degradation, and reformation of cyclic adenosine 3',5'-monophosphate during sequential stimulations by biogenic amines and adenosine. Schultz J, et al.
J Biol Chem 248:860-6, 10 Feb 73
Cytochalasin B: effect on hormone-mediated responses in cultured cells. Butcher FR, et al.
J Cell Biol 56:857-61, Mar 73
Effect of adenosine 3'-5'-cyclic monophosphate on cell proliferation. Froehlich JE, et al.
J Cell Biol 55:19-31, Oct 72
Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. **J Cell Physiol** 80:315-28, Dec 72
Effects of cholera enterotoxin on adenosine 3',5'-monophosphate and neutrophil function. Comparison with other compounds which stimulate leukocyte adenyl cyclase. Bourne HR, et al.
J Clin Invest 52:698-708, Mar 73
Effects of cholera toxin on in vitro models of immediate and delayed hypersensitivity. Further evidence for the role of cyclic adenosine 3',5'-monophosphate. Lichtenstein LM, et al. **J Clin Invest** 52:691-7, Mar 73
Accumulation of adenosine 3',5'-monophosphate in brain slices: interaction of local anaesthetics and depolarizing agents. Shimizu H, et al.
J Neurochem 20:91-5, Jan 73
Activation of the pathway from locus coeruleus to rat cerebellar Purkinje neurons: pharmacological evidence of noradrenergic central inhibition. Hoffer BJ, et al. **J Pharmacol Exp Ther** 184:553-69, Mar 73
Membrane depolarization, cyclic AMP and glycerol release by brown fat in vitro. Matthews EK, et al.
J Physiol (Lond) 227:17P-18P, Dec 72
Prostaglandins and reproduction. Kirton KT, et al.
J Reprod Med 9:266-70, Dec 72 (30 ref.)
Effect of cholecystokinin on the level of cyclic AMP and on mechanical activity in the isolated sphincter of Oddi. Andersson KE, et al.
Life Sci [I] 11:723-32, 1 Aug 72
Effects of angiotensin II on cyclic 3'5'AMP in rat uterus. D'Auriac GA, et al.
Life Sci [I] 11:631-41, 1 Jul 72
Failure of -adrenergic blocking agents to alter estrogenic induction of uterine enzymes. Singhal RL, et al. **Life Sci [I]** 11:255-61, 1 Mar 72
Control of renin secretion. **Med J Aust** 2:1396, 16 Dec 72
Induction of cytolysis of cultured lymphoma cells by adenosine 3':5'-cyclic monophosphate and the isolation of resistant variants. Daniel V, et al.
Proc Natl Acad Sci USA 70:76-9, Jan 73
In vitro repression of the transcription of gal operon by purified gal repressor. Nakanishi S, et al.
Proc Natl Acad Sci USA 70:334-8, Feb 73
Phosphorylation of ribosomal proteins by substrate-specific protein kinases from rabbit reticulocytes. Traugh JA, et al.
Proc Natl Acad Sci USA 70:373-6, Feb 73
Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus. Dousa TP, et al.
Proc Soc Exp Biol Med 142:720-2, Feb 73
Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

Cyclic adenosine monophosphate and hypertension in rats. Amer MS. **Science** 179:807-9, 23 Feb 73

Adenosine 3',5'-monophosphate in pancreatic islets: glucose-induced insulin release. Charles MA, et al. **Science** 179:569-71, 9 Feb 73

Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs. Guidotti A, et al. **Science** 179:902-4, 2 Mar 73

Cylic AMP. A mediator of hormone response and its clinical application. Murad F.
Va Med Mon 99:1197-201, Nov 72

[Study of pinocytosis and hydrolysis of thyroglobulin by the normal and pathological thyroid cell] De Visscher M, et al.
Bull Acad R Med Belg 12:263-88, 1972 (Eng. Abstr.) (Fre)

[Influence of certain cyclic AMP metabolic effectors on the action of acetaldehyde, ethanol and acetate on lipolysis in vitro] Giudicelli Y, et al.
C R Acad Sci [D] (Paris) 274:3626-9, 26 Jun 72 (Fre)

[Confirmation of the presence of cyclic AMP in lettuce seeds, var. reine de mai] Pradet A, et al.
C R Acad Sci [D] (Paris) 275:1987-8, 30 Oct 72 (Fre)

[Properties of the cyclic AMP binding protein of the bovine adrenal cortex] Satre M, et al.
C R Acad Sci [D] (Paris) 275:125-8, 3 Jul 72 (Fre)

[Degranulation of rat mast cells by phytohemagglutinin] Renoux M, et al.
C R Soc Biol (Paris) 166:819-23, 1972 (Fre)

[Inhibition of uterine contraction. Several aspects and relationships with cyclic AMP] De la Fuente P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:497-507, Sep 72 (Eng. Abstr.) (Fre)

[Messenger role of 3'5' adenosine monophosphoric acid (cyclic AMP) in the action of somatotropic hormone on the uptake of 14C glucose by the diaphragm of hypophysectomized rats] Buneaux JJ, et al.
J Physiol (Paris) 65:Suppl:206A-207, Oct 72 (Fre)

[Experimental asthma in guinea pigs and autonomic mediators] Douglas JS, et al.
J Physiol (Paris) 65:Suppl:227A-228, Oct 72 (Fre)

[Influence of the phorbol ester TPA on the beta adrenergic activation of epidermal adenylcyclase and the cAMP level in the mouse epidermis] Grimm W, et al.
Hoppe Seylers Z Physiol Chem 353:1519, Oct 72 (Ger)

[Diabetes mellitus and coffee] Hasibeck M, et al.
Z Ernaehrungswiss [Suppl] 14:Suppl 14:27-35, 1972 (Eng. Abstr.) (Ger)

[Effect of theophylline on the gastric secretion stimulated by gastrin] Bittner RR, et al.
Z Gastroenterol 10:461-6, Oct 72 (Eng. Abstr.) (Ger)

[Thrombopenic syndromes and platelet disorders in childhood. Conclusions] Feriazzo A.
Minerva Pediatr 24:1431-3, 15 Sep 72 (Ita)

[Pseudohypoparathyroidism] Usa T.
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)

[Platelet aggregation and cyclic AMP] Ukita M.
Jap J Clin Pathol 20:805-9, Nov 72 (7 ref.) (Jap)

PHARMACODYNAMICS

Disturbance of blood glucose regulation in pertussis sensitized rats. Muszbek L, et al.
Acta Allergol (Kbh) 27:257-63, Sep 72

Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metabolism in the immature rat ovary. Hamberger L, et al.
Acta Endocrinol (Kbh) 72:425-37, Mar 73

Theophylline inhibits the transcription of the lac operon in Escherichia coli. Schlammadinger J, et al.
Acta Microbiol Acad Sci Hung 19:43-50, 1972

Role of cyclic AMP and Ca ++ in mechanical and metabolic events in isometrically contracting vascular smooth muscle. Andersson R.
Acta Physiol Scand 87:84-95, Jan 73

Calcium-membrane interactions in the myocardium: effects of ouabain, epinephrine and 3',5'-cyclic adenosine monophosphate. Katz AM, et al.
Am J Cardiol 31:193-201, Feb 73 (60 ref.)

Intracellular Ci concentrations and influxes across the brush border of rabbit ileum. Frizzell RA, et al.
Am J Physiol 224:328-37, Feb 73

Ouabain-sensitive component of brown fat thermogenesis. Horwitz BA.
Am J Physiol 224:352-5, Feb 73

Modification of platelet function. Mustard JF, et al.
Ann NY Acad Sci 201:343-59, 27 Oct 72

Cyclic 3',5'-adenosine monophosphate in human blood platelets. IV. Regulatory role of cyclic amp in platelet function. Salzman EW, et al.
Ann NY Acad Sci 201:61-71, 27 Oct 72

ACTH stimulation of purine nucleotide biosynthesis in the adrenal cortex. ACTH stimulation of purine biosynthesis. McKerns KW, et al.
Arch Biochem Biophys 154:341-7, Jan 73

Studies of cytochrome P-450 in testis microsomes. Menard RH, et al.
Arch Biochem Biophys 154:8-18, Jan 73

The effect of dibutyryl adenosine 3':5'-cyclic monophosphate on the synthesis of glycolipids by normal and transformed Nil cells. Sakiyama H, et al.
Arch Biochem Biophys 154:407-14, Jan 73

Some regulatory properties of glycogen phosphorylase from Streptococcus salivarius. Spearman TN, et al.
Arch Biochem Biophys 154:306-13, Jan 73

Adenylate cyclase from guinea pig lung: further characterization and inhibitory effects of substrate analogs and cyclic nucleotides. Weinryb I, et al.
Arch Biochem Biophys 154:240-9, Jan 73

Effect of caffeine and theophylline on Mg ++ -dependent ATPase. Mirčevová L, et al.
Arch Int Physiol Biochim 80:815-8, Oct 72

Enzyme induction and repression in Arthrobacter crystallopoietes. Schechter SL, et al.
Arch Mikrobiol 85:280-93, 1972

The effect of inhibitors of RNA and protein synthesis on dibutyryl cyclic AMP mediated morphological transformations of Chinese hamster ovary cells in vitro. Patterson D, et al.
Biochem Biophys Res Commun 50:566-73, 23 Jan 73

Cyclic AMP-induced differentiated neuroblastoma cells: changes in total nucleic acid and protein contents. Prasad KN, et al.
Biochem Biophys Res Commun 50:973-7, 20 Feb 73

Hormone-treated CHO cells exit the cell cycle in the G2 phase. Remington JA, et al.
Biochem Biophys Res Commun 50:140-6, 4 Jan 73

Cyclic AMP and citric acid accumulation by Aspergillus niger. Wold WS, et al.
Biochem Biophys Res Commun 50:237-44, 23 Jan 73

Temporal aspects of glucose metabolism in the rat at birth. Snell K, et al. **Biochem J** 130:6P-7P, Nov 72

Effects of catecholamines and adenosine derivatives given into the brain of fowls. Marley E, et al.
Br J Pharmacol 46:619-36, Dec 72

Synthesis of cyclic AMP and phosphodiesterase in various species of cellular slime molds and its bearing on chemotaxis and differentiation. Bonner JT, et al.
Dev Biol 29:402-9, Dec 72

Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid stimulators. Melander A, et al.
Endocrinology 92:1269-73, Apr 73

The energy metabolism of human-blood polymorphonuclear cells. Action of various effectors, except hormones. Marchand JC, et al.
Eur J Biochem 31:483-95, 18 Dec 72

Influence of hormones, poly I:C, polyvinylpyrrolidon and -stimulators on in vitro infection with murine leukemia virus. Ebbesen P, et al.
Eur J Cancer 8:623-7, Dec 72

On the regulation of tyrosine transaminase, glutamatic dehydrogenase and aspartic transaminase in Tetrahymena. Porter P, et al.
Exp Cell Res 77:335-45, 15 Mar 73

Cleavage inhibition in marine eggs by puromycin and 6-dimethylaminopurine. Rebhun LI, et al.
Exp Cell Res 77:312-8, 15 Mar 73

Effect of dibutyryl cyclic AMP on the restoration of contact inhibition in tumor cells and its relationship to cell density and the cell cycle. Teel RW, et al.
Exp Cell Res 76:390-4, Feb 73

The relationship of the level of cyclic amp to differentiation in primary cultures of chick muscle cells. Zalin RJ. **Exp Cell Res** 78:152-8, 30 Mar 73

Effect of N 6 O 2 -dibutyryl cyclic 3',5'-adenosine monophosphate on the pinocytosis of brain capillaries of mice. Joó F. **Experientia** 28:1470-1, 15 Dec 72

Hyperpolarization by cyclic AMP (activation of diphosphoinositide kinase). Torda C.
Experientia 28:1438-9, 15 Dec 72

Effect of some adenosine 3',5'-monophosphate analogues on cell proliferation, tumor growth and macromolecular synthesis in various organs of the mouse. Chandra P, et al.
Hoppe Seylers Z Physiol Chem 353:1506-7, Oct 72

Cyclic AMP-induced inhibition of IgE-mediated hypersensitivity in human skin. Yamamoto S, et al.
Immunology 24:77-83, Jan 73

The effect of cyclic AMP on the production of single-strand breaks in DNA of x-irradiated E. coli B-r. Lehnert S. **Int J Radiat Biol 23:11-21, Jan 73**

The activation of chloride transport by epinephrine and Db cyclic-AMP in the cornea of the rabbit. Klyce SD, et al. **Invest Ophthalmol 12:127-39, Feb 73**

Role of adenosine 3',5'-cyclic monophosphate and its specific binding protein in the regulation of D-serine deaminase synthesis. McFall E. **J Bacteriol 113:781-5, Feb 73**

Requirement of adenosine-3',5'-cyclic monophosphate for L-arabinose isomerase synthesis in Escherichia coli. Nakazawa T, et al. **J Bacteriol 113:1412-8, Mar 73**

Light-stimulated phosphorylation of bovine visual pigments by adenosine triphosphate. Frank RN, et al. **J Biol Chem 248:596-609, 25 Jan 73**

Regulation of fatty acid synthesis in isolated hepatocytes prepared from the livers of neonatal chicks. Goodridge AG. **J Biol Chem 248:1924-31, 25 Mar 73**

Adenine nucleotide mediation of fructolysis and motility in bovine epididymal spermatozoa. Hoskins DD. **J Biol Chem 248:1135-40, 25 Feb 73**

Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. Kitabchi AE, et al. **J Biol Chem 248:835-40, 10 Feb 73**

Transport of succinate in Escherichia coli. I. Biochemical and genetic studies of transport in whole cells. Lo TC, et al. **J Biol Chem 247:6323-31, 10 Oct 72**

Phosphofructokinase activity in skeletal muscle extracts following administration of epinephrine. Mansour TE. **J Biol Chem 247:6059-66, 10 Oct 72**

A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments. Morris ML, et al. **J Biol Chem 248:1459-65, 25 Feb 73**

Erythrocyte protein phosphorylation. Roses AD, et al. **J Biol Chem 248:1408-11, 25 Feb 73**

Cyclic adenosine 3',5'-monophosphate-dependent protein kinase of human erythrocyte membranes. Rubin CS, et al. **J Biol Chem 247:6135-9, 10 Oct 72**

Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. II. The role of phosphodiesterase activity in the regulation of levels of cyclic adenosine 3',5'-monophosphate. Schultz J, et al. **J Biol Chem 248:853-9, 10 Feb 73**

Cyclic adenosine 3',5'-monophosphate-stimulated protein kinase and a substrate associated with cardiac sarcoplasmic reticulum. Wray HL, et al. **J Biol Chem 248:1496-8, 25 Feb 73**

Cytochalasin B: effect on hormone-mediated responses in cultured cells. Butcher FR, et al. **J Cell Biol 56:857-61, Mar 73**

Effect of adenosine 3'-5'-cyclic monophosphate on cell proliferation. Froehlich JE, et al. **J Cell Biol 55:19-31, Oct 72**

Adenosine 3',5'-cyclic monophosphate in Chlamydomonas reinhardtii. Influence on flagellar function and regeneration. Rubin RW, et al. **J Cell Biol 56:628-35, Mar 73**

Evidence for pleiotropic changes in lines of Chinese hamster ovary cells resistant to concanavalin A and phytohemagglutinin-P. Wright JA. **J Cell Biol 56:666-75, Mar 73**

Synthesis and secretion of growth hormone in the rat anterior pituitary. II. Properties of the isolated growth hormone storage granules. Howell SL, et al. **J Cell Sci 12:23-35, Jan 73**

The responses in culture of human tumour astrocytes and neuroblasts to N 6 , O 2' -dibutyryl adenosine 3',5'-monophosphoric acid. Macintyre EH, et al. **J Cell Sci 11:639-67, Nov 72**

Mechanism of the lower esophageal sphincter relaxation. Action of prostaglandin E 1 and theophylline. Goyal RK, et al. **J Clin Invest 52:337-41, Feb 73**

A chemostat study of the effect of fixed nitrogen sources on nitrogen fixation, membranes and free amino acids in Azotobacter chroococcum. Drozd JW, et al. **J Gen Microbiol 73:221-32, Nov 72**

Cyclic adenosine 3',5'-monophosphate-dependent protein kinase stimulation of calcium uptake by canine cardiac microsomes. Kirchberger MA, et al. **J Mol Cell Cardiol 4:673-80, Dec 72**

Activation of the pathway from locus coeruleus to rat cerebellar Purkinje neurons: pharmacological evidence of noradrenergic central inhibition. Hoffer BJ, et al. **J Pharmacol Exp Ther 184:553-69, Mar 73**

Effect of catecholamine analogs on control of actomyosin by native tropomyosin and calcium: the nature of the negative inotropic receptor. Honig CR, et al. **J Pharmacol Exp Ther 184:330-8, Feb 73**

Membrane depolarization, cyclic AMP and glycerol release by brown fat in vitro. Matthews EK, et al. **J Physiol (Lond) 227:17P-18P, Dec 72**

The effect of adenosine 3',5'-cyclic-monophosphoric acid on the 17beta-hydroxysteroid dehydrogenase of rat testis. Sulimovici S, et al. **J Steroid Biochem 3:781-90, Sep 72**

Effect of cholecystokinin on the level of cyclic AMP and on mechanical activity in the isolated sphincter of Oddi. Andersson KE, et al. **Life Sci [I] 11:723-32, 1 Aug 72**

Effects of parathion on lipolysis in isolated rat adipose tissue cells. Caley RM, et al. **Lipids 8:43-4, Jan 73**

Genetic obesity in rats. II. The effect of food restriction on the metabolism of adipose tissue. York DA, et al. **Metabolism 22:443-54, Mar 73**

Enzyme induction in human fetal liver. Kirby L, et al. **Pediatr Res 7:75-81, Feb 73**

Role of adenosine 3',5'-monophosphate (cyclic AMP) in actions of catecholamines. Rall TW. **Pharmacol Rev 24:399-409, Jun 72 (67 ref.)**

Induction of cytolysis of cultured lymphoma cells by adenosine 3':5'-cyclic monophosphate and the isolation of resistant variants. Daniel V, et al. **Proc Natl Acad Sci USA 70:76-9, Jan 73**

Adenosine 3':5'-cyclic monophosphate as a regulator of bacterial transformation. Wise EM Jr, et al. **Proc Natl Acad Sci USA 70:471-4, Feb 73**

Cyclic 3',5'-AMP phosphodiesterase activity during cyclic AMP-induced differentiation of neuroblastoma cells in culture. Prasad KN, et al. **Proc Soc Exp Biol Med 142:406-9, Feb 73**

Cholinergic mechanism--monoamines relation in certain brain structures. Izquierdo JA. **Prog Drug Res 16:334-63, 1972 (222 ref.)**

Adenosine 3',5'-monophosphate: electrophysiological evidence for a role in synaptic transmission. McAfee DA, et al. **Science 178:310-2, Oct 72**

The effect of dibutyryl cyclic AMP on transformation by oncogenic viruses. Smith BJ, et al. **Virology 51:230-2, Jan 73**

[Study of positive regulatory mechanisms at the transcriptional level] Gros F, et al. **Biochimie 54:551-8, 1972 (Fre)**

[Effect of cyclic AMP on spontaneous rosette forming cells] Bach MA, et al. **C R Acad Sci [D] (Paris) 275:2783-6, 6 Dec 72 (Fre)**

[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al. **C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)**

[Preliminary observations on the mechanism of action of somatostatin, a hypothalamic factor inhibiting the secretion of growth hormone] Vale W, et al. **C R Acad Sci [D] (Paris) 275:2913-6, 18 Dec 72 (Fre)**

[Messenger role of 3'5' adenosine monophosphoric acid (cyclic AMP) in the action of somatotropic hormone on the uptake of 14C glucose by the diaphragm of hypophysectomized rats] Buneaux JJ, et al. **J Physiol (Paris) 65:Suppl:206A-207, Oct 72 (Fre)**

[Significance of 3',5'-cyclic AMP in the gastric secretion of the rat] Domschke W, et al. **Hoppe Seylers Z Physiol Chem 353:1509, Oct 72 (Ger)**

[Lactate metabolism of isolated kidney tubules and interconversion of pyruvate dehydrogenase (PHD)] Guder W, et al. **Hoppe Seylers Z Physiol Chem 353:1520-1, Oct 72 (Ger)**

[Stimulation of gluconeogenesis from lactate in isolated perfused rat liver using N6,02'-dibutyryl-adenosine-3',5'-monophosphate] Müllhofer G, et al. **Hoppe Seylers Z Physiol Chem 353:1551-2, Oct 72 (Ger)**

[Cyclic AMP and hormone action] Shimomura R, et al. **Jap J Clin Pathol 20:771-9, Nov 72 (22 ref.) (Jap)**

[Platelet aggregation and cyclic AMP] Ukita M. **Jap J Clin Pathol 20:805-9, Nov 72 (7 ref.) (Jap)**

[Study of the effect of adenosine cyclic 3'-5'-monophosphate (3'-5'-AMPc) and cyclic 3'-5'-phosphodiesterase (3'-5'-FDEc) on the adipose tissue of normal, diabetic and obese patients] Yáñez Polo MA, et al. **Rev Clin Esp 127:765-70, 15 Nov 72 (Eng. Abstr.) (Spa)**

PHYSIOLOGY

The neurohumoral control of pancreatic exocrine

secretion. Brooks FP.
Am J Clin Nutr 26:291-310, Mar 73 (226 ref.)
Interrelationship of cyclic AMP, lipolysis, and respiration in brown fat cells. Fain JN, et al.
Am J Physiol 224:346-51, Feb 73
Impression-expression reactions in cellular pathology. Finckh ES.
Aust J Exp Biol Med Sci 50:259-66, Jun 72 (35 ref.)
The role of cyclic AMP in the phosphorylation of proteins in human erythrocyte membranes. Rubin CS, et al.
Biochem Biophys Res Commun 50:421-9, 23 Jan 73
The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)
Effects of cholera toxin on in vitro models of immediate and delayed hypersensitivity. Further evidence for the role of cyclic adenosine 3',5'-monophosphate. Lichtenstein LM, et al. J Clin Invest 52:691-7, Mar 73
Bone as a target organ: toward a better definition of osteoporosis. Bartter FC.
Perspect Biol Med 16:215-31, Winter 73
Role of adenosine 3',5'-monophosphate (cyclic AMP) in actions of catecholamines. Rall TW.
Pharmacol Rev 24:399-409, Jun 72 (67 ref.)
Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972
Cholera: new aids in treatment and prevention. Adams MM. Science 179:552-5, 9 Feb 73 (5 ref.)
Adenosine 3',5'-monophosphate in pancreatic islets: glucose-induced insulin release. Charles MA, et al.
Science 179:569-71, 9 Feb 73
Adenosine 3',5'-monophosphate: electrophysiological evidence for a role in synaptic transmission. McAfee DA, et al. Science 178:310-2, Oct 72
Enzymatic interconversion of active and inactive forms of enzymes. Segal HL.
Science 180:25-32, 6 Apr 73 (119 ref.)
[From antigen-antibody combination to the effector cell reaction. Transmission of information] Renoux M, et al. Nouv Presse Med 2:281-2, 3 Feb 73 (Fre)
[Protein kinase in the nervous system] Maeno H.
J Jap Biochem Soc 45:1-18, Jan 73 (145 ref.) (Jap)
[Lipid metabolism and cyclic AMP] Fujii S, et al.
Jap J Clin Pathol 20:798-804, Nov 72 (20 ref.) (Jap)
[Kidney and cyclic AMP] Osawa M, et al.
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)
[Cyclic AMP of the brain] Shimizu H.
Jap J Clin Pathol 20:780-7, Nov 72 (87 ref.) (Jap)
[Cyclic AMP and hormone action] Shimomura R, et al.
Jap J Clin Pathol 20:771-9, Nov 72 (22 ref.) (Jap)
[Platelet aggregation and cyclic AMP] Ukita M.
Jap J Clin Pathol 20:805-9, Nov 72 (7 ref.) (Jap)
[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

SECRETION

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

THERAPEUTIC USE

Effect of some adenosine 3',5'-monophosphate analogues on cell proliferation, tumor growth and macromolecular synthesis in various organs of the mouse. Chandra P, et al.
Hoppe Seylers Z Physiol Chem 353:1506-7, Oct 72

URINE

The effect of electro-convulsive therapy on the urinary excretion of adenosine 3':5'-cyclic monophosphate. Hamadah K, et al. Biochem J 130:15P, Nov 72
Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. Clin Chem 19:312-4, Mar 73
Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism. Birkenhäger JC, et al.
Eur J Clin Invest 3:27-34, Jan 73
Pseudohypohyper what? Becker KL.
Postgrad Med 53:198-9, Feb 73
Cyclic AMP. A mediator of hormone response and its clinical application. Murad F.
Va Med Mon 99:1197-201, Nov 72
[Kidney and cyclic AMP] Osawa M, et al.
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

Purification and properties of a cyclic nucleotide phosphodiesterase from bovine heart. Goren EN, et al.
Arch Biochem Biophys 153:384-97, Nov 72
Characterization of two forms of beef heart cyclic nucleotide phosphodiesterase. Hrapchak RJ, et al.
Biochemistry 11:4458-65, 21 Nov 72
Purification and properties of rat liver nuclear protein kinases. Desjardins PR, et al.
Can J Biochem 50:1249-59, Dec 72
Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. Clin Chem 19:312-4, Mar 73
Properties of adenosine 3',5'-monophosphate-dependent protein kinases isolated from bovine epididymal spermatozoa. Garbers DL, et al. J Biol Chem 248:875-9, 10 Feb 73
Separate phosphodiesterases for the hydrolysis of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in rat liver. Russell TR, et al. J Biol Chem 248:1334-40, 25 Feb 73

ANALYSIS

Influence of acetylcholine on contractile force and cyclic nucleotide levels in the isolated perfused rat heart. George WJ, et al.
J Pharmacol Exp Ther 184:228-35, Jan 73

ISOLATION & PURIFICATION

Thin-layer chromatography of cyclic 3',5'-guanosine monophosphate on tetraborate-impregnated silica gel layers. Hynie S. J Chromatogr 76:270-1, 7 Feb 73

METABOLISM

Effect of renal alpha-adrenergic stimulation on proximal tubular sodium reabsorption. Gill JR Jr, et al. Am J Physiol 223:1201-5, Nov 72

PHARMACODYNAMICS

Adenylate cyclase from guinea pig lung: further characterization and inhibitory effects of substrate analogs and cyclic nucleotides. Weinryb I, et al.
Arch Biochem Biophys 154:240-9, Jan 73
Cyclic AMP and citric acid accumulation by Aspergillus niger. Wold WS, et al.
Biochem Biophys Res Commun 50:237-44, 23 Jan 73
Cyclic adenosine 3',5'-monophosphate-stimulated protein kinase and a substrate associated with cardiac sarcoplasmic reticulum. Wray HL, et al.
J Biol Chem 248:1496-8, 25 Feb 73
Adenosine 3',5'-monophosphate: electrophysiological evidence for a role in synaptic transmission. McAfee DA, et al. Science 178:310-2, Oct 72
[Effect of cyclic GMP and cyclic AMP on mouse thyroid function in vivo] Cehovic G, et al.
C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 (Fre)

PHYSIOLOGY

[Cyclic AMP of the brain] Shimizu H.
Jap J Clin Pathol 20:780-7, Nov 72 (87 ref.) (Jap)

APPENDIX

ADENYL CYCLASE

Studies on the mechanism of the antilipolytic effect of Paraoxon. Dinnendahl V, et al.
Arch Toxikol 30:175-82, 1973

Modification of hamster sperm adenyl cyclase by capacitation in vitro. Morton B, et al.
Biochem Biophys Res Commun 50:697-703, 5 Feb 73

Activation and phosphorylation of the subunits of phosphorylase kinase. Cohen P.
Biochem J 130:5P-6P, Nov 72

Gonadotrophin binding sites of the rat testis. Catt KJ, et al. Biochim Biophys Acta 279:194-201, 18 Aug 72

Carboxyl group modification in glucagon. Epand RM, et al. Biochim Biophys Acta 285:176-80, 28 Nov 72

The activation and inhibition of adenyl cyclase from the brain of the Madagascar cockroach (Gromphadorhina portentosa). Rojakovick AS, et al.
Comp Biochem Physiol [B] 43:209-15, 15 Sep 72

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

ANALYSIS

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T.
Am J Obstet Gynecol 115:606-14, 1 Mar 73

The essential role of the imidazole group of glucagon in its biological function. Epand RM, et al.
Arch Biochem Biophys 154:132-6, Jan 73

Adenylate cyclase from guinea pig lung: further characterization and inhibitory effects of substrate analogs and cyclic nucleotides. Weinryb I, et al.
Arch Biochem Biophys 154:240-9, Jan 73

Modification of hamster sperm adenyl cyclase by capacitation in vitro. Morton B, et al.
Biochem Biophys Res Commun 50:697-703, 5 Feb 73

Cycl AMP in Gl-arrested BHK21 cells infected with adenovirus type 12. Raska K Jr.
Biochem Biophys Res Commun 50:35-41, 4 Jan 73

Studies on implanted islets of Langerhans: normalization of blood glucose concentration, blood insulin concentration and weight gain in New Zealand obese mice. Gates RJ, et al.
Biochem J 130:26P-27P, Nov 72

Age-dependent changes in the adenylate cyclase and phosphodiesterase activity of rat erythrocytes. Shappard H, et al.
Biochem Pharmacol 22:427-9, 1 Feb 73

Effects of insulin on the lipolytic system of rat fat cells. Schönhöfer PS, et al. Horm Metab Res 4:447-54, Nov 72

ANTAGONISTS & INHIBITORS

Adenylate cyclase from guinea pig lung: further characterization and inhibitory effects of substrate analogs and cyclic nucleotides. Weinryb I, et al.
Arch Biochem Biophys 154:240-9, Jan 73

-Methylene-adenosine-5'-triphosphate--effects of a competitive inhibitor of adenylate cyclase on cyclic AMP accumulation and lipolysis in isolated fat cells. Krug F, et al.
Biochem Biophys Res Commun 50:985-91, 20 Feb 73

Age-dependent changes in the adenylate cyclase and phosphodiesterase activity of rat erythrocytes. Shappard H, et al.
Biochem Pharmacol 22:427-9, 1 Feb 73

The activation and inhibition of adenyl cyclase from the brain of the Madagascar cockroach (Gromphadorhina portentosa). Rojakovick AS, et al.
Comp Biochem Physiol [B] 43:209-15, 15 Sep 72

Adenylate cyclase and insulin action. Effect of insulin, nonsuppressible insulin-like material, and diabetes on adenylate-cyclase activity in mouse liver. Hepp KD.
Eur J Biochem 31:266-76, 4 Dec 72

Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. J Biol Chem 247:6167-75, 10 Oct 72

-methylene-adenosine 5'-triphosphate. A competitive inhibitor of adenylate cyclase in fat and liver cell membranes. Krug F, et al.
J Biol Chem 248:1203-6, 25 Feb 73

Effects of parathion on lipolysis in isolated rat adipose tissue cells. Caley RM, et al. Lipids 8:43-4, Jan 73

[Influence of certain cyclic AMP metabolic effectors on the action of acetaldehyde, ethanol and acetate on lipolysis in vitro] Giudicelli Y, et al.
C R Acad Sci [D] (Paris) 274:3626-9, 26 Jun 72 (Fre)

BIOSYNTHESIS

Activation of renal cortical adenylate cyclase by circulating immunoreactive parathyroid hormone fragments. Canterbury JM, et al.
J Clin Invest 52:524-7, Feb 73

[Effect of cyclic AMP on spontaneous rosette forming cells] Bach MA, et al.
C R Acad Sci [D] (Paris) 275:2783-6, 6 Dec 72 (Fre)

[Influence of the phorbol ester TPA on the beta adrenergic activation of epidermal adenylcyclase and the cAMP level in the mouse epidermis] Grimm W, et al.
Hoppe Seylers Z Physiol Chem 353:1519, Oct 72 (Ger)

METABOLISM

A manganese-dependent adenyl cyclase in baker's yeast, Saccharomyces cerevisiae. Londesborough JC, et al. Acta Chem Scand 26:3396-8, 1972

On the action of tolbutamide in normal man. 3. Interaction of tolbutamide with glucagon, aminophylline and arginine in stimulating insulin response. Widström A, et al.
Acta Endocrinol (Kbh) 72:532-44, Mar 73

Cellular response to drugs affecting aqueous dynamics. Richardson KT.
Arch Ophthalmol 89:65-84, Jan 73 (115 ref.)

Adenylate cyclase activity in lubrol-treated membranes from Neurospora crassa. Flawiã MM, et al.
Biochim Biophys Acta 289:428-32, 7 Dec 72

The cyclic AMP system of human brain. Kodama T, et al. Brain Res 50:135-46, 14 Feb 73

The activation and inhibition of adenyl cyclase from the brain of the Madagascar cockroach (Gromphadorhina portentosa). Rojakovick AS, et al.
Comp Biochem Physiol [B] 43:209-15, 15 Sep 72

Adenylate cyclase and insulin action. Effect of insulin, nonsuppressible insulin-like material, and diabetes on adenylate-cyclase activity in mouse liver. Hepp KD.
Eur J Biochem 31:266-76, 4 Dec 72

Metabolism of adenosine 3',5'-cyclic monophosphate and induction of fruiting bodies in Coprinus macrorhizus. Uno I, et al.
J Bacteriol 113:1249-55, Mar 73

Relation of glucagon-specific binding sites to glucagon-dependent stimulation of adenylyl cyclase activity in plasma membranes of rat liver. Birnbaumer L, et al. J Biol Chem 248:2056-61, 25 Mar 73

Calcium-mediated interactions between the

antidiuretic hormone and renal plasma membranes. Campbell BJ, et al. **J Biol Chem** 247:6167-75, 10 Oct 72

-methylene-adenosine 5'-triphosphate. A competitive inhibitor of adenylate cyclase in fat and liver cell membranes. Krug F, et al. **J Biol Chem** 248:1203-6, 25 Feb 73

Biologically active (14 C) vasopressin. A new and simplified synthesis. Neer EJ. **J Biol Chem** 248:1897-900, 25 Mar 73

Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. **J Cell Physiol** 80:315-28, Dec 72

Biochemical characteristics of normal and virally transformed mouse cell lines. Yoshikawa-Fukada M, et al. **J Cell Physiol** 80:421-30, Dec 72

Effects of cholera enterotoxin on adenosine 3',5'-monophosphate and neutrophil function. Comparison with other compounds which stimulate leukocyte adenyl cyclase. Bourne HR, et al. **J Clin Invest** 52:698-708, Mar 73

Histamine effects on cardiac contractility, phosphorylase and adenyl cyclase. McNeill JH, et al. **J Mol Cell Cardiol** 4:611-24, Dec 72

Prostaglandins and reproduction. Kirton KT, et al. **J Reprod Med** 9:266-70, Dec 72 (30 ref.)

Effect of cholecystokinin on the level of cyclic AMP and on mechanical activity in the isolated sphincter of Oddi. Andersson KE, et al. **Life Sci [I]** 11:723-32, 1 Aug 72

Effects of angiotensin II on cyclic 3'5'AMP in rat uterus. D'Auriac GA, et al. **Life Sci [I]** 11:631-41, 1 Jul 72

Adenyl cyclase-phosphodiesterase system in arterial smooth muscle. Triner L, et al. **Life Sci [I]** 11:817-24, 1 Sep 72

Insulin-like activity of concanavalin A and wheat germ agglutinin--direct interactions with insulin receptors. Cuatrecasas P, et al. **Proc Natl Acad Sci USA** 70:485-9, Feb 73

Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus. Dousa TP, et al. **Proc Soc Exp Biol Med** 142:720-2, Feb 73

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al. **Recent Prog Horm Res** 28:353-98, 1972

Cholera: new aids in treatment and prevention. Adams MM. **Science** 179:552-5, 9 Feb 73 (5 ref.)

Cyclic adenosine monophosphate and hypertension in rats. Amer MS. **Science** 179:807-9, 23 Feb 73

[Adenyl cyclase from renal medulla] Klenerová V, et al. **Sb Lek** 75:54-9, Feb 73 (Eng. Abstr.) **(Cze)**

[Study of pinocytosis and hydrolysis of thyroglobulin by the normal and pathological thyroid cell] De Visscher M, et al. **Bull Acad R Med Belg** 12:263-88, 1972 (Eng. Abstr.) **(Fre)**

[Messenger role of 3'5' adenosine monophosphoric acid (cyclic AMP) in the action of somatotropic hormone on the uptake of 14C glucose by the diaphragm of hypophysectomized rats] Buneaux JJ, et al. **J Physiol (Paris)** 65:Suppl:206A-207, Oct 72 **(Fre)**

[Epidermal enzymes. Special aspects] Rassner G. **Arch Dermatol Forsch** 244:48-52, 1972 **(Ger)**

[ACTH-induced structural change in the nucleoprotein complex of liver cell nuclei in young and old rats] Löhr J. **Gerontologia** 18:113-21, 1972 (Eng. Abstr.) **(Ger)**

[Effect of theophylline on the gastric secretion stimulated by gastrin] Bittner RR, et al. **Z Gastroenterol** 10:461-6, Oct 72 (Eng. Abstr.) **(Ger)**

[Experimental studies on the mechanism of human chorionic gonadotropin in the rabbit ovary] Kobayashi Y. **Folia Endocrinol Jap** 48:412-21, 20 Sep 72 (Eng. Abstr.) **(Jap)**

[Pseudohypoparathyroidism] Usa T. **Jap J Clin Med** 30:2312-6, Nov 72 (46 ref.) **(Jap)**

[Cyclic AMP of the brain] Shimizu H. **Jap J Clin Pathol** 20:780-7, Nov 72 (87 ref.) **(Jap)**

[Regulation of insulin secretion] Chyliński J, et al. **Pol Tyg Lek** 28:30-2, 1 Jan 73 (33 ref.) **(Pol)**

PHYSIOLOGY

Transport of succinate in Escherichia coli. I. Biochemical and genetic studies of transport in whole cells. Lo TC, et al. **J Biol Chem** 247:6323-31, 10 Oct 72

Role of adenosine 3',5'-monophosphate (cyclic AMP) in actions of catecholamines. Rall TW. **Pharmacol Rev** 24:399-409, Jun 72 (67 ref.)

SECRETION

The neurohumoral control of pancreatic exocrine secretion. Brooks FP. **Am J Clin Nutr** 26:291-310, Mar 73 (226 ref.)

GUANYL CYCLASE

ISOLATION & PURIFICATION

Thin-layer chromatography of cyclic 3',5'-guanosine monophosphate on tetraborate-impregnated silica gel layers. Hynie S. **J Chromatogr** 76:270-1, 7 Feb 73

METABOLISM

Effect of renal alpha-adrenergic stimulation on proximal tubular sodium reabsorption. Gill JR Jr, et al. **Am J Physiol** 223:1201-5, Nov 72

HORMONES, ECTOPIC

Tumor humours. **J Assoc Physicians India** 20:583-4, Aug 72

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM. **Mayo Clin Proc** 47:913-8, Dec 72 (31 ref.)

[Ectopic hormones--paraneoplastic syndromes] Braun P. **Orv Hetil** 114:670-1, 25 Mar 73 **(Hun)**

[Parkhon's syndrome (clinical picture and pathogenesis)] Egart FM, et al. **Probl Endokrinol (Mosk)** 18:53-5, Nov-Dec 72 **(Rus)**

BIOSYNTHESIS

Tumor humours. **J Assoc Physicians India** 20:583-4, Aug 72

Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis. Carey RM, et al. **J Clin Endocrinol Metab** 36:482-7, Mar 73

BLOOD

Tumor humours. **J Assoc Physicians India** 20:583-4, Aug 72

SECRETION

Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma. McArthur JW, et al. **Am J Med** 54:390-403, Mar 73

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

Endocrine problems in otolaryngology. Lucente FE. **Ann Otol Rhinol Laryngol** 82:131-7, Jan-Feb 73 (39 ref.)

Clinical course and complications in Hodgkin's disease. Ultmann JE, et al. **Arch Intern Med** 131:311-53, Mar 73 (341 ref.)

Ectopic hyperparathyroidism with renal calculi and subperiosteal bone resorption. Report of case. Scholz DA, et al. **Mayo Clin Proc** 48:124-6, Feb 73

[Neurogenic tumors and endocrine disorders] Boumghar M, et al. **Lyon Chir** 68:91-3, Mar-Apr 72 (Eng. Abstr.) **(Fre)**

[Functioning tumor of the ovary] Hosokawa T. **Clin Endocrinol (Tokyo)** 20:897-9, Oct 72 **(Jap)**

DIAGNOSIS

Tumor humours. **J Assoc Physicians India** 20:583-4, Aug 72

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K. **Jap J Clin Med** 30:2243-8, Nov 72 (13 ref.) **(Jap)**

METABOLISM

Tumor humours. **J Assoc Physicians India** 20:583-4, Aug 72

NERVE GROWTH FACTOR

A generalized homology correlation for various hormones and proteins. Weinstein B. **Experientia 28:1517-22, 15 Dec 72 (87 ref.)**

PHARMACODYNAMICS

[Effect of NGF (nerve growth factor) on a murine neuroblastoma] Hermetet JC, et al. **C R Soc Biol (Paris) 166:708-11, 1972 (Fre)**

PROSTAGLANDINS

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al. **Am J Obstet Gynecol 113:607-15, 1 Jul 72**

The current status of the use of prostaglandins in induced abortion. Cushner IM. **Am J Public Health 63:189-90, Mar 73**

Partial purification and properties of cat plasma prostaglandin A isomerase. Jones RL, et al. **Biochim Biophys Acta 280:588-601, 8 Dec 72**

Conformational and structural relationships among antipeptic ulcer compounds. Bustard TM, et al. **J Med Chem 15:1101-5, Nov 72**

Microbiological reduction and resolution of prostaglandins. Synthesis of natural PGF 2 and ent-PGF 2 metbyl esters. Schneider WP, et al. **J Org Chem 38:397-8, 26 Jan 73**

Induction of preterm labor with prostaglandin F 2 in patients witb premature rupture of membranes. Barden TP. **J Reprod Med 9:339-45, Dec 72**

Induction of labor witb prostaglandins: summary of present status. Beazley JM. **J Reprod Med 9:469-71, Dcc 72**

On tbe mecbanism of the abortifacient action of prostaglandin F 2 . Csapo AI. **J Reprod Med 9:400-12, Dec 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Csapo AI. **J Reprod Med 9:327-30, Dec 72**

Experience with prostaglandins E 2 and F 2 for induction of labor. Elias JA. **J Reprod Med 9:307-10, Dec 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Hendricks CH. **J Reprod Med 9:425-6, Dec 72**

The prostaglandins: biology and biochemistry. Hinman JW, et al. **J Reprod Med 9:262-5, Dec 72**

Prostaglandin developments in Uganda. Karim SM. **J Reprod Med 9:255-7, Dec 72**

Termination of pregnancy with 15 methyl analogues of prostaglandins E 2 and F 2 . Karim SM, et al. **J Reprod Med 9:383-91, Dec 72**

Induction of labor witb prostaglandin F2 and oxytocin: a matched study. Moghissi KS, et al. **J Reprod Med 9:304-6, Dec 72**

Prostaglandin chemistry. Pike JE. **J Reprod Med 9:258-61, Dec 72**

Clinical experience witb prostaglandin F 2 for induction of labor. Ring A. **J Reprod Med 9:311-3, Dec 72**

An evaluation of prostaglandin F 2 for the induction of labor at term. Sherman AI, et al. **J Reprod Med 9:292-9, Dec 72**

Prostaglandins and their clinical applications in human reproduction. Southern EM, et al. **J Reprod Med 9:472-7, Dec 72**

Prostaglandin F 2 and oxytocin for term labor induction. Spellacy WN, et al. **J Reprod Med 9:300-3, Dec 72**

Comparison of prostaglandin F 2 and pitocin in the induction of labor in bigb risk pregnant women. Tchilinguirian NG. **J Reprod Med 9:331-8, Dec 72**

Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. **Prostaglandins 2:93-101, Aug 72**

Preparation of specific antiserum to prostaglandin A. Stylos WA, et al. **Prostaglandins 2:103-13, Aug 72**

[Lipids during pregnancy and delivery] Jaisle F. **Fortschr Geburtshilfe Gynaekol 48:1-184, 1972 (726 ref.) (Ger)**

ADMINISTRATION & DOSAGE

Intrauterine extra-amniotic administration of prostaglandin F 2 for therapeutic abortion. Early myometrial effects. Braaksma JT, et al. **Am J Obstet Gynecol 114:511-5, 15 Oct 72**

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al. **Am J Obstet Gynecol 113:607-15, 1 Jul 72**

The current status of the use of prostaglandins in induced abortion. Cushner IM. **Am J Public Health 63:189-90, Mar 73**

Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Labhsetwar AP. **Biol Reprod 8:103-11, Feb 73**

Bronchial hyperreactivity to prostaglandin F 2 and histamine in patients with asthma. Mathé AA, et al. **Br Med J 1:193-6, 27 Jan 73**

Induction of labour by simultaneous intravenous administration of prostaglandin E 2 and oxytocin. Naismith WC, et al. **Br Med J 4:461-2, 25 Nov 72**

The effects of intravenous infusion of graded doses of prostaglandins F 2 and E 2 on lung resistance in patients undergoing termination of pregnancy. Smith AP. **Clin Sci 44:17-25, Jan 73**

The induction of therapeutic abortion using intravenous prostaglandin F 2 alpha. Anderson GG, et al. **Contraception 5:303-11, Apr 72**

Induction of abortion by extra-amniotic administration of prostaglandin F2alpha; a preliminary report. Hingorani V, et al. **Contraception 6:353-9, Nov 72**

Studies on semen from rabbits injected with H 3 -thymidine and treated with prostaglandins E 2 and F 2 . Hunt WL, et al. **Fertil Steril 23:763-8, Oct 72**

Prostaglandin E2 and tbe luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al. **J Clin Endocrinol Metab 36:784-7, Apr 73**

Mechanism of effect of prostaglandin E 1 on renal water excretion. Beri T, et al. **J Clin Invest 52:463-71, Feb 73**

Initiation of parturition in the rabbit by intra-aortic infusion of prostaglandin F 2 . Nathanielsz PW, et al. **J Endocrinol 55:617-8, Dec 72**

Continuous intrauterine infusion of prostaglandin E 2 for termination of pregnancy. Midwinter A, et al. **J Obstet Gynaecol Br Commonw 79:807-9, Sep 72**

The thermoregulatory effects of prostaglandin E 1 when infused into a lateral cerebral ventricle of the Welsh Mountain sheep at different ambient temperatures. Bligh J, et al. **J Physiol (Lond) 229:30P-31P, Feb 73**

Intra-uterine administration of prostaglandin F 2 during the second trimester of pregnancy; clinical and hormonal results. Shearman R, et al. **J Reprod Fertil 32:321-2, Feb 73**

Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al. **J Reprod Med 9:287-91, Dec 72**

Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon. Anderson GG, et al. **J Reprod Med 9:434-6, Dec 72**

Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F 2 . Ballard CA, et al. **J Reprod Med 9:397-9, Dec 72**

Induction of labor with prostaglandins: summary of present status. Beazley JM. **J Reprod Med 9:469-71, Dec 72**

Intra-amniotic administration of prostaglandin F 2 for induction of therapeutic abortion. A comparison of four dosage schedules. Brenner WE, et al. **J Reprod Med 9:456-63, Dec 72**

Further experience with intrauterine prostaglandin administration. Bygdeman M, et al. **J Reprod Med 9:392-6, Dec 72**

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI. **J Reprod Med 9:400-12, Dec 72**

Experience with prostaglandins E 2 and F 2 for induction of labor. Elias JA. **J Reprod Med 9:307-10, Dec 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Embrey MP. **J Reprod Med 9:464-5, Dec 72**

Therapeutic abortion by extra-amniotic administration of prostaglandins. Embrey MP, et al. **J Reprod Med 9:420-4, Dec 72**

Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F2 alpha . Gillett PG, et al. **J Reprod Med 9:416-9, Dec 72**

Induction of abortion by intravenous and intra-uterine administration of prostaglandin F 2 . Haspels AA, et al. **J Reprod Med 9:442-7, Dec 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Hendricks CH. **J Reprod Med 9:425-6, Dec 72**

Prostaglandins and therapeutic abortion: summary of

present status. Hendricks CH.
J Reprod Med 9:466-8, Dec 72
Prostaglandin developments in Uganda. Karim SM.
J Reprod Med 9:255-7, Dec 72
Oral administration of prostaglandin E 2 for the induction and accleration of labor. Karim SM, et al.
J Reprod Med 9:346-52, Dec 72
Termination of pregnancy with 15 methyl analogues of prostaglandins E 2 and F 2 . Karim SM, et al.
J Reprod Med 9:383-91, Dec 72
Termination of second trimester pregnancy with intra-amniotic administration of prostaglandins E 2 and F 2 . Karim SM, et al. J Reprod Med 9:427-33, Dec 72
The evaluation of intra-amniotic prostaglandin F 2 in the management of early midtrimester pregnancy termination. Leslie DC, et al.
J Reprod Med 9:453-5, Dec 72
Induction of labor with prostaglandin F2 and oxytocin: a matched study. Moghissi KS, et al.
J Reprod Med 9:304-6, Dec 72
Therapeutic abortion utilizing local application of prostaglandin F2alpha . Naftolin F, et al.
J Reprod Med 9:437-41, Dec 72
Vaginal administration of prostaglandins and early abortion. Pion RJ, et al. J Reprod Med 9:413-5, Dec 72
Clinical experience with prostaglandin F 2 for induction of labor. Ring A.
J Reprod Med 9:311-3, Dec 72
Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al.
J Reprod Med 9:448-52, Dec 72
Prostaglandins and their clinical applications in human reproduction. Southern EM, et al.
J Reprod Med 9:472-7, Dec 72
Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. Tchilinguirian NG. J Reprod Med 9:331-8, Dec 72
The fetal effect of prostaglandin F 2 applied in the elective induction of labor at term. Thiery M, et al.
J Reprod Med 9:314-26, Dec 72
Recent aspects on systemic administration of prostaglandin. Wiqvist N, et al.
J Reprod Med 9:378-82, Dec 72
Effect of prostaglandins E 1 and F 2 on heart rate by direct injection into the canine sinus node artery. Chiba S, et al. Jap J Pbarmacol 22:734-6, Oct 72
Delay of parturition in the rat by anti-inflammatory agents which inhibit the biosynthesis of prostaglandins. Chester R, et al.
Nature 240:37-8, 3 Nov 72
In vitro responses of the spermatozoa-cervical mucus system treated with prostaglandin (F 2a). Eskin BA, et al. Obstet Gynecol 41:436-9, Mar 73
Interaction of prostaglandin E 1 and angiotensin II on centrally mediated pressor activities in the cat. Gyang EA, et al. Proc Soc Exp Biol Med 142:532-7, Feb 73
Effects of prostaglandins E 1 and F 2 on the peripheral circulation in the cat. Koss MC, et al.
Proc Soc Exp Biol Med 142:383-6, Feb 73
Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP.
Prostaglandins 2:331-49, Nov 72
The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A.
Prostaglandins 2:417-25, Nov 72
Massive initial prostaglandin impact in postconceptional therapy. Csapo AI, et al.
Prostaglandins 2:125-34, Aug 72
The effect of prostaglandin F2 alpha in the closure of the ductus arteriosus. Elliott RB, et al.
Prostaglandins 2:399-403, Nov 72
The effect of prostaglandin E2 in inducing sedation in the rat. Gilmore DP, et al.
Prostaglandins 2:143-51, Aug 72
Studies on growth hormone secretion. IV. In vivo effects of prostaglandin E1. Hertelendy F, et al.
Prostaglandins 2:79-91, Aug 72
Antifertility properties of a new prostaglandin-ICI 74205. Lahhsetwar AP.
Prostaglandins 2:375-92, Nov 72
Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin. LeMaire WJ, et al. Prostaglandins 2:93-101, Aug 72
Induction of labour with prostaglandin F2alpha in missed abortion, fetus mortuus, and anencephalia. Pedersen PH, et al. Prostaglandins 2:135-41, Aug 72
Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikh AA. Prostaglandins 2:227-33, Sep 72
Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al.
Prostaglandins 2:199-205, Sep 72
A comparison of prostaglandin F2 alpha and oxytocin in the induction of labour. Scher J, et al.
S Afr Med J 46:2009-12, 23 Dec 72
[Delivery induced with prostaglandin F 2 in cases of fetal death] Lange AP, et al.
Ugeskr Laeger 135:358-60, 12 Feb 73 (Eng. Abstr.) (Dan)
[Prostaglandin F 2 as an oxytocic agent in the second and third trimesters] Larsen JF, et al.
Ugeskr Laeger 135:354-8, 12 Feb 73 (Eng. Abstr.) (Dan)

ADVERSE EFFECTS

Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 . Cantor B, et al.
Am J Obstet Gynecol 113:607-15, 1 Jul 72
The current status of the use of prostaglandins in induced abortion. Cushner IM.
Am J Public Health 63:189-90, Mar 73
Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Lahhsetwar AP. Biol Reprod 8:103-11, Feb 73
Coagulation changes during termination of pregnancy by prostaglandins and by vacuum aspiration. Badraoui MH, et al. Br Med J 1:19-21, 6 Jan 73
The effects of intravenous infusion of graded doses of prostaglandins F 2 and E 2 on lung resistance in patients undergoing termination of pregnancy. Smith AP. Clin Sci 44:17-25, Jan 73
The induction of therapeutic abortion using intravenous prostaglandin F 2 alpha. Anderson GG, et al. Contraception 5:303-11, Apr 72
Induction of abortion by extra-amniotic administration of prostaglandin F2alpha; a preliminary report. Hingorani V, et al. Contraception 6:353-9, Nov 72
Continuous intrauterine infusion of prostaglandin E 2 for termination of pregnancy. Midwinter A, et al.
J Obstet Gynaecol Br Commonw 79:807-9, Sep 72
Intra-uterine administration of prostaglandin F 2 during the second trimester of pregnancy; clinical and hormonal results. Shearman R, et al.
J Reprod Fertil 32:321-2, Feb 73
Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon. Anderson GG, et al. J Reprod Med 9:434-6, Dec 72
Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F 2 . Ballard CA, et al.
J Reprod Med 9:397-9, Dec 72
Intra-amniotic administration of prostaglandin F 2 for induction of therapeutic abortion. A comparison of four dosage schedules. Brenner WE, et al.
J Reprod Med 9:456-63, Dec 72
Further experience with intrauterine prostaglandin administration. Bygdeman M, et al.
J Reprod Med 9:392-6, Dec 72
Experience with prostaglandins E 2 and F 2 for induction of labor. Elias JA.
J Reprod Med 9:307-10, Dec 72
Brook Lodge symposium on prostaglandins. Moderator's summary. Embrey MP.
J Reprod Med 9:464-5, Dec 72
Therapeutic abortion by extra-amniotic administration of prostaglandins. Embrey MP, et al.
J Reprod Med 9:420-4, Dec 72
Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F2 alpha . Gillett PG, et al. J Reprod Med 9:416-9, Dec 72
Induction of abortion by intravenous and intra-uterine administration of prostaglandin F 2 . Haspels AA, et al.
J Reprod Med 9:442-7, Dec 72
Prostaglandins and therapeutic abortion: summary of present status. Hendricks CH.
J Reprod Med 9:466-8, Dec 72
Oral administration of prostaglandin E 2 for the induction and accleration of labor. Karim SM, et al.
J Reprod Med 9:346-52, Dec 72
Termination of pregnancy with 15 methyl analogues of prostaglandins E 2 and F 2 . Karim SM, et al.
J Reprod Med 9:383-91, Dec 72
Termination of second trimester pregnancy with

intra-amniotic administration of prostaglandins E 2 and F 2. Karim SM, et al. J Reprod Med 9:427-33, Dec 72

The evaluation of intra-amniotic prostaglandin F 2 in the management of early midtrimester pregnancy termination. Leslie DC, et al.
J Reprod Med 9:453-5, Dec 72

Induction of labor with prostaglandin F2 and oxytocin: a matched study. Moghissi KS, et al.
J Reprod Med 9:304-6, Dec 72

Therapeutic abortion utilizing local application of prostaglandin F2alpha . Naftolin F, et al.
J Reprod Med 9:437-41, Dec 72

Vaginal administration of prostaglandins and early abortion. Pion RJ, et al. J Reprod Med 9:413-5, Dec 72

Clinical experience with prostaglandin F 2 for induction of labor. Ring A.
J Reprod Med 9:311-3, Dec 72

Second trimester termination by intra-uterine prostaglandin F 2. Clinical and hormonal results with observations on induced lactation and chronoperiodicity. Shearman R, et al.
J Reprod Med 9:448-52, Dec 72

Prostaglandins and their clinical applications in human reproduction. Southern EM, et al.
J Reprod Med 9:472-7, Dec 72

Prostaglandin F 2 and oxytocin for term labor induction. Speliacy WN, et al.
J Reprod Med 9:300-3, Dec 72

Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. Tchilinguirian NG. J Reprod Med 9:331-8, Dec 72

The fetal effect of prostaglandin F 2 applied in the elective induction of labor at term. Thiery M, et al.
J Reprod Med 9:314-26, Dec 72

Recent aspects on systemic administration of prostaglandin. Wiqvist N, et al.
J Reprod Med 9:378-82, Dec 72

Induction of labour with prostaglandin F2alpha in missed abortion, fetus mortuus, and anencephalia. Pedersen PH, et al. Prostaglandins 2:135-41, Aug 72

[Pharmacological and biological approach to migraines] Lerehouliet J, et al.
Rev Prat 22:1901-6, 21 Apr 72 (Fre)

ANALYSIS

Stability of prostaglandins. Roseman TJ, et al.
Am J Hosp Pharm 30:236-9, Mar 73

Identification and analysis of arachidonic acid in Plexaura homomalla, var. R and var. S. Light RJ.
Biochim Biophys Acta 296:461-6, 8 Mar 73

Interaction of prostaglandins with blood plasma proteins. I. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo. Raz A.
Biochim Biophys Acta 280:602-13, 8 Dec 72

Vasectomy and seminal prostaglandins. Brummer HC.
Fertil Steril 24:131-3, Feb 73

Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma. Jaffe BM, et al.
J Clin Invest 52:398-405, Feb 73

Prostaglandin research: international co-operation between industry and university. Bergström S.
J Reprod Med 9:250-1, Dec 72

The prostaglandins: biology and biochemistry. Hinman JW, et al. J Reprod Med 9:262-5, Dec 72

Extraction of prostaglandin-like activity from whole human blood. Greaves MW, et al.
Life Sci [I] 11:73-81, 15 Jan 72

Aspirin and indomethacin prolong parturition in rats: evidence that prostaglandins contribute to expulsion of fetus. Aiken JW. Nature 240:21-5, 3 Nov 72

Gas chromatography of prostaglandin heptafluorobutyrate methyl esters. Middleditch BS, et al. Prostaglandins 2:195-8, Sep 72

Gas-liquid chromotography of trimethylsilyl and alkyl oxime-trimethylsilyl derivatives of some prostaglandins. Middleditch BS, et al.
Prostaglandins 2:115-21, Aug 72

Cellular localiation of prostaglandin A2 in the rat kidney. Perez G, et al. Prostaglandins 2:393-8, Nov 72

Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone. Saksena SK, et al.
Prostaglandins 2:405-11, Nov 72

Quantitative determination of 15-epi-PGF2 alpha in PGF2 alpha. Weinshenker NM, et al.
Prostaglandins 2:207-11, Sep 72

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972

[Prostaglandins] Almăşan E, et al.
Med Interna (Bucur) 24:1183-92, Oct 72 (Eng. Abstr.) (Rum)

ANTAGONISTS & INHIBITORS

Aspirin potentiates the hydrosmotic effect of antidiuretic hormone in toad urinary bladder. Parisi M, et al. Biochim Biophys Acta 279:209-12, 18 Aug 72

Blockade by polyphloretin phosphate of the prostaglandin E 1 -induced human cutaneous reaction. Sondergaard J, et al. Br J Dermatol 88:51-4, Jan 73

Anticholinergic blocking of prostaglandin-induced bronchoconstriction. Alanko K, et al.
Br Med J 1:294, 3 Feb 73

A simple in vitro method of characterizing narcotic antagonists. Rüegg M, et al.
Experientia 28:1525-6, 15 Dec 72

Mechanism of the lower esophageal sphincter relaxation. Action of prostaglandin E 1 and theophylline. Goyal RK, et al.
J Clin Invest 52:337-41, Feb 73

Protective effect of polyphloretin phosphate in anaphylaxis in the guinea pig. Strandberg K, et al.
Life Sci [I] 11:701-12, 1 Aug 72

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. Prostaglandins 2:351-67, Nov 72

The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A.
Prostaglandins 2:417-25, Nov 72

The effect of prostaglandin F2 alpha in the closure of the ductus arteriosus. Elliott RB, et al.
Prostaglandins 2:399-403, Nov 72

BIOSYNTHESIS

Interaction of prostaglandins with blood plasma proteins. I. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo. Raz A.
Biochim Biophys Acta 280:602-13, 8 Dec 72

Studies on the synthesis of prostaglandins in the vesicular glands of essential fatty acid-deficient and hypophysectomized rats. Tan WC, et al.
Biochim Biophys Acta 296:586-92, 8 Mar 73

Acetylenic inhibitors of sheep vesicular gland oxygenase. Vanderhoek JY, et al.
Biochim Biophys Acta 296:374-81, 14 Feb 73

Effect of non-steroid anti-inflammatory drugs on prostaglandin biosynthesis by skin. Greaves MW, et al.
Br J Dermatol 88:47-50, Jan 73

Studies on the prostaglandin A 2 synthetase complex from Plexaura homomalla. Corey EJ, et al.
J Am Chem Soc 95:2054-5, 21 Mar 73

The prostaglandins: biology and biochemistry. Hinman JW, et al. J Reprod Med 9:262-5, Dec 72

Prostaglandin chemistry. Pike JE.
J Reprod Med 9:258-61, Dec 72

Synthesis of prostaglandin F 2 by the ovary and uterus. Wilks JW, et al. J Reprod Med 9:271-6, Dec 72

Synthesis of prostaglandins (PGE, PGF, PGA and PGB) in human platelets. Srivastava KC, et al.
Lipids 7:762-5, Dec 72

Delay of parturition in the rat by anti-inflammatory agents which inhibit the biosynthesis of prostaglandins. Chester R, et al.
Nature 240:37-8, 3 Nov 72

Aspirin and indomethacin abolish thyrotropin-induced increase in thyroid cell prostaglandins. Burke G.
Prostaglandins 2:413-5, Nov 72

Inhibition of prostaglandin E2 biosynthesis by delta 1-tetrahydrocannabinol. Burstein S, et al.
Prostaglandins 2:369-74, Nov 72

Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone. Saksena SK, et al.
Prostaglandins 2:405-11, Nov 72

Letters to the editor: prostaglandins in blood. Silver MJ, et al. Prostaglandins 2:75-7, Aug 72

A rapid spectrophotometric assay for prostaglandin synthetase: application to the study of non-steroidal antiinflammatory agents. Takeguchi C, et al.
Prostaglandins 2:169-84, Sep 72

[Effect of indomethacin, inhibitor of prostaglandin biosynthesis, on plasmatic lipids in rats] Deby C, et al. **C R Soc Biol (Paris) 166:750-3, 1972 (Fre)**

BLOOD

An isotope derivative method for the analysis of prostaglandins E 1 and E 2 in serum using 2-amino-(35 S)thiazole as the reagent. Bojesen E, et al. **Biochim Biophys Acta 280:614-25, 8 Dec 72**

Interaction of prostaglandins with blood plasma proteins. I. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo. Raz A. **Biochim Biophys Acta 280:602-13, 8 Dec 72**

Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Labhsetwar AP. **Biol Reprod 8:103-11, Feb 73**

Output of prostaglandins from the rabbit kidney, its increase on renal nerve stimulation and its inhibition by indomethacin. Davis HA, et al. **Br J Pharmacol 46:658-75, Dec 72**

Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey. Auletta FJ, et al. **Contraception 6:411-21, Nov 72**

Regulation of aldosterone production during pregnancy in the rat. Schneider G, et al. **Endocrinology 92:1208-15, Apr 73**

Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma. Jaffe BM, et al. **J Clin Invest 52:398-405, Feb 73**

Luteolysis in the ewe: a study using a radioimmunoassay for prostaglandin F. Cerini JC, et al. **J Reprod Fertil 32:326-7, Feb 73**

Hormonal changes in ewes and their fetuses at parturition. Currie WB, et al. **J Reprod Fertil 32:333-4, Feb 73**

Plasma progesterone and prostaglandin F concentrations in the cyclic sow. Gleeson AR, et al. **J Reprod Fertil 32:343-4, Feb 73**

Hormonal changes around oestrus in the cow. Nancarrow CD, et al. **J Reprod Fertil 32:320-1, Feb 73**

Intravenous prostaglandins E 2 and F 2 and syntocinon for the induction of term labor. Anderson GG, et al. **J Reprod Med 9:287-91, Dec 72**

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al. **J Reprod Med 9:372-5, Dec 72**

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. **J Reprod Med 9:361-71, Dec 72**

Radioimmunoassay of prostaglandins. Cornette JC, et al. **J Reprod Med 9:355-60, Dec 72**

Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F2 alpha . Gillett PG, et al. **J Reprod Med 9:416-9, Dec 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Samuelsson B. **J Reprod Med 9:376-7, Dec 72**

Extraction of prostaglandin-like activity from whole human blood. Greaves MW, et al. **Life Sci [I] 11:73-81, 15 Jan 72**

Synthesis of prostaglandins (PGE, PGF, PGA and PGB) in human platelets. Srivastava KC, et al. **Lipids 7:762-5, Dec 72**

Serum PGF2 alpha levels during late pregnancy, labour and the puerperium. Brummer HC. **Prostaglandins 2:185-94, Sep 72**

Letters to the editor: prostaglandins in blood. Silver MJ, et al. **Prostaglandins 2:75-7, Aug 72**

Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al. **Prostaglandins 2:159-68, Sep 72**

CEREBROSPINAL FLUID

Pyrogen fever and prostaglandin-like activity in cerebrospinal fluid. Feldberg W, et al. **J Physiol (Lond) 228:41-53, Jan 73**

CHEMICAL SYNTHESIS

Total synthesis of prostaglandins. IV. A completely stereospecific syntbesis of prostaglandin E. Sih CN, et al. **J Am Chem Soc 95:1676-7, 7 Mar 73**

Improved synthetic routes to prostaglandins utilizing sulfide-mediated oxidation of primary and secondary alcohols. Corey EJ, et al. **J Org Chem 38:1233-4, 23 Mar 73**

The synthesis of 16(R)- or 16(S) -methylprostaglandins. Hayashi M, et al. **J Org Chem 38:1250-1, 23 Mar 73**

Prostanoic acid chemistry. II. Hydrogenation studies and preparation of 11-deoxyprostaglandins. Lincoln FH, et al. **J Org Chem 38:951-6, 9 Mar 73**

Prostaglandin developments in Uganda. Karim SM. **J Reprod Med 9:255-7, Dec 72**

Prostaglandin chemistry. Pike JE. **J Reprod Med 9:258-61, Dec 72**

Upjohn involvment with the prostaglandins: a brief history. Weisblat DI. **J Reprod Med 9:252-4, Dec 72**

DIAGNOSTIC USE

The effect of prostaglandin E 2 on bile flow and the biliary excretion of iopanoic acid. Sokoloff J, et al. **Invest Radiol 8:9-12, Jan-Feb 73**

HISTORY

Prostaglandin research: international co-operation between industry and university. Bergström S. **J Reprod Med 9:250-1, Dec 72**

Upjohn involvment with the prostaglandins: a brief history. Weisblat DI. **J Reprod Med 9:252-4, Dec 72**

ISOLATION & PURIFICATION

An isotope derivative method for the analysis of prostaglandins E 1 and E 2 in serum using 2-amino-(35 S)thiazole as the reagent. Bojesen E, et al. **Biochim Biophys Acta 280:614-25, 8 Dec 72**

Partial purification and properties of cat plasma prostaglandin A isomerase. Jones RL, et al. **Biochim Biophys Acta 280:588-601, 8 Dec 72**

Interaction of prostaglandins with blood plasma proteins. I. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo. Raz A. **Biochim Biophys Acta 280:602-13, 8 Dec 72**

Marine natural products other than pigments. Chang CW. **J Chem Educ 50:260-2, Apr 73**

Prostaglandin chemistry. Pike JE. **J Reprod Med 9:258-61, Dec 72**

METABOLISM

Cyclic 3',5'-adenosine monophosphate in human blood platelets. IV. Regulatory role of cyclic amp in platelet function. Salzman EW, et al. **Ann NY Acad Sci 201:61-71, 27 Oct 72**

Interactions between prostaglandin E 1 and calcium at the level of the mitochondrial membrane. Carafoli E, et al. **Arch Biochem Biophys 154:40-6, Jan 73**

Studies on the synthesis of prostaglandins in the vesicular glands of essential fatty acid-deficient and hypophysectomized . rats. Tan WC, et al. **Biochim Biophys Acta 296:586-92, 8 Mar 73**

Bronchial hyperreactivity to prostaglandin F 2 and histamine in patients with asthma. Mathé AA, et al. **Br Med J 1:193-6, 27 Jan 73**

Distribution of 9-H 3 -prostaglandin F 2 in pregnant and non-pregnant subjects. Beazley JM, et al. **J Obstet Gynaecol Br Commonw 79:800-3, Sep 72**

Brook Lodge symposium on prostaglandins. Moderator's summary. Samuelsson B. **J Reprod Med 9:376-7, Dec 72**

Aspirin and indomethacin prolong parturition in rats: evidence that prostaglandins contribute to expulsion of fetus. Aiken JW. **Nature 240:21-5, 3 Nov 72**

Serum PGF2 alpha levels during late pregnancy, labour and the puerperium. Brummer HC. **Prostaglandins 2:185-94, Sep 72**

Prostaglandin mediated luteolytic effect of an intrauterine device in sheep. Spilman CH, et al. **Prostaglandins 2:159-68, Sep 72**

[Intestinal absorption of prostaglandin PGE 1 in dogs] Barac G, et al. **J Physiol (Paris) 65:Suppl:194A, Oct 72 (Fre)**

[Prostaglandins] Almăşan E, et al. **Med Interna (Bucur) 24:1183-92, Oct 72 (Eng. Abstr.) (Rum)**

PHARMACODYNAMICS

The effect of prostaglandin F2 and E1 on the electrical activity of the rabbit fallopian tube. Nakajima A, et al. **Acta Obstet Gynaecol Jap 19:40-6, Jan 72**

Intrauterine extra-amniotic administration of prostaglandin F 2 for therapeutic abortion. Early

myometrial effects. Braaksma JT, et al. **Am J Obstet Gynecol** 114:511-5, 15 Oct 72

Study on the intracellular mechanism of LH release in the anterior pituitary. Makino T. **Am J Obstet Gynecol** 115:606-14, 1 Mar 73

The control of platelet responsiveness by agents that influence cyclic AMP metabolism. Mills DC, et al. **Ann NY Acad Sci** 201:391-9, 27 Oct 72

Modification of platelet function. Mustard JF, et al. **Ann NY Acad Sci** 201:343-59, 27 Oct 72

Interactions between prostaglandin E 1 and calcium at the level of the mitochondrial membrane. Carafoli E, et al. **Arch Biochem Biophys** 154:40-6, Jan 73

Cyclic AMP-induced differentiated neuroblastoma cells: changes in total nucleic acid and protein contents. Prasad KN, et al. **Biochem Biophys Res Commun** 50:973-7, 20 Feb 73

Interaction of prostaglandins with blood plasma proteins. 1. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo. Raz A. **Biochim Biophys Acta** 280:602-13, 8 Dec 72

Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats. Labhsetwar AP. **Biol Reprod** 8:103-11, Feb 73

An experimental model for evaluating drug effects on the ureter. Struthers NW. **Br J Urol** 45:23-7, Feb 73

Bronchial hyperreactivity to prostaglandin F 2 and histamine in patients with asthma. Mathé AA, et al. **Br Med J** 1:193-6, 27 Jan 73

Prostaglandin E 1 as a regulator of lymphocyte function. Selective action on B lymphocytes and synergy with procarbazine in depression of immune responses. Quagliata F, et al. **Cell Immunol** 6:457-65, Mar 73

The effects of intravenous infusion of gra ed doses of prostaglandins F 2 and E 2 on lung resistance in patients undergoing termination of pregnancy. Smith AP. **Clin Sci** 44:17-25, Jan 73

Termination of pregnancy: current status and future directions. Johnson DS. **Contraception** 5:237-49, Mar 72

Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid stimulators. Melander A, et al. **Endocrinology** 92:1269-73, Apr 73

A simple in vitro method of characterizing narcotic antagonists. Rüegg M, et al. **Experientia** 28:1525-6, 15 Dec 72

Studies on semen from rabbits injected with H 3 -thymidine and treated with prostaglandins E 2 and F 2 . Hunt WL, et al. **Fertil Steril** 23:763-8, Oct 72

Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1 . Whitfield JF, et al. **J Cell Physiol** 80:315-28, Dec 72

Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. Henzl MR, et al. **J Clin Endocrinol Metab** 36:784-7, Apr 73

Mechanism of effect of prostaglandin E 1 on renal water excretion. Berl T, et al. **J Clin Invest** 52:463-71, Feb 73

Effects of cholera enterotoxin on adenosine 3',5'-monophosphate and neutrophil function. Comparison with other compounds which stimulate leukocyte adenyl cyclase. Bourne HR, et al. **J Clin Invest** 52:698-708, Mar 73

Mechanism of the lower esophageal sphincter relaxation. Action of prostaglandin E 1 and theophylline. Goyal RK, et al. **J Clin Invest** 52:337-41, Feb 73

Initiation of parturition in the rabbit by intra-aortic infusion of prostaglandin F 2 . Nathanielsz PW, et al. **J Endocrinol** 55:617-8, Dec 72

Studies on the mechanism of lymphocyte-mediated cytolysis. 1. The role of divalent cations in cytolysis by T lymphocytes. Henney CS, et al. **J Immunol** 110:63-72, Jan 73

Placental function in prostaglandin induced labour. Keller PJ, et al. **J Obstet Gynaecol Br Commonw** 79:804-6, Sep 72

Activation of the pathway from locus coeruleus to rat cerebellar Purkinje neurons: pharmacological evidence of noradrenergic central inhibition. Hoffer BJ, et al. **J Pharmacol Exp Ther** 184:553-69, Mar 73

Inhibition of post-ganglionic motor transmission in vas deferens by indirectly acting sympathomimetic drugs. Ambache N, et al. **J Physiol (Lond)** 227:433-56, Dec 72

The thermoregulatory effects of prostaglandin E 1 when infused into a lateral cerebral ventricle of the Welsh Mountain sheep at different ambient temperatures. Bligh J, et al. **J Physiol (Lond)** 229:30P-31P, Feb 73

Functional relationship of longitudinal and circular layers of the muscularis externa of the rabbit large intestine. McKirdy HC. **J Physiol (Lond)** 227:839-53, Dec 72

The release of luteinizing hormone by oestradiol-17 and a synthetic gonadotrophin-releasing factor in ewes affected with clover disease. Findlay JK, et al. **J Reprod Fertil** 32:341-2, Feb 73

Observatons on the luteolytic effects of prostaglandin F 2 during the oestrous cycle and early pregnancy in the ewe. Hearnshaw H, et al. **J Reprod Fertil** 32:322-3, Feb 73

The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe. Jonas HA, et al. **J Reprod Fertil** 32:341, Feb 73

Observations on the luteolytic action of prostaglandin F 2 in the ewe. Restall BJ, et al. **J Reprod Fertil** 32:325-6, Feb 73

On the mechanism of the abortifacient action of prostaglandin F 2 . Csapo AI. **J Reprod Med** 9:400-12, Dec 72

Prostaglandins and reproduction. Kirton KT, et al. **J Reprod Med** 9:266-70, Dec 72 (30 ref.)

Brook Lodge symposium on prostaglandins. Moderator's summary. Samuelsson B. **J Reprod Med** 9:376-7, Dec 72

Uterine activity response to constant infusion of prostaglandin F 2 in term human pregnancy. Witting WC, et al. **J Reprod Med** 9:283-6, Dec 72

Effect of prostaglandins E 1 and F 2 on heart rate by direct injection into the canine sinus node artery. Chiba S, et al. **Jap J Pharmacol** 22:734-6, Oct 72

Interplay of vasodilator and vasoconstrictor substances in the femoral arterial bed: identification of the angiotensin cofactor. Haas E, et al. **Lab Invest** 28:1-7, Jan 73

Extraction of prostaglandin-like activity from whole human blood. Greaves MW, et al. **Life Sci [1]** 11:73-81, 15 Jan 72

Delay of parturition in the rat by anti-inflammatory agents which inhibit the biosynthesis of prostaglandins. Chester R, et al. **Nature** 240:37-8, 3 Nov 72

In vitro responses of the spermatozoa-cervical mucus system treated with prostaglandin (F 2a). Eskin BA, et al. **Obstet Gynecol** 41:436-9, Mar 73

Interaction of prostaglandin E 1 and angiotensin II on centrally mediated pressor activities in the cat. Gyang EA et al. **Proc Soc Exp Biol Med** 142:532-7, Feb 73

Effects of prostaglandins E 1 and F 2 on the peripheral circulation in the cat. Koss MC, et al. **Proc Soc Exp Biol Med** 142:383-6, Feb 73

Cyclic 3',5'-AMP phosphodiesterase activity during cyclic AMP-induced differentiation of neuroblastoma cells in culture. Prasad KN, et al. **Proc Soc Exp Biol Med** 142:406-9, Feb 73

The pharmacology of platelet inhibition. Weiss HJ. **Prog Hemostasis Thromb** 1:199-231, 1972 (246 ref.)

Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Channing CP. **Prostaglandins** 2:331-49, Nov 72

Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Channing CP. **Prostaglandins** 2:351-67, Nov 72

The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone. Chatterjee A. **Prostaglandins** 2:417-25, Nov 72

The effect of prostaglandin F2 alpha in the closure of the ductus arteriosus. Elliott RB, et al. **Prostaglandins** 2:399-403, Nov 72

The effect of prostaglandin E2 in inducing sedation in the rat. Gilmore DP, et al. **Prostaglandins** 2:143-51, Aug 72

Studies on growth hormone secretion. IV. In vivo effects of prostaglandin E1. Herteiendy F, et al. **Prostaglandins** 2:79-91, Aug 72

Antifertility properties of a new prostaglandin-1C1 74205. Labhsetwar AP. **Prostaglandins** 2:375-92, Nov 72

Prostaglandin (PGA1), angiotensin and renal function. McClatchey WM, et al. **Prostaglandins** 2:213-7, Sep 72

Changes in human plasma catecholamines and dopamine-beta-hydroxylase produced by prostaglandin F2 alpha. Mueller RA, et al. **Prostaglandins 2:219-26, Sep 72**

Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikh AA. **Prostaglandins 2:227-33, Sep 72**

Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Varavudhi P, et al. **Prostaglandins 2:199-205, Sep 72**

Prostaglandins in luteal function. Pharriss BB, et al. **Recent Prog Horm Res 28:51-89, 1972**

Adenosine 3',5'-monophosphate: electrophysiological evidence for a role in synaptic transmission. McAfee DA, et al. **Science 178:310-2, Oct 72**

[Labor induction with prostaglandin E 1] Favier J, et al. **Ned Tijdschr Geneeskd 116:1964-5, 21 Oct 72 (Dut)**

[Effect of prostaglandin E 1 on transit time and net and unidirectional movements of water and electrolytes in the human jejunum] Matuchansky C, et al. **Biol Gastroenterol (Paris) 5:175-86, 1972 (Eng. Abstr.) (Fre)**

[Effect of prostaglandin F2a upon the corpus luteum of pregnant rats] Tuchmann-Duplessis H, et al. **C R Acad Sci [D] (Paris) 275:2033-5, 30 Oct 72 (Fre)**

[Renal vascular receptors of 4 prostaglandins in dogs] Barac G. **J Physiol (Paris) 65:Suppl:193A, Oct 72 (Fre)**

[Intestinal absorption of prostaglandin PGE 1 in dogs] Barac G, et al. **J Physiol (Paris) 65:Suppl:194A, Oct 72 (Fre)**

[Platelet aggregation and cyclic AMP] Ukita M. **Jap J Clin Pathol 20:805-9, Nov 72 (7 ref.) (Jap)**

[Prostaglandins] Almăşan E, et al. **Med Interna (Bucur) 24:1183-92, Oct 72 (Eng. Abstr.) (Rum)**

PHYSIOLOGY

Transport of spermatozoa in the female reproductive tract. Hafez ES. **Am J Obstet Gynecol 115:703-17, 1 Mar 73 (62 ref.)**

Advances in male reproductive physiology. Mann T. **Fertil Steril 23:699-707, Oct 72 (30 ref.)**

Intrarenal prostaglandin release attenuates the renal vasoconstrictor activity of angiotensin. Aiken JW, et al. **J Pharmacol Exp Ther 184:678-87, Mar 73**

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. **J Reprod Med 9:361-71, Dec 72**

Prostaglandin's part in regulating uterine contraction by transport of calcium. Carsten ME. **J Reprod Med 9:277-82, Dec 72**

Prostaglandin developments in Uganda. Karim SM. **J Reprod Med 9:255-7, Dec 72**

Prostaglandins and reproduction. Kirton KT, et al. **J Reprod Med 9:266-70, Dec 72 (30 ref.)**

Microvascular ultrastructure in thermal injury: a reconsideration of the role of mediators. Shea SM, et al. **Microvasc Res 5:87-96, Jan 73 (70 ref.)**

Aspirin and indomethacin prolong parturition in rats: evidence that prostaglandins contribute to expulsion of fetus. Aiken JW. **Nature 240:21-5, 3 Nov 72**

Prostaglandins in luteal function. Pharriss BB, et al. **Recent Prog Horm Res 28:51-89, 1972**

Cholera: new aids in treatment and prevention. Adams MM. **Science 179:552-5, 9 Feb 73 (5 ref.)**

[Endocrine regulation of labor in cattle, sheep and goats] Agthe O. **Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)**

SECRETION

Output of prostaglandins from the rabbit kidney, its increase on renal nerve stimulation and its inhibition by indomethacin. Davis HA, et al. **Br J Pharmacol 46:658-75, Dec 72**

Prostaglandin (PGA1), angiotensin and renal function. McClatchey WM, et al. **Prostaglandins 2:213-7, Sep 72**

THERAPEUTIC USE

Coagulation changes during termination of pregnancy by prostaglandins and by vacuum aspiration. Badraoui MH, et al. **Br Med J 1:19-21, 6 Jan 73**

The induction of therapeutic abortion using intravenous prostaglandin F 2 alpha. Anderson GG, et al. **Contraception 5:303-11, Apr 72**

Induction of abortion by extra-amniotic administration of prostaglandin F2alpha; a preliminary report. Hingorani V, et al. **Contraception 6:353-9, Nov 72**

Massive initial prostaglandin impact in postconceptional therapy. Csapo AI, et al. **Prostaglandins 2:125-34, Aug 72**

Induction of labour with prostaglandin F2alpha in missed abortion, fetus mortuus, and anencephalia. Pedersen PH, et al. **Prostaglandins 2:135-41, Aug 72**

Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Shaikh AA. **Prostaglandins 2:227-33, Sep 72**

[Delivery induced with prostaglandin F 2 in cases of fetal death] Lange AP, et al. **Ugeskr Laeger 135:358-60, 12 Feb 73 (Eng. Abstr.) (Dan)**

[Prostaglandin F 2 as an oxytocic agent in the second and third trimesters] Larsen JF, et al. **Ugeskr Laeger 135:354-8, 12 Feb 73 (Eng. Abstr.) (Dan)**

[Combination of prostaglandine F 2 and paracervical block in the missed abortion and intrauterine fetal death] Hickl EJ, et al. **Klin Wochenschr 51:140-1, 1 Feb 73 (Eng. Abstr.) (Ger)**

URINE

Distribution of 9-H 3 -prostaglandin F 2 in pregnant and non-pregnant subjects. Beazley JM, et al. **J Obstet Gynaecol Br Commonw 79:800-3, Sep 72**

RECEPTORS, HORMONE

Hexoestrol analogues as probes of oestrogen receptors. I. Importance of hydrogen-bonding groups for receptor binding. Terenius L. **Acta Pharmacol Toxicol (Kbh) 31:441-8, 1972**

The neurohumoral control of pancreatic exocrine secretion. Brooks FP. **Am J Clin Nutr 26:291-310, Mar 73 (226 ref.)**

Cellular response to drugs affecting aqueous dynamics. Richardson KT. **Arch Ophthalmol 89:65-84, Jan 73 (115 ref.)**

Antiestrogens: studies using an in vitro estrogen-responsive uterine system. Katzenellenbogen BS, et al. **Biochem Biophys Res Commun 50:1152-9, 20 Feb 73**

Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Wong MD, et al. **Biochem Biophys Res Commun 50:71-9, 4 Jan 73**

Temperature-dependent binding of estrogen receptor to chromatin. McGuire WL, et al. **Biochemistry 11:4562-5, 21 Nov 72**

Partial purification of cortisol-binding protein from rat liver cytosol and its role in transcription. Gopalakrishnan TV, et al. **Biochim Biophys Acta 287:164-86, 16 Nov 72**

Oestradiol "neo nuclear receptor" in the rat uterus: sedimentation constant and conditions of formation. Rochefort H, et al. **Biochimie 54:1303-17, 1972**

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO. **Biol Reprod 8:2-10, Feb 73 (53 ref.)**

Estimation of the association constant of the estrogen-receptor complex in human breast cancer. Hähnel R, et al. **Cancer Res 33:559-66, Mar 73**

Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction. Chauvet J, et al. **Experientia 28:1493-5, 15 Dec 72**

Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats. Braendle W, et al. **Fertil Steril 24:126-30, Feb 73**

Estrogens and antiestrogens. Geynet C, et al. **Gynecol Invest 3:2-29, 1972**

The use of estrogen antagonists in hormone receptor studies. Jensen EV, et al. **Gynecol Invest 3:108-23, 1972**

Effect of antiestrogens on uterine estradiol receptors. Rochefort H, et al. **Gynecol Invest 3:43-62, 1972**

Oestrogen uptake by the central nervous system. Rosner JM, et al. **Gynecol Invest 3:30-42, 1972**

A critique on the evaluation and mode of action of antiestrogens. Sankaran MS, et al. **Gynecol Invest 3:142-7, 1972**

Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells. Szego CM. **Gynecol Invest 3:63-95, 1972**

Aspects on the mode of action of antiestrogens and

antiprogestogens. Terenius L, et al.
Gynecol Invest 3:96-107, 1972
Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution. Wagner RK, et al. Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72
Relation of glucagon-specific binding sites to glucagon-dependent stimulation of adenylyl cyclase activity in plasma membranes of rat liver. Birnbaumer L, et al. J Biol Chem 248:2056-61, 25 Mar 73
Characteristics of the human lymphocyte insulin receptor. Gavin JR 3d, et al.
J Biol Chem 248:2202-7, 25 Mar 73
Binding of testosterone to uterine components of the immature rat. Giannopoulos G.
J Biol Chem 248:1004-10, 10 Feb 73
Similarity of the estrogen receptor in human and rat mammary carcinoma. McGuire WL, et al.
J Clin Endocrinol Metab 36:548-52, Mar 73
Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972
Estrogen action: an inroad to cell biology. Mueller GC, et al. Recent Prog Horm Res 28:1-49, 1972 (31 ref.)
Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972
[Medical applications and therapeutic prospects deduced from knowledge in molecular pathology] Royer P.
Biochimie 54:789-99, 1972 (Eng. Abstr.) (Fre)
[Chemical and physicochemical factors in the effect of steroids] Hüttenrauch R.
Pharmazie 28:84-102, Feb 73 (122 ref.) (Ger)
[Protein binding of ecdysone in the blowfly, Caliphora erythrocephala] Thamer G, et al.
Z Naturforsch [B] 27:1191-5, Oct 72 (Eng. Abstr.) (Ger)
[Metabolism of glucocorticoids--in relation to increased anti-inflammatory activity] Mishina Y.
Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 (Jap)
[HCG-receptor of the ovary] Mori H, et al.
Clin Endocrinol (Tokyo) 20:1081-4, Dec 72 (Jap)

DRUG EFFECTS

Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity. Terenius L.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972
Specificity of leucine stimulation of insulin release. Lernmark A. Hormones 3:14-21, 1972
Characteristics of the human lymphocyte insulin receptor. Gavin JR 3d, et al.
J Biol Chem 248:2202-7, 25 Mar 73
Potential antifertility agents. 2. Tetrazole derivatives of nonsteroidal estrogens. Crenshaw RR, et al.
J Med Chem 15:1179-80, Nov 72
[Metabolic effects of arginine derivatives. 3. Insulin-like activity of L-arginine-N,N-dialkylamides in vitro] Weitzel G, et al.
Hoppe Seylers Z Physiol Chem 353:1661-70, Nov 72 (Eng. Abstr.) (Ger)

REVIEW SECTION

ADRENAL CORTEX HORMONES

The effect of drugs on immunological renal disease. Clarkson AR, et al.
Prog Biochem Pharmacol 7:427-51, 1972 (104 ref.)
Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

ADVERSE EFFECTS

[Adverse effects of external corticosteroid therapy] Schöpf E. **Hautarzt 23:295-301, Jul 72 (77 ref.) (Ger)**
[Ulcerations due to steroid administration] Szalach E. **Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)**

PHARMACODYNAMICS

[Bilirubin metabolism and actions of steroid hormones] Okuda K.
Jap J Clin Med 30:1855-8, Sep 72 (28 ref.) (Jap)

PHYSIOLOGY

[Adrenocortical hormones and arteriosclerosis] Takeda R, et al.
Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) (Jap)

ADRENAL GLAND DISEASES

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE. **Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)**

ANDROGENS

ADVERSE EFFECTS

Prenatal androgenization of females. A review. Walker PA, et al. **Hormones 3:119-28, 1972 (20 ref.)**

PHARMACODYNAMICS

Neuroendocrine factors in the control of primate behavior. Michael RP, et al.
Recent Prog Horm Res 28:665-706, 1972

BONE AND BONES

INJURIES

[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. **Wiad Lek 26:431-4, 1 Mar 73 (Pol)**

CALCIUM

METABOLISM

Calcium-membrane interactions in the myocardium: effects of ouabain, epinephrine and 3',5'-cyclic adenosine monophosphate. Katz AM, et al.
Am J Cardiol 31:193-201, Feb 73 (60 ref.)
Calcium metabolism in pancreatic disease. D'Souza A, et al. **Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)**
Active transport of calcium ion in sarcoplasmic membranes. Inesi G.
Annu Rev Biophys Bioeng 1:191-210, 1972 (115 ref.)
[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al.
Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)

PHYSIOLOGY

The role of cyclic AMP and calcium in cell activation. Rasmussen H, et al.
CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)

CONTRACEPTIVES, ORAL

Steroid contraception and its effects on lactation are a public health dilemma. Pomerance J.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I. Bingel AS, et al. **J Pharm Sci 62:179-200, Feb 73 (162 ref.)**

ADVERSE EFFECTS

Thromboembolism and oral contraceptives. Hougie C.
Am Heart J 85:538-45, Apr 73 (35 ref.)
Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72

CORPUS LUTEUM

PHYSIOLOGY

Prostaglandins in luteal function. Pharriss BB, et al.
Recent Prog Horm Res 28:51-89, 1972

CORTICOTROPIN

[Secondary structure of ACTH] Bezdrobnyĭ IuV, et al.
Probl Endokrinol (Mosk) 18:106-10, Jul-Aug 72 (24 ref.) (Rus)

ADVERSE EFFECTS

[ACTH] Takebe K.
Clin Endocrinol (Tokyo) 20:783-6, Oct 72 (21 ref.) (Jap)

CRYPTORCHISM

SURGERY

Cryptorchidism reassessed. Is there an optimal time for surgical correction? Myers RP, et al.
Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)

DEHYDROEPIANDROSTERONE

[Possible interpretation of psoriasis as a dehydroepiandrosterone deficiency] Holzmann H, et al.
Actas Dermosifiliogr 63:1-16, Jan-Feb 73 (90 ref.) (Eng. Abstr.) (Spa)

DWARFISM

DIAGNOSIS

[Growth anomalies (including dwarfism)] Okada Y.
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)

ENDOCRINE DISEASES

COMPLICATIONS

Cardiomyopathy associated with endocrine disorders. DeGroot WJ. Cardiovasc Clin 4:305-31, 1972 (86 ref.)
[Diabetes associated with endocrine diseases] Shima K, et al. Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)
[Myopathy caused by endocrine diseases] Shishiba Y. Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) (Jap)

ESTRADIOL

PHARMACODYNAMICS

Neuroendocrine factors in the control of primate behavior. Michael RP, et al.
Recent Prog Horm Res 28:665-706, 1972

ESTROGENS

PHYSIOLOGY

Estrogen action: an inroad to cell biology. Mueller GC, et al. Recent Prog Horm Res 28:1-49, 1972 (31 ref.)

FERTILITY AGENTS

THERAPEUTIC USE

[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

GLUCOCORTICOIDS

ADVERSE EFFECTS

Toxic agents and cardiomyopathies. Morin Y, et al. Cardiovasc Clin 4:245-67, 1972 (71 ref.)
[Glucocorticoid] Miura K, et al.
Clin Endocrinol (Tokyo) 20:813-6, Oct 72 (11 ref.) (Jap)
[Pathologic changes in the cardiovascular system during treatment with glucocorticoid hormones] Moiseev VS.
Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)

THERAPEUTIC USE

Drugs and other agents in renal transplantation. Loughridge LW.
Prog Biochem Pharmacol 7:498-520, 1972 (55 ref.)

GONADOTROPINS

A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture. Greep RO.
Biol Reprod 8:2-10, Feb 73 (53 ref.)

ADVERSE EFFECTS

[Gonadotropins--their side effects] Tojo S, et al.
Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) (Jap)

HERMAPHRODITISM

Prenatal androgenization of females. A review. Walker PA, et al. Hormones 3:119-28, 1972 (20 ref.)

HORMONES

A generalized homology correlation for various hormones and proteins. Weinstein B.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)
[Endocrine control of pregnancy] Hayashi K, et al.
Clin Endocrinol (Tokyo) 20:693-700, Sep 72 (8 ref.) (Jap)
[Antigenicity of peptide hormones] Imura H.
Clin Endocrinol (Tokyo) 20:839-43, Oct 72 (18 ref.) (Jap)

METABOLISM

[Endocrine correlations during pregnancy (review of the literature)] Il'in IV, et al.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)

PHARMACODYNAMICS

Studies on the absorption of halogenated hydrocarbons and their excretion in breath using 38 Cl tracer techniques. Alleyne GA.
Prog Biochem Pharmacol 7:189-218, 1972 (157 ref.)

PHYSIOLOGY

Interrelationships of mammalian hormones and enzyme levels in vivo. Pitot HC, et al.
Physiol Rev 53:228-325, Jan 73 (932 ref.)
The thymus as an endocrine gland. Bach JF.
Rev Eur Etud Clin Biol 17:545-8, Jun-Jul 72 (18 ref.)
[Review of recent reports on the pathology of articular cartilage. 3. Repair. Influence of pressure. Role of hormones. Experimental study. Aging] Peyron JG.
Rev Rhum Mal Osteoartic 39:221-9, Mar 72 (Eng. Abstr.) (Fre)
[Endocrine regulation of labor in cattle, sheep and goats] Agthe O.
Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)
[Endocrinological environment at the time of implantation] Iizuka R, et al.
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) (Jap)
[Survival of fertilized ova and hormonal dynamics] Takagi S, et al.
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) (Jap)
[Cyclic AMP and hormone action] Shimomura R, et al.
Jap J Clin Pathol 20:771-9, Nov 72 (22 ref.) (Jap)

SECRETION

[The role of cyclic AMP in the secretion and mechanism of action of hormones] Genes SG.
Fiziol Zh 19:117-24, 1973 (110 ref.) (Ukr)

HORMONES, ECTOPIC

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

HYDROCORTISONE

ADVERSE EFFECTS

[Complications following administration of hydrocortisone in injuries of the locomotor system] Witwicki T, et al. Wiad Lek 26:431-4, 1 Mar 73 (Pol)

HYPERTHYROIDISM

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

ETIOLOGY

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

HYPOPARATHYROIDISM

ETIOLOGY

Joint and bone disorders and hypoparathyroidism in hemochromatosis. Sèze S de, et al.
Semin Arthritis Rheum 2:71-94, Summer 72 (80 ref.)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

DRUG EFFECTS

[Cyclofenil in gynecologic practice] Soutoul JH, et al.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) (Fre)

HYPOTHALAMUS

PHYSIOLOGY

The hypothalamus and reproduction. Schally AV, et al.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)
Hypothalamic feeding mechanisms and amphetamine anorexia. Cole SO.
Psychol Bull 79:13-20, Jan 73 (90 ref.)

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res 28:229-86, 1972**

LACTATION

Induction and suppression of lactation in animals. Cowie AT. **Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)**
Reflex pathways controlling lactation. Tindal JS. **Proc R Soc Med 65:1085-6, Dec 72 (11 ref.)**

LH

BLOOD

Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res 28:201-27, 1972**

SECRETION

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)

MSH

PHARMACODYNAMICS

The effect of melanocyte-stimulating hormone on coat color in the mouse. Geschwind II, et al.
Recent Prog Horm Res 28:91-130, 1972

SECRETION

[Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies] Abe K.
Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)

MYXEDEMA

COMPLICATIONS

Myxedema coma. Blum M.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)

OVARY

CYTOLOGY

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)

OXYTOCIN

Oxytocin analogs in the analysis of some phases of hormone action. Rudinger J, et al.
Recent Prog Horm Res 28:131-72, 1972

ADVERSE EFFECTS

[Oxytocin] Yamamoto K.
Clin Endocrinol (Tokyo) 20:801-4, Oct 72 (13 ref.) (Jap)

PARATHYROID GLANDS

PHYSIOPATHOLOGY

[Calcium and the parathyroid gland in hemodialysis] Nagata N, et al.
Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) (Jap)

PARATHYROID HORMONE

Structure, synthesis, and mechanism of action of parathyroid hormone. Aurbach GD, et al.
Recent Prog Horm Res 28:353-98, 1972

PHYSIOLOGY

[Parathyroid hormone and arteriosclerosis] Orishige H, et al.
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)

PINEAL BODY

PHYSIOLOGY

[The pineal photoreception] Morita Y.
J Physiol Soc Jap 34:663-78, Oct 72 (133 ref.) (Jap)

PITUITARY DISEASES

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)

PITUITARY GLAND

PHYSIOLOGY

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res 28:229-86, 1972**

PITUITARY HORMONE RELEASING FACTORS

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)
[Hypothalamo-hypophysiotrapic hormones. 2] Arimura A, et al.
Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) (Jap)

PHARMACODYNAMICS

Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH). Arimura A, et al.
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)
Clinical experience with hypothalamic releasing hormones. 2. Luteinizing hormone-releasing hormone and other hypophysiotropic releasing hormones. Kastin AJ, et al. **Recent Prog Horm Res 28:201-27, 1972**

PITUITARY HORMONES

Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes. Lockett MF. **Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)**

PLACENTAL HORMONES

PHYSIOLOGY

[Introduction to the endocrinological background in the survival of the fertilized ova] Tojo S.
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) (Jap)

PREGNANES

SECRETION

18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension. Melby JC, et al. **Recent Prog Horm Res 28:287-351, 1972**

PROGESTERONE

PHARMACODYNAMICS

Neuroendocrine factors in the control of primate behavior. Michael RP, et al.
Recent Prog Horm Res 28:665-706, 1972

PROLACTIN

Studies on prolactin in man. Frantz AG, et al.
Recent Prog Horm Res 28:527-90, 1972

SECRETION

Recent studies on functions and control of prolactin secretion in rats. Meites J, et al.
Recent Prog Horm Res 28:471-526, 1972

PSEUDOHYPOPARATHYROIDISM

[Pseudohypoparathyroidism] Usa T.
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)

RENIN

BLOOD

Radioimmunoassay of angiotensin and determination of renin activity. Page LB.
Prog Nucl Med 2:85-106, 1972 (60 ref.)

SEX HORMONES

Gonadal hormones and behavior of normal and pseudohermaphroditic nonhuman female primates. Goy RW, et al. **Recent Prog Horm Res 28:707-33, 1972**
Gender dimorphic behavior and fetal sex hormones. Money J, et al. **Recent Prog Horm Res 28:735-63, 1972**

BIOSYNTHESIS

Interstitial gland tissue of mammalian ovary. Guraya SS.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)

PHYSIOLOGY

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. **Recent Prog Horm Res 28:627-63, 1972**
[Relationship between sex hormones, atherosclerosis and Takayasu's disease (arteriosclerocirrhosis, Nasu): sex hormones and arteriosclerosis] Shimamoto M.
Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)

STEROIDS

PHARMACODYNAMICS

[Chemical and physicochemical factors in the effect of steroids] Hüttenrauch R.
Pharmazie 28:84-102, Feb 73 (122 ref.) (Ger)

THERAPEUTIC USE

[Steroids or cytostatics in the juvenile nephrotic syndrome] Brodehl J.
Klin Paediatr 184:241-9, Jul 72 (34 ref.) (Eng. Abstr.) (Ger)

TESTOSTERONE

PHYSIOLOGY

Recent studies on the mechanism of action of testosterone. Wilson JD.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)

THYROID ANTAGONISTS

ADVERSE EFFECTS

[Antithyroid drugs] Iino S.
Clin Endocrinol (Tokyo) 20:835-8, Oct 72 (9 ref.) (Jap)

THYROID DISEASES

COMPLICATIONS

Endocrine problems in otolaryngology. Lucente FE.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)

DIAGNOSIS

Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med 3:3-25, Jan 73 (114 ref.)**

VETERINARY

The thyroid gland--a review. Mason R, et al.
Aust Vet J 49:44-9, Jan 73 (52 ref.)

THYROID GLAND

PHYSIOLOGY

The hypothalamus in pituitary-thyroid regulation. Reichlin S, et al. **Recent Prog Horm Res 28:229-86, 1972**

THYROID GLAND FUNCTION TESTS

Advances in the laboratory diagnosis of thyroid disease. I. Fisher DA. **J Pediatr 82:1-9, Jan 73 (62 ref.)**
Radionuclide evaluation of thyroid disease in children. Greig WR. **Semin Nucl Med 3:3-25, Jan 73 (114 ref.)**

THYROID HORMONES

ADVERSE EFFECTS

[Thyroid hormones] Ono F.
Clin Endocrinol (Tokyo) 20:825-7, Oct 72 (21 ref.) (Jap)

PHYSIOLOGY

[Thyroid hormones and arteriosclerosis] Irie M, et al.
Clin Endocrinol (Tokyo) 20:621-3, Aug 72 (23 ref.) (Jap)

THYROID NEOPLASMS

FAMILIAL & GENETIC

Studies in familial (medullary) thyroid carcinoma. Melvin KE, et al.
Recent Prog Horm Res 28:399-470, 1972

THYROTROPIN

[Thyroid stimulating hormone (TSH)] Yamamoto T, et al.
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) (Jap)

BLOOD

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res 28:173-200, 1972**

SECRETION

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

THYROTROPIN RELEASING FACTOR

[TRH and LH-RH] Saito S, et al.
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)

PHARMACODYNAMICS

Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone. Gual C, et al. **Recent Prog Horm Res 28:173-200, 1972**

TRIIODOTHYRONINE

T3 hyperthyroidism. Wahner HW.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)

BLOOD

Triiodothyronine (T3) radioimmunoassay. A critical evaluation. Gharib H, et al.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)

TROPHOBLASTIC TUMOR

COMPLICATIONS

Hyperthyroidism induced by trophoblastic thyrotropin. Hershman JM.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)

VASOPRESSIN

[Vasopressin] Murase T, et al.
Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) (Jap)

VITAMIN D

Progress in endocrinology and metabolism. Vitamin D: current concepts. Avioli LV, et al.
Metabolism 22:507-31, Mar 73 (181 ref.)
Vitamin D metabolism. Recent advances. Stamp TC.
Arch Dis Child 48:2-7, Jan 73 (59 ref.)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the Subject Index or the Subject Section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation & pruification, and urine).

AUTOANALYSIS

Rapid analysis of pregnanediol in pregnancy urine. Cooper W, et al. J Clin Pathol 25:933-9, Nov 72
AUTOANALYSIS/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PREGNANEDIOL, urine

[Continuous flow system for the determination of urinary 17-hydroxycorticosteroids (Porter-Silber chromogens) by autoanalyzer] Endo J. Jap J Clin Pathol 20:461-8, Jul 72 (Jap)
*AUTOANALYSIS/ COLORIMETRY/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ METHODS

BIOLOGICAL ASSAY

Determination of plasma renin activity by radioimmunoassay of angiotensin I. Fukuchi S, et al. Clin Sci 44:43-54, Jan 73
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, blood/ BIOLOGICAL ASSAY/ CHRONIC DISEASE/ EDTA/ GLOMERULONEPHRITIS, enzymology/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERALDOSTERONISM, enzymology/ HYPERTENSION, enzymology/ HYPERTENSION, RENAL, enzymology/ IODINE ISOTOPES/ ISOFLUROPHATE/ METHODS/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN

An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. Bangham DR, et al. J Clin Endocrinol Metab 36:647-60, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *FSH, standards/ HUMAN/ IMMUNE SERUMS/ IMMUNOASSAY/ *LH, standards/ METHODS/ RADIOIMMUNOASSAY/ RATS

BODY WEIGHT

Plasma insulin in the foetal rat. Cohen NM, et al. Biol Neonate 21:107-11, 1972
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CESAREAN SECTION/ FEMALE/ FETUS, anatomy & histology/ *FETUS, metabolism/ GESTATIONAL AGE/ *INSULIN, blood/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS

Modeling blood glucose and insulin kinetics in normal, diabetic and obese subjects. Segre G, et al. Diabetes 22:94-103, Feb 73
ADOLESCENCE/ ADULT/ AGED/ *BLOOD SUGAR/ BODY WEIGHT/ CARBON ISOTOPES/ COMPUTERS, DIGITAL/ *DIABETES MELLITUS, blood/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE, pharmacodynamics/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ KINETICS/ MALE/ METHODS/ MIDDLE AGE/ *MODELS, BIOLOGICAL/ *OBESITY, blood/ TIME FACTORS

Changes in serum cortisol, glucose and free fatty acid levels during tolbutamide-induced hypoglycemia in obese women. Laurian L, et al. Isr J Med Sci 8:1817-22, Nov 72
ADOLESCENCE/ ADULT/ *BLOOD SUGAR, analysis/ BODY WEIGHT/ CLINICAL RESEARCH/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOGLYCEMIA, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ METHODS/ *OBESITY, blood/ SOMATOTROPIN, blood/ TIME FACTORS/ *TOLBUTAMIDE, diagnostic use

[Changes in the secretion level of thyroxine in male ducks subjected to variations in alimentation and surrounding temperature] Astier H, et al. C R Acad Sci [D] (Paris) 275:2531-4, 27 Nov 72 (Fre)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *DUCKS, physiology/ FASTING/ IODINE ISOTOPES/ KINETICS/ METHODS/ *TEMPERATURE/ *THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *THYROXINE, secretion

CENTRIFUGATION

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al. J Clin Endocrinol Metab 36:661-5, Apr 73
ACETONE/ ADULT/ CENTRIFUGATION/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FILTRATION/ *FSH, urine/ HUMAN/ KAOLIN/ *LH, urine/ MALE/ METHODS/ PUBERTY/ RADIOIMMUNOASSAY

CENTRIFUGATION, DENSITY GRADIENT

Insulin from individual isolated mouse islets of Langerhans. Beigelman PM, et al. Biochem Med 7:91-6, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CLOSTRIDIOPEPTIDASE A/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GLUCOSE, pharmacodynamics/ IMMUNOASSAY/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ METHODS/ MICE/ OXYGEN CONSUMPTION/ POLYSACCHARIDES, pharmacodynamics/ SPECIMEN HANDLING

CHEMISTRY

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. Steroids 20:651-67, Dec 72
ANIMAL EXPERIMENTS/ BENZENE/

CASTRATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ESTRADIOL/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRONE, chem synthesis/ FEMALE/ MALE/ METHODS/ NAD/ OVARY, physiology/ OXIDATION-REDUCTION/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SOLVENTS/ TESTIS, physiology/ TRITIUM

Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. **Steroids 20:789-812, Dec 72**
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

CHROMATOGRAPHY

A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Ahmed J.
Clin Chim Acta 43:371-8, 12 Feb 73
ADULT/ AMMONIUM SULFATE/ *BINDING, COMPETITIVE/ CHROMATOGRAPHY/ ENDOCRINE DISEASES, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ *PROTEIN BINDING/ SOLVENTS/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73
CHROMATOGRAPHY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDROLYSIS/ LH, blood/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ METHYLATION/ OXIDATION-REDUCTION/ SOLVENTS/ TRITIUM

Problems and artefacts in ACTH assay. Fehm HL, et al.
Horm Metab Res 4:477-81, Nov 72
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CATTLE/ CHROMATOGRAPHY/ FALSE POSITIVE REACTIONS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SWINE

High-pressure liquid chromatography of corticosteroids. Touchstone JC, et al.
J Chromatogr 76:244-7, 7 Feb 73
*ALDOSTERONE, isolation & purification/ *CHROMATOGRAPHY/ *CORTISONE, isolation & purification/ *HYDROCORTISONE, isolation & purification/ METHODS/ PRESSURE/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

A radioimmunoassay for plasma aldosterone without chromatography. Farmer RW, et al.
J Clin Endocrinol Metab 36:460-5, Mar 73
*ALDOSTERONE, blood/ CHROMATOGRAPHY/ CYCLOHEXANE/ IMMUNE SERUMS/ METHODS/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ *RADIOIMMUNOASSAY/ SODIUM HYDROXIDE/ TRITIUM/ WATER

Plasma catecholamines in hypothyroidism and hyperthyroidism. Stoffer SS, et al.
J Clin Endocrinol Metab 36:587-9, Mar 73
*CATECHOLAMINES, blood/ CHROMATOGRAPHY/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ METHODS/ PROSPECTIVE STUDIES/ THYROXINE, blood

Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma. Jaffe BM, et al.
J Clin Invest 52:398-405, Feb 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CARCINOID TUMOR, blood/ CHROMATOGRAPHY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDOMETHACIN, pharmacodynamics/ KIDNEY, analysis/ METHODS/ NEUROBLASTOMA, blood/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ *RADIOIMMUNOASSAY/ RATS/ THYROID NEOPLASMS, blood/ TRITIUM

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al.
J Reprod Med 9:361-71, Dec 72
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ CORPUS LUTEUM, physiology/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IMMUNE SERUMS/ INDOMETHACIN, pharmacodynamics/ MACACA/ METHODS/ MONKEYS/ OVARY, blood supply/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, physiology/ RABBITS/ *RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW/ SERUM ALBUMIN, BOVINE/ SHEEP

Laboratory and clinical observations with a two-column plasma catecholamine assay. Jiang NS, et al.
Mayo Clin Proc 48:47-9, Jan 73
ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, diagnosis/ *CATECHOLAMINES, blood/ CHROMATOGRAPHY/ EPINEPHRINE, blood/ HUMAN/ HYPERTENSION, diagnosis/ HYPERTENSION, urine/ METHODS/ NOREPINEPHRINE, blood/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, diagnosis

A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al.
Steroids 21:169-80, Feb 73
*ALDOSTERONE, blood/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTISONE, blood/ CROSS REACTIONS/ HYDROCORTISONE, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al.
Steroids 20:651-67, Dec 72
ANIMAL EXPERIMENTS/ BENZENE/ CASTRATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ESTRADIOL/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRONE, chem synthesis/ FEMALE/ MALE/ METHODS/ NAD/ OVARY, physiology/ OXIDATION-REDUCTION/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SOLVENTS/ TESTIS, physiology/ TRITIUM

A radioimmunoassay of androstenedione. Thorneycroft IH, et al. **Steroids 21:111-22, Jan 73**
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ADULT/ ANDROSTANES, analysis/ ANTIBODY SPECIFICITY/ CASTRATION/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MALE/ MENSTRUATION/ METHODS/ OVARY, physiology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/

SUCCINATES/ TESTOSTERONE, analysis/ TIME FACTORS/ TRITIUM

Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. Steroids 20:789-812, Dec 72
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

Radioimmunoassay of 17-hydroxyprogesterone. Youssefnejadian E, et al. Steroids 20:773-88, Dec 72
ADULT/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, chem synthesis/ MALE/ METHODS/ OXIMES, chem synthesis/ PROGESTERONE, isolation & purification/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES/ TIME FACTORS/ TRITIUM

[A new method of radioimmunoassay of plasma testosterone] Mahoudeau JA, et al.
Ann Biol Clin (Paris) 30:559-66, 1972 (Eng. Abstr.) (Fre)
ADULT/ ANDROGENS/ ANTIBODIES, isolation & purification/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

[Direct radioimmunochemical determination of plasmatic renin activity] Vincent M, et al.
C R Soc Biol (Paris) 166:643-8, 1972 (Fre)
ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY/ DIMERCAPROL, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

[The determination of iodic amino-acids in the plasma by gel chromatography] Gehring D, et al.
Radiobiol Radiother (Berl) 14:53-9, 1973 (Eng. Abstr.) (Ger)
*AMINO ACIDS, blood/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ GELS/ *IODINE, blood/ METHODS/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

INSTRUMENTATION

Steroid determination from complex mixtures by high pressure chromatographic techniques. Landgraf WC, et al. J Pharm Sci 62:278-81, Feb 73
*ADRENAL CORTEX HORMONES/ AMPLIFIERS/ *CHROMATOGRAPHY, instrumentation/ FLUOCINOLONE ACETONIDE, analysis/ METHODS/ OINTMENTS, analysis/ PLACEBOS/ PRESSURE/ SILICA/ SOLUBILITY/ TIME FACTORS/ ULTRAVIOLET RAYS

CHROMATOGRAPHY, DEAE-CELLULOSE

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72
*ADIPOSE TISSUE, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ GLYCERIN, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ *LIPIDS, metabolism/ METHODS/ *PITUITARY GLAND/ PITUITARY HORMONES, pharmacodynamics/ *THYROTROPIN, isolation & purification/ THYROTROPIN, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

CHROMATOGRAPHY, GAS

Evaluation of a simplified technic for the measurement of aldosterone in human urine. Bravo EL.
Am J Clin Pathol 59:22-30, Jan 73
*ALDOSTERONE, urine/ CARBON ISOTOPES/ *CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HUMAN/ HYDROLYSIS/ *HYPERALDOSTERONISM, urine/ *HYPERTENSION, urine/ INDICATORS AND REAGENTS/ MALE/ METHODS/ NATRIURESIS/ SOLVENTS

Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol. Kaplan HG, et al.
Am J Obstet Gynecol 115:803-10, 15 Mar 73
*CHROMATOGRAPHY, GAS/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, urine/ HYDROXYSTEROIDS, urine/ METHODS/ PREGNANCY/ *PREGNANEDIOL, urine/ TIME FACTORS

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73
AMMONIUM SULFATE/ ANDROSTENES, blood/ *BINDING, COMPETITIVE/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, isolation & purification/ DRUG STABILITY/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PRECIPITATION/ PREGNANCY/ *PROTEIN BINDING/ SOLVENTS/ *SULFATES, blood/ TRITIUM

Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al.
J Chromatogr Sci 11:76-82, Feb 73
ADRENAL CORTEX HORMONES, urine/ ADULT/ ANDROSTERONE, urine/ CAPILLARITY/ *CHROMATOGRAPHY, GAS/ CORTISONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HEAT/ HUMAN/ HYDROCORTISONE, urine/ INFANT/ INFANT, NEWBORN/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIMES/ PREGNANETRIOL, urine/ *STEROIDS, urine

Simultaneous determination of urinary androstanediol and testosterone as an evaluation of human androgenicity. Mauvais-Jarvis P, et al.
J Clin Endocrinol Metab 36:452-9, Mar 73
*ACNE, urine/ ADULT/ *ANDROSTANES, urine/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ FEMALE/ *HIRSUTISM, urine/ HUMAN/ HYDROLYSIS/ MALE/ METHODS/ *TESTICULAR FEMINIZATION, urine/ *TESTOSTERONE, urine/ TRITIUM

Rapid analysis of pregnanediol in pregnancy urine. Cooper W, et al. J Clin Pathol 25:933-9, Nov 72
AUTOANALYSIS/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PREGNANEDIOL, urine

Determination of liothyronine and thyroxine in dried thyroid by GLC. Bilous R, et al.
J Pharm Sci 62:274-7, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ HYDROLYSIS/ LIGHT/ MATHEMATICS/ METHODS/ SOLUTIONS/ SOLVENTS/ SWINE/ *THYROID

GLAND, analysis/ *THYROXINE, analysis/ THYROXINE, isolation & purification/ *TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, isolation & purification

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al.
J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

Identification of 5 alpha-androstane-3 beta-diol in human urine. Berthou F, et al.
J Steroid Biochem 3:319-30, Sep 72
*ANDROSTANES, urine/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CRYSTALLIZATION/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, urine/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ SEX FACTORS/ STEREOISOMERS/ TESTOSTERONE, metabolism

A method for the quantitative determination of urinary estriol conjugates in human pregnancy. Tikkanen MJ, et al. J Steroid Biochem 3:807-18, Sep 72
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ *ESTROGENIC SUBSTANCES, CONJUGATED, urine/ EVALUATION STUDIES/ FEMALE/ GLUCURONATES, urine/ HUMAN/ METHODS/ *PREGNANCY/ SULFURIC ACIDS, urine/ TRITIUM

Estriol and creatinine in pregnancy urine. Kushinsky S, et al. Obstet Gynecol 41:343-6, Mar 73
CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ *CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HUMAN/ METHODS/ PREGNANCY/ TIME FACTORS

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. Recent Prog Horm Res 28:627-63, 1972
ADULT/ *AFFECT/ *AGGRESSION/ AGING/ ANDROGENS/ ANDROGENS, analysis/ ANIMAL EXPERIMENTS/ *AROUSAL/ BEHAVIOR/ CHILD/ CHROMATOGRAPHY, GAS/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEMALE/ HUMAN/ LACTATION/ MALE/ MENSTRUATION/ METHODS/ PROTEIN BINDING/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ *SEX HORMONES, physiology/ STRESS/ TESTOSTERONE, analysis

Radioimmunoassay of urinary testosterone glucuronoside. Hennam JF, et al.
Steroids 21:285-306, Feb 73
ADULT/ ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ BUFFERS/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ NICKEL/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RADIOISOTOPES/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

A simple progesterone radioimmunoassay without column chromatography. Kutas M, et al.
Steroids 20:697-716, Dec 72
ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, GAS/ HYDROXYPROGESTERONE, chem synthesis/ METHODS/ *PROGESTERONE, analysis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES, chem synthesis/ TRITIUM

A radioimmunoassay for serum dehydroepiandrosterone sulfate. Sekihara H, et al.
Steroids 20:813-24, Dec 72
ADRENAL GLAND DISEASES, blood/ ADULT/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ OXIMES, chem synthesis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SULFATES, blood/ TRITIUM

CHROMATOGRAPHY, ION EXCHANGE

Isolation of metabolites of L-dopa--a possible source of error. Tyce GM, et al.
Biochem Pharmacol 21:2409-12, 1 Sep 72
AMINO ACIDS, isolation & purification/ ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON ISOTOPES/ CATECHOLAMINES, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DOPA, isolation & purification/ *DOPA, metabolism/ DOPAMINE, isolation & purification/ FLUOROMETRY/ GLUCURONATES, isolation & purification/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ METHODS/ METHYLDOPA, isolation & purification/ PERFUSION/ PROTEINS, analysis/ RATS

Liquid chromatographic analysis of nucleosides, purine base-modified adenosine derivatives and 3',5'-cyclic AMP. Stahl KW, et al.
J Chromatogr 76:477-81, 28 Feb 73
ADENOSINE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *CHROMATOGRAPHY, ION EXCHANGE/ CYTIDINE, analysis/ GUANOSINE, analysis/ INOSINE, analysis/ METHODS/ MICROCHEMISTRY/ PURINES, analysis/ *RIBONUCLEOSIDES, analysis/ URIDINE, analysis

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72
*ADIPOSE TISSUE, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ GLYCERIN, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ *LIPIDS, metabolism/ METHODS/ *PITUITARY GLAND/ PITUITARY HORMONES, pharmacodynamics/ *THYROTROPIN, isolation & purification/ THYROTROPIN, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

[Rapid determination of total estrogens in pregnancy] Schirazi MA, et al.
Geburtshilfe Frauenheilkd 32:1027-30, Dec 72 (Eng. Abstr.) (Ger)
AMMONIUM SULFATE/ CHROMATOGRAPHY, ION EXCHANGE/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PHOTOMETRY/ *PREGNANCY

CHROMATOGRAPHY, PAPER

Rate of appearance of metabolites in the rat pancreatic juice after administration of 14 C-L-DOPA. A preliminary report. Alm P, et al.
Acta Pharm Suec 9:401-4, Nov 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ DOPA, analysis/ *DOPA, metabolism/ FEMALE/ MALE/ METHODS/ *PANCREATIC JUICE, metabolism/ RATS/ TIME FACTORS

Paper chromatographic assay of (3 H)norepinephrine and its five major metabolites. Levin JA.
Anal Biochem 51:42-60, Jan 73
ANIMAL EXPERIMENTS/ *AORTA, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ FEMALE/ GLYCOLS, analysis/ GLYCOLS, biosynthesis/ MATHEMATICS/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, analysis/

NORMETANEPHRINE, biosynthesis/ PHENOLS, analysis/ PHENOLS, biosynthesis/ RABBITS/ TRITIUM/ VANILMANDELIC ACID, analysis/ VANILMANDELIC ACID, biosynthesis

Isolation of metabolites of L-dopa--a possible source of error. Tyce GM, et al.
Biochem Pharmacol 21:2409-12, 1 Sep 72
AMINO ACIDS, isolation & purification/ ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON ISOTOPES/ CATECHOLAMINES, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DOPA, isolation & purification/ *DOPA, metabolism/ DOPAMINE, isolation & purification/ FLUOROMETRY/ GLUCURONATES, isolation & purification/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ METHODS/ METHYLDOPA, isolation & purification/ PERFUSION/ PROTEINS, analysis/ RATS

Comparison of androgen synthesis in human fetal testis and adrenal: 3 -hydroxysteroid dehydrogenase-isomerase and 17 -steroid dehydrognase activities. Payne AH, et al.
Biochim Biophys Acta 279:202-7, 18 Aug 72
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, enzymology/ ANDROGENS, analysis/ *ANDROGENS, biosynthesis/ CHROMATOGRAPHY, PAPER/ *FETUS, enzymology/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ *ISOMERASES, analysis/ METHODS/ STEROID HYDROXYLASES, analysis/ *TESTIS, analysis/ TESTIS, enzymology

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. **Clin Chim Acta** 43:295-303, 12 Feb 73
AMMONIUM SULFATE/ ANDROSTENES, blood/ *BINDING, COMPETITIVE/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, isolation & purification/ DRUG STABILITY/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PRECIPITATION/ PREGNANCY/ *PROTEIN BINDING/ SOLVENTS/ *SULFATES, blood/ TRITIUM

A radioimmunoassay for plasma aldosterone by immunologic purification. Gomez-Sanchez C, et al.
J Clin Endocrinol Metab 36:795-8, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

A simple, quick, solid-phase method for radioimmunoassay of plasma estradiol and of plasma cortisol of late pregnancy. Loriaux DL, et al.
J Clin Endocrinol Metab 36:788-90, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

Urinary steroid levels in newborn infants with intrauterine growth retardation. Reynolds JW, et al.
J Clin Endocrinol Metab 36:576-81, Mar 73
CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, urine/ GLUCURONATES, urine/ *GROWTH DISORDERS, urine/ HUMAN/ *HYDROCORTISONE, urine/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, urine/ METHODS/ *PREGNENOLONE, urine/ SULFATES, urine/ TRITIUM

[Confirmation of the presence of cyclic AMP in lettuce seeds, var. reine de mai] Pradet A, et al.
C R Acad Sci [D] (Paris) 275:1987-8, 30 Oct 72 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, PAPER/ METHODS/ MYOCARDIUM, enzymology/ PHOSPHOTRANSFERASES, metabolism/ *PLANTS, EDIBLE, analysis/ *SEEDS, analysis

[A method of determining vanilmandelic and homovanilic acids by paper chromatography] Dibobes GK, et al. **Lab Delo** 4:221-3, 1972 **(Rus)**
CHROMATOGRAPHY, PAPER/ METHODS/ *PHENYLACETATES, analysis/ *VANILMANDELIC ACID, analysis

CHROMATOGRAPHY, THIN LAYER

Evaluation of a simplified technic for the measurement of aldosterone in human urine. Bravo EL.
Am J Clin Pathol 59:22-30, Jan 73
*ALDOSTERONE, urine/ CARBON ISOTOPES/ *CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HUMAN/ HYDROLYSIS/ *HYPERALDOSTERONISM, urine/ *HYPERTENSION, urine/ INDICATORS AND REAGENTS/ MALE/ METHODS/ NATRIURESIS/ SOLVENTS

Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid. Coy DH, et al.
Biochem Biophys Res Commun 50:866-71, 5 Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLUTAMATES/ *LH/ LH, blood/ METHODS/ OVARY, physiology/ PEPTIDES, analysis/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ RATS/ TRITIUM

An isotope derivative method for the analysis of prostaglandins E 1 and E 2 in serum using 2-amino-(35 S)thiazole as the reagent. Bojesen E, et al.
Biochim Biophys Acta 280:614-25, 8 Dec 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FASTING/ METHODS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ RATS/ SULFUR ISOTOPES/ *THIAZOLES/ TIME FACTORS/ TRITIUM/ ULTRAVIOLET RAYS

Quantitation of plasma aldosterone by radioimmunoassay. St. Cyr MJ, et al.
Clin Chem 18:1395-402, Nov 72
ADULT/ *ALDOSTERONE, blood/ CHARCOAL/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ MATHEMATICS/ METHODS/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Apter C, et al.
Clin Chim Acta 42:115-8, Nov 72
ANDROSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ DANSYL COMPOUNDS/ DEHYDROEPIANDROSTERONE, urine/ ETHYL ETHER/ ETIOCHOLANOLONE, urine/ FLUORESCENCE SPECTROMETRY/ HYDRAZONES/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ SOLUBILITY

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al.
J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

A radioimmunoassay for plasma corticosterone. Gross HA, et al. Steroids 20:681-95, Dec 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY

SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, antagonists & inhibitors/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FLUOROMETRY/ METHODS/ MICE/ MICE, INBRED STRAINS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRESS/ TIME FACTORS/ TRITIUM

A radioimmunoassay for serum dehydroeplandrosterone sulfate. Sekihara H, et al.
Steroids 20:813-24, Dec 72
ADRENAL GLAND DISEASES, blood/ ADULT/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ OXIMES, chem synthesis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SULFATES, blood/ TRITIUM

Determination of serum testosterone and androstanediol by competitive protein binding. Strickland AL, et al. **Steroids 21:27-46, Jan 73**
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ANDROSTENES, blood/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ ENDOCRINE DISEASES, blood/ FEMALE/ HUMAN/ INFANT/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ PUBERTY, PRECOCIOUS, blood/ SEX FACTORS/ SOLVENTS/ *TESTOSTERONE, blood/ TRITIUM

[Determination of serum progesterone by competitive protein binding] Shinada T, et al.
Clin Endocrinol (Tokyo) 20:671-7, Aug 72 (Jap)
BINDING, COMPETITIVE/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRANSCORTIN/ TRITIUM

COLORIMETRY

[Continuous flow system for the determination of urinary 17-hydroxycorticosteroids (Porter-Silber chromogens) by autoanalyzer] Endo J.
Jap J Clin Pathol 20:461-8, Jul 72 (Jap)
*AUTOANALYSIS/ COLORIMETRY/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ METHODS

COMPARATIVE STUDY

Insulin from individual isolated mouse islets of Langerhans. Beigelman PM, et al.
Biochem Med 7:91-6, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CLOSTRIDIOPEPTIDASE A/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GLUCOSE, pharmacodynamics/ IMMUNOASSAY/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ METHODS/ MICE/ OXYGEN CONSUMPTION/ POLYSACCHARIDES, pharmacodynamics/ SPECIMEN HANDLING

Interference of 21-deoxycortisol with cortisol assay methods. Cook DM, et al.
J Clin Endocrinol Metab 36:608-10, Mar 73
*ADRENOGENITAL SYNDROME, blood/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PHENYLHYDRAZINE/ STEROID HYDROXYLASES

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al.
J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

Radioimmunoassay of urinary testosterone glucuronoside. Hennam JF, et al.
Steroids 21:285-306, Feb 73
ADULT/ ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ BUFFERS/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ NICKEL/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RADIOISOTOPES/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al.
Steroids 21:169-80, Feb 73
*ALDOSTERONE, blood/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTISONE, blood/ CROSS REACTIONS/ HYDROCORTISONE, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

[Clinical assessment of a new method (Tetraiute) for determination of serum thyroxine] Siersbaek-Nielsen K, et al.
Ugeskr Laeger 134:2705-8, 18 Dec 72 (Eng. Abstr.) (Dan)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood

[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al.
Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)
ADULT/ AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

DENSITOMETRY

[Computer demonstration of a finger cross section in bone density measurement using a 125 I profile scanner] Reiners C, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:68-76, Jan 73 (Eng. Abstr.) (Ger)
ANTHROPOMETRY/ *AUTOMATIC DATA PROCESSING/ *DENSITOMETRY/ ENGLISH ABSTRACT/ *FINGERS, anatomy & histology/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ RADIOISOTOPE SCANNING

[Value of bone biopsy in the diagnosis of calcipenic osteopathy] Lozano-Tonkin C.
Z Rheumaforsch 31:358-66, Sep-Oct 72 (Eng. Abstr.) (Ger)
BIOPSY/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ *BONE DISEASES, diagnosis/ BONE DISEASES, metabolism/ BONE DISEASES, pathology/ BONE RESORPTION, diagnosis/ CALCIUM, metabolism/ DENSITOMETRY/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYAPATITE, analysis/ ILIUM, pathology/ METHODS/ MICRORADIOGRAPHY/ OSTEOGENESIS/ OSTEOMALACIA, diagnosis/ OSTEOPOROSIS, diagnosis/ RIBS/ TETRACYCLINE, diagnostic use

DENSITOMETRY, X-RAY

[Radiography of generalized osteopathies] Heuck F.
Z Rheumaforsch 31:324-44, Sep-Oct 72 (Eng. Abstr.) (Ger)
ADULT/ AUTOMATIC DATA PROCESSING/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ *BONE DISEASES, radiography/ CALCIUM, analysis/ CHILD, PRESCHOOL/ DENSITOMETRY, X-RAY/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, radiography/ HAND, radiography/ HUMAN/ HYDROXYAPATITE, analysis/ HYPERPARATHYROIDISM, SECONDARY/ MALE/ METHODS/ MICRORADIOGRAPHY/ MIDDLE AGE/ OSSIFICATION, PATHOLOGIC/ OSTEOGENESIS IMPERFECTA, radiography/ OSTEOMALACIA, radiography/ OSTEOPETROSIS, radiography/ OSTEOPOROSIS, radiography/ RENAL OSTEODYSTROPHY, radiography/ SPINE, radiography

ELECTROPHORESIS

[Direct radioimmunochemical determination of plasmatic renin activity] Vincent M, et al.
C R Soc Biol (Paris) 166:643-8, 1972 (Fre)
ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY/ DIMERCAPROL, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Physical characterization of hFSH and its desialylation products by isoelectric focusing and electrophoresis in polyacrylamide gel. Sherins RJ, et al.
Endocrinology 92:1135-41, Apr 73
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH, analysis/ FSH, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS/ RADIOIMMUNOASSAY/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

FILTRATION

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al.
J Clin Endocrinol Metab 36:661-5, Apr 73
ACETONE/ ADULT/ CENTRIFUGATION/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FILTRATION/ *FSH, urine/ HUMAN/ KAOLIN/ *LH, urine/ MALE/ METHODS/ PUBERTY/ RADIOIMMUNOASSAY

FLUORESCENCE

Nonspecific interferences in the fluorometric determination of plasma cortisol. Koch TR, et al.
Clin Chem 19:258-61, Feb 73
BINDING, COMPETITIVE/ CHLORINE/ FALSE POSITIVE REACTIONS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHANE/ METHODS/ PROTEIN BINDING

FLUORESCENCE SPECTROMETRY

Nonspecific interferences in the fluorometric determination of plasma cortisol. Koch TR, et al.
Clin Chem 19:258-61, Feb 73
BINDING, COMPETITIVE/ CHLORINE/ FALSE POSITIVE REACTIONS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHANE/ METHODS/ PROTEIN BINDING

Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Apter C, et al.
Clin Chim Acta 42:115-8, Nov 72
ANDROSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ DANSYL COMPOUNDS/ DEHYDROEPIANDROSTERONE, urine/ ETHYL ETHER/ ETIOCHOLANOLONE, urine/ FLUORESCENCE SPECTROMETRY/ HYDRAZONES/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ SOLUBILITY

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73
CHROMATOGRAPHY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDROLYSIS/ LH, blood/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ METHYLATION/ OXIDATION-REDUCTION/ SOLVENTS/ TRITIUM

FLUOROMETRY

Isolation of metabolites of L-dopa--a possible source of error. Tyce GM, et al.
Biochem Pharmacol 21:2409-12, 1 Sep 72
AMINO ACIDS, isolation & purification/ ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON ISOTOPES/ CATECHOLAMINES, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DOPA, isolation & purification/ *DOPA, metabolism/ DOPAMINE, isolation & purification/ FLUOROMETRY/ GLUCURONATES, isolation & purification/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ METHODS/ METHYLDOPA, isolation & purification/ PERFUSION/ PROTEINS, analysis/ RATS

A reliable fluorometric method for total urinary estrogens. Goebelsmann U.
Clin Chim Acta 43:285-93, 12 Feb 73
CHROMATOGRAPHY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDROLYSIS/ LH, blood/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ METHYLATION/ OXIDATION-REDUCTION/ SOLVENTS/ TRITIUM

Interference of 21-deoxycortisol with cortisol assay methods. Cook DM, et al.
J Clin Endocrinol Metab 36:608-10, Mar 73
*ADRENOGENITAL SYNDROME, blood/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PHENYLHYDRAZINE/ STEROID HYDROXYLASES

A radioimmunoassay for plasma corticosterone. Gross

HA, et al. **Steroids** 20:681-95, Dec 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, antagonists & inhibitors/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FLUOROMETRY/ METHODS/ MICE/ MICE, INBRED STRAINS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRESS/ TIME FACTORS/ TRITIUM

GEL FILTRATION

Radioimmunoassay of human growth hormone and insulin: a micromethod using an inexpensive gamma counter. Abbott R, et al.
Am J Clin Pathol 59:174-9, Feb 73
ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ BINDING, COMPETITIVE/ BINDING SITES, ANTIBODY/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ MICROCHEMISTRY/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ SWINE

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73
ANTIBODY SPECIFICITY/ FEMALE/ *FSH, blood/ GAMMA GLOBULIN/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES, DIAGNOSTIC/ ISOTOPE LABELING/ MENOPAUSE/ METHODS/ PITUITARY GLAND, immunology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, blood/ SPECIES SPECIFICITY/ TEMPERATURE/ TESTICULAR FEMINIZATION, blood/ TIME FACTORS/ TISSUE EXTRACTS/ TURNER'S SYNDROME, blood

A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Ahmed J.
Clin Chim Acta 43:371-8, 12 Feb 73
ADULT/ AMMONIUM SULFATE/ *BINDING, COMPETITIVE/ CHROMATOGRAPHY/ ENDOCRINE DISEASES, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ *PROTEIN BINDING/ SOLVENTS/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

Problems and artefacts in ACTH assay. Fehm HL, et al.
Horm Metab Res 4:477-81, Nov 72
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CATTLE/ CHROMATOGRAPHY/ FALSE POSITIVE REACTIONS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SWINE

Some observations on the measurement of estradiol-17 in human plasma by radioimmunoassay. Cameron EH, et al. **Steroids** 20:737-59, Dec 72
ADULT/ ANTIBODY SPECIFICITY/ CARBONATES/ CATTLE, immunology/ CROSS REACTIONS/ DEXTRAN/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ GELATIN/ HUMAN/ MATHEMATICS/ MENSTRUATION/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ TIME FACTORS/ TRITIUM

Determination of aldosterone by sephadex LH-20 chromatography and radioimmunoassay. Waidhäusl W, et al. **Steroids** 20:727-36, Dec 72
*ALDOSTERONE, urine/ CARBON ISOTOPES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYPERALDOSTERONISM, urine/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al.
C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 **(Fre)**
ADOLESCENCE/ ADULT/ ESTROGENS, metabolism/ FEMALE/ GEL FILTRATION/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ *MENSTRUATION/ METHODS/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ SHEEP/ SPECTRUM ANALYSIS/ TIME FACTORS

[Determination of plasma calcitonin activity in man] Cambria A, et al.
Arch Sci Med (Torino) 129:142-4, Jul-Sep 72 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ RATS/ THYROCALCITONIN, analysis/ *THYROCALCITONIN, blood

IMMUNOASSAY

Insulin from individual isolated mouse islets of Langerhans. Beigelman PM, et al.
Biochem Med 7:91-6, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CLOSTRIDIOPEPTIDASE A/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GLUCOSE, pharmacodynamics/ IMMUNOASSAY/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ METHODS/ MICE/ OXYGEN CONSUMPTION/ POLYSACCHARIDES, pharmacodynamics/ SPECIMEN HANDLING

The periodicity of insulin secretion by islets of Langerhans shown by using a new apparatus. Preliminary data. Bessman SP, et al.
Biochem Med 7:97-102, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ DIABETES MELLITUS/ DISEASE MODELS, ANIMAL/ EVALUATION STUDIES/ GLUCOSE, pharmacodynamics/ IMMUNOASSAY/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ METHODS/ MICE/ MICROMANIPULATION, instrumentation/ PERIODICITY/ SECRETORY RATE/ TIME FACTORS

An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. Bangham DR, et al.
J Clin Endocrinol Metab 36:647-60, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *FSH, standards/ HUMAN/ IMMUNE SERUMS/ IMMUNOASSAY/ *LH, standards/ METHODS/ RADIOIMMUNOASSAY/ RATS

METHOD SECTION

IMMUNOELECTROPHORESIS

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

ISOELECTRIC FOCUSING

Physical characterization of hFSH and its desialylation products by isoelectric focusing and electrophoresis in polyacrylamide gel. Sherins RJ, et al.
Endocrinology 92:1135-41, Apr 73
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH, analysis/ FSH, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS/ RADIOIMMUNOASSAY/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al.
Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

Lipolytic activity of human pituitary fractions on human adipose tissue cells. Storring PL, et al.
J Endocrinol 55:543-54, Dec 72
*ADIPOSE TISSUE, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ GLYCERIN, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ *LIPIDS, metabolism/ METHODS/ *PITUITARY GLAND/ PITUITARY HORMONES, pharmacodynamics/ *THYROTROPIN, isolation & purification/ THYROTROPIN, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

MASS SPECTRUM ANALYSIS

Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids. German AL, et al.
J Chromatogr Sci 11:76-82, Feb 73
ADRENAL CORTEX HORMONES, urine/ ADULT/ ANDROSTERONE, urine/ CAPILLARITY/ *CHROMATOGRAPHY, GAS/ CORTISONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HEAT/ HUMAN/ HYDROCORTISONE, urine/ INFANT/ INFANT, NEWBORN/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIMES/ PREGNANETRIOL, urine/ *STEROIDS, urine

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al.
J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

Identification of 5 alpha-androstane-3 beta-diol in human urine. Berthou F, et al.
J Steroid Biochem 3:819-30, Sep 72
*ANDROSTANES, urine/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CRYSTALLIZATION/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, urine/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ SEX FACTORS/ STEREOISOMERS/ TESTOSTERONE, metabolism

Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. **Steroids 20:789-812, Dec 72**
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

MICROCHEMISTRY

Radioimmunoassay of human growth hormone and insulin: a micromethod using an inexpensive gamma counter. Abbott R, et al.
Am J Clin Pathol 59:174-9, Feb 73
ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ BINDING, COMPETITIVE/ BINDING SITES, ANTIBODY/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ MICROCHEMISTRY/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ SWINE

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. **Clin Chem 19:312-4, Mar 73**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BARIUM/ CARRIER PROTEINS/ CARRIER PROTEINS, isolation & purification/ CORONARY DISEASE, blood/ DOGS/ GLUCAGON, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HUMAN/ METHODS/ MICROCHEMISTRY/ MYOCARDIAL INFARCT, blood/ NOREPINEPHRINE, pharmacodynamics/ PRECIPITATION/ PROTEIN BINDING/ RATS/ SALIVA, analysis/ SPECIES SPECIFICITY/ TRITIUM/ ZINC

Liquid chromatographic analysis of nucleosides, purine base-modified adenosine derivatives and 3',5'-cyclic AMP. Stahl KW, et al.
J Chromatogr 76:477-81, 28 Feb 73
ADENOSINE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *CHROMATOGRAPHY, ION EXCHANGE/ CYTIDINE, analysis/ GUANOSINE, analysis/ INOSINE, analysis/ METHODS/ MICROCHEMISTRY/ PURINES, analysis/ *RIBONUCLEOSIDES, analysis/ URIDINE, analysis

PHOTOMETRY

[Rapid determination of total estrogens in pregnancy] Schirazi MA, et al.
Geburtshilfe Frauenheilkd 32:1027-30, Dec 72 (Eng. Abstr.) (Ger)
AMMONIUM SULFATE/ CHROMATOGRAPHY,

ION EXCHANGE/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PHOTOMETRY/ *PREGNANCY

[Reflectometric evaluation of MSH using Bufo arenarum melanophores in vitro] Iturriza FC, et al. Acta Physiol Lat Am 22:140-5, 1972 (Eng. Abstr.) (Spa)
ANIMAL EXPERIMENTS/ *BUFO ARENARUM/ *CHROMATOPHORES, analysis/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ MALE/ METHODS/ *MSH, analysis/ PHOTOMETRY/ SKIN, analysis/ SKIN, cytology/ TIME FACTORS

PRECIPITATION

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. Clin Chem 19:312-4, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BARIUM/ CARRIER PROTEINS/ CARRIER PROTEINS, isolation & purification/ CORONARY DISEASE, blood/ DOGS/ GLUCAGON, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HUMAN/ METHODS/ MICROCHEMISTRY/ MYOCARDIAL INFARCT, blood/ NOREPINEPHRINE, pharmacodynamics/ PRECIPITATION/ PROTEIN BINDING/ RATS/ SALIVA, analysis/ SPECIES SPECIFICITY/ TRITIUM/ ZINC

Critical variables in the radioimmunological technique for measuring immunoreactive insulin with use of immunosorbents. Velasco CA, et al. Clin Chem 19:201-4, Feb 73
ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ DEXTRAN/ GELS/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOLOGIC TECHNICS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ PRECIPITATION/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73
AMMONIUM SULFATE/ ANDROSTENES, blood/ *BINDING, COMPETITIVE/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, isolation & purification/ DRUG STABILITY/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PRECIPITATION/ PREGNANCY/ *PROTEIN BINDING/ SOLVENTS/ *SULFATES, blood/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al. Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

PROTEIN BINDING

Nonspecific interferences in the fluorometric determination of plasma cortisol. Koch TR, et al. Clin Chem 19:258-61, Feb 73
BINDING, COMPETITIVE/ CHLORINE/ FALSE POSITIVE REACTIONS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHANE/ METHODS/ PROTEIN BINDING

Conditions for a radioimmunoassay of serum parathyroid hormone. McCann DS, et al. Clin Chem 19:205-9, Feb 73
ANTIBODY SPECIFICITY/ CHICKENS, immunology/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE

Method for determination of cyclic AMP in plasma. Rabinowitz B, et al. Clin Chem 19:312-4, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BARIUM/ CARRIER PROTEINS/ CARRIER PROTEINS, isolation & purification/ CORONARY DISEASE, blood/ DOGS/ GLUCAGON, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HUMAN/ METHODS/ MICROCHEMISTRY/ MYOCARDIAL INFARCT, blood/ NOREPINEPHRINE, pharmacodynamics/ PRECIPITATION/ PROTEIN BINDING/ RATS/ SALIVA, analysis/ SPECIES SPECIFICITY/ TRITIUM/ ZINC

Critical variables in the radioimmunological technique for measuring immunoreactive insulin with use of immunosorbents. Velasco CA, et al. Clin Chem 19:201-4, Feb 73
ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ DEXTRAN/ GELS/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOLOGIC TECHNICS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ PRECIPITATION/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS

A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Ahmed J. Clin Chim Acta 43:371-8, 12 Feb 73
ADULT/ AMMONIUM SULFATE/ *BINDING, COMPETITIVE/ CHROMATOGRAPHY/ ENDOCRINE DISEASES, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ *PROTEIN BINDING/ SOLVENTS/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding. Andre CM, et al. Clin Chim Acta 43:295-303, 12 Feb 73
AMMONIUM SULFATE/ ANDROSTENES, blood/ *BINDING, COMPETITIVE/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, isolation & purification/ DRUG STABILITY/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PRECIPITATION/ PREGNANCY/ *PROTEIN BINDING/ SOLVENTS/ *SULFATES, blood/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al. Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE

ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

Problems and artefacts in ACTH assay. Fehm HL, et al. **Horm Metab Res 4:477-81, Nov 72**
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CATTLE/ CHROMATOGRAPHY/ FALSE POSITIVE REACTIONS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SWINE

Normalized serum thyroxine and effective thyroxine ratio. Ashkar FS, et al. **JAMA 223:1160, 5 Mar 73**
HUMAN/ IN VITRO/ METHODS/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans. Lunde DT, et al. **Recent Prog Horm Res 28:627-63, 1972**
ADULT/ *AFFECT/ *AGGRESSION/ AGING/ ANDROGENS/ ANDROGENS, analysis/ ANIMAL EXPERIMENTS/ *AROUSAL/ BEHAVIOR/ CHILD/ CHROMATOGRAPHY, GAS/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEMALE/ HUMAN/ LACTATION/ MALE/ MENSTRUATION/ METHODS/ PROTEIN BINDING/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ *SEX HORMONES, physiology/ STRESS/ TESTOSTERONE, analysis

A highly specific radioimmunoassay for progesterone using antibodies covalently linked to arylamine-glass particles. Bodley FH, et al. **Steroids 21:1-16, Jan 73**
ACRIDINES/ *AMINES/ *ANTIBODIES/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHARCOAL/ GLASS/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SUCCINATES/ TRITIUM

Determination of serum testosterone and androstanediol by competitive protein binding. Strickland AL, et al. **Steroids 21:27-46, Jan 73**
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ANDROSTENES, blood/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ ENDOCRINE DISEASES, blood/ FEMALE/ HUMAN/ INFANT/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ PUBERTY, PRECOCIOUS, blood/ SEX FACTORS/ SOLVENTS/ *TESTOSTERONE, blood/ TRITIUM

[Radioimmunologic determination of ovine and bovine growth hormones. Neutralization or elimination of anti-prolactin antibodies in anti-somatotropin immune serums] Martal J.
C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ CATTLE/ CROSS REACTIONS/ *IMMUNE SERUMS/ IMMUNE SERUMS, isolation & purification/ IODINE ISOTOPES/ LH/ METHODS/ *PROLACTIN/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ SHEEP/ *SOMATOTROPIN, analysis

[Study of a protein binding method for the determination of plasma corticoids] Köbberling J, et al.
Z Klin Chem Klin Biochem 10:67-73, Feb 72 (Eng. Abstr.) (Ger)
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROCORTISONE, blood/ METHODS/ PROGESTERONE, blood/ *PROTEIN BINDING/ RATS/ TRITIUM

[Determination of serum progesterone by competitive protein binding] Shinada T, et al.
Clin Endocrinol (Tokyo) 20:671-7, Aug 72 (Jap)
BINDING, COMPETITIVE/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRANSCORTIN/ TRITIUM

RADIOIMMUNOASSAY

Radioimmunoassay of progesterone in peripheral plasma of the domestic fowl in various physiological states and in follicular venous plasma. Furr BJ. **Acta Endocrinol (Kbh) 72:89-100, Jan 73**
ANIMAL EXPERIMENTS/ CHICKENS/ FEMALE/ GOATS, immunology/ MALE/ METHODS/ OVULATION/ POULTRY/ *PROGESTERONE, blood/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY/ TRITIUM

Radioimmunoassay for triiodothyronine in human serum. Hüfner M, et al.
Acta Endocrinol (Kbh) 72:464-74, Mar 73
ANTIBODIES/ BUFFERS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ION EXCHANGE/ MERCURY/ METHODS/ ORGANOMETALLIC COMPOUNDS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

Radioimmunoassay of human growth hormone and insulin: a micromethod using an inexpensive gamma counter. Abbott R, et al.
Am J Clin Pathol 59:174-9, Feb 73
ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ BINDING, COMPETITIVE/ BINDING SITES, ANTIBODY/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ MICROCHEMISTRY/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ SWINE

Plasma insulin in the foetal rat. Cohen NM, et al.
Biol Neonate 21:107-11, 1972
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CESAREAN SECTION/ FEMALE/ FETUS, anatomy & histology/ *FETUS, metabolism/ GESTATIONAL AGE/ *INSULIN, blood/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS

Overnight radioimmunoassay of human follicle-stimulating hormone. Brown LP, et al.
Clin Chem 19:197-200, Feb 73
ANTIBODY SPECIFICITY/ FEMALE/ *FSH, blood/ GAMMA GLOBULIN/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES, DIAGNOSTIC/ ISOTOPE LABELING/ MENOPAUSE/ METHODS/ PITUITARY GLAND, immunology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, blood/ SPECIES SPECIFICITY/ TEMPERATURE/ TESTICULAR FEMINIZATION, blood/ TIME FACTORS/ TISSUE EXTRACTS/ TURNER'S SYNDROME, blood

Effect of hemolysis on the apparent concentration of insulin in plasma. Cantrell JW, et al.
Clin Chem 18:1423-5, Nov 72
EDTA/ FLUORIDES/ HEMOGLOBIN, analysis/ HEMOLYSIS/ HUMAN/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ OXALATES/ RADIOIMMUNOASSAY/ SWINE

Conditions for a radioimmunoassay of serum parathyroid hormone. McCann DS, et al.
Clin Chem 19:205-9, Feb 73
ANTIBODY SPECIFICITY/ CHICKENS, immunology/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID

HORMONE, blood/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE

Quantitation of plasma aldosterone by radioimmunoassay. St. Cyr MJ, et al. **Clin Chem** 18:1395-402, Nov 72
ADULT/ *ALDOSTERONE, blood/ CHARCOAL/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ MATHEMATICS/ METHODS/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

Modified radioimmunoassay of urinary aldosterone. Sivakumaran T, et al. **Clin Chem** 19:279-80, Feb 73
*ALDOSTERONE, urine/ CARBON ISOTOPES/ HUMAN/ LACTONES, urine/ METHODS/ RADIOIMMUNOASSAY

Critical variables in the radioimmunological technique for measuring immunoreactive insulin with use of immunosorbents. Velasco CA, et al. **Clin Chem** 19:201-4, Feb 73
ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ DEXTRAN/ GELS/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOLOGIC TECHNICS/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ PRECIPITATION/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS

Determination of plasma renin activity by radioimmunoassay of angiotensin I. Fukuchi S, et al. **Clin Sci** 44:43-54, Jan 73
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, blood/ BIOLOGICAL ASSAY/ CHRONIC DISEASE/ EDTA/ GLOMERULONEPHRITIS, enzymology/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERALDOSTERONISM, enzymology/ HYPERTENSION, enzymology/ HYPERTENSION, RENAL, enzymology/ IODINE ISOTOPES/ ISOFLUROPHATE/ METHODS/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN

Effects of amino acids, epinephrine and heparin upon the radioimmunoassay of insulin in plasma. Feldman JM, et al. **Diabetes** 22:9-15, Jan 73
*AMINO ACIDS, pharmacodynamics/ ARGININE, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ FASTING/ GLUCOSE TOLERANCE TEST/ *HEPARIN, pharmacodynamics/ HUMAN/ *INSULIN, blood/ INSULIN ANTIBODIES/ LEUCINE, pharmacodynamics/ METHODS/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE

Physical characterization of hFSH and its desialylation products by isoelectric focusing and electrophoresis in polyacrylamide gel. Sherins RJ, et al. **Endocrinology** 92:1135-41, Apr 73
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH, analysis/ FSH, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS/ RADIOIMMUNOASSAY/ TRITIUM

Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin. Vinik AI, et al. **Endocrinology** 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay. Waldhäusl W, et al. **Eur J Clin Invest** 3:1-9, Jan 73
ANGIOTENSIN, blood/ ANGIOTENSINASE, analysis/ ANIMAL EXPERIMENTS/ DIET/ DITHIOTHREITOL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ HYPERALDOSTERONISM, metabolism/ METHODS/ POSTURE/ RABBITS/ RADIOIMMUNOASSAY/ RENIN, antagonists & inhibitors/ *RENIN, blood/ RENIN, metabolism/ SODIUM, administration & dosage/ SWINE/ TEMPERATURE

Problems and artefacts in ACTH assay. Fehm HL, et al. **Horm Metab Res** 4:477-81, Nov 72
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CATTLE/ CHROMATOGRAPHY/ FALSE POSITIVE REACTIONS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SWINE

An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. Bangham DR, et al. **J Clin Endocrinol Metab** 36:647-60, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *FSH, standards/ HUMAN/ IMMUNE SERUMS/ IMMUNOASSAY/ *LH, standards/ METHODS/ RADIOIMMUNOASSAY/ RATS

A radioimmunoassay for plasma aldosterone without chromatography. Farmer RW, et al. **J Clin Endocrinol Metab** 36:460-5, Mar 73
*ALDOSTERONE, blood/ CHROMATOGRAPHY/ CYCLOHEXANE/ IMMUNE SERUMS/ METHODS/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ *RADIOIMMUNOASSAY/ SODIUM HYDROXIDE/ TRITIUM/ WATER

A radioimmunoassay for plasma aldosterone by immunologic purification. Gomez-Sanchez C, et al. **J Clin Endocrinol Metab** 36:795-8, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

A simple, quick, solid-phase method for radioimmunoassay of plasma estradiol and of plasma cortisol of late pregnancy. Loriaux DL, et al. **J Clin Endocrinol Metab** 36:788-90, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques. Reiter EO, et al. **J Clin Endocrinol Metab** 36:661-5, Apr 73
ACETONE/ ADULT/ CENTRIFUGATION/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FILTRATION/ *FSH, urine/ HUMAN/ KAOLIN/ *LH, urine/ MALE/ METHODS/ PUBERTY/ RADIOIMMUNOASSAY

A homologous radioimmunoassay for human prolactin. Sinha YN, et al. **J Clin Endocrinol Metab** 36:509-16, Mar 73
ACROMEGALY, blood/ ADULT/ AGED/ AUTOPSY/ CATTLE/ CETACEA/ FEMALE/ FISHES/ FROGS/ HUMAN/ IODINE ISOTOPES/ LH/ MALE/ METHODS/ MICE/ PITUITARY GLAND, analysis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PREGNANCY/ PROLACTIN, analysis/ *PROLACTIN, blood/

*RADIOIMMUNOASSAY/ SHEEP/ SWINE/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TURTLES

Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma. Jaffe BM, et al. J Clin Invest 52:398-405, Feb 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CARCINOID TUMOR, blood/ CHROMATOGRAPHY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDOMETHACIN, pharmacodynamics/ KIDNEY, analysis/ METHODS/ NEUROBLASTOMA, blood/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ *RADIOIMMUNOASSAY/ RATS/ THYROID NEOPLASMS, blood/ TRITIUM

Measurement of plasma renin activity by angiotensin I radioimmunoassay: (I) an assessment of some methodological aspects. Maivano R, et al. J Nucl Biol Med 16:24-31, Jan-Mar 72
*ANGIOTENSIN, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

Luteolysis in the ewe: a study using a radioimmunoassay for prostaglandin F. Cerini JC, et al. J Reprod Fertil 32:326-7, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ FEMALE/ METHODS/ OVARY, transplantation/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *SHEEP, physiology/ TRANSPLANTATION, AUTOLOGOUS

Development and application of a radioimmunoassay for F prostaglandins. Caldwell BV, et al. J Reprod Med 9:361-71, Dec 72
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ CORPUS LUTEUM, physiology/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IMMUNE SERUMS/ INDOMETHACIN, pharmacodynamics/ MACACA/ METHODS/ MONKEYS/ OVARY, blood supply/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, physiology/ RABBITS/ *RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW/ SERUM ALBUMIN, BOVINE/ SHEEP

Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Héry M, et al. Life Sci [I] 11:809-15, 1 Sep 72
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BLOOD SPECIMEN COLLECTION/ CAROTID ARTERIES/ CASTRATION/ FEMALE/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ INJECTIONS, INTRA-ARTERIAL/ *JUGULAR VEIN/ LH, blood/ *LH, secretion/ METHODS/ PERFUSION/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SHEEP/ SPECIES SPECIFICITY/ TIME FACTORS

A highly specific radioimmunoassay for progesterone using antibodies covalently linked to aryiamine-glass particles. Bodley FH, et al. Steroids 21:1-16, Jan 73
ACRIDINES/ *AMINES/ *ANTIBODIES/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHARCOAL/ GLASS/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SUCCINATES/ TRITIUM

Some observations on the measurement of estradiol-17 in human plasma by radioimmunoassay. Cameron EH, et al. Steroids 20:737-59, Dec 72
ADULT/ ANTIBODY SPECIFICITY/ CARBONATES/ CATTLE, immunology/ CROSS REACTIONS/ DEXTRAN/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ GELATIN/ HUMAN/ MATHEMATICS/ MENSTRUATION/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ TIME FACTORS/ TRITIUM

A radioimmunoassay for plasma corticosterone. Gross HA, et al. Steroids 20:681-95, Dec 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, antagonists & inhibitors/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FLUOROMETRY/ METHODS/ MICE/ MICE, INBRED STRAINS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRESS/ TIME FACTORS/ TRITIUM

Radioimmunoassay of urinary testosterone glucuronoside. Hennam JF, et al. Steroids 21:285-306, Feb 73
ADULT/ ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ BUFFERS/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ NICKEL/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RADIOISOTOPES/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

A simple progesterone radioimmunoassay without column chromatography. Kutas M, et al. Steroids 20:697-716, Dec 72
ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, GAS/ HYDROXYPROGESTERONE, chem synthesis/ METHODS/ *PROGESTERONE, analysis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES, chem synthesis/ TRITIUM

A non-chromatographic radioimmunoassay for plasma aldosterone. Martin BT, et al. Steroids 21:169-80, Feb 73
*ALDOSTERONE, blood/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTISONE, blood/ CROSS REACTIONS/ HYDROCORTISONE, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Robertson HA, et al. Steroids 20:651-67, Dec 72
ANIMAL EXPERIMENTS/ BENZENE/ CASTRATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ESTRADIOL/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRONE, chem synthesis/ FEMALE/ MALE/ METHODS/ NAD/ OVARY, physiology/ OXIDATION-REDUCTION/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SOLVENTS/ TESTIS, physiology/ TRITIUM

A radioimmunoassay for serum dehydroepiandrosterone sulfate. Sekihara H, et al. Steroids 20:813-24, Dec 72
ADRENAL GLAND DISEASES, blood/ ADULT/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ OXIMES, chem synthesis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SULFATES, blood/ TRITIUM

A radioimmunoassay of androstenedione. Thorneycroft IH, et al. Steroids 21:111-22, Jan 73
ADRENAL GLANDS, physiology/

ADRENALECTOMY/ ADULT/ ANDROSTANES, analysis/ ANTIBODY SPECIFICITY/ CASTRATION/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MALE/ MENSTRUATION/ METHODS/ OVARY, physiology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SUCCINATES/ TESTOSTERONE, analysis/ TIME FACTORS/ TRITIUM

Determination of aldosterone by sephadex LH-20 chromatography and radioimmunoassay. Waidhäusl W, et al. **Steroids 20:727-36, Dec 72**
*ALDOSTERONE, urine/ CARBON ISOTOPES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYPERALDOSTERONISM, urine/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. **Steroids 20:789-812, Dec 72**
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

Radioimmunoassay of 17-hydroxyprogesterone. Youssefnejadian E, et al. **Steroids 20:773-88, Dec 72**
ADULT/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, chem synthesis/ MALE/ METHODS/ OXIMES, chem synthesis/ PROGESTERONE, isolation & purification/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES/ TIME FACTORS/ TRITIUM

[A new method of radioimmunoassay of plasma testosterone] Mahoudeau JA, et al. **Ann Biol Clin (Paris) 30:559-66, 1972 (Eng. Abstr.) (Fre)**
ADULT/ ANDROGENS/ ANTIBODIES, isolation & purification/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

[Persistence of circadian rhythms of plasma insulin, glucagon and cortisol, as well as oxygen consumption and the respiratory quotient, during a calorie restricted protein diet] Apfelbaum M, et al. **Ann Endocrinol (Paris) 33:274-7, May-Jun 72 (Eng. Abstr.) (Fre)**
ADOLESCENCE/ ADULT/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM/ *DIET, REDUCING/ ENGLISH ABSTRACT/ FEMALE/ *GLUCAGON, blood/ HUMAN/ *HYDROCORTISONE, blood/ *INSULIN, blood/ METHODS/ NITROGEN, urine/ *OXYGEN CONSUMPTION/ RADIOIMMUNOASSAY/ *RESPIRATION/ RESPIRATORY FUNCTION TESTS

[Development and application of the radioimmunologic assay of plasma aldosterone and renin activity] Corvol P, et al. **Ann Endocrinol (Paris) 33:285-6, May-Jun 72 (Eng. Abstr.) (Fre)**
*ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, blood/ METHODS/ NEPHRECTOMY/ POSTURE/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *RENIN, blood

[Choriocarcinoma in a male patient with circulating thyrotropic activity and adrenocortical hyperfunction] Orgiazzi J, et al. **Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Eng. Abstr.) (Fre)**
*ADRENAL GLAND HYPERFUNCTION, blood/ CASE REPORT/ *CHORIOCARCINOMA, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDATIDIFORM MOLE, blood/ HYDROCORTISONE, blood/ 17-KETOSTEROIDS, urine/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ *TROPHOBLASTIC TUMOR, blood

[Radioimmunologic determination of ovine and bovine growth hormones. Neutralization or elimination of anti-prolactin antibodies in anti-somatotropin immune serums] Martal J.
C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ CATTLE/ CROSS REACTIONS/ *IMMUNE SERUMS/ IMMUNE SERUMS, isolation & purification/ IODINE ISOTOPES/ LH/ METHODS/ *PROLACTIN/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ SHEEP/ *SOMATOTROPIN, analysis

[Radioimmunoassay of rat somatotropin using a new isolation technic] Rieutort M.
C R Acad Sci [D] (Paris) 274:3589-92, 26 Jun 72 (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ CHARCOAL/ DEXTRAN/ METHODS/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, isolation & purification

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al.
C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)
ADOLESCENCE/ ADULT/ ESTROGENS, metabolism/ FEMALE/ GEL FILTRATION/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ *MENSTRUATION/ METHODS/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ SHEEP/ SPECTRUM ANALYSIS/ TIME FACTORS

[Direct radioimmunochemical determination of plasmatic renin activity] Vincent M, et al.
C R Soc Biol (Paris) 166:643-8, 1972 (Fre)
ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY/ DIMERCAPROL, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

[Serum triiodothyronine and thyroid pathology. Value of its determination. Preliminary results in 207 patients] Nouel JP, et al.
Nouv Presse Med 2:219-22, 27 Jan 73 (Eng. Abstr.) (Fre)
ADULT/ AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

[Determination of plasma calcitonin activity in man] Cambria A, et al.
Arch Sci Med (Torino) 129:142-4, Jul-Sep 72 (Eng. Abstr.) (Ita)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ RATS/

THYROCALCITONIN, analysis/
*THYROCALCITONIN, blood

[A radioimmunologic method of determining insulin] Shlimovich PB, et al.
Probl Endokrinol (Mosk) 18:106-10, Nov-Dec 72 (Eng. Abstr.) (Rus)
ENGLISH ABSTRACT/ GUINEA PIGS, immunology/ HUMAN/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY

SECRETORY RATE

A simple technique for measuring thyroxine secretion rate in the mouse. England P, et al.
Acta Endocrinol (Kbh) 72:438-42, Mar 73
ANIMAL EXPERIMENTS/ BLOODLETTING/ IODINE ISOTOPES/ METHODS/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED NZB/ MICE, INBRED STRAINS/ SECRETORY RATE/ TEMPERATURE/ THYROXINE, blood/ *THYROXINE, secretion/ TIME FACTORS

The periodicity of insulin secretion by islets of Langerhans shown by using a new apparatus. Preliminary data. Bessman SP, et al.
Biochem Med 7:97-102, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ DIABETES MELLITUS/ DISEASE MODELS, ANIMAL/ EVALUATION STUDIES/ GLUCOSE, pharmacodynamics/ IMMUNOASSAY/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ METHODS/ MICE/ MICROMANIPULATION, instrumentation/ PERIODICITY/ SECRETORY RATE/ TIME FACTORS

Problems in estimating thyroxine secretion rates in cattle. Swanson EW, et al.
J Dairy Sci 56:195-201, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ DIET/ FEMALE/ INJECTIONS, INTRAVENOUS/ IODINE, administration & dosage/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN-BOUND IODINE TEST, veterinary/ SECRETORY RATE/ *THYROID GLAND, secretion/ *THYROID GLAND FUNCTION TESTS, veterinary/ THYROXINE, administration & dosage/ THYROXINE, blood/ *THYROXINE, secretion

DRUG EFFECTS

[Determination of thyroid hormone secretory rate using the effect of exogenous hormone administration to the thyroid-gland regulating circle] Männchen E.
Z Gesamte Inn Med 27:843-9, 1 Oct 72 (Eng. Abstr.) (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ HALF-LIFE/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ METHODS/ *SECRETORY RATE, drug effects/ THYROID GLAND, secretion/ *THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, secretion/ *THYROXINE, pharmacodynamics/ TIME FACTORS

SPECTROPHOTOMETRY

Radioimmunoassay of progesterone in peripheral plasma of the domestic fowl in various physiological states and in follicular venous plasma. Furr BJ.
Acta Endocrinol (Kbh) 72:89-100, Jan 73
ANIMAL EXPERIMENTS/ CHICKENS/ FEMALE/ GOATS, immunology/ MALE/ METHODS/ OVULATION/ POULTRY/ *PROGESTERONE, blood/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY/ TRITIUM

[Determination of urinary estriol using the E3 kit] Yamada K, et al.
Clin Endocrinol (Tokyo) 20:887-90, Oct 72 (Jap)
*ESTRIOL, urine/ FEMALE/ HUMAN/ METHODS/ SPECTROPHOTOMETRY

SPECTROPHOTOMETRY, INFRARED

Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione. Weinstein A, et al. **Steroids** 20:789-812, Dec 72
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

SPECTROPHOTOMETRY, ULTRAVIOLET

High-pressure liquid chromatography of corticosteroids. Touchstone JC, et al.
J Chromatogr 76:244-7, 7 Feb 73
*ALDOSTERONE, isolation & purification/ *CHROMATOGRAPHY/ *CORTISONE, isolation & purification/ *HYDROCORTISONE, isolation & purification/ METHODS/ PRESSURE/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

SPECTRUM ANALYSIS

Gas chromatography--mass spectrometry assay for prostaglandins. Axen U, et al.
J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

[Evolution of serum prolactin levels during menstrual cycle] Vekemans M, et al.
C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 (Fre)
ADOLESCENCE/ ADULT/ ESTROGENS, metabolism/ FEMALE/ GEL FILTRATION/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ *MENSTRUATION/ METHODS/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ SHEEP/ SPECTRUM ANALYSIS/ TIME FACTORS

AUTHOR SECTION

A

1. **Aantaa K, Forss M, Unnérus CE:** A comparison of urographic and renographic studies in gynaecological cases. Ann Chir Gynaecol Fenn 61:324-7, 1972
CERVIX NEOPLASMS, complications/ COMPARATIVE STUDY/ FEMALE/ GYNECOLOGIC DISEASES, complications/ GYNECOLOGIC NEOPLASMS, complications/ HUMAN/ HYPERTENSION, RENAL, complications/ *KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, etiology/ KIDNEY DISEASES, radiography/ OVARIAN NEOPLASMS, complications/ PREGNANCY/ PREGNANCY TOXEMIAS, complications/ *RADIOISOTOPE RENOGRAPHY/ *URINATION DISORDERS, diagnosis/ URINATION DISORDERS, etiology/ URINATION DISORDERS, radiography/ *UROGRAPHY/ UTERINE NEOPLASMS, complications

2. **Abbott BC, Howarth JV:** Heat studies in excitable tissues. Physiol Rev 53:120-58, Jan 73 (121 ref.)
ACTIN, physiology/ ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BIOMECHANICS/ BIOPHYSICS/ *BODY TEMPERATURE REGULATION/ CALCIUM, metabolism/ CALORIMETRY/ *ELECTRIC ORGAN, physiology/ ELECTROPHYSIOLOGY/ FISHES, physiology/ *HEAT/ HUMAN/ MEMBRANES, physiology/ MUSCLE CONTRACTION/ MUSCLES, metabolism/ *MUSCLES, physiology/ MYOSIN, physiology/ *NERVOUS SYSTEM, physiology/ POTASSIUM, metabolism/ REVIEW/ SODIUM, metabolism

3. **Abbott EC, James VH, Parker RA, et al:** The effect of a sulphated mucopolysaccharide (RO1-8307) on adrenal and kidney morphology and function in the rat. Hormones 3:129-43, 1972
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DIET/ HEPARIN, pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, analysis/ KIDNEY, analysis/ KIDNEY, anatomy & histology/ KIDNEY, drug effects/ *KIDNEY, physiology/ KINETICS/ MALE/ *MUCOPOLYSACCHARIDES, pharmacodynamics/ ORGAN WEIGHT/ POTASSIUM, administration & dosage/ RATS/ RENIN, analysis/ SODIUM, administration & dosage/ STAINS AND STAINING/ STEROIDS, secretion/ *SULFUR, pharmacodynamics/ SWINE/ THYMUS GLAND, drug effects

4. **Abdel-Hameed MF, Neat HJ:** A study on erythrocyte cell volume and number in normal adult and triploid intersex chickens. Poult Sci 51:1376-82, Jul 72
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ *CHICKENS/ CHICKENS, physiology/ ERYTHROCYTE COUNT/ *ERYTHROCYTES/ FEMALE/ HEMATOCRIT/ HERMAPHRODITISM, blood/ HERMAPHRODITISM, familial & genetic/ *HERMAPHRODITISM, veterinary/ KARYOTYPING/ MALE/ *POLYPLOIDY/ *POULTRY DISEASES/ POULTRY DISEASES, blood/ POULTRY DISEASES, familial & genetic

5. **Abdul-Karim RW, Bruce N:** Blood flow to the ovary and corpus luteum at different stages of gestation in the rabbit. Fertil Steril 24:44-7, Jan 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE, blood/ CHROMIUM ISOTOPES/ *CORPUS LUTEUM, blood supply/ FEMALE/ GESTATIONAL AGE/ HYDROGEN-ION CONCENTRATION/ MICROSPHERES/ OVARY, blood supply/ OXYGEN, blood/ *PREGNANCY, ANIMAL/ RABBITS/ REGIONAL BLOOD FLOW/ SCANDIUM/ STRONTIUM ISOTOPES

6. **Abe H, Appert H, Carballo J, et al:** Nonmucosal serotonin in motility of the small bowel when subjected to acute anoxic trauma.
Arch Surg 106:183-7, Feb 73
ANIMAL EXPERIMENTS/ ANOXIA, blood/ ANOXIA, metabolism/ *ANOXIA, physiopathology/ DOGS/ DUODENUM, physiopathology/ ELECTROPHYSIOLOGY/ *GASTROINTESTINAL MOTILITY/ INTESTINES, secretion/ ISCHEMIA, physiopathology/ JEJUNUM, analysis/ JEJUNUM, blood supply/ *JEJUNUM, physiopathology/ MESENTERIC ARTERIES/ MESENTERIC VASCULAR OCCLUSION, physiopathology/ PRESSURE/ SEROTONIN, analysis/ SEROTONIN, blood/ *SEROTONIN, secretion/ TIME FACTORS

7. **Abe K:** [Melanin thesaurismosis with special reference to melanocyte stimulating hormone (MSH) secretion anomalies]
Jap J Clin Med 30:2243-8, Nov 72 (13 ref.) (Jap)
ADDISON'S DISEASE, diagnosis/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, diagnosis/ HUMAN/ *MELANIN/ MSH, blood/ *MSH, secretion/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ *PIGMENTATION DISORDERS, diagnosis/ REVIEW

8. **Abe T, Endo M, Yosizawa Z:** Study on the uterine mucosubstances accompanying the infertility effect of an intrauterine device.
Clin Chim Acta 42:29-35, Nov 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ GLYCOPROTEINS, biosynthesis/ *GLYCOPROTEINS, metabolism/ HEXOSAMINES, metabolism/ HISTOCYTOCHEMISTRY/ *INTRAUTERINE DEVICES/ *MUCOPOLYSACCHARIDES, metabolism/ PROGESTERONE, pharmacodynamics/ RABBITS/ SULFURIC ACIDS, biosynthesis/ UTERUS, metabolism

9. **Abe T, Ichikawa Y, Yamasaki K, et al:** Plasma corticosterone level in runt disease.
J Natl Cancer Inst 48:119-23, Jan 72
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *HOMOLOGOUS WASTING DISEASE, blood/ HOMOLOGOUS WASTING DISEASE, etiology/ HOMOLOGOUS WASTING DISEASE, immunology/ MALE/ RATS/ SPLEEN, transplantation/ STRESS, physiopathology/ TRANSPLANTATION, HOMOLOGOUS

10. **Abell E, Munro DD:** Intralesional treatment of alopecia areata with triamcinolone acetonide by jet injector.
Br J Dermatol 88:55-9, Jan 73
*ALOPECIA AREATA, drug therapy/ HUMAN/ INJECTIONS, JET/ INJECTIONS, JET, adverse effects/ TRIAMCINOLONE ACETONIDE, administration & dosage/ *TRIAMCINOLONE ACETONIDE, therapeutic use

11. **Aberg G, Andersson R:** Studies on mechanical actions of mepivacaine (Carbocaine) and its optically active isomers on isolated smooth muscle: role of Ca ++ and cyclic AMP.
Acta Pharmacol Toxicol (Kbh) 31:321-36, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ COLON, drug effects/ FEMALE/ GLYCOGEN PHOSPHORYLASE, metabolism/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HUMAN/ MALE/ *MEPIVACAINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, enzymology/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PORTAL VEIN, drug effects/ POTASSIUM,

pharmacodynamics/ SOTALOL, pharmacodynamics/ STEREOISOMERS/ STRONTIUM, pharmacodynamics

12. **Abramets II:** Izmenenie reaktsionnoĭ sposobnosti al'fa-adrenoretseptorov gladkikb mysbts pod deĭstviem katekbolaminov.
Farmakol Toksikol 36:32-6, Jan-Feb 73 (Rus)
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CADMIUM, pbarmacodynamics/ CHLORIDES, pharmacodynamics/ COLD/ DINITROPHENOLS, pharmacodynamics/ ENGLISH ABSTRACT/ ERGOT ALKALOIDS, HYDROGENATED, antagonists & inbibitors/ IN VITRO/ IODOACETATES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLE, SMOOTH, innervation/ *NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ RATS/ *RECEPTORS, NEURAL, drug effects/ SEROTONIN, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TESTIS, drug effects

13. **Abrams RM, Caton D, Bazer FW:** Effect of estrogen on vaginal blood flow in ewes.
Am J Obstet Gynecol 113:681-5, 1 Jul 72
ANIMAL EXPERIMENTS/ AORTA, ABDOMINAL/ BLOOD FLOW VELOCITY/ BODY TEMPERATURE/ ESTRONE, administration & dosage/ *ESTRONE, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ OVARY, surgery/ *REGIONAL BLOOD FLOW, drug effects/ SHEEP/ UTERUS/ VAGINA/ *VAGINA, blood supply

14. **Abreau CM, Azizi F, Vagenakis AG, et al:** Clinical evaluation of a new indirect indicator of serum-free tbyroxine concentration. J Nucl Med 14:159-63, Mar 73
FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES/ MALE/ PREGNANCY/ SERUM GLOBULINS/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN

15. **Abrol BM, Kapur BM, Raveendran M:** Penetrating neck injury (an unusual automobile accident).
J Laryngol Otol 86:1253-9, Dec 72
ACCIDENTS, TRAFFIC/ ADRENAL CORTEX HORMONES, tberapeutic use/ ADULT/ EDEMA, prevention & control/ FOREIGN BODIES/ HUMAN/ MALE/ *NECK, injuries/ NECK, surgery/ PHARYNX, injuries/ PHARYNX, surgery/ POSTOPERATIVE COMPLICATIONS, prevention & control/ TRACHEOTOMY

16. **Achenbach H, Urbaszek W:** Kobalteffekte im Organismus mit besonderer Berücksicbtigung der Herz-Kreislaufwirkung.
Z Gesamte Inn Med 27:809-16, 1 Oct 72 (133 ref.) (Ger)
ANIMAL EXPERIMENTS/ BLOOD COAGULATION, drug effects/ COBALT, adverse effects/ COBALT, metabolism/ *COBALT, pharmacodynamics/ COBALT, poisoning/ COBALT, tberapeutic use/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, drug effects/ GUINEA PIGS/ HEART, drug effects/ HEART FAILURE, CONGESTIVE, cbemically induced/ HEMATOPOIETIC SYSTEM, drug effects/ HUMAN/ LIPIDS, metabolism/ MYOCARDIUM, metabolism/ NEUROMUSCULAR JUNCTION, drug effects/ RABBITS/ RATS/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ THYROID GLAND, drug effects

17. **Acosta AA, Madeira LB, Besch PK, et al:** Additional observations on bydrochlorothiazide interference witb measurement of total urinary placental estrogens. Clin Cbem 19:261-3, Feb 73
ESTRIOL, urine/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *HYDROCHLOROTHIAZIDE, pharmacodynamics/ METHODS/ *PLACENTA/ PREGNANCY

18. **Adadevoh BK, Dada OA:** Effect of intrauterine coppe on the uptake of estradiol-C 14 by rat tissues
Fertil Steril 24:54-9, Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *COPPER, pharmacodynamics/ *ESTRADIOL, metabolism/ FEMALE/ *INTRAUTERINE DEVICES/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ NIDATION, drug effects/ OVARY, physiology/ RATS/ *UTERUS, drug effects/ UTERUS, metabolism

19. **Adams MM:** Cholera: new aids in treatment an prevention. Science 179:552-5, 9 Feb 73 (5 ref.
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbysiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BICARBONATES, tberapeutic use/ BIOLOGICAL TRANSPORT, ACTIVE/ BODY WATER, metabolism/ CHOLERA, enzymology/ CHOLERA, immunology/ *CHOLERA, prevention & control/ CHOLERA VACCINE/ DOGS/ GLUCOSE, tberapeutic use/ HUMAN/ IMMUNIZATION/ INTESTINES, metabolism/ MICE/ POTASSIUM CHLORIDE, therapeutic use/ PROSTAGLANDINS, pbysiology/ REVIEW/ SODIUM, metabolism/ SODIUM CHLORIDE, tberapeutic use/ TOXINS/ TOXOIDS

20. **Adams RN:** Stein and Wise tbeory of scbizopbrenia: possible mechanism for 6-hydroxydopamine formation in vivo. Behav Biol 7:861-6, Dec 72
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ BRAIN CHEMISTRY/ DOPAMINE, metabolism/ DOPAMINE BETA HYDROXYLASE, metabolism/ GUINEA PIGS/ HUMAN/ *HYDROXYDOPAMINE, biosynthesis/ HYDROXYLATION/ HYPOTHALAMUS, drug effects/ MODELS, BIOLOGICAL/ NOREPINEPHRINE, metabolism/ OXIDATION-REDUCTION/ QUINONES, metabolism/ RATS/ RECEPTORS, DRUG, drug effects/ SCHIZOPHRENIA, enzymology/ *SCHIZOPHRENIA, etiology

21. **(Addison T), Sharma OP:** Thomas Addison; teacher diagnostician and chest pbysician. Cbest 63:125, Jan 7
*ADDISON'S DISEASE, history/ APPENDICITIS, history/ *DIAGNOSIS, history/ *EDUCATION, MEDICAL, history/ ENGLAND/ FATTY LIVER, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ *THORACIC DISEASES, history

22. **Addleman W:** Cancer, cbolesterol and cholestyramine
N Engl J Med 287:1047, 16 Nov 72
AGED/ *CHOLESTEROL, metabolism/ *CHOLESTYRAMINE, tberapeutic use/ FEMALE/ HUMAN/ MALE/ NEOPLASMS, drug therapy/ NEOPLASMS, metabolism/ *OVARIAN NEOPLASMS, drug tberapy/ *PROSTATIC NEOPLASMS, drug tberapy

23. **Adelman RC, Freeman C, Cohen BS:** Enzyme adaptation as a biochemical probe of development an aging. Adv Enzyme Regul 10:365-82, 1972 (53 ref.
*AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ BLOOD SUGAR/ CORTICOTROPIN, pharmacodynamics/ DIET/ FEMALE/ *GLUCOKINASE, biosyntbesis/ GLUCOSE/ LIPOAMIDE DEHYDROGENASE, biosyntbesis/ LIVER, metabolism/ MALE/ NADP/ *OXIDOREDUCTASES, biosyntbesis/ PHENOBARBITAL, pharmacodynamics/ PITUITARY HORMONES, metabolism/ PREGNANCY/ RATS/ REVIEW/ TIME FACTORS/ TRITIUM/ *TYROSINE AMINOTRANSFERASE, biosyntbesis

24. **Adjiman M, Abouiker P:** Un cas de guérison spontané d'un cancer secondaire de la vessie.
J Urol Nepbrol (Paris) 78:723-6, Jul-Aug 72 (Fre
BIOPSY/ *BLADDER NEOPLASMS/ BLADDER NEOPLASMS, surgery/ CASE REPORT/ CYSTOSCOPY/ FEMALE/ HUMAN/ MIDDLE

AGE/ *NEOPLASM REGRESSION, SPONTANEOUS/ OVARIAN NEOPLASMS/ *POLYPS/ POLYPS, surgery

25. **Agadzhanova TA:** Aksodendriticheskie sinapsy s subsinapticheskimi telami v gipotalamuse krysy. Dokl Akad Nauk SSSR 208:487-9, 11 Jan 73 (Rus)
ANIMAL EXPERIMENTS/ AXONS/ DENDRITES/ ENDOPLASMIC RETICULUM/ *HYPOTHALAMUS, cytology/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NEUROGLIA/ POLYRIBOSOMES/ RATS/ *SYNAPSES, cytology/ SYNAPTIC MEMBRANES/ SYNAPTIC VESICLES

26. **Agam G, Gutman A:** Synthesis of glycogen in leucocytes from various precursors. Rev Eur Etud Clin Biol 17:650-6, Aug-Sep 72
ALANINE, metabolism/ CARBON ISOTOPES/ DIABETES MELLITUS, metabolism/ GLUCOCORTICOIDS, pharmacodynamics/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ *GLYCOGEN, biosynthesis/ GLYCOGENOSIS, metabolism/ GLYCOLYSIS/ GLYCOLYSIS, drug effects/ HEXOSEDIPHOSPHATASE/ HUMAN/ LEUKOCYTES, enzymology/ *LEUKOCYTES, metabolism/ PYRUVATES, metabolism

27. **Agar A, Büttinghaus K:** Ureterveränderungen nach gynäkologischen Operationen. Zentralbl Gynaekol 94:1632-4, 25 Nov 72 (Ger)
FALLOPIAN TUBE NEOPLASMS, surgery/ FEMALE/ HUMAN/ *HYSTERECTOMY, adverse effects/ LIGATION/ OVARIAN NEOPLASMS, surgery/ URETERAL DISEASES, diagnosis/ *URETERAL DISEASES, etiology/ UROGRAPHY

28. **Agarwal KN:** Radiographic changes in iron deficiency anaemia. Indian Pediatr 9:361-2, Jul 72
ANEMIA, HYPOCHROMIC, complications/ *ANEMIA, HYPOCHROMIC, radiography/ HAND, radiography/ HUMAN/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ SKULL, radiography

29. **Aghajanian GK, Haigler HJ, Bloom FE:** Lysergic acid diethylamide and serotonin: direct actions on serotonin-containing neurons in rat brain. Life Sci [I] 11:615-22, 1 Jul 72
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN, metabolism/ BROMINE/ DEPRESSION, CHEMICAL/ FLUORESCENCE/ GLUTAMATES, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ IONTOPHORESIS/ LYSERGIC ACID DIETHYLAMIDE, administration & dosage/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ STEREOTAXIC TECHNICS/ STIMULATION, CHEMICAL

30. **Agostini B, Taugner G:** The membrane of the catecholamine storage vesicles of the adrenal medulla. Correlation of ultrastructure with biochemical properties. Histochemie 33:255-72, 1973
ADENOSINE TRIPHOSPHATASE, analysis/ *ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, enzymology/ ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CATTLE/ CELL MEMBRANE/ HISTOCYTOCHEMISTRY/ MITOCHONDRIA/ SUCCINATE DEHYDROGENASE, analysis

31. **Agthe O:** Sammelreferat: Die endokrine Regulation der Geburt bei Rind, Schaf und Ziege. Dtsch Tieraerztl Wochenschr 80:64-8, 1 Feb 73 (57 ref.) (Ger)
ADRENAL CORTEX HORMONES, physiology/ ANIMAL EXPERIMENTS/ CATTLE/ CORTICOTROPIN, physiology/ ESTROGENS, physiology/ FEMALE/ GOATS/ *HORMONES, physiology/ *LABOR/ OXYTOCIN, physiology/ PREGNANCY/ PROGESTERONE, physiology/ PROSTAGLANDINS, physiology/ REVIEW/ SHEEP/ *VETERINARY MEDICINE

32. **Aguilar E, Durán JM, Solis RA, et al:** Oxidative metabolism of the limbic system in prepuberal rats. Experientia 28:1490-1, 15 Dec 72
AGE FACTORS/ AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ LIMBIC SYSTEM, drug effects/ *LIMBIC SYSTEM, metabolism/ MALE/ *OXYGEN CONSUMPTION/ RATS/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics

33. **Ahmed J:** A method for the determination of plasma testosterone by competitive protein-binding after chromatography on sephadex LH-20. Clin Chim Acta 43:371-8, 12 Feb 73
ADULT/ AMMONIUM SULFATE/ *BINDING, COMPETITIVE/ CHROMATOGRAPHY/ ENDOCRINE DISEASES, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ *PROTEIN BINDING/ SOLVENTS/ *TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TRITIUM

34. **Aiken JW:** Aspirin and indomethacin prolong parturition in rats: evidence that prostaglandins contribute to expulsion of fetus. Nature 240:21-5, 3 Nov 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ASPIRIN, administration & dosage/ *ASPIRIN, adverse effects/ BIOLOGICAL ASSAY/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FETAL DEATH, chemically induced/ GESTATIONAL AGE/ HEMORRHAGE, POSTPARTUM, chemically induced/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, adverse effects/ *LABOR COMPLICATIONS, chemically induced/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ RATS/ UTERUS, drug effects/ UTERUS, metabolism

35. **Aiken JW, Vane JR:** Intrarenal prostaglandin release attenuates the renal vasoconstrictor activity of angiotensin. J Pharmacol Exp Ther 184:678-87, Mar 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTHRANILIC ACID, pharmacodynamics/ BLOOD PRESSURE, drug effects/ DOGS/ DRUG SYNERGISM/ FEMALE/ HINDLIMB, blood supply/ INDOMETHACIN, pharmacodynamics/ KIDNEY, blood supply/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW, drug effects/ RENAL ARTERY, drug effects

36. **Akagi K, Iida H, Nakashima T, et al:** [Familial hyperparathyroidism] J Jap Soc Intern Med 62:47-53, Jan 73 (Jap)
ADULT/ HUMAN/ *HYPERPARATHYROIDISM, familial & genetic/ MALE

37. **Akbar AM, Stormshak F, Lee DJ:** Estradiol inhibition of ovine luteal progesterone synthesis in vitro. J Anim Sci 35:1206-9, Dec 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ *CORPUS LUTEUM, metabolism/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IN VITRO/ PREGNENOLONE, metabolism/ PROGESTERONE, analysis/ *PROGESTERONE, biosynthesis/ *SHEEP, metabolism/ TISSUE CULTURE

38. **Akhmetov IZ:** Vozrastnye osobennosti funktsional'noĭ aktivnosti sbchitovidnoĭ zhelezy u gryzunov. Zh Evol Biokhim Fiziol 8:210-2, Mar-Apr 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FECES, metabolism/ IODINE, metabolism/ IODINE, urine/ IODINE ISOTOPES, diagnostic use/ RABBITS/ RATS/

*RODENTS, physiology/ THYROID GLAND, growth & development/ *THYROID GLAND, physiology

39. **Akil H, Mayer DJ, Liebeskind JC:** Mécanismes monoaminergiques impliqués dans l'analgésie produite par stimulation du tronc cérébral chez le rat.
J Physiol (Paris) 65:Suppl:185A, Oct 72 (Fre)
*ANALGESIA/ ANIMAL EXPERIMENTS/ BRAIN STEM, drug effects/ *BRAIN STEM, physiology/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ ELECTRIC STIMULATION/ MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ NEURONS, physiology/ RATS/ SEROTONIN, metabolism/ *TETRABENAZINE, pharmacodynamics

40. **Akisada M, Fujimoto Y:** Tissue concentration of 131 I-toluidine blue O in rats and dogs with special reference to the parathyroid concentration by intracardiac and intravenous administration.
Nippon Acta Radiol 32:534-9, Sep 72
ANIMAL EXPERIMENTS/ DOGS/ *DYES, administration & dosage/ HEART VENTRICLE/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ *PARATHYROID GLANDS, metabolism/ *PHENOTHIAZINES, administration & dosage/ RADIOISOTOPE SCANNING/ RATS/ SPECIES SPECIFICITY/ TOLUIDINE BLUE O, administration & dosage/ TOLUIDINE BLUE O, metabolism

41. **Akiyama S, Moritsuka T, Kadoma T, et al:** [Long-term administration of Gestanon in placental insufficiency]
Clin Endocrinol (Tokyo) 20:747-50, Sep 72 (Jap)
ABORTION, THREATENED, drug therapy/ ADULT/ *ESTRANES, administration & dosage/ ESTRANES, therapeutic use/ ESTRIOL, urine/ FEMALE/ HUMAN/ *PLACENTA DISORDERS, drug therapy/ PLACENTA PRAEVIA, drug therapy/ PREGNANCY/ PREGNANCY TOXEMIAS, drug therapy

42. **Alanko K, Poppius H:** Anticholinergic blocking of prostaglandin-induced bronchoconstriction.
Br Med J 1:294, 3 Feb 73
ADOLESCENCE/ ADULT/ AGED/ ASTHMA, physiopathology/ *BRONCHI, drug effects/ CONSTRICTION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PARASYMPATHOLYTICS, pharmacodynamics/ *PROSTAGLANDINS, antagonists & inhibitors/ SPIROMETRY

43. **Albrich W, Schmid KO, Friehs G, et al:** Das Castleman-Lymphom.
Virchows Arch [Pathol Anat] 358:163-71, 1973 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA/ *LYMPH NODES, pathology/ MALE/ *MEDIASTINAL DISEASES, pathology/ MEDIASTINUM, pathology/ MIDDLE AGE/ NOMENCLATURE/ SEX FACTORS/ SYNDROME/ THYMUS NEOPLASMS, pathology

44. **Aleksandrova AE:** Izmenenila intensivnosti anaerobnogo okisleniia uglevodov pod vliianiem gutimina.
Farmakol Toksikol 35:592-5, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ ANOXIA, blood/ *ANOXIA, drug therapy/ ANOXIA, metabolism/ BLOOD SUGAR, metabolism/ BRAIN, enzymology/ CEREBRAL ANOXIA, blood/ *CEREBRAL ANOXIA, drug therapy/ CEREBRAL ANOXIA, metabolism/ CEREBRAL CORTEX, metabolism/ ENGLISH ABSTRACT/ GLYCOGEN, metabolism/ *GUANINE, therapeutic use/ LACTATE DEHYDROGENASE, blood/ LACTATE DEHYDROGENASE, metabolism/ LACTATES, blood/ LACTATES, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ PYRUVATES, blood/ RATS/ *THIOUREA, therapeutic use

45. **Aleksandrowicz Z, Swierczyński J, Zelewski L:** Effect of progesterone on respiration and oxidative phosphorylation.
Eur J Biochem 31:300-7, 4 Dec 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CALCIUM/ DEPRESSION, CHEMICAL/ DINITROPHENOLS/ EDTA/ *ELECTRON TRANSPORT, drug effects/ IN VITRO/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ *OXIDATIVE PHOSPHORYLATION, drug effects/ OXIDATIVE PHOSPHORYLATION COUPLING FACTORS/ OXYGEN CONSUMPTION, drug effects/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, pharmacodynamics/ RATS/ SUCCINATES, metabolism/ TYROTHRICIN/ ULTRASONICS/ UNCOUPLING AGENTS, pharmacodynamics/ VIBRATION

46. **Alevizaki CC, Gonticas SC, Ikkos DG:** Peripheral metabolism of thyroxine and triiodothyronine in endemic goitre.
Nucl Med (Stuttg) 11:281-90, 15 Nov 72
ADULT/ FEMALE/ *GOITER, ENDEMIC, metabolism/ GREECE/ HALF-LIFE/ HUMAN/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ RADIOCHEMISTRY/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism

47. **Alexander M, Perachio AA:** The influence of target sex and dominance on evoked attack in Rhesus monkeys.
Am J Phys Anthropol 38:543-7, Mar 73
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ ESTROGENS, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, physiology/ LOCOMOTION/ *MACACA/ MALE/ MONKEYS/ OVARY, physiology/ *SOCIAL DOMINANCE

48. **Alfaro B, Heaton FW:** Relationships between copper, zinc and iron in the plasma, soft tissues and skeleton of the rat during Cu deficiency.
Br J Nutr 29:73-85, Jan 73
ANEMIA, HYPOCHROMIC, etiology/ ANIMAL EXPERIMENTS/ BIOMETRY/ *BONE AND BONES, analysis/ COPPER, blood/ *DEFICIENCY DISEASES, metabolism/ FEMUR, analysis/ FEMUR, anatomy & histology/ HEMOGLOBINOMETRY/ HOUSING, ANIMAL/ *IRON, analysis/ IRON, blood/ KIDNEY, analysis/ LIVER, analysis/ MALE/ PHOTOMETRY/ RATS/ SPLEEN, analysis/ *ZINC, analysis/ ZINC, blood

49. **Alkalay D, Khemani L, Bartlett MF:** Spectrophotofluorometric determination of methyltestosterone in plasma or serum.
J Pharm Sci 61:1746-9, Nov 72
ADMINISTRATION, ORAL/ ANDROGENS/ ASCORBIC ACID/ BIOPHARMACEUTICS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HALF-LIFE/ HUMAN/ HYDROCHLORIC ACID/ METHODS/ METHYLTESTOSTERONE, administration & dosage/ *METHYLTESTOSTERONE, blood/ PEROXIDES/ PILOT PROJECTS

50. **Allaiouf D, Ber A, Ishay J:** Hyaluronidase activity of extracts of venom sacs of a number of Vespinae (Hymenoptera).
Comp Biochem Physiol [B] 43:119-23, 15 Sep 72
ANIMAL EXPERIMENTS/ CATTLE/ CHONDROITIN/ COLORIMETRY/ DENSITOMETRY/ *HYALURONIDASE, analysis/ *INSECTS, enzymology/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFURIC ACIDS/ TESTIS, enzymology/ *VENOMS

51. **Allen MC, Foote RH:** The effect of progesterone on the early development of the rabbit embryo.
Fertil Steril 24:220-6, Mar 73
ANIMAL EXPERIMENTS/ *EMBRYO, growth & development/ FEMALE/ FERTILIZATION, drug effects/ NIDATION, drug effects/

OVULATION, drug effects/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TIME FACTORS

52. **Alleyne GA:** Studies on the absorption of halogenated hydrocarbons and their excretion in breath using 38 Cl tracer techniques.
Prog Biochem Pharmacol 7:189-218, 1972 (157 ref.)
ACID-BASE EQUILIBRIUM/ ACIDOSIS, metabolism/ ALDOSTERONE, pharmacodynamics/ ALKALOSIS, metabolism/ AMMONIA, metabolism/ *ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ ANTIBIOTICS, toxicity/ GLUCONEOGENESIS/ GLUCOSE, metabolism/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ LIPIDS, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ PHENFORMIN, pharmacodynamics/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/ PROTEINS, biosynthesis/ REVIEW/ RNA, metabolism

53. **Allikmets LKh, Vakhing VA:** Vliianie antidepressantov na tsentral'nye éffeekty serotonina i noradrenalina.
Farmakol Toksikol 35:649-53, Nov-Dec 72 (Rus)
*AMITRIPTYLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BENACTYZINE, pharmacodynamics/ *BRAIN, drug effects/ CATS/ COMPARATIVE STUDY/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HYPOTHALAMUS, drug effects/ *IMIPRAMINE, pharmacodynamics/ MESENCEPHALON, drug effects/ *METHOTRIMEPRAZINE, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ PROMAZINE, pharmacodynamics/ REACTION TIME/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL

54. **Allison AJ:** A comparison of the transport of spermatozoa in spayed and entire ewes.
J Reprod Fertil 31:415-23, Dec 72
ANIMAL EXPERIMENTS/ ATROPHY/ *CASTRATION/ *CELL MOVEMENT/ CERVIX UTERI/ ENDOMETRIUM, pathology/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FALLOPIAN TUBES/ FEMALE/ INSEMINATION, ARTIFICIAL/ PROGESTERONE, pharmacodynamics/ *SHEEP, physiology/ *SPERMATOZOA, physiology/ TIME FACTORS/ UTERUS/ VAGINA

55. **Almăşan E, Rebedea D:** Prostaglandineie.
Med Interna (Bucur) 24:1183-92, Oct 72 (Rum)
ANIMAL EXPERIMENTS/ CARDIOVASCULAR SYSTEM, drug effects/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ METABOLISM, drug effects/ MUSCLE, SMOOTH, drug effects/ NERVOUS SYSTEM, drug effects/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ URINARY TRACT, drug effects

56. **Almqvist S, Algvere P:** Hypothyroidism in progressive ophthalmopathy of Graves' disease.
Acta Ophthalmol (Kbh) 50:761-70, 1972
ADULT/ AGED/ CARBIMAZOLE, adverse effects/ *EYE DISEASES, etiology/ EYE DISEASES, surgery/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, radiotherapy/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, etiology/ *IODINE ISOTOPES, adverse effects/ MALE/ MIDDLE AGE/ ORBIT, surgery/ PITUITARY GLAND FUNCTION TESTS/ RECURRENCE/ RETROSPECTIVE STUDIES/ THYROID GLAND FUNCTION TESTS/ *THYROIDECTOMY, adverse effects/ THYROTROPIN, blood

57. **Aloia JF, Di Figlia M, Capelli J, et al:** Chlorpropamide in diabetes insipidus. Am J Med Sci 264:225-32, Sep 72
ADULT/ ALCOHOL, ETHYL, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ *CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ *KIDNEY, drug effects/ KIDNEY GLOMERULUS, drug effects/ MALE/ MIDDLE AGE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, secretion/ THIAZINES, pharmacodynamics/ VASOPRESSIN, secretion/ WATER-ELECTROLYTE BALANCE, drug effects

58. **Althoff H:** Der plötzliche und unerwartete Tod von Säuglingen und Kleinkindern. Forensisch-medizinische Erfahrungen, Untersuchungen und Deutungen eines allgemein-medizinischen Problems.
Veroeff Morphol Pathol 91:1-107, 1972 (Ger)
AGE FACTORS/ AIRWAY OBSTRUCTION, complications/ ANOXIA, etiology/ AUTOPSY/ BRAIN EDEMA, etiology/ CENTRAL NERVOUS SYSTEM, pathology/ CHILD, PRESCHOOL/ COMMUNICABLE DISEASES, complications/ *DEATH, SUDDEN/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERSENSITIVITY, complications/ INFANT/ INTESTINAL DISEASES, complications/ LYMPHATIC SYSTEM, physiopathology/ MALE/ MEDICAL HISTORY TAKING/ OTITIS MEDIA, complications/ PARATHYROID GLANDS, abnormalities/ PULMONARY EDEMA, pathology/ REGURGITATION, GASTRIC, complications/ RESPIRATORY SYSTEM, pathology/ RICKETS, complications/ SEASONS/ SEX FACTORS/ THYMUS GLAND, physiopathology

59. **Altshuler G:** Toxoplasmosis as a cause of hydranencephaly. Am J Dis Child 125:251-2, Feb 73
*ANENCEPHALUS, etiology/ ANENCEPHALUS, pathology/ ANTIBODIES, analysis/ AUTOPSY/ BRAIN, pathology/ EDEMA, etiology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEPATOMEGALY, etiology/ HUMAN/ INFANT, NEWBORN/ PLACENTA, pathology/ PLACENTA DISORDERS, etiology/ PLACENTA DISORDERS, pathology/ PREGNANCY/ SPLENOMEGALY, etiology/ *TOXOPLASMOSIS, CONGENITAL, complications/ TOXOPLASMOSIS, CONGENITAL, immunology/ TOXOPLASMOSIS, CONGENITAL, pathology

60. **Altshuler G, McAdams AJ:** The role of the placenta in fetal and perinatal pathology. Highlights of an eight months' study.
Am J Obstet Gynecol 113:616-26, 1 Jul 72
*ABNORMALITIES, etiology/ *ABORTION, etiology/ ANENCEPHALUS, etiology/ AUTOPSY/ *DISEASES IN TWINS/ DWARFISM, etiology/ ESCHERICHIA COLI INFECTIONS, pathology/ FEMALE/ FETAL DEATH, etiology/ GESTATIONAL AGE/ HEMANGIOMA, pathology/ HUMAN/ HYDROCEPHALUS, etiology/ INFANT MORTALITY/ INFANT, NEWBORN/ *LABOR, PREMATURE, etiology/ LEUKOCYTES/ LYMPHOCYTES/ MALE/ *PLACENTA, pathology/ PLACENTA DISORDERS/ *PLACENTA DISORDERS, complications/ PREGNANCY/ SYPHILIS, pathology/ UMBILICAL ARTERIES, abnormalities

61. **Alvarez MB, Johnson HD:** Environmental heat exposure on cattle plasma catecholamine and glucocorticoids. J Dairy Sci 56:189-94, Feb 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *CATECHOLAMINES, blood/ *CATTLE, physiology/ ENVIRONMENTAL EXPOSURE/ EPINEPHRINE, blood/ FEMALE/ *GLUCOCORTICOIDS, blood/ *HEAT/ HYDROCORTISONE, blood/ NOREPINEPHRINE, blood/ RECTUM/ TIME FACTORS

62. **Alvarez Cervera J, Espejel de Veites B, Skromne-Kadiubik G:** On the preparation of dichlorodiphenyldichloroethane- 131 I (DDD- 131 I). Int J Appl Radiat Isot 24:187, Mar 73
ADRENAL GLAND DISEASES, diagnosis/ *DDD/ DRUG STABILITY/ *IODINE ISOTOPES/ ISOTOPE LABELING/ RADIOISOTOPE SCANNING

63. **Amaki Y, Uchida M, Kobayashi K:** [Clinical study of pancuronium bromide--cumulation effect and interaction with halothane]
Jap J Anesthesiol 21:1227-31, Nov 72 (Jap)
ADULT/ *ANDROSTANES, pharmacodynamics/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, pharmacodynamics/ DRUG SYNERGISM/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ FEMALE/ *HALOTHANE, pharmacodynamics/ HUMAN/ PANCURONIUM, pharmacodynamics/ TUBOCURARINE, pharmacodynamics/ ULNAR NERVE, drug effects

64. **Ambache N, Dunk LP, Verney J, et al:** Inhibition of post-ganglionic motor transmission in vas deferens by indirectly acting sympathomimetic drugs.
J Physiol (Lond) 227:433-56, Dec 72
ANIMAL EXPERIMENTS/ ANTHRANILIC ACID, pharmacodynamics/ *AUTONOMIC FIBERS, POSTGANGLIONIC, drug effects/ COCAINE, antagonists & inhibitors/ COCAINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MALE/ MOTOR NEURONS, drug effects/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, secretion/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ RESERPINE, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ TOLUENE, pharmacodynamics/ TYRAMINE, antagonists & inhibitors/ TYRAMINE, pharmacodynamics/ *VAS DEFERENS, innervation

65. **Amer MS:** Cyclic adenosine monophosphate and hypertension in rats. Science 179:807-9, 23 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ AORTA, analysis/ AORTA, enzymology/ *AORTA, metabolism/ HYPERTENSION, enzymology/ HYPERTENSION, etiology/ HYPERTENSION, familial & genetic/ *HYPERTENSION, metabolism/ INBREEDING/ KINETICS/ MUSCLE, SMOOTH, metabolism/ PHOSPHODIESTERASES, metabolism/ RATS/ RATS, INBRED STRAINS/ RODENT DISEASES, familial & genetic/ STRESS

66. **Amirhakimi GH:** Rickets in a developing country. Observations of general interest from Southern Iran.
Clin Pediatr (Phila) 12:88-92, Feb 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ BODY HEIGHT/ BODY WEIGHT/ CALCIUM, blood/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ IRAN/ KNEE, radiography/ MALE/ PHOSPHORUS, blood/ *RICKETS/ RICKETS, blood/ RICKETS, complications/ RICKETS, drug therapy/ RICKETS, enzymology/ RICKETS, prevention & control/ RICKETS, radiography/ SUNLIGHT/ THORACIC RADIOGRAPHY/ VITAMIN D, therapeutic use/ WRIST, radiography

67. **Amstel WJ van:** Het feochromocytoom.
Tijdschr Ziekenverpl 25:1300-5, 12 Dec 72 (Dut)
PHEOCHROMOCYTOMA/ SPECIAL LIST NURSING

68. **Ananthakrishnan R, Beck W, Walter H:** Polymorphism of mitochondrial glutamic oxalo-acetic transaminase in a German population. Humangenetik 17:89-90, 1972
*ASPARTATE AMINOTRANSFERASE, analysis/ CAUCASIAN RACE/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ GENE FREQUENCY/ GENETICS, POPULATION/ GERMANY, WEST/ HUMAN/ *MITOCHONDRIA, enzymology/ PLACENTA, enzymology/ *POLYMORPHISM (GENETICS)/ PREGNANCY

69. **Anastasia JV, McCarl RL:** Effects of cortisol o cultured rat heart cells: lipase activity, fatty aci oxidation, glycogen metabolism, and ATP levels a related to the beating phenomenon.
J Cell Biol 57:109-16, Apr 73
*ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CELL MOVEMENT/ CELLS, CULTURED/ GLUCOSE, analysis/ GLUCOSE, metabolism/ GLYCOGEN, analysis/ *GLYCOGEN, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *LIPASE, metabolism/ MYOCARDIUM, analysis/ *MYOCARDIUM, cytology/ OXIDATIVE PHOSPHORYLATION/ *PALMITI ACID, metabolism/ RATS/ TIME FACTORS

70. **Ančić V, Pejin D, Kovač T, et al:** Uporedni prika vrednosti Read-ove formule bazalnog metabolizma funkcionih testova tireoidne žlezde.
Med Pregl 25:249-50, 1972 (Ser
BASAL METABOLISM/ HUMAN/ METHODS/ *THYROID GLAND FUNCTION TESTS, standards

71. **Anderson GG, Hobbins JC, Speroff L, et al:** Intravenou prostaglandins E 2 and F 2 and syntocinon for th induction of term labor. J Reprod Med 9:287-91, Dec 7
CESAREAN SECTION/ DEHYDROEPIANDROSTERONE, blood/ DELIVERY/ ESTRADIOL, blood/ ESTRIOL, blood/ ESTRONE, blood/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ MUSCLE CONTRACTION drug effects/ *OXYTOCIN, administration & dosage/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ UTERUS, drug effects

72. **Anderson GG, Hobbins JC, Rajkovic V, et al:** Midtrimester abortion using intra-amniotic prostaglandin F2 alpha with intravenous Syntocinon
J Reprod Med 9:434-6, Dec 72
*ABORTION, THERAPEUTIC/ AMNIOTIC FLUID/ BLOOD CELL COUNT/ BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, analysis/ DRUG SYNERGISM/ FEMALE/ FIBRINOGEN, analysis/ GESTATIONAL AGE/ HEMATOCRIT/ HUMAN/ INJECTIONS, INTRAVENOUS/ MUSCLE CONTRACTION, drug effects/ *OXYTOCIN/ OXYTOCIN, administration & dosage/ OXYTOCIN, adverse effects/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROTHROMBIN TIME/ UTERUS, drug effects

73. **Anderson GG, Hobbins JC, Speroff L, et al:** Th induction of therapeutic abortion using intravenou prostaglandin F 2 alpha.
Contraception 5:303-11, Apr 72
ABORTION, INDUCED/ ABORTION, INDUCED, adverse effects/ ADULT/ BLOOD PRESSURE/ BODY TEMPERATURE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LIVER FUNCTION TESTS/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH/ PARITY/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ RESPIRATION, drug effects/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects

74. **Anderson KM, Slavik M, Evans AK, et al:**

Androgen-stimulated labelling of chromosomal proteins by isolated prostate nuclei.
Exp Cell Res 77:143-58, 15 Mar 73
AMINO ACIDS, analysis/ *ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CATALYSIS/ *CELL NUCLEUS, drug effects/ CHROMATIN, analysis/ CHROMATOGRAPHY, THIN LAYER/ *CHROMOSOMES, drug effects/ CYPROTERONE, pharmacodynamics/ CYTOSOL, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ISOTOPE LABELING/ LIVER, analysis/ MALE/ METHODS/ MOLECULAR WEIGHT/ NUCLEOPROTEINS, analysis/ *PROSTATE, drug effects/ *PROTEINS, analysis/ RATS/ STIMULATION, CHEMICAL/ SUBCELLULAR FRACTIONS/ TIME FACTORS/ TRITIUM

75. **Anderson MC:** Endometrioid tumor of the ovary with mucinous and serous components.
Am J Obstet Gynecol 113:686-90, 1 Jul 72
*ADENOCARCINOMA, pathology/ ADULT/ CASE REPORT/ *ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ HYPERPLASIA, pathology/ *OVARIAN NEOPLASMS, pathology/ *OVARY, pathology/ UTERINE NEOPLASMS, pathology/ UTERUS, pathology

76. **Anderson NV:** Pancreatitis in dogs.
Vet Clin N Amer 2:79-97, Jan 73 (9 ref.)
ACUTE DISEASE/ AMYLASE, blood/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, therapeutic use/ BLOOD SUGAR, analysis/ CHRONIC DISEASE/ DIABETES MELLITUS, etiology/ DIABETES MELLITUS, veterinary/ *DOG DISEASES/ DOG DISEASES, diagnosis/ DOG DISEASES, drug therapy/ DOG DISEASES, etiology/ DOG DISEASES, radiography/ DOGS/ HEMATOCRIT/ INFUSIONS, PARENTERAL/ INSULIN, therapeutic use/ LIPASE, blood/ PANCREATITIS, complications/ PANCREATITIS, diagnosis/ PANCREATITIS, drug therapy/ PANCREATITIS, etiology/ PANCREATITIS, radiography/ *PANCREATITIS, veterinary/ PREDNISOLONE, therapeutic use/ REVIEW

77. **Andersson KE, Andersson R, Hedner P, et al:** Effect of cholecystokinin on the level of cyclic AMP and on mechanical activity in the isolated sphincter of Oddi.
Life Sci [I] 11:723-32, 1 Aug 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATS/ *CHOLECYSTOKININ, pharmacodynamics/ GLUCAGON, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, enzymology/ MUSCLE, SMOOTH, metabolism/ OLIGOPEPTIDES, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ THEOPHYLLINE, pharmacodynamics/ *VATER'S AMPULLA, drug effects/ VATER'S AMPULLA, metabolism

78. **Andersson R:** Role of cyclic AMP and Ca^{++} in mechanical and metabolic events in isometrically contracting vascular smooth muscle.
Acta Physiol Scand 87:84-95, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUFFERS/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CATTLE/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ ISOPROTERENOL, pharmacodynamics/ MESENTERIC ARTERIES, drug effects/ MESENTERIC ARTERIES, enzymology/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ PHENYLEPHRINE, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STIMULATION, CHEMICAL

79. **Andre CM, James VH:** Assay of plasma dehydroepiandrosterone and its sulphate by competitive protein binding.
Clin Chim Acta 43:295-303, 12 Feb 73
AMMONIUM SULFATE/ ANDROSTENES, blood/ *BINDING, COMPETITIVE/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, isolation & purification/ DRUG STABILITY/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ OXIDATION-REDUCTION/ PRECIPITATION/ PREGNANCY/ *PROTEIN BINDING/ SOLVENTS/ *SULFATES, blood/ TRITIUM

80. **André R, Duhamel G, Najman A, et al:** A propos de l'association: leucémie myéloïde chronique, sarcome ganglionnaire. Etude de deux nouveaux cas.
Nouv Rev Fr Hematol 12:301-15, May-Jun 72 **(Fre)**
ADULT/ BLOOD CELL COUNT/ BUSULFAN, therapeutic use/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HEMOGLOBIN/ HUMAN/ HYDRAZINES, therapeutic use/ HYPERGAMMAGLOBULINEMIA, diagnosis/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKEMIA, MYELOCYTIC, drug therapy/ *LYMPH NODES/ LYMPHOGRAPHY/ MALE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ *SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, drug therapy/ VINBLASTINE, therapeutic use

81. **Andrieux J, Parache RM, Fery M:** Un nouveau cas de tumeur de Krukenberg révélant un cancer vésiculo-cholédocien.
Chirurgie 98:219-23, 1 Mar 72 **(Fre)**
ADULT/ *BILE DUCT NEOPLASMS/ *CARCINOMA, MUCINOUS/ ENGLISH ABSTRACT/ FEMALE/ *GALLBLADDER NEOPLASMS/ HUMAN/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS

82. **Angelescu E, Stoenescu D, Damian A:** Tiroidectomia în tratamentul diferitelor forme de nodul tiroidian unic.
Chirurgia (Bucur) 22:259-68, Mar 73 **(Rum)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE, metabolism/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, surgery/ THYROID GLAND, metabolism/ *THYROIDECTOMY

83. **Angelescu E, Stoenescu D, Damian A, et al:** Chirurgia glandelor endocrine. (Experienţa a 25 de ani.
Stud Cercet Endocrinol 23:377-88, 1972 **(Rum)**
ADRENAL GLAND HYPERFUNCTION, surgery/ ADRENALECTOMY/ *ENDOCRINE DISEASES, surgery/ FEMALE/ GONADS, surgery/ HUMAN/ HYPERPARATHYROIDISM, surgery/ MALE/ PANCREATIC NEOPLASMS, surgery/ PHEOCHROMOCYTOMA, surgery/ THYROID NEOPLASMS, surgery

84. **al-Ani S:** Metastatic tumors to the mouth: report of two cases. J Oral Surg 31:120-2, Feb 73
FEMALE/ HUMAN/ *JAW NEOPLASMS, etiology/ LUNG NEOPLASMS, complications/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ THYROID NEOPLASMS, complications

85. **Anitescu C, Contulesco A:** Etude de l'influence du bruit et des vibrations sur le comportement des catécholamines dans l'agression sonore vibratoire industrielle.
Arch Mal Prof 33:365-72, Jul-Aug 72 **(Fre)**
ADULT/ *CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ HUMAN/

*INDUSTRIAL MEDICINE/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ *NOISE/ SLEEP/ *STRESS, physiopathology/ VANILMANDELIC ACID, urine/ *VIBRATION

86. **Ansbacher R:** The induction of ovulation with FSH and HCG. Milit Med 138:149-51, Mar 73
ADULT/ FEMALE/ FSH, pharmacodynamics/ *FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

87. **Antonova EE, Briskin AI, Konopatskaia VM, et al:** O metode opredeleniia biologicheskoĭ aktivnosti prolaktina.
Probl Endokrinol (Mosk) 18:103-5, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ METHODS/ PIGEONS/ *PROLACTIN, standards

88. **Aoba H, Aita K, Nakagawa K, et al:** The effect of circulatory disturbance on placental alkaline phosphatase in rats.
Tohoku J Exp Med 108:19-23, Sep 72
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ FEMALE/ FETAL DEATH, enzymology/ LIGATION/ PLACENTA, blood supply/ *PLACENTA, enzymology/ PLACENTA DISORDERS, enzymology/ PREGNANCY/ RATS/ UMBILICAL CORD, blood supply/ UTERUS, blood supply

89. **Aonuma S, Koama Y:** [Studies on the submaxillary gland. XIV. Radioimmunoassay of parotin]
J Pharm Soc Jap 92:828-35, Jul 72 (Jap)
ANIMAL EXPERIMENTS/ CALCIUM, blood/ ENGLISH ABSTRACT/ *HORMONES, analysis/ IMMUNE SERUMS/ IODINE ISOTOPES/ LEUKOCYTES/ MALE/ PAROTIN, analysis/ PAROTIN, blood/ PAROTIN, urine/ RABBITS/ *RADIOIMMUNOASSAY/ *SALIVA, analysis

90. **Aoyagi T, Morishima H, Nishizawa R, et al:** Biological activity of pepstatins, pepstanone A and partial peptides on pepsin, catbepsin D and renin.
J Antibiot (Tokyo) 25:689-94, Dec 72
CASEIN/ *CATHEPSIN, antagonists & inhibitors/ CHEMISTRY/ HEMOGLOBIN/ HYDROLYSIS/ *OLIGOPEPTIDES, pharmacodynamics/ *PEPSIN, antagonists & inhibitors/ *PEPTIDES, pharmacodynamics/ *RENIN, antagonists & inhibitors/ TRITIUM

91. **Apelo R, Veloso I:** Clinical experience with microdose D-norgestrel as an oral contraceptive.
Fertil Steril 24:191-7, Mar 73
ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, chemically induced/ *NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ PREGNANCY/ PREGNANCY, UNWANTED

92. **Apfelbaum M, Reinberg A, Assan R, et al:** Persistance des rythmes circadiens de l'insuline, du glucagon et du cortisol plasmatique, ainsi que de la consommation d'oxygène et du quotient respiratoire pendant une restriction calorique par diète protéique.
Ann Endocrinol (Paris) 33:274-7, May-Jun 72 (Fre)
ADOLESCENCE/ ADULT/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM/ *DIET, REDUCING/ ENGLISH ABSTRACT/ FEMALE/ *GLUCAGON, blood/ HUMAN/ *HYDROCORTISONE, blood/ *INSULIN, blood/ METHODS/ NITROGEN, urine/ *OXYGEN CONSUMPTION/ RADIOIMMUNOASSAY/ *RESPIRATION/ RESPIRATORY FUNCTION TESTS

93. **Applewhite RR, Smith LR, DiVincenti F:** Carcinoma of the breast associated with pregnancy and lactation.
Am Surg 39:101-4, Feb 73
ADULT/ *BREAST NEOPLASMS/ BREAST NEOPLASMS, mortality/ BREAST NEOPLASMS, surgery/ FEMALE/ HUMAN/ *LACTATION/ LOUISIANA/ LYMPHATIC METASTASIS/ MASTECTOMY/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ TIME FACTORS

94. **Apter C, Chayen R, Gould S, et al:** Determination of individual urinary 17-ketosteroids as the dansyl-hydrazones. Clin Chim Acta 42:115-8, Nov 72
ANDROSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ DANSYL COMPOUNDS/ DEHYDROEPIANDROSTERONE, urine/ ETHYL ETHER/ ETIOCHOLANOLONE, urine/ FLUORESCENCE SPECTROMETRY/ HYDRAZONES/ HYDROLYSIS/ *17-KETOSTEROIDS, urine/ METHODS/ SOLUBILITY

95. **Aragones JV:** The treatment of blepharitis: a controlled double blind study of combination therapy.
Ann Ophthalmol 5:49-52, Jan 73
BLEPHARITIS, drug therapy/ BLEPHARITIS, pathology/ CLINICAL RESEARCH/ *EYELID DISEASES, drug therapy/ HUMAN/ OPHTHALMIC SOLUTIONS/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ *SULFACETAMIDE, administration & dosage/ SULFACETAMIDE, therapeutic use/ TIME FACTORS

96. **Archbald LF, Schultz RH, Fahning ML, et al:** Sequential morphologic study of the ovaries of heifers injected with exogenous gonadotropins.
Am J Vet Res 34:21-6, Jan 73
ANIMAL EXPERIMENTS/ CATTLE, anatomy & histology/ *CATTLE, physiology/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, drug effects/ ESTRUS, drug effects/ FEMALE/ FSH, pharmacodynamics/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, drug effects/ LH, pharmacodynamics/ OVARY, cytology/ *OVARY, drug effects/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics

97. **Archbold TJ, Aschbacher PW, Tilton JE:** Thyroidal iodine metabolism and uterine-ovarian characteristics of rats and swine treated with methallibure or its metabolites.
J Anim Sci 36:57-60, Jan 73
ADMINISTRATION, ORAL/ ALLYL COMPOUNDS, administration & dosage/ ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ FEMALE/ IODINE, analysis/ IODINE, blood/ *IODINE, metabolism/ IODINE, urine/ IODINE ISOTOPES/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, drug effects/ RATS/ *SWINE, physiology/ THIADIAZOLES, administration & dosage/ THIADIAZOLES, pharmacodynamics/ THIOUREA, administration & dosage/ *THIOUREA, pharmacodynamics/ THYROID GLAND, analysis/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ UTERUS, anatomy & histology/ *UTERUS, drug effects

98. **Archer JA, Gorden P, Gavin JR 3d, et al:** Insulin receptors in human circulating lymphocytes: application to the study of insulin resistance in man.
J Clin Endocrinol Metab 36:627-33, Apr 73
ACROMEGALY, metabolism/ ADULT/ FEMALE/ HUMAN/ HYPOPITUITARISM, metabolism/ *INSULIN, metabolism/ IODINE ISOTOPES/ *LYMPHOCYTES, metabolism/ MALE/ MIDDLE AGE/ OBESITY, metabolism/ RADIOIMMUNOASSAY/ *RECEPTORS, DRUG

99. **Archer RK, Allen BV:** True haemophilia in horses.
Vet Rec 91:655-6, 23 Dec 72
ANIMAL EXPERIMENTS/ FACTOR VIII/ FEMALE/ HEMATOMA, veterinary/ *HEMOPHILIA, veterinary/ *HORSE DISEASES, familial & genetic/ HORSES/ MALE/ SEX CHROMOSOMES

100. **Ardeleanu A, Sterescu N:** Cerebral phospholipid metabolism in relation to age and species. Hormonal influences. Rev Roum Physiol 10:67-73, 1973

AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ *BRAIN, metabolism/ FEMALE/ GUINEA PIGS/ *HYDROCORTISONE, pharmacodynamics/ MALE/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES, metabolism/ RATS/ SODIUM CHLORIDE, pharmacodynamics

101. **Argüelles AE, Martínez MA, Hoffman C, et al:** Corticoadrenal and adrenergic overactivity and hyperlipidemia in prolonged emotional stress. Hormones 3:167-74, 1972
*ADRENAL GLANDS, physiopathology/ ADULT/ CATECHOLAMINES, urine/ CHOLESTEROL, blood/ CORONARY DISEASE, complications/ DEHYDROEPIANDROSTERONE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERLIPEMIA, etiology/ 17-KETOSTEROIDS, urine/ LIPIDS, blood/ LIPOPROTEINS, blood/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, complications/ *STRESS, PSYCHOLOGICAL, complications/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TRIGLYCERIDES, blood

102. **Arimura A, Matsuo H, Baba Y:** [Hypothalamo-hypophysiotrapic hormones. 2] Protein Nucleic Acid Enzyme (Tokyo) 17:620-8, Aug 72 (116 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL FRACTIONATION/ CHEMISTRY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR/ CORTICOTROPIN RELEASING FACTOR, analysis/ ELECTROPHORESIS/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMUS, analysis/ MALE/ MELANIN/ MSH, secretion/ PITUITARY GLAND, POSTERIOR, analysis/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, analysis/ PROLACTIN, secretion/ RATS/ REVIEW/ SOMATOTROPIN/ SWINE

103. **Arimura A, Schally AV:** Physiological and clinical studies with natural and synthetic luteinizing hormone-releasing hormone (LH-RH).
Med J Osaka Univ 23:77-100, Sep 72 (50 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, secretion/ HUMAN/ LH, blood/ *LH, secretion/ MALE/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ REVIEW/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics

104. **Arkhipova OP, Uvarova OA:** Vliianie vitamina D 2 na lechebnyĭ effekt streptomitsina u usloviiakh eksperimental'nogo tuberkuleza.
Antibiotiki 17:654-8, Jul 72 **(Rus)**
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ GUINEA PIGS/ STREPTOMYCIN, pharmacodynamics/ *STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, drug therapy/ VITAMIN D, pharmacodynamics/ *VITAMIN D, therapeutic use

105. **Armstrong MK, Morettin LB:** Radiographic findings in Turner's syndrome. Tex Med 69:95-100, Jan 73
*BONE AND BONES, radiography/ CHILD/ HAND, radiography/ HUMAN/ INFANT, NEWBORN/ KNEE, radiography/ LEG, radiography/ PELVIC BONES, radiography/ RADIUS, radiography/ THORACIC RADIOGRAPHY/ *TURNER'S SYNDROME, radiography/ ULNA, radiography

106. **Armstrong RB, Golinick PD:** The influence of thyroid hormone on rat colonic temperature during exercise.
Int Z Angew Physiol 31:121-6, 1973
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ COLON, drug effects/ *COLON, physiology/ EXERTION/ MALE/ RATS/ *THYROID HORMONES, pharmacodynamics/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics

107. **Arnauld E, Vincent JD, Faure JM:** Stimulations antidromiques et enregistrements unitaires des neurones du noyau supra-optique chez le macaque éveillé. J Physiol (Paris) 65:Suppl:190A, Oct 72 **(Fre)**
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ ELECTRIC STIMULATION/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INJECTIONS, INTRA-ARTERIAL/ MACACA/ MONKEYS/ *NEURONS, physiology/ SODIUM CHLORIDE, pharmacodynamics/ *WAKEFULNESS/ WATER-ELECTROLYTE BALANCE

108. **Arnavaz Z, Chafi-Zadeh M:** Un cas de nécrose aseptique du condyle fémoral à la suite de l'injection de stéroïdes.
Ann Radiol (Paris) 16:111-2, Jan-Feb 73 **(Fre)**
*ADRENAL CORTEX HORMONES, adverse effects/ FEMALE/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ *JOINT DISEASES, chemically induced/ *KNEE JOINT/ MIDDLE AGE/ NECROSIS

109. **Aron-Rosa DS, Doyon DL:** Malformations vasculaires orbitaires (à propos de 62 cas.
Ann Ocul (Paris) 205:667-712, Jun 72 **(Fre)**
ADOLESCENCE/ ADULT/ ANEURYSM, etiology/ CAROTID ARTERIES, abnormalities/ CHILD/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ FEMALE/ *HEMANGIOMA/ HEMANGIOMA, surgery/ HUMAN/ MALE/ MIDDLE AGE/ *ORBIT, blood supply/ *ORBITAL NEOPLASMS/ ORBITAL NEOPLASMS, surgery

110. **Arseni C, Mateescu R, Codreanu D, et al:** Megadozele tiaminice în reanimarea neurochirurgicală.
Chirurgia (Bucur) 22:172-87, Feb 73 **(Rum)**
BRAIN, drug effects/ BRAIN, surgery/ CARDIOVASCULAR SYSTEM, drug effects/ *COMA, drug therapy/ COMA, etiology/ ENDOCRINE GLANDS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, drug effects/ LUNG, drug effects/ *NEUROSURGERY, adverse effects/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ *THIAMINE, administration & dosage

111. **Arthur GH, Allen WE:** Clinical observations on reproduction in a pony stud.
Equine Vet J 4:109-17, Jul 72 (23 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ARTERIES/ CORPUS LUTEUM, anatomy & histology/ ESTRUS, drug effects/ FEMALE/ FERTILITY/ FETAL DEATH/ GRAAFIAN FOLLICLE, anatomy & histology/ *HORSES, physiology/ MALE/ OVARY, physiology/ OVULATION/ PALPATION, veterinary/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *REPRODUCTION/ REVIEW/ SEASONS/ SPERMATOGENESIS/ TESTIS, growth & development/ UTERUS, blood supply/ UTERUS, physiology

112. **Artzt K, Bennett D:** A genetically caused embryonal ectodermal tumor in the mouse.
J Natl Cancer Inst 48:141-58, Jan 72
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL TRANSFORMATION, NEOPLASTIC/ ECTODERM, transplantation/ FEMALE/ *GENES, LETHAL/ *GENES, RECESSIVE/ GRAFT REJECTION/ IMMUNE SERUMS/ LINKAGE (GENETICS)/ T-LYMPHOCYTES, immunology/ MALE/ MICE/ MICROSCOPY, ELECTRON/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, embryology/ NEOPLASMS, EXPERIMENTAL, familial & genetic/

RABBITS, immunology/ TERATOID TUMOR, embryology/ *TERATOID TUMOR, familial & genetic/ TESTICULAR NEOPLASMS, embryology/ *TESTICULAR NEOPLASMS, familial & genetic/ TRANSPLANTATION, HOMOLOGOUS

113. **Asagami C:** [Ultrastructure of localized myxedema] Jap J Dermatol [A] 82:694-703, Sep 72 (Jap)
ADULT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ MUCIN, analysis/ MYXEDEMA, metabolism/ *MYXEDEMA, pathology

114. **Asato N, Rand AG Jr:** Fractionation and isolation of the multiple forms of prorennin (prochymosin).
Biochem J 129:841-6, Oct 72
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ENZYME PRECURSORS, isolation & purification/ METHODS/ *RENIN/ STRUCTURE-ACTIVITY RELATIONSHIP

115. **Ashbell TS:** The emergency skin and bone hook.
J Bone Joint Surg [Am] 54:1325, Sep 72
*BONE AND BONES, surgery/ HUMAN/ NEEDLES/ *SURGERY, PLASTIC, instrumentation/ *SURGICAL INSTRUMENTS

116. **Ashby CD, Walsh DA:** Characterization of the interaction of a protein inhibitor with adenosine 3',5'-monophosphate-dependent protein kinases. II. Mechanism of action with the holoenzyme.
J Biol Chem 248:1255-61, 25 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATALYSIS/ CENTRIFUGATION, DENSITY GRADIENT/ DRUG STABILITY/ ENZYME ACTIVATION/ HEAT/ KIDNEY, enzymology/ LIVER, enzymology/ *MUSCLE PROTEINS/ MUSCLES, enzymology/ *MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES/ *PHOSPHOTRANSFERASES, antagonists & inhibitors/ PROTEINS/ RABBITS/ THYMUS GLAND, enzymology

117. **Ashitaka Y, Tsong YY, Koide SS:** Distribution of tritiated human chorionic gonadotropin in superovulated rat ovary.
Proc Soc Exp Biol Med 142:395-7, Feb 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, metabolism/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, metabolism/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LIVER, metabolism/ *OVARY, metabolism/ OVULATION, drug effects/ PSEUDOPREGNANCY/ RATS/ TRITIUM

118. **Ashkar FS, Bezjian AA:** Normalized serum thyroxine and effective thyroxine ratio. JAMA 223:1160, 5 Mar 73
HUMAN/ IN VITRO/ METHODS/ PROTEIN BINDING/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

119. **Ashmarin IP, Raichev KKh:** Vzaimootnoshenila gormonov i gistonov. Podavlenie deĭstvila gormona rosta nekotorymi fraktsiiami gistonov.
Dokl Akad Nauk SSSR 208:451-3, 11 Jan 73 (Rus)
ANIMAL EXPERIMENTS/ FEMALE/ GROWTH, drug effects/ *HISTONES, pharmacodynamics/ HYPOPHYSECTOMY/ RATS/ *SOMATOTROPIN, antagonists & inhibitors/ THYMUS GLAND

120. **Ashworth TS, Brown EG, Roberts FM:** Biosynthesis of willardiine and isowillardiine in germinating pea seeds and seedlings. Biochem J 129:897-905, Oct 72
*ALANINE, biosynthesis/ AZAURACIL, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ LIGHT/ OROTIC ACID, metabolism/ *PYRIMIDINONES, biosynthesis/ *SEEDS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOURACIL, pharmacodynamics/ URACIL, metabolism/ URACIL, pharmacodynamics

121. **Astier H, Mas-Jougla N, Assenmacher I:** Variation du taux de sécrétion (TS) de la thyroxine chez le canard mâle soumis à des modifications du niveau alimentaire et de la température ambiante.
C R Acad Sci [D] (Paris) 275:2531-4, 27 Nov 72 (Fre)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *DUCKS, physiology/ FASTING/ IODINE ISOTOPES/ KINETICS/ METHODS/ *TEMPERATURE/ *THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *THYROXINE, secretion

122. **Atkin NB:** Screening for malignancy of the cervix.
Lancet 1:315, 10 Feb 73
*CERVIX NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, embryology/ FEMALE/ HUMAN/ PRECANCEROUS CONDITIONS, diagnosis/ SEX CHROMATIN

123. **Atkins HL, Klopper JF, Lambrecht RM, et al:** A comparison of technetium 99M and iodine 123 for thyroid imaging.
Am J Roentgenol Radium Ther Nucl Med 117:195-201, Jan 73
COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ GOITER, NODULAR, diagnosis/ GOITER, SUBSTERNAL, diagnosis/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ MALE/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING/ *TECHNETIUM/ *THYROID DISEASES, diagnosis/ *THYROID GLAND

124. **Atkinson JM, Dusting GJ, Rand MJ:** Acidaemia produced by sympathomimetic amines and sympathetic nerve stimulation.
J Physiol (Lond) 229:6P-8P, Feb 73
*ACIDOSIS, chemically induced/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, blood/ CATECHOLAMINES, secretion/ ELECTRIC STIMULATION/ *EPINEPHRINE, toxicity/ GALLAMINE TRIETHIODIDE, pharmacodynamics/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, toxicity/ MUSCLES, drug effects/ MUSCLES, metabolism/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, toxicity/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ SPINAL NERVES, physiology/ *SYMPATHETIC NERVOUS SYSTEM, physiology

125. **Atkinson JN, Randle PJ:** An abnormality of adrenaline, phentolamine stimulated lipolysis in adipose tissue from obese, maturity-onset diabetics.
Diabetologia 8:371-6, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ AGED/ ANESTHESIA, GENERAL/ ANESTHESIA, LOCAL/ COMPARATIVE STUDY/ DIABETES MELLITUS, etiology/ DIABETES MELLITUS, metabolism/ *EPINEPHRINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GLYCERIN, metabolism/ HUMAN/ IN VITRO/ LIPID MOBILIZATION, drug effects/ MIDDLE AGE/ OBESITY, metabolism/ *OBESITY IN DIABETES, metabolism/ *PHENTOLAMINE, pharmacodynamics/ STIMULATION, CHEMICAL

126. **Atkinson PJ, Woodhead C:** The development of osteoporosis. A hypothesis based on a study of human bone structure. Clin Orthop 90:217-28, Jan-Feb 73
ADOLESCENCE/ ADULT/ AGED/ *AGING/ *BONE DEVELOPMENT/ BONE REGENERATION/ CHILD/ CHILD, PRESCHOOL/ DENSITOMETRY/ FEMUR/ HUMAN/ LUMBAR VERTEBRAE/ MANDIBLE/ MIDDLE AGE/ *OSTEOPOROSIS, etiology

127. **Atrens DM, Von Vietinghoff-Riesch:** The motivational

properties of electrical stimulation of the medial and paraventricular hypothalamic nuclei.
Physiol Behav 9:229-35, Aug 72
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ EATING/ *ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROSHOCK/ ESCAPE REACTION/ FEEDING BEHAVIOR/ FOOD DEPRIVATION/ *HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ *MOTIVATION/ RATS/ REACTION TIME/ REWARD/ SATIATION/ SELF STIMULATION/ STEREOTAXIC TECHNICS/ THALAMUS, physiology

128. **Atwater HF:** Evaluation of mass energy-absorption coefficients of bone and muscle.
Health Phys 23:739-40, Nov 72
ANIMAL EXPERIMENTS/ *BONE AND BONES, radiation effects/ ENERGY TRANSFER/ MATHEMATICS/ *MUSCLES, radiation effects/ *RADIATION EFFECTS/ RADIOMETRY

129. **Auletta FJ, Caldwell BV, Wagenen G van, et al:** Effects of postovulatory estrogen on progesterone and prostaglandin F levels in the monkey.
Contraception 6:411-21, Nov 72
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTERS/ ESTRIOL, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ ESTRONE/ ESTRUS/ FEMALE/ FERTILITY, drug effects/ MACACA/ MENSTRUATION/ MONKEYS/ OVULATION/ PROGESTERONE, blood/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ SULFURIC ACIDS

130. **Aurbach GD, Keutmann HT, Niall HD, et al:** Structure, synthesis, and mechanism of action of parathyroid hormone. Recent Prog Horm Res 28:353-98, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ AMINO ACID SEQUENCE/ CELL MEMBRANE, metabolism/ CHEMISTRY/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, enzymology/ KIDNEY, metabolism/ *PARATHYROID HORMONE/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, chem synthesis/ PARATHYROID HORMONE, isolation & purification/ PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ PEPTIDES, chem synthesis/ PEPTIDES, pharmacodynamics/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RECEPTORS, HORMONE/ REVIEW

131. **Aussannaire M, Cabanes J, Chaussain JL, et al:** Diabète aigu acidocétosique chez une enfant traitée par la L-asparaginase.
Arch Fr Pediatr 29:527-32, May 72 **(Fre)**
*ACIDOSIS, DIABETIC, chemically induced/ ACIDOSIS, DIABETIC, drug therapy/ *ASPARAGINASE, adverse effects/ ASPARAGINASE, therapeutic use/ CHILD/ *DIABETES MELLITUS, JUVENILE, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, therapeutic use/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy

132. **Auvert J, Durand L, Vaysse J:** Chirurgie de l'hypertension artérielle. (Indications et résultats.
J Chir (Paris) 104:195-212, Sep 72 **(Fre)**
*ADRENAL GLAND DISEASES, complications/ *ADRENAL GLAND NEOPLASMS, complications/ AORTA, abnormalities/ AORTIC COARCTATION, complications/ AORTIC COARCTATION, surgery/ AORTOGRAPHY/ CUSHING'S SYNDROME, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTENSION, etiology/ *HYPERTENSION, surgery/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ KIDNEY DISEASES, complications/ MALE/ NEPHRECTOMY/ PHEOCHROMOCYTOMA, complications/ PROGNOSIS/ RENAL ARTERY OBSTRUCTION, complications/ *RENAL ARTERY OBSTRUCTION, surgery

133. **Avioli LV, Haddad JG:** Progress in endocrinology and metabolism. Vitamin D: current concepts.
Metabolism 22:507-31, Mar 73 (181 ref.)
ANTICONVULSANTS, adverse effects/ BONE AND BONES, metabolism/ BONE DISEASES, drug therapy/ BONE DISEASES, metabolism/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CHOLECALCIFEROL, metabolism/ CHOLESTEROL, metabolism/ ERGOCALCIFEROL, metabolism/ GASTROINTESTINAL DISEASES, metabolism/ HUMAN/ HYPOPARATHYROIDISM, drug therapy/ INTESTINES, metabolism/ KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, drug therapy/ PARATHYROID HORMONE, metabolism/ REVIEW/ RICKETS, VITAMIN D RESISTANT, drug therapy/ SARCOIDOSIS, drug therapy/ SKIN, metabolism/ *VITAMIN D/ VITAMIN D, metabolism/ VITAMIN D,, therapeutic use

134. **Aviram I:** The interaction of chaotropic anions with acid ferricytochrome c.
J Biol Chem 248:1894-6, 25 Mar 73
ACETIC ACIDS/ BROMIDES/ BROMINE/ CHLORIDES/ *CYTOCHROME C/ HYDROGEN-ION CONCENTRATION/ *IONS/ IRON/ KINETICS/ NITRATES/ PERCHLORIC ACIDS/ SODIUM/ SPECTROPHOTOMETRY/ THERMODYNAMICS/ THIOCYANATES/ TRICHLOROACETIC ACID/ WATER

135. **Axelrod LR, Kraemer DC, Burdett J Jr, et al:** Biosynthesis of 11 -hydroxyandrostenedione by human and baboon adrenals.
Acta Endocrinol (Kbh) 72:545-50, Mar 73
*ADRENAL GLANDS, metabolism/ *ANDROSTENES, biosynthesis/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ BABOONS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ HYDROCORTISONE, metabolism/ HYDROXYSTEROIDS, biosynthesis/ IN VITRO/ *17-KETOSTEROIDS, biosynthesis/ 17-KETOSTEROIDS, metabolism/ MONKEYS/ PERFUSION/ TRITIUM

136. **Axelsson S, Björklund A, Falck B, et al:** Glyoxylic acid condensation: a new fluorescence method for the histochemical demonstration of biogenic monoamines. Acta Physiol Scand 87:57-62, Jan 73
*AMINES, analysis/ ANIMAL EXPERIMENTS/ *GLYOXYLATES/ ILEUM, analysis/ INDICATORS AND REAGENTS/ METHODS/ *MICROSCOPY, FLUORESCENCE/ PITUITARY GLAND, analysis/ RATS/ SUBMANDIBULAR GLAND, analysis

137. **Axen U, Baczynskyj L, Duchamp DJ, et al:** Gas chromatography--mass spectrometry assay for prostaglandins. J Reprod Med 9:372-5, Dec 72
*CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ HUMAN/ MASS SPECTRUM ANALYSIS/ METHODS/ *PROSTAGLANDINS, blood/ *SPECTRUM ANALYSIS

138. **Ayraud N, Duplay J, Greilier P, et al:** Caryotype 45,X-46,XX-47,XXX et tumeur du système nerveux. Deux observations.
Nouv Presse Med 1:2902, 2 Dec 72 **(Fre)**
*ASTROCYTOMA, complications/ *BRAIN NEOPLASMS, complications/ BRAIN STEM/ CHILD/ FEMALE/ FRONTAL LOBE/ HUMAN/ KARYOTYPING/ *MENINGIOMA, complications/ MIDDLE AGE/ MOSAICISM/ *SEX CHROMOSOME ABNORMALITIES, complications

139. **Azuma Y, Okada K:** [Metabolism of synthetic progestogen--on portal injection method]

Clin Endocrinol (Tokyo) 20:1045-52, Dec 72 (Jap)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ FEMALE/ INJECTIONS, INTRAVENOUS/ PORTAL VEIN/ PROGESTERONE, administration & dosage/ *PROGESTERONE, metabolism/ RABBITS/ TRITIUM

B

140. **Baba H:** [Radioimmunoassay of serum testosterone--results of the study of normal subjects and patients with endocrine disorders]
Folia Endocrinol Jap 49:60-79, 20 Jan 73 (Jap)
ACROMEGALY, blood/ ADDISON'S DISEASE, blood/ ADOLESCENCE/ ADULT/ AGED/ ANOREXIA NERVOSA, blood/ CHILD/ CUSHING'S SYNDROME, blood/ DIABETES INSIPIDUS, blood/ DWARFISM, PITUITARY, blood/ *ENDOCRINE DISEASES, blood/ ENGLISH ABSTRACT/ EUNUCHISM, blood/ FEMALE/ HIRSUTISM, blood/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERTHYROIDISM, blood/ HYPOGONADISM, blood/ HYPOPITUITARISM, blood/ HYPOTHYROIDISM, blood/ KLINEFELTER'S SYNDROME, blood/ MALE/ MIDDLE AGE/ OBESITY, blood/ OVARIAN DISEASES, blood/ PITUITARY GLAND FUNCTION TESTS/ *RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, blood/ *TESTOSTERONE, blood

141. **Babel-Guérin E, Dunant Y:** Entrée de calcium et libération d'acétylcholine dans l'organe électrique de la torpille.
C R Acad Sci [D] (Paris) 275:2961-4, 18 Dec 72 (Fre)
*ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ EDTA, pharmacodynamics/ *ELECTRIC ORGAN, metabolism/ *FISHES/ IN VITRO/ NERVE ENDINGS, metabolism/ SYNAPTIC VESICLES, metabolism/ TUBOCURARINE, pharmacodynamics

142. **Babichev VN:** Interaction between regions of the hypothalamus regulating hypophyseal gonadotropic function in female rats.
Neurosci Behav Physiol 5:195-9, Jul-Sep 72
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ ESTRIOL, blood/ ESTRONE, blood/ ESTRUS/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, drug effects/ LH, analysis/ LH, blood/ *LH, secretion/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, drug effects/ OVULATION, drug effects/ PITUITARY GLAND, analysis/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ RATS/ STEREOTAXIC TECHNICS/ VAGINAL SMEARS

143. **Babior BM, Creagan S, Ingbar SH, et al:** Stimulation of mitochondrial adenosine diphosphate uptake by thyroid hormones.
Proc Natl Acad Sci USA 70:98-102, Jan 73
*ADENOSINE DIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ DINITROPHENOLS, pharmacodynamics/ FEMALE/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION, drug effects/ RATS/ STIMULATION, CHEMICAL/ THYROIDECTOMY/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

144. **Bablik L, Keminger K, Vecsei W:** Verlaufsbeobachtung von Recurrensparesen nach Strumaresektion.
Chirurg 44:57-61, Feb 73 (Ger)
ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GOITER, surgery/ HUMAN/ LARYNGEAL NERVES/ RECURRENCE/ *THYROIDECTOMY, adverse effects/ TIME FACTORS/ VOCAL CORD PARALYSIS, diagnosis/ *VOCAL CORD PARALYSIS, etiology

145. **Bach JF:** The thymus as an endocrine gland.
Rev Eur Etud Clin Biol 17:545-8, Jun-Jul 72 (18 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HORMONES, biosynthesis/ HORMONES, blood/ HORMONES, isolation & purification/ *HORMONES, physiology/ IMMUNE ADHERENCE REACTION/ *IMMUNITY, CELLULAR/ LYMPH NODES, transplantation/ LYMPHOCYTE DEPLETION/ MICE/ MOLECULAR WEIGHT/ REVIEW/ SPLENECTOMY/ THYMECTOMY/ *THYMUS GLAND, physiology/ THYMUS GLAND, secretion/ THYMUS GLAND, transplantation/ TIME FACTORS/ TISSUE EXTRACTS, therapeutic use

146. **Bach JF, Dardenne M:** Antigen recognition by T lymphocytes. 3. Evidence for two populations of thymus-dependent rosette-forming cells in spleen and lymph nodes.
Cell Immunol 6:394-406, Mar 73
ANIMALS, NEWBORN/ ANTIGENS/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE/ BONE MARROW CELLS, immunology/ HYDROCORTISONE/ IMMUNE ADHERENCE REACTION/ *IMMUNITY, CELLULAR/ *LYMPH NODES, cytology/ T-LYMPHOCYTES, immunology/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED CBA/ RABBITS, immunology/ *SPLEEN, cytology/ THYMECTOMY/ THYMUS GLAND, immunology/ THYMUS GLAND, transplantation

147. **Bach MA, Bach JF:** Effets de l'AMP cyclique sur les cellules formant les rosettes spontanées.
C R Acad Sci [D] (Paris) 275:2783-6, 6 Dec 72 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, biosynthesis/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ DRUG INTERACTIONS/ *IMMUNE ADHERENCE REACTION/ IMMUNE SERUMS/ ISOPROTERENOL, pharmacodynamics/ T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ PHOSPHODIESTERASES, metabolism/ *SPLEEN, drug effects/ SPLEEN, immunology/ THYMECTOMY

148. **Bäckström M, Wetterberg L:** Increased N-acetylserotonin and melatonin formation induced by d-amphetamine in rat pineal gland organ culture via a -adrenergic receptor mechanism.
Acta Physiol Scand 87:113-20, Jan 73
ACETYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DEPRESSION, CHEMICAL/ *DEXTROAMPHETAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ IN VITRO/ MALE/ *MELATONIN, biosynthesis/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ PHENTOLAMINE, pharmacodynamics/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ *PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ *SEROTONIN, biosynthesis/ SEROTONIN, metabolism/ STIMULATION, CHEMICAL/ TRITIUM/ TRYPTOPHAN, metabolism/ TRYPTOPHAN, pharmacodynamics

149. **Bäckström M, Wetterberg L:** Catechol-O-methyltransferase, histamine-N-methyltransferase and methanol forming enzymes in the rat pineal gland.
Life Sci [I] 11:293-9, 15 Mar 72
S-ADENOSYLMETHIONINE/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, metabolism/ CIRCADIAN RHYTHM/ HISTAMINE/ MALE/ *METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, metabolism/ PINEAL BODY, analysis/ *PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ RATS/ TIME FACTORS

150. **Bacon GE, Kenny FM, Murdaugh HV, et al:** Prolonged serum half-life of cortisol in renal failure.
Johns Hopkins Med J 132:127-31, Feb 73
ADULT/ CARBON ISOTOPES/ CREATININE, blood/ HALF-LIFE/ HEMODIALYSIS/ HUMAN/ *HYDROCORTISONE, blood/ *KIDNEY FAILURE, CHRONIC, blood/ MALE/ MIDDLE AGE

151. **Bacon WE, Wong IG:** Reinforcement value of electrical brain stimulation in neonatal dogs.
Dev Psychobiol 5:195-200, 1972
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ *BRAIN, physiology/ CAUDATE NUCLEUS, physiology/ DOGS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ EVOLUTION/ HOUSING, ANIMAL/ HYPOTHALAMUS, physiology/ LOCOMOTION/ *MOTOR ACTIVITY/ *REINFORCEMENT (PSYCHOLOGY)/ REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS/ THALAMUS, physiology/ TOUCH

152. **Badraoui MH, Bonnar J, Hillier K, et al:** Coagulation changes during termination of pregnancy by prostaglandins and by vacuum aspiration.
Br Med J 1:19-21, 6 Jan 73
*ABORTION, INDUCED, adverse effects/ ADOLESCENCE/ ADULT/ BLOOD CELL COUNT/ BLOOD COAGULATION DISORDERS, chemically induced/ *BLOOD COAGULATION DISORDERS, etiology/ BLOOD PLATELETS, physiology/ *EXTRACTION, OBSTETRICAL/ FACTOR V, analysis/ FACTOR VII, analysis/ FACTOR VIII, analysis/ FACTOR X, analysis/ FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ PROTHROMBIN TIME/ THROMBOEMBOLISM, etiology

153. **el-Badry AM, Otani A, Mansour TE:** Studies on heart phosphofructokinase. Role of fructose 1,6-diphosphate in enzyme activity.
J Biol Chem 248:557-63, 25 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ALDOLASE/ ALDOLASE, antagonists & inhibitors/ ALLOSTERIC REGULATION/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATALYSIS/ CITRATES/ ENZYME ACTIVATION/ FRUCTOSE DIPHOSPHATASE/ FRUCTOSE DIPHOSPHATASE, antagonists & inhibitors/ *FRUCTOSEPHOSPHATES/ GLUCOSEPHOSPHATES/ HEXOSEDIPHOSPHATES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *MYOCARDIUM, enzymology/ NITROBENZENES/ PHOSPHOFRUCTOKINASE/ PHOSPHOFRUCTOKINASE, antagonists & inhibitors/ SHEEP/ SPECTROPHOTOMETRY, ULTRAVIOLET

154. **Baer JE, Beyer KH:** Subcellular pharmacology of natriuretic and potassium-sparing drugs.
Prog Biochem Pharmacol 7:59-93, 1972 (108 ref.)
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARDIAC GLYCOSIDES, pharmacodynamics/ CHLOROTHIAZIDE, pharmacodynamics/ DIURETICS, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ GLYCOLYSIS/ HUMAN/ *KIDNEY/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, metabolism/ MEMBRANES, enzymology/ MEMBRANES, metabolism/ NATRIURESIS, drug effects/ NEPHRONS/ *POTASSIUM, metabolism/ POTASSIUM, urine/ REVIEW/ *SODIUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS

155. **Bagley CM Jr, Bostick FW, DeVita VT Jr:** Clinical pharmacology of cyclophosphamide.
Cancer Res 33:226-33, Feb 73
ALKYLATION/ ALLOPURINOL, pharmacodynamics/ ALLOPURINOL, therapeutic use/ BLOOD PROTEINS/ CARBON ISOTOPES/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, blood/ *CYCLOPHOSPHAMIDE, metabolism/ CYCLOPHOSPHAMIDE, therapeutic use/ CYCLOPHOSPHAMIDE, urine/ FECES, analysis/ HALF-LIFE/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ LIVER NEOPLASMS, metabolism/ *NEOPLASMS, drug therapy/ NITROBENZENES/ PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ PROTEIN BINDING/ PYRIDINES/ TIME FACTORS/ ULTRAFILTRATION

156. **Baglin A, Weiss Y, Safar M, et al:** Hyperaldostéronisme primaire avec hypertension maligne.
Nouv Presse Med 2:295-7, 3 Feb 73 (Fre)
ADENOMA, complications/ ADENOMA, physiopathology/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENALECTOMY/ ADULT/ BLOOD PRESSURE DETERMINATION/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, physiopathology/ *HYPERTENSION, MALIGNANT, complications/ KIDNEY FAILURE, CHRONIC, etiology/ RENIN, blood/ SPIRONOLACTONE, therapeutic use

157. **Bagshawe KD:** Radioimmunoassay follow-up of a hydatidiform mole. Br Med J 1:414, 17 Feb 73
FEMALE/ HUMAN/ HYDATIDIFORM MOLE, drug therapy/ *HYDATIDIFORM MOLE, immunology/ HYDATIDIFORM MOLE, surgery/ HYSTERECTOMY/ NEOPLASM REGRESSION, SPONTANEOUS/ PREGNANCY/ RADIOIMMUNOASSAY

158. **Baguet F, Edmond JL:** Influence of lanthanum on contractile properties of a Lamellibranch smooth muscle (ABRM).
Arch Int Physiol Biochim 80:831-3, Oct 72
ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ ELECTRIC STIMULATION/ IN VITRO/ *LANTHANUM, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ *MUSSELS, physiology/ POTASSIUM CHLORIDE, antagonists & inhibitors/ POTASSIUM CHLORIDE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ TIME FACTORS

159. **Baile CA, Simpson CW, Krabill LF, et al:** Adrenergic agonists and antagonists and feeding in sheep and cattle. Life Sci [I] 11:661-8, 15 Jul 72
ANIMAL EXPERIMENTS/ *CATTLE/ CEREBRAL VENTRICLES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS/ *ISOPROTERENOL, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ *PHENOXYBENZAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ *SHEEP/ SOTALOL, pharmacodynamics/ STEREOISOMERS/ STEREOTAXIC TECHNICS/ STRUCTURE-ACTIVITY RELATIONSHIP

160. **Bailey CC, Campbell RH:** Lymphosarcoma presenting as Löffler's syndrome. Br Med J 1:460-1, 24 Feb 73
ASPARAGINASE, therapeutic use/ BIOPSY/ BLOOD CELL COUNT/ BONE MARROW/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ HEPATOMEGALY/ HUMAN/ *LOEFFLER'S SYNDROME, diagnosis/ LUNG, radiography/ LYMPH NODES/ *LYMPHOSARCOMA, diagnosis/

LYMPHOSARCOMA, drug therapy/ MALE/ PREDNISONE, therapeutic use/ SPLENOMEGALY/ VINCRISTINE, therapeutic use

161. **Bailey E, Fenoughty M, Wheeler MJ:** The group estimation of urinary 11-oxy-17-hydroxy-corticosteroids using gas-liquid chromatography. Biochem Med 7:1-13, Feb 73
ANDROSTANES, analysis/ ANDROSTERONE, analysis/ AUTOANALYSIS/ BOROHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOTROPIN, therapeutic use/ CORTICOTROPIN, urine/ DEXAMETHASONE, therapeutic use/ DEXAMETHASONE, urine/ EVALUATION STUDIES/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, urine/ 17-HYDROXYCORTICOSTEROIDS, isolation & purification/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, analysis/ KETOSTEROIDS, urine/ MASS SPECTRUM ANALYSIS/ PERIODIC ACIDS/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

162. **Bailey KV:** Infertility after the pill.
Br Med J 4:492, 25 Nov 72
*CONTRACEPTIVES, ORAL, adverse effects/ CURETTAGE/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ *STERILITY, FEMALE, chemically induced

163. **Baille MD, Davis LE, Loutzenhiser R:** Intrarenal secretion of renin in the dog: effect of furosemide.
Am J Physiol 224:425-30, Feb 73
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ DOGS/ *FUROSEMIDE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ ISOTONIC SOLUTIONS/ *KIDNEY, enzymology/ KIDNEY, secretion/ LYMPH, enzymology/ MALE/ PLASMA SUBSTITUTES/ REGIONAL BLOOD FLOW/ RENAL ARTERY/ RENIN, blood/ *RENIN, secretion/ SODIUM CHLORIDE, administration & dosage/ STIMULATION, CHEMICAL

164. **Bailliet F, Juilliard R, Raynal M, et al:** Protocole pratique de traitement des métastases des cancers du sein.
J Radiol Electrol Med Nucl 53:905, Dec 72 **(Fre)**
ADULT/ AGE FACTORS/ AGED/ ANABOLIC STEROIDS, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS/ CASTRATION/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ HYPERCALCEMIA, diagnosis/ LIVER FUNCTION TESTS/ MIDDLE AGE/ *NEOPLASM METASTASIS, therapy/ PROGESTATIONAL HORMONES, therapeutic use/ RADIOTHERAPY DOSAGE

165. **Bain LS, Balch HW, Wetherly JM, et al:** Intraarticular triamcinolone hexacetonide: double-blind comparison with methylprednisolone.
Br J Clin Pract 26:559-61, Dec 72
*ARTHRITIS, RHEUMATOID, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ *KNEE JOINT/ *METHYLPREDNISOLONE, administration & dosage/ *TRIAMCINOLONE, administration & dosage

166. **Bajpayee DP, Brown KI:** Effect of photoperiodicity on the circulating levels of estrogens, corticosterone, calcium and free fatty acids in female domestic turkeys (Meleagris gallopavo).
Poult Sci 51:1157-65, Jul 72
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ DARKNESS/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *LIGHT/ TIME FACTORS/ *TURKEYS, physiology

167. **Baker BI:** The cellular source of melanocyte-stimulating hormone in Anguilla pituitary. Gen Comp Endocrinol 19:515-21, Dec 72
ACCLIMATIZATION/ ADAPTATION, PHYSIOLOGICAL/ *ANGUILLA, physiology/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, analysis/ CYTOPLASMIC GRANULES, analysis/ *MSH, analysis/ *NEUROSECRETORY SYSTEMS, analysis/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, cytology/ SODIUM CHLORIDE

168. **Baker BL, Eskin TA, August LN:** Direct action of synthetic progestins on the hypophysis.
Endocrinology 92:965-72, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHOLESTEROL, pharmacodynamics/ FEMALE/ IMMUNOCHEMISTRY/ LH, analysis/ *MEDROXYPROGESTERONE, pharmacodynamics/ *NORETHINDRONE, pharmacodynamics/ *NORETHYNODREL, pharmacodynamics/ OVARY, physiology/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ PROLACTIN, analysis/ RATS

169. **Baker PF, Crawford AC:** Mobility and transport of magnesium in squid giant axons.
J Physiol (Lond) 227:855-74, Dec 72
ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AXONS, drug effects/ *AXONS, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHOLINE, pharmacodynamics/ CYANIDES, pharmacodynamics/ CYTOPLASM, metabolism/ DEPRESSION, CHEMICAL/ DIFFUSION/ DINITROPHENOLS, pharmacodynamics/ ELECTROPHYSIOLOGY/ ETHERS, pharmacodynamics/ IMIDES, pharmacodynamics/ IN VITRO/ LITHIUM, pharmacodynamics/ *MAGNESIUM, metabolism/ POTASSIUM, metabolism/ RADIOISOTOPES/ SODIUM, metabolism/ SQUID

170. **Bakos L, Storck R, Netto ES:** Congenital macular urticaria pigmentosa complicated by massive nodular mastocytosis with systemic involvement.
Br J Dermatol 87:635-41, Dec 72
ADULT/ BONE AND BONES, pathology/ FEMALE/ HEMORRHAGIC DIATHESIS, complications/ HUMAN/ LIVER, pathology/ LYMPH NODES, pathology/ MAST CELLS/ PROGNOSIS/ PUBERTY/ *SKIN NEOPLASMS, complications/ SKIN NEOPLASMS, diagnosis/ SKIN NEOPLASMS, pathology/ SKIN NEOPLASMS, surgery/ THIGH, pathology/ URTICARIA PIGMENTOSA, complications/ *URTICARIA PIGMENTOSA, congenital/ URTICARIA PIGMENTOSA, diagnosis/ URTICARIA PIGMENTOSA, pathology/ URTICARIA PIGMENTOSA, surgery

171. **Baksi SN, Anderson RR:** Thyroid secretion rate and thyrocalcitonin content of the thyroid in female rats.
Endokrinologie 60:251-6, 1972
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, analysis/ FEMALE/ IODINE ISOTOPES/ METHIMAZOLE, pharmacodynamics/ PITUITARY GLAND, drug effects/ RATS/ RATS, INBRED STRAINS/ SECRETORY RATE/ *THYROCALCITONIN, analysis/ THYROID GLAND, analysis/ *THYROID GLAND, secretion/ THYROTROPIN RELEASING FACTOR/ *THYROXINE, analysis/ TRIIODOTHYRONINE

172. **Bakurdzhiev D, Grueva D:** Biokhimichen kontrol na kruven serum pri zheni sled intenzivna androgenna profilaktika v preklimaksa.
Akush Ginekol (Sofiia) 11:125-9, 1972 **(Bul)**
ADULT/ *AMINOTRANSFERASES, blood/ CHOLESTEROL, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIPOPROTEINS, blood/ *MENOPAUSE/ MIDDLE AGE/ PHOSPHATASES, blood/ *TESTOSTERONE, administration & dosage

173. **Bakurdzhiev D, Prodanov A, Grueva D:** Khistomorfologiia na organi ot beli piukhove, poroda Wistaer sled intenzivno androgenno nasishtane.
Akush Ginekol (Sofiia) 11:414-7, 1972 **(Bul)**
ANIMAL EXPERIMENTS/ *ENDOMETRIUM,

drug effects/ ENGLISH ABSTRACT/ FEMALE/ KIDNEY, drug effects/ LIVER, drug effects/ PITUITARY GLAND, drug effects/ RATS/ *TESTOSTERONE, administration & dosage

174. **Baldi A, Charreau EH:** Testosterone metabolism by rodent submaxillary glands in relation to their sexual dimorphism. Acta Physiol Lat Am 22:129-34, 1972
ANDROSTENES, biosynthesis/ ANDROSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ KETOSTEROIDS, biosynthesis/ MALE/ MICE/ RATS/ SEX FACTORS/ SUBMANDIBULAR GLAND, analysis/ *SUBMANDIBULAR GLAND, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

175. **Baldus WP:** Renal failure in advanced liver disease. Prog Liver Dis 4:251-67, 1972 (62 ref.)
ALDOSTERONE, physiology/ ANGIOTENSIN, physiology/ ASCITES, etiology/ BODY WATER, metabolism/ HEMODYNAMICS/ HUMAN/ KIDNEY, blood supply/ KIDNEY, pathology/ KIDNEY, physiopathology/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FAILURE, ACUTE, pathology/ KIDNEY FAILURE, ACUTE, therapy/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, physiopathology/ LIVER, physiopathology/ LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, physiopathology/ *LIVER DISEASES, complications/ LIVER DISEASES, therapy/ PROGNOSIS/ REGIONAL BLOOD FLOW/ RENIN, physiology/ REVIEW/ SODIUM, metabolism/ UREMIA, etiology/ UREMIA, mortality

176. **Balinsky JB, Coetzer TL, Mattheyse FJ:** The effect of thyroxine and hypertonic environment on the enzymes of the urea cycle in Xenopus laevis. Comp Biochem Physiol [B] 43:83-95, 15 Sep 72
ANIMAL EXPERIMENTS/ ARGINASE, metabolism/ ARGININE/ CARBAMATES/ CATTLE/ HYPERTONIC SOLUTIONS/ LARVA, enzymology/ LEUCINE, metabolism/ LIGASES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ *LYASES, metabolism/ METAMORPHOSIS, BIOLOGICAL/ ORGAN CULTURE/ ORGANOPHOSPHORUS COMPOUNDS/ *ORNITHINE CARBAMOYL-TRANSFERASE, metabolism/ PHOSPHOTRANSFERASES, biosynthesis/ *PHOSPHOTRANSFERASES, metabolism/ PRECIPITIN TESTS/ *SODIUM CHLORIDE, pharmacodynamics/ SUCCINATES/ *THYROXINE, pharmacodynamics/ TRITIUM/ *XENOPUS, metabolism

177. **Ballantyne J:** Conservative surgery in the treatment of nasal polypi. J Laryngol Otol 87:107-16, Feb 73
ANESTHESIA, GENERAL/ ANTIHISTAMINICS, therapeutic use/ BETAMETHASONE, therapeutic use/ COCAINE, therapeutic use/ EPINEPHRINE, therapeutic use/ ETHMOID SINUS/ HUMAN/ NASAL MUCOSA, surgery/ NASAL POLYPS, drug therapy/ *NASAL POLYPS, surgery/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS, prevention & control/ RECURRENCE/ SURGICAL INSTRUMENTS

178. **Ballard CA, Quilligan EJ:** Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F 2 . J Reprod Med 9:397-9, Dec 72
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ DIARRHEA, chemically induced/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ NAUSEA, chemically induced/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ VOMITING, chemically induced

179. **Balog P, Dvorzhak E:** Vliianie lekarstv na obmen azota u bol'nykh diabetom.
Probl Endokrinol (Mosk) 18:34-7, Jul-Aug 72 (Rus)
ADULT/ AMINO ACIDS, blood/ CARBUTAMIDE, therapeutic use/ DIABETES MELLITUS, blood/ *DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, metabolism/ DIET THERAPY/ DIETARY FATS/ ENGLISH ABSTRACT/ HEPARIN, therapeutic use/ HUMAN/ INSULIN, therapeutic use/ MIDDLE AGE/ *NITROGEN, metabolism/ TESTOSTERONE, therapeutic use/ VITAMIN B 12, therapeutic use

180. **Banach K:** Znaczenie poznawcze dermatoglifów. Wiad Lek 26:315-8, 15 Feb 73 (Pol)
CHROMOSOME ABERRATIONS/ *DERMATOGLYPHICS/ EHLERS-DANLOS SYNDROME, diagnosis/ ENGLISH ABSTRACT/ EPILEPSY, diagnosis/ FORENSIC MEDICINE/ HEPATOLENTICULAR DEGENERATION, diagnosis/ *HEREDITARY DISEASES, diagnosis/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, diagnosis/ MONGOLISM, diagnosis/ PATERNITY/ PSEUDOXANTHOMA ELASTICUM, diagnosis/ PSORIASIS, diagnosis/ REVIEW/ SCHIZOPHRENIA, diagnosis/ TURNER'S SYNDROME, diagnosis

181. **Bancroft FC:** Measurement of growth hormone synthesis by rat pituitary cells in culture. Endocrinology 92:1014-21, Apr 73
ANIMAL EXPERIMENTS/ BABOONS, immunology/ CARBON ISOTOPES/ CELLS, CULTURED/ CROSS REACTIONS/ CYTOPLASM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ IMMUNE SERUMS/ IMMUNOASSAY/ IN VITRO/ METHODS/ MONKEYS/ *PITUITARY GLAND, metabolism/ PRECIPITATION/ PROLACTIN/ RATS/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, biosynthesis

182. **Banerjee RC, Brazeau P Jr, Saucier R, et al:** Effects of norethindrone (17-ethynyl-17 -hydroxy-4-estren-3-one) and norgestrel (dl-13 -ethyl-17-ethynyl-17 -hydroxy-4-gonen-3-one) on the tissue distribution of 3 H-estradiol-17 in ovariectomized rats. Steroids 21:133-45, Jan 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CASTRATION/ CEREBELLUM, analysis/ CHROMATOGRAPHY, GAS/ ESTRADIOL, analysis/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ FEMALE/ HYPOTHALAMUS, analysis/ LIVER, analysis/ NORETHINDRONE, isolation & purification/ *NORETHINDRONE, pharmacodynamics/ *NORGESTREL, pharmacodynamics/ *OVARY, physiology/ PITUITARY GLAND, analysis/ RATS/ TRITIUM/ UTERUS, analysis/ VAGINA, analysis

183. **Bangham DR, Berryman I, Burger H, et al:** An international collaborative study of 69-104, a reference preparation of human pituitary FSH and LH. J Clin Endocrinol Metab 36:647-60, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *FSH, standards/ HUMAN/ IMMUNE SERUMS/ IMMUNOASSAY/ *LH, standards/ METHODS/ RADIOIMMUNOASSAY/ RATS

184. **Bankhurst AD, Torrigiani G, Allison AC:** Lymphocytes binding human thyroglobulin in healthy people and its relevance to tolerance for autoantigens. Lancet 1:226-30, 3 Feb 73
ADULT/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ AUTOANTIBODIES/ AUTOANTIGENS/ AUTORADIOGRAPHY/ *BINDING SITES, ANTIBODY/ FEMALE/ HUMAN/ IGG/ *IMMUNE TOLERANCE/ IODINE ISOTOPES, DIAGNOSTIC/ *LYMPHOCYTES, immunology/ B-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, immunology/ MALE/ RABBITS, immunology/ *THYROGLOBULIN

185. **Bannister DW, Candlish JK:** The collagenolytic activity of avian medullary bone: effect of laying status and parathyroid extract. Br Poult Sci 14:121-5, Jan 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, enzymology/ CALCIUM, metabolism/ *CHICKENS, metabolism/ *COLLAGEN, metabolism/ EGGS/ ESTRADIOL,

pharmacodynamics/ FEMALE/ FEMUR, enzymology/ *OVULATION/ *PARATHYROID HORMONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ TIBIA, enzymology

186. **Bar A, Hurwitz S, Cohen I:** Relationship between duodenal calcium-binding protein, parathyroid activity and various parameters of mineral metabolism in the rachitic and vitamin D-treated chick. Comp Biochem Physiol [A] 43:519-26, I Nov 72
AMINOBUTYRIC ACID, analysis/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ CHICKENS/ DIET/ *DUODENUM, metabolism/ INTESTINAL MUCOSA, metabolism/ MALE/ *MINERALS, metabolism/ ORGAN WEIGHT/ *PARATHYROID GLANDS, physiology/ PHOSPHORUS, analysis/ PROTEIN BINDING/ RICKETS, drug therapy/ *RICKETS, metabolism/ *VITAMIN D, pharmacodynamics/ VITAMIN D, therapeutic use

187. **Bara G:** Histochemistry of hydroxysteroid dehydrogenases in the testis, adrenocartical tissue, and corpuscles of Stannius of Pseudopleuronectes americanus. Acta Histochem (Jena) 44:333-47, 1972
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *ENDOCRINE GLANDS, enzymology/ ESTRUS/ FISHES/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ KIDNEY/ LACTATE DEHYDROGENASE, metabolism/ LIPOAMIDE DEHYDROGENASE, metabolism/ NAD/ SEASONS/ SERTOLI CELLS, enzymology/ *TESTIS, enzymology

188. **Barabash RD:** Dal'neishee issledovanie vliianiia sliunnykh zhelez na funktsional'nulu aktivnost' kory nadpochechnikov.
Probl Endokrinol (Mosk) 18:103-6, Nov-Dec 72 (Rus)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ HYPOPHYSECTOMY/ MALE/ PITUITARY-ADRENAL SYSTEM/ RATS/ *SALIVARY GLANDS, secretion/ STRESS

189. **Barac G:** Sur les récepteurs vasculaires rénaux de quatre prostaglandines chez le chien.
J Physiol (Paris) 65:Suppl:193A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE DETERMINATION/ BLOOD VESSELS, innervation/ BURNS, complications/ CHEMORECEPTORS/ DOGS/ INJECTIONS, INTRAVENOUS/ *KIDNEY, blood supply/ KIDNEY, drug effects/ PERFUSION/ PHENOXYBENZAMINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *RECEPTORS, DRUG/ REGIONAL BLOOD FLOW/ *VASOMOTOR SYSTEM, drug effects

190. **Barac G, Deby C, Neuray J:** Essais sur l'absorption intestinale de la prostaglandine PGE I chez le chien.
J Physiol (Paris) 65:Suppl:194A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ *DUODENUM, physiology/ HYPOTENSION, chemically induced/ *INTESTINAL ABSORPTION/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics

191. **Barańska H, Frank-Piskorska A, Hoszowski K, et al:** Ocena układu krążenia u osób młodych z nadczynnością tarczycy.
Pol Tyg Lek 28:173-5, 29 Jan 73 (Pol)
ADULT/ AGE FACTORS/ CARDIAC VOLUME/ *CARDIOVASCULAR SYSTEM, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE

192. **Barasi S, Roberts MH:** The modification of bulbo-spinal facilitation of the monosynaptic reflex by 5-hydroxytryptamine precursors and antagonists.
J Physiol (Lond) 229:33P-34P, Feb 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ MOTOR NEURONS, physiology/ NEURAL TRANSMISSION/ RATS/ *REFLEX, MONOSYNAPTIC, drug effects/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ *SPINAL CORD, physiology/ TRYPTOPHAN, pharmacodynamics

193. **Barber HR, Graber EA:** The PMPO syndrome (postmenopausal palpable ovary syndrome).
CA 22:357-9, Nov-Dec 72
FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, surgery/ PALPATION

194. **Barbosa J, Seal US, Doe RP:** Anti-estrogens and plasma proteins. I. Clomiphene and isomers, ethamoxytriphetol, U-11,100A and U-11,555A.
J Clin Endocrinol Metab 36:666-78, Apr 73
ADOLESCENCE/ ADULT/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ *CLOMIPHENE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ *ETHYLAMINES, pharmacodynamics/ FIBRINOGEN, metabolism/ GLUCURONIDASE, blood/ HAPTOGLOBINS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ MONKEYS/ PLASMINOGEN, metabolism/ *PYRROLIDINES, pharmacodynamics/ SERUM ALBUMIN, metabolism/ STEREOISOMERS/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, metabolism

195. **Barbosa J, Seal US, Doe RP:** Anti-estrogens and plasma proteins. II. Contraceptive drugs and gestagens.
J Clin Endocrinol Metab 36:706-14, Apr 73
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CYPROTERONE, pharmacodynamics/ DYDROGESTERONE, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FIBRINOGEN, metabolism/ HAPTOGLOBINS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MONKEYS/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PLASMINOGEN, metabolism/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, metabolism/ TRANSFERRIN, metabolism

196. **Barden TP:** Induction of preterm labor with prostaglandin F 2 in patients with premature rupture of membranes. J Reprod Med 9:339-45, Dec 72
BIRTH WEIGHT/ DELIVERY/ FEMALE/ *FETAL MEMBRANES/ HEART RATE/ HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ *LABOR, PREMATURE/ PREGNANCY/ *PROSTAGLANDINS

197. **Barlow JF, Mutch MG:** Forty-seven year old woman with dyspnea and multiple nodules in the lung fields.
SD J Med 26:13-9, Jan 73
BRONCHOPNEUMONIA, pathology/ *CHORIOCARCINOMA, pathology/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, pathology/ *LUNG NEOPLASMS, pathology/ LYMPH NODES, pathology/ MIDDLE AGE/ MYOCARDIUM, pathology/ NEOPLASM METASTASIS/ NEPHROSCLEROSIS, pathology/ SPLENIC NEOPLASMS, pathology

198. **Barlow P:** The influence of inactive chromosomes on human development. Anomalous sex chromosome complements and the phenotype.
Humangenetik 17:105-36, 1973
BIRTH WEIGHT/ BODY HEIGHT/ CELL DIFFERENTIATION/ CELL DIVISION/ CELLS, CULTURED/ DERMATOGLYPHICS/ FEMALE/ HETEROCHROMATIN/ HUMAN/ IMMUNOGLOBULINS/ INTELLIGENCE/ MALE/ MITOSIS/ MOSAICISM/ *PHENOTYPE/

*SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOMES

199. **Barnes EW, Irvine WJ, Ismail AA:** Drugs in infertility. Br Med J 1:234, 27 Jan 73
*ANABOLIC STEROIDS, therapeutic use/ FSH, urine/ HUMAN/ *HYPOGONADISM, drug therapy/ LH, urine/ MALE/ METHANE, therapeutic use/ *STANOLONE, therapeutic use/ TESTOSTERONE, therapeutic use

200. **Barnes RH, Kwong E, Morrissey L, et al:** Maternal protein deprivation during pregnancy or lactation in rats and the efficiency of food and nitrogen utilization of the progeny. J Nutr 103:273-84, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY COMPOSITION/ BODY WEIGHT/ CASEIN/ DIETARY PROTEINS, administration & dosage/ FECES, analysis/ FEMALE/ FETAL DISEASES, metabolism/ GLUTEN/ LACTATION/ MALE/ MATERNAL-FETAL EXCHANGE/ *NITROGEN, metabolism/ NITROGEN, urine/ OXYGEN CONSUMPTION/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROTEIN-CALORIE MALNUTRITION, metabolism/ *PROTEIN DEFICIENCY, metabolism/ RATS/ SEX FACTORS/ SOMATOTROPIN, pharmacodynamics/ WHEAT

201. **Barra HS, Rodriguez JA, Arce CA, et al:** A soluble preparation from rat brain that incorporates into its own proteins (14 C)arginine by a ribonuclease-sensitive system and (14 C)tyrosine by a ribonuclease-insensitive system.
J Neurochem 20:97-108, Jan 73
AGE FACTORS/ AMINO ACIDS, metabolism/ AMINO ACYL T RNA SYNTHETASES, metabolism/ ANIMAL EXPERIMENTS/ *ARGININE, metabolism/ BRAIN, enzymology/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ CHEMISTRY/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ PRONASE/ PROTEINS, analysis/ *PROTEINS, biosynthesis/ RATS/ *RIBONUCLEASE, metabolism/ RNA, TRANSFER, metabolism/ THYROID GLAND, metabolism/ TIME FACTORS/ TRITIUM/ TRYPSIN/ *TYROSINE, metabolism/ VALINE, metabolism

202. **Barra J, Mouly R, Dufourmentel C:** Traitement des chéloïdes et des cicatrices chéloïdiennes par injections locales de corticoïdes.
Ann Chir Plast 18:59-64, 1973 (Fre)
ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, administration & dosage/ INJECTIONS/ *KELOID/ *KELOID, drug therapy

203. **Barrett MJ, Cohen PS:** Radioimmunoassay of serum renin activity and digoxin concentrations, with use of polyethylene glycol to separate free and antibody-bound ligand. Clin Chem 18:1339-42, Nov 72
ANGIOTENSIN/ ANTIBODIES/ *ANTIBODY DISSOCIATION/ *DIGOXIN, blood/ GLYCOLS/ HUMAN/ POLYETHYLENES/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *RENIN, blood/ SOLUBILITY/ TRITIUM

204. **Barrowman JA, Mayston PD:** Pancreatic secretion in lactating rats. J Physiol (Lond) 229:41P-42P, Feb 73
AMYLASE, secretion/ ANIMAL EXPERIMENTS/ CHOLECYSTOKININ, pharmacodynamics/ DNA, analysis/ FEMALE/ *LACTATION/ ORGAN WEIGHT/ PANCREAS, analysis/ PANCREAS, anatomy & histology/ PANCREAS, drug effects/ *PANCREAS, secretion/ PANCREATIC JUICE, analysis/ PROTEINS, analysis/ RATS

205. **Bartelheimer H:** Die kalzipenischen Osteopathien aus der Sicht des Rheumatologen.
Z Rheumaforsch 31:321-4, Sep-Oct 72 (Ger)
*BONE DISEASES, metabolism/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ OSTEOMALACIA, metabolism/ OSTEOPOROSIS, metabolism/ RHEUMATISM, metabolism

206. **Bartholomew AA, Harvey J:** XYY males in Victoria: two further examples. Med J Aust 2:908, 14 Oct 72
ADULT/ BODY HEIGHT/ CASE REPORT/ *CHROMOSOME ABERRATIONS/ HUMAN/ MALE/ MENTAL RETARDATION/ *PERSONALITY DISORDERS/ *SEX CHROMOSOMES

207. **Bartke A, Steele RE, Musto N, et al:** Fluctuations in plasma testosterone levels in adult male rats and mice. Endocrinology 92:1223-8, Apr 73
ANIMAL EXPERIMENTS/ IODINE ISOTOPES/ LH, blood/ MALE/ RADIOIMMUNOASSAY/ RATS/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

208. **Bartkowiak K, Mikolajczyk J, Walczak M:** Lipoatrophic diabetes--zespół Berardinelli'ego Seipa i Lawrence'a. Wiad Lek 26:45-8, 1 Jan 73 (Pol)
*ABNORMALITIES, MULTIPLE/ ACANTHOSIS NIGRICANS, diagnosis/ AUTOPSY/ CARDIOVASCULAR DISEASES, pathology/ CHILD/ DIABETES MELLITUS/ *DWARFISM/ FEMALE/ HUMAN/ INFANTILISM/ *LIPODYSTROPHY, familial & genetic/ MENTAL RETARDATION/ *PITUITARY DISEASES/ *PROGERIA/ SYNDROME

209. **Barton AD, Lourenço RV:** Bronchial secretions and mucociliary clearance. Biochemical characteristics. Arch Intern Med 131:140-4, Jan 73 (33 ref.)
*ACYLTRANSFERASES, secretion/ *AEROSOLS/ *BRONCHI, secretion/ BRONCHIECTASIS, metabolism/ CALCIUM, metabolism/ CARBOHYDRATES, metabolism/ CILIA, physiology/ CYSTIC FIBROSIS, metabolism/ DNA, metabolism/ FUCOSE, metabolism/ GLUTAMYL TRANSPEPTIDASE, secretion/ *GLYCOPROTEINS, secretion/ HEXOSAMINES, metabolism/ HEXOSES, metabolism/ HUMAN/ LARYNGECTOMY/ LIPIDS, metabolism/ MUCOUS MEMBRANE, physiology/ MUCOUS MEMBRANE, secretion/ NEURAMINIC ACIDS, metabolism/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ PROTEINS, metabolism/ *RESPIRATORY SYSTEM, physiology/ REVIEW/ SODIUM, metabolism/ *SPUTUM/ SPUTUM, secretion/ VISCOSITY

210. **Bartter FC:** Bone as a target organ: toward a better definition of osteoporosis.
Perspect Biol Med 16:215-31, Winter 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *BONE AND BONES/ BONE MATRIX/ BONE RESORPTION/ CALCIUM, metabolism/ COLLAGEN, metabolism/ ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ HYDROXYPROLINE, metabolism/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, metabolism/ MALE/ OSTEITIS FIBROSA CYSTICA, etiology/ OSTEOMALACIA, etiology/ *OSTEOPOROSIS/ OSTEOPOROSIS, etiology/ PARATHYROID HORMONE, physiology/ PROLINE, metabolism/ RICKETS, etiology/ THYROCALCITONIN, physiology

211. **Barwin BN, McCalden TA:** The inhibitory action of oestradiol-17beta and progesterone on human venous smooth muscle. J Physiol (Lond) 227:41P-42P, Dec 72
DEPRESSION, CHEMICAL/ *ESTRADIOL, pharmacodynamics/ FEMORAL VEIN, drug effects/ HUMAN/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *PROGESTERONE, pharmacodynamics/ *VEINS, drug effects

212. **Bass NH, Young E:** Effects of hypothyroidism on the differentiation of neurons and glia in developing rat cerebrum. J Neurol Sci 18:155-73, Feb 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, growth & development/ *CELL DIFFERENTIATION/ CEREBROSIDES, metabolism/ CHOLESTEROL, metabolism/ DNA, metabolism/ GANGLIOSIDES, metabolism/ *GROWTH DISORDERS, etiology/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, metabolism/ LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ NERVE TISSUE PROTEINS, metabolism/

NEURAMINIC ACIDS, metabolism/ *NEUROGLIA/ *NEURONS/ RATS/ RNA, metabolism/ SOMATOSENSORY CORTEX, growth & development/ SOMATOSENSORY CORTEX, metabolism/ THYROIDECTOMY

213. **Basu J:** Effect on reproductive organs of three clomipbene analogues. Br J Pharmacol 46:324-8, Oct 72
ANIMAL EXPERIMENTS/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pbarmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ ESTROGENS, pharmacodynamics/ ETHERS, pharmacodynamics/ ETHYLAMINES, pharmacodynamics/ FEMALE/ MALE/ MICE/ NITRO COMPOUNDS, pharmacodynamics/ ORGAN WEIGHT/ PROGESTERONE, pharmacodynamics/ PROSTATE, cytology/ PROSTATE, drug effects/ RABBITS/ SEMINAL VESICLES, cytology/ SEMINAL VESICLES, drug effects/ *STILBENES, pbarmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, cytology/ TESTIS, drug effects/ TIME FACTORS/ *UTERUS, drug effects/ *VAGINA, drug effects

214. **Batchelor A, Bell ET, Christie DW:** Urinary oestrogen excretion in the heagle hitcb.
Br Vet J 128:560-6, Nov 72
ANIMAL EXPERIMENTS/ *DOGS, physiology/ ESTRADIOL, urine/ ESTRIOL, urine/ ESTROGENS, blood/ ESTROGENS, urine/ *ESTROGENS, urine/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ OVULATION

215. **Batra S:** The effect of sodium and potassium on calcium uptake hy frog skeletal muscle mitochondria and vesicles. Can J Physiol Pharmacol 50:1157-61, Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FROGS/ IN VITRO/ LEG, metabolism/ MICROSOMES, metaholism/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, cytology/ MUSCLES, drug effects/ *MUSCLES, metabolism/ POTASSIUM, administration & dosage/ *POTASSIUM, pharmacodynamics/ RANA TEMPORARIA/ SODIUM, administration & dosage/ *SODIUM, pharmacodynamics

216. **Batt RA:** Tbe response of the reproductive system in tbe female mutant mouse, obese (genotype obob) to gonadotrophin-releasing hormones.
J Reprod Fertil 31:496-7, Dec 72
ANIMAL EXPERIMENTS/ CERVIX MUCUS/ FEMALE/ LEUKOCYTES/ MICE/ *MICE, INBRED STRAINS, physiology/ *OBESITY, familial & genetic/ *OVARY, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ VAGINAL SMEARS

217. **Batten JC, Clarke SW, Gregg I, et al:** Corticosteroid witbdrawal in asthma. Br Med J 1:296, 3 Feb 73
ADRENAL GLAND DISEASES, cbemically induced/ ADULT/ *ASTHMA, drug therapy/ BECLOMETHASONE, tberapeutic use/ *CORTICOTROPIN, therapeutic use/ *DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use

218. **Bauch K, Zimmermann S, Lewicki I, et al:** Zum Verhalten der Immunoglobuline bei immunsuppressiver Therapie chronischer Lebererkrankungen.
Dtsch Gesundheitsw 27:2135-7, 9 Nov 72 **(Ger)**
AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *HEPATITIS, drug therapy/ HEPATITIS, immunology/ HUMAN/ IGA/ IGG/ IGM/ *IMMUNOGLOBULINS/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, immunology/ MALE/ PREDNISOLONE, therapeutic use

219. **Bauchart J, Colin G, Le Marec B, et al:** Les malformations urinaires dans le syndrome de Turner.
Rev Fr Gynecol Obstet 67:553-7, Oct 72 **(Fre)**
ADULT/ ANGIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY, abnormalities/ *KIDNEY CALCULI, complications/ *TURNER'S SYNDROME, complications/ UROGRAPHY

220. **Baumann D:** Neue Arzneistoffe. 9.
Pharm Prax 2:Suppl 2:46-8, 1973 **(Ger)**
ANDROGENS, antagonists & inhibitors/ *ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ BLEOMYCIN, administration & dosage/ BLEOMYCIN, adverse effects/ BLEOMYCIN, therapeutic use/ COUMARINS, administration & dosage/ COUMARINS, adverse effects/ *COUMARINS, therapeutic use/ CYPROTERONE, administration & dosage/ CYPROTERONE, adverse effects/ CYPROTERONE, therapeutic use/ ENDOCARDITIS, drug therapy/ HUMAN/ MALE/ NEOPLASMS, drug therapy/ PNEUMONIA, drug therapy/ PREGNADIENES, therapeutic use/ SEX DEVIATION, drug therapy/ STRUCTURE-ACTIVITY RELATIONSHIP/ TETRACYCLINE, administration & dosage/ TETRACYCLINE, adverse effects/ *TETRACYCLINE, therapeutic use/ URINARY TRACT INFECTIONS, drug therapy/ VITILIGO, drug therapy

221. **Baumann M:** Injektionsbehandlung bei Kiefergelenkbeschwerden.
Schweiz Monatsschr Zahnheilkd 83:18-22, 1973 **(Ger)**
CHRONIC DISEASE/ DENTAL OCCLUSION, TRAUMATIC, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYALURONIDASE, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ *PREDNISOLONE, therapeutic use/ RECURRENCE/ *TEMPOROMANDIBULAR JOINT SYNDROME, drug tberapy/ TEMPOROMANDIBULAR JOINT SYNDROME, etiology

222. **Baumgarten HG:** Innervation der ableitenden Samenwege des Menschen: Angriffsorte und Wirkung von Psychopharmaka.
Arch Dermatol Forsch 244:471-4, 1972 **(Ger)**
AFFECTIVE DISTURBANCES, complications/ AMITRIPTYLINE, pharmacodynamics/ *AMITRIPTYLINE, therapeutic use/ DESIPRAMINE, pharmacodynamics/ HUMAN/ IMIPRAMINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ SEROTONIN, metaholism/ *STERILITY, MALE, drug tberapy/ STERILITY, MALE, etiology/ *VAS DEFERENS, innervation

223. **Baxter-Grillo DL, Amakawa T, Ito R:** Enzyme histocbemistry and hormones of the developing gastrointestinal tract of the chick embryo. V. The ultrastructural and biochemical evidence for tbe presence of an insulin like substance, enteroglucagon and serotonin in tbe developing chick duodenum.
Histochemie 33:281-6, 1973
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ DUODENUM, analysis/ DUODENUM, cytology/ *DUODENUM, embryology/ GESTATIONAL AGE/ GLUCAGON, analysis/ HISTOCYTOCHEMISTRY/ INSULIN, analysis/ MICROSCOPY, ELECTRON/ SEROTONIN, analysis

224. **Beal JM:** Bone cysts in renal disease.
Ill Med J 143:255-7 passim, Mar 73
*BONE CYST, etiology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, surgery/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY, POLYCYSTIC, complications/ MIDDLE AGE/ RENAL OSTEODYSTROPHY, diagnosis/ *RENAL OSTEODYSTROPHY, etiology

225. **Beam LR:** Pancuronium bromide side effects.

JAMA 223:1044, 26 Feb 73
*ANDROSTANES, adverse effects/ *ARRHYTHMIA, chemically induced/ ASTHMA, drug therapy/ *CURARE-LIKE AGENTS, adverse effects/ *HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ PANCURONIUM, adverse effects/ PANCURONIUM, therapeutic use

226. **Beauvallet M, Legrand M, Soller M:** Etude des teneurs en catécholamines de différents tissus du rat exposé 4 heures à la chaleur et au froid.
J Physiol (Paris) 65:Suppl:196A, Oct 72 **(Fre)**
ADRENAL MEDULLA, analysis/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BROWN FAT, analysis/ BROWN FAT, drug effects/ *CATECHOLAMINES, metabolism/ *COLD/ EPINEPHRINE, analysis/ EPINEPHRINE, biosynthesis/ HEART, drug effects/ *HEAT/ MALE/ MYOCARDIUM, analysis/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, biosynthesis/ RATS/ TYROSINE, pharmacodynamics

227. **Beazley JM:** Induction of labor with prostaglandins: summary of present status.
J Reprod Med 9:469-71, Dec 72
ADMINISTRATION, ORAL/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ OXYTOCIN/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ UTERUS, drug effects

228. **Beazley JM, Brummer HC, Kurjak A:** Distribution of 9-H 3 -prostaglandin F 2 in pregnant and non-pregnant subjects.
J Obstet Gynaecol Br Commonw 79:800-3, Sep 72
ADIPOSE TISSUE, metabolism/ FALLOPIAN TUBES, metabolism/ FECES, analysis/ FEMALE/ FETUS, analysis/ HUMAN/ LIVER, metabolism/ LUNG, metabolism/ OVARY, metabolism/ *PREGNANCY/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, urine/ SKIN, metabolism/ TRITIUM/ UMBILICUS, metabolism/ UTERUS, metabolism

229. **Bec P, Bayard F, Louvet JP:** 25-Hydroxycholecalciderol dynamics in human plasma.
Rev Eur Etud Clin Biol 17:793-6, Oct 72
ADULT/ HEMODIALYSIS/ HUMAN/ HYDROXYCHOLECALCIFEROL, administration & dosage/ HYDROXYCHOLECALCIFEROL, blood/ *HYDROXYCHOLECALCIFEROL, metabolism/ INJECTIONS, INTRAVENOUS/ *KIDNEY, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ NEPHRECTOMY/ TRITIUM

230. **Beck O, Schramm G, Kyselka R:** Leistet die Bestimmung der sauren Mukopolysaccharide und des Hydroxyprolins einen Beitrag zur Differentialdiagnose der fibrösen Dysplasie (Jaffé-Lichtenstein) und der Osteogenesis imperfecta congenita.
Beitr Orthop Traumatol 19:740-2, Dec 72 **(Ger)**
DIAGNOSIS, DIFFERENTIAL/ *FIBROUS DYSPLASIA OF BONE, urine/ FRACTURES, SPONTANEOUS, diagnosis/ HUMAN/ *HYDROXYPROLINE, urine/ *MUCOPOLYSACCHARIDES, urine/ *OSTEOGENESIS IMPERFECTA, urine

231. **Becker B, Podos SM, Asseff CF, et al:** Plasma cortisol suppression in glaucoma.
Am J Ophthalmol 75:73-6, Jan 73
ADMINISTRATION, ORAL/ CHROMATOGRAPHY, GAS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, diagnostic use/ DEXAMETHASONE, metabolism/ DIPHENYLHYDANTOIN, diagnostic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ GLAUCOMA, blood/ *GLAUCOMA, physiopathology/ HUMAN/ *HYDROCORTISONE, blood/ INTRAOCULAR PRESSURE, drug effects

232. **Becker KL:** Pseudohypohyper what?
Postgrad Med 53:198-9, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ NOMENCLATURE/ *PARATHYROID HORMONE, diagnostic use/ *PSEUDOHYPOPARATHYROIDISM, diagnosis

233. **Becker KL:** Management of thyroid disorders.
Postgrad Med 53:60-5, Feb 73
HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, drug therapy/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ PROPRANOLOL, therapeutic use/ *THYROID DISEASES/ THYROID DISEASES, diagnosis/ THYROID DISEASES, etiology/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ THYROIDITIS, diagnosis/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

234. **Becker KL, Martin B, Boukhris R:** Effect of exogenous estrogen and progesterone upon sex chromatin frequency. J Urol 109:79-81, Jan 73
CHEEK, cytology/ EPITHELIAL CELLS, drug effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MENOPAUSE/ MITOSIS, drug effects/ MOUTH MUCOSA, cytology/ PROGESTERONE, pharmacodynamics/ *SEX CHROMATIN/ VAGINAL SMEARS

235. **Becker PE:** Neues zur Genetik und Klassifikation der Muskeldystrophien.
Humangenetik 17:1-22, 1972 (62 ref.) **(Ger)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ CONTRACTURE/ ENGLISH ABSTRACT/ FEMALE/ GENES, DOMINANT/ GENES, LETHAL/ GENES, RECESSIVE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ MUSCULAR DYSTROPHY, classification/ *MUSCULAR DYSTROPHY, familial & genetic/ PEDIGREE/ REVIEW/ SEX CHROMOSOME ABNORMALITIES

236. **Becker RM, Daniel RK:** Increased antidiuretic hormone production after trauma to the craniofacial complex.
J Trauma 13:112-5, Feb 73
ADULT/ BODY WATER/ BRAIN INJURIES, ACUTE, complications/ *BRAIN INJURIES, ACUTE, physiopathology/ *DIABETES INSIPIDUS, etiology/ FACIAL INJURIES, complications/ *FACIAL INJURIES, physiopathology/ FEMALE/ FRACTURES, complications/ *FRACTURES, physiopathology/ HUMAN/ *HYPONATREMIA, etiology/ HYPOTHALAMUS, metabolism/ MALE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, secretion/ PROSPECTIVE STUDIES/ *SKULL FRACTURES, physiopathology/ SODIUM, blood/ VASOPRESSIN, biosynthesis/ *VASOPRESSIN, secretion

237. **Beckerhoff R, Luetscher JA, Beckerhoff I, et al:** Effects of oral contraceptives on the renin-angiotensin system and on blood pressure of normal young women. Johns Hopkins Med J 132:80-7, Feb 73
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, blood/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ *RENIN, blood

238. **Beckman EL, Smith EM:** Tektite II: medical supervision of the scientists in the sea. XIV. Biochemical, hematological, and endocrine studies.
Tex Rep Biol Med 30:191-201, Fall 72
ADULT/ ANGIOTENSIN, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BILIRUBIN, analysis/ BLOOD CELL COUNT/ BLOOD CHEMICAL ANALYSIS/ BLOOD PROTEINS,

analysis/ *DIVING/ ERYTHROCYTE COUNT/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ HYDROCORTISONE, blood/ LACTATE DEHYDROGENASE, blood/ LEUKOCYTE COUNT/ MALE/ NEUTROPHILS/ *SUBMARINE MEDICINE/ THYROID HORMONES, blood/ TIME FACTORS

239. **Beckman L, Schoultz B von, Stigbrand T:** Detection of the "pregnancy zone" protein by means of an immunodiffusion method.
Acta Obstet Gynecol Scand 52:157-60, 1973
*ALPHA GLOBULIN, analysis/ AMNIOTIC FLUID, analysis/ ANTIBODY FORMATION/ BLOOD/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ METHODS/ PRECIPITATION/ PREGNANCY/ RABBITS, immunology/ UMBILICAL CORD

240. **Bedford JM, Overstreet JW:** A method for objective evaluation of the fertilizing ability of spermatozoa irrespective of genetic character.
J Reprod Fertil 31:407-14, Dec 72
ANIMAL EXPERIMENTS/ CELL DIVISION/ FEMALE/ *FERTILIZATION/ GENETICS/ GONADOTROPINS, CHORIONIC/ INSEMINATION/ MALE/ MITOSIS/ OVUM/ RABBITS/ RADIATION EFFECTS/ *SPERMATOZOA/ SPERMATOZOA, radiation effects/ TIME FACTORS

241. **Beer R, Beer D:** Beeinflussung der myokardialen Kontraktilität durch Narkotika.
Munch Med Wochenschr 115:281-9, 23 Feb 73 (32 ref.) (Ger)
*ANESTHETICS, adverse effects/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HALOTHANE, adverse effects/ *HEART, drug effects/ HEART CATHETERIZATION/ *HEART DISEASES, complications/ HEART VENTRICLE, drug effects/ HUMAN/ HYDROCARBONS, HALOGENATED, adverse effects/ HYDROXYSTEROIDS, adverse effects/ IN VITRO/ KETAMINE, adverse effects/ KETOSTEROIDS, adverse effects/ MANOMETRY/ METHOHEXITAL, adverse effects/ METHOXYFLURANE, adverse effects/ METHYL ETHER, adverse effects/ MORPHINE/ NEUROLEPTOANALGESIA/ PAPILLARY MUSCLES, drug effects/ PREGNANES, adverse effects/ PROPANIDID, adverse effects/ REVIEW

242. **Behman SJ, Amano Y:** Monkey anti-placental serum as an abortifacient. Contraception 5:357-68, May 72
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ GESTATIONAL AGE/ GOATS, immunology/ GONADOTROPINS, CHORIONIC/ IGG, therapeutic use/ IMMUNE SERUMS, pharmacodynamics/ IMMUNOELECTROPHORESIS/ MACACA/ MALE/ METHODS/ MONKEYS/ NEUTRALIZATION TESTS/ PASSIVE TRANSFER/ PLACENTA, immunology/ PLACENTAL EXTRACTS/ PREGNANCY/ RABBITS, immunology/ SPECIAL LIST REPRODUCTION

243. **Bekhtereva EP, Sapronov NS:** Vliianie étimizola na gonadotropnuiu funktsiiu gipofiza.
Farmakol Toksikol 35:563-6, Sep-Oct 72 (Rus)
ADRENALECTOMY/ AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENZOATES, administration & dosage/ BENZOATES, pharmacodynamics/ DEPRESSION, CHEMICAL/ DICARBOXYLIC ACIDS, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ FSH, blood/ *FSH, secretion/ *GENITALIA, drug effects/ HYPOPHYSECTOMY/ IMIDAZOLES, administration & dosage/ *IMIDAZOLES, pharmacodynamics/ LH, blood/ *LH, secretion/ MALE/ ORGAN WEIGHT/ OVARY, drug effects/ OVULATION, drug effects/ *PITUITARY GLAND, metabolism/ PROSTATE, drug effects/ RATS/ SECRETORY RATE, drug effects/ SEMINAL VESICLES, drug effects/ TESTIS, drug effects/ UTERUS, drug effects

244. **Belaich S, Blanchet P, Civatte J:** Principes généraux du traitement de l'eczéma.
Rev Prat 22:2725-33, 11 Jun 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ BACTERIAL INFECTIONS, therapy/ DERMATITIS, ATOPIC, therapy/ DERMATITIS, CONTACT, therapy/ DERMATOMYCOSIS, therapy/ DIET THERAPY/ ECZEMA, therapy/ POMPHOLYX, therapy/ SPECIAL LIST FOREIGN

245. **Belič I, Sočič H:** Microbial dehydrogenation of tomatidine. J Steroid Biochem 3:843-6, Sep 72
HYDROXYSTEROID DEHYDROGENASE, biosynthesis/ KETOSTEROIDS, biosynthesis/ NOCARDIA, enzymology/ *NOCARDIA, metabolism/ OXIDATION-REDUCTION/ PYRIDINES, metabolism/ *SPIRO COMPOUNDS, metabolism/ *STEROIDS, metabolism/ TOMATINE, metabolism

246. **Bell AM, Browne JW, Denny WA, et al:** Microbiological hydroxylation of steroids. VI. Hydroxylation of simple mono- and di-oxygenated 5 -androstanes and of 3-oxoestranes with the fungus Aspergillus ochraceus.
J Chem Soc [Perkin I] 23:2930-6, 1972
*ANDROSTANES, metabolism/ *ASPERGILLUS, metabolism/ BIOTRANSFORMATION/ *ESTRANES, metabolism/ HYDROXYLATION/ HYDROXYSTEROIDS, biosynthesis/ KETOSTEROIDS, metabolism

247. **Bell C, McLean JR:** The autonomic innervation of the rat testicular capsule. J Reprod Fertil 32:253-8, Feb 73
ACETYLCHOLINESTERASE/ ANIMAL EXPERIMENTS/ *AUTONOMIC NERVOUS SYSTEM/ BRETYLIUM COMPOUNDS, pharmacodynamics/ CATECHOLAMINES/ ELECTRIC STIMULATION/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ MALE/ MOTOR NEURONS/ MUSCLE CONTRACTION, drug effects/ RATS/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC/ SCOPOLAMINE, pharmacodynamics/ STAINS AND STAINING/ *TESTIS, innervation

248. **Bell J, Spitz I, Perlman A, et al:** Heterogeneity of gonadotropin response to LHRH in hypogonadotropic hypogonadism.
J Clin Endocrinol Metab 36:791-4, Apr 73
ADOLESCENCE/ ADULT/ *FSH, blood/ HUMAN/ *HYPOGONADISM, blood/ *LH, blood/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ TIME FACTORS

249. **Bell PR:** Nucleocytoplasmic interaction in the eggs of Pteridium aquilinum maturing in the presence of thiouracil. J Cell Sci 11:739-55, Nov 72
CELL MEMBRANE/ CELL NUCLEOLUS/ *CELL NUCLEUS/ CULTURE MEDIA/ *CYTOPLASM/ DEOXYRIBONUCLEASE, analysis/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OVUM, cytology/ OVUM, drug effects/ OVUM, enzymology/ *OVUM, growth & development/ PLANTS, cytology/ *PLANTS, embryology/ PRONASE, analysis/ RIBONUCLEASE, analysis/ THIOURACIL, pharmacodynamics

250. **Bellabarba D, Bénard B, Verdy M, et al:** Congenital goiter with triiodothyronine as the main circulating thyroid hormone. Horm Metab Res 4:488-92, Nov 72
ADOLESCENCE/ ADULT/ ELECTROPHORESIS, PAPER/ FEMALE/

*GOITER, congenital/ GOITER, surgery/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ REFLEX, TENDON/ THYROIDECTOMY/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood

251. **Belshaw BE, Becker DV:** Necrosis of follicular cells and discharge of thyroidal iodine induced by administering iodide to iodine-deficient dogs. J Clin Endocrinol Metab 36:466-74, Mar 73
ANIMAL EXPERIMENTS/ DOGS/ EPITHELIUM/ FEMALE/ *IODIDES, pharmacodynamics/ IODINE, blood/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ KINETICS/ NECROSIS, etiology/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism

252. **Beitz L, Linzbach C, Theien M, et al:** Lymphographische Metastasenkriterien im Lymphangiogramm--Diagnose und Differentialdiagnose.
Radiol Diagn (Berl) 13:604-9, 1972 (Ger)
ADULT/ CARCINOMA/ CERVIX NEOPLASMS, radiography/ COLLATERAL CIRCULATION/ DIAGNOSIS, DIFFERENTIAL/ DISGERMINOMA, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYMPHATIC DISEASES, radiography/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ TESTICULAR NEOPLASMS, radiography/ VAGINAL NEOPLASMS, radiography

253. **Ben-Ishay D, Levy M, Birnbaum D:** Self-induced secondary hyperaldosteronism simulating Bartter's syndrome. Isr J Med Sci 8:1835-9, Nov 72
ADULT/ ALKALOSIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *DRUG ABUSE/ FEMALE/ *FUROSEMIDE, adverse effects/ HUMAN/ *HYPERALDOSTERONISM, chemically induced/ HYPERALDOSTERONISM, pathology/ HYPERTROPHY/ HYPOKALEMIA, diagnosis/ HYPONATREMIA, diagnosis/ *JUXTAGLOMERULAR APPARATUS, drug effects/ JUXTAGLOMERULAR APPARATUS, pathology/ *KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, pathology/ POTASSIUM DEFICIENCY, diagnosis/ RENIN, blood/ SELF MEDICATION/ URIC ACID, blood

254. **Benatti O, Neder AC, Toledo S de:** Avalia cão sobre o efeito dos corticosteroides nas pericementites traumáticas. Incisivo 1:17 passim, Sep 72 (Por)
ADRENAL CORTEX HORMONES, therapeutic use/ DENTAL OCCLUSION, TRAUMATIC, complications/ PERIODONTITIS, drug therapy/ SPECIAL LIST DENTAL

255. **Bencsáth P, Szalay L, Debreczeni LA, et al:** Denervation diuresis and renin secretion in the anaesthetized dog. Eur J Clin Invest 2:422-5, Nov 72
ANIMAL EXPERIMENTS/ DIURESIS/ DOGS/ FEMALE/ KIDNEY, innervation/ *KIDNEY, physiology/ MALE/ NATRIURESIS/ RENIN, blood/ *RENIN, secretion/ *SODIUM, urine/ SPLANCHNIC NERVES, physiology

256. **Bender DA, Coulson WF:** Variations in aromatic amino acid decarboxylase activity towards DOPA and 5-hydroxytryptophan caused by pH changes and denaturation. J Neurochem 19:2801-10, Dec 72
AMINO ACIDS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXY-LYASES, antagonists & inhibitors/ *CARBOXY-LYASES, metabolism/ CHROMATOGRAPHY, PAPER/ DECARBOXYLATION/ DIALYSIS/ *DOPA, metabolism/ DOPA, pharmacodynamics/ DOPA DECARBOXYLASE, analysis/ DOPAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ INDICATORS AND REAGENTS/ KINETICS/ LIVER, enzymology/ MALE/ PROTEIN DENATURATION, drug effects/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SODIUM DODECYL SULFATE, pharmacodynamics/ UREA, pharmacodynamics

257. **Bender MB:** Cerebellopontine angle tumors or acoustic neuromas. Long-range management.
Arch Otolaryngol 97:160-5, Feb 73
*ACOUSTIC NERVE/ AGED/ CEREBELLAR NEOPLASMS, drug therapy/ CEREBELLAR NEOPLASMS, radiography/ CEREBELLAR NEOPLASMS, radiotherapy/ CEREBELLAR NEOPLASMS, surgery/ *CEREBELLAR NEOPLASMS, therapy/ *CEREBELLOPONTILE ANGLE/ FEMALE/ HUMAN/ MALE/ MENINGIOMA, drug therapy/ MENINGIOMA, radiography/ MENINGIOMA, radiotherapy/ *MENINGIOMA, therapy/ MIDDLE AGE/ NEURILEMMOMA, drug therapy/ NEURILEMMOMA, radiography/ NEURILEMMOMA, radiotherapy/ NEURILEMMOMA, surgery/ NEURILEMMOMA, therapy/ PNEUMOENCEPHALOGRAPHY/ PREDNISONE, therapeutic use

258. **Benendo-Kapuścińska B, Malanowska S:** Diagnostic pneumomediastinography in 100 cases of myasthenia gravis. Pol Med J 11:1292-8, 1972
ADULT/ AGE FACTORS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, surgery/ ORGAN WEIGHT/ *PNEUMOMEDIASTINUM, DIAGNOSTIC/ PNEUMOMEDIASTINUM, DIAGNOSTIC, adverse effects/ PNEUMOTHORAX, etiology/ SEX FACTORS/ THYMECTOMY/ THYMOMA, complications/ THYMOMA, radiography/ THYMUS GLAND, anatomy & histology/ *THYMUS GLAND, radiography/ THYMUS HYPERPLASIA, complications/ THYMUS HYPERPLASIA, radiography/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, radiography/ TOMOGRAPHY, RADIOGRAPHIC

259. **Benes P, Oertel GW:** Inhibition of glucose-6-phosphate dehydrogenase by steroids.
J Steroid Biochem 3:799-801, Sep 72
ESTRONE, pharmacodynamics/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ *17-KETOSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ METHYL ETHER, pharmacodynamics/ *PLACENTA, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP

260. **Benezech M, Noël B, Messager A, et al:** Agressivite, débilité mentale et épilepsie chez un sujet de carotype 47 XYY-48XXY.
Rev Neuropsychiatr Infant 20:773-5, Oct 72 (Fre)
ADOLESCENCE/ *AGGRESSION/ CASE REPORT/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *EPILEPSY, GRAND MAL, familial & genetic/ HUMAN/ KARYOTYPING/ MALE/ *MENTAL RETARDATION, familial & genetic/ *MOSAICISM/ *SEX CHROMOSOME ABNORMALITIES

261. **Benini A:** Pseudotumor cerebri. Gutartige intrakranielle Drucksteigerung.
Dtsch Med Wochenschr 98:17-8, 5 Jan 73 (Ger)
ADULT/ ANEMIA, HYPOCHROMIC, complications/ FEMALE/ HORMONES, adverse effects/ HUMAN/ MALE/ NALIDIXIC ACID, adverse effects/ PSEUDOTUMOR CEREBRI, chemically induced/ PSEUDOTUMOR CEREBRI, diagnosis/ *PSEUDOTUMOR CEREBRI, etiology/ SEX FACTORS/ TETRACYCLINE, adverse effects/ VITAMIN A, adverse effects

262. **Benjafield JG, Rutter LF:** Diagnostic tests in alcoholism. Br J Addict 67:231-4, Dec 72
*ALCOHOLISM, diagnosis/ ALCOHOLISM, urine/ AMINO ACIDS, metabolism/ BLOOD SUGAR/ DERMATOGLYPHICS/ FEMALE/ FOOD PREFERENCES/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/

NICOTINIC ACID, metabolism/ SEX DISORDERS/ STEROIDS, urine

263. **Bennett AH, Cain JP, Diuhy RG, et al:** Surgical treatment of adrenocortical hyperplasia: 20-year experience.
Trans Am Assoc Genitourin Surg 64:90-3, 1972
ADENOMA, complications/ ADENOMA, radiography/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, diagnosis/ *ADRENAL GLAND DISEASES, surgery/ ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENALECTOMY/ ADULT/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, surgery/ DEXAMETHASONE, diagnostic use/ FEMALE/ GLUCOCORTICOIDS, secretion/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPERPLASIA, surgery/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ PITUITARY GLAND IRRADIATION/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS

264. **Bennett EJ, Bowyer DE, Giesecke AH Jr, et al:** Pancuronium bromide: a double-blind study in children. Anesth Analg (Cleve) 52:12-8, Jan-Feb 73
*ANDROSTANES/ *ANESTHESIA, GENERAL/ ANESTHESIA, INHALATION/ BLOOD PRESSURE, drug effects/ BROMIDES/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS/ HISTAMINE LIBERATION, drug effects/ HUMAN/ INFANT/ INTUBATION, INTRATRACHEAL/ NITROUS OXIDE/ PANCURONIUM/ PANCURONIUM, adverse effects/ PANCURONIUM, pharmacodynamics/ PHARYNX, secretion/ PULSE, drug effects/ SURGERY, OPERATIVE/ TIME FACTORS/ TRACHEA, secretion/ TUBOCURARINE, adverse effects/ TUBOCURARINE, pharmacodynamics

265. **Bennett RC, Olds D, Deaton OW, et al:** Nature of white heifer disease (partial genital aplasia) and its mode of inheritance. Am J Vet Res 34:13-9, Jan 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, congenital/ CATTLE DISEASES, familial & genetic/ CERVIX UTERI, abnormalities/ FEMALE/ GENES, RECESSIVE/ GENOTYPE/ HOMOZYGOTE/ INBREEDING/ MALE/ PHENOTYPE/ SEX CHROMOSOMES/ *UTERUS, abnormalities/ VAGINA, abnormalities

266. **Beňo L, Chorváthová V, Bučko A, et al:** Niektoré zmeny v metabolizme vápnika po resekcii žalúdka.
Bratisl Lek Listy 58:573-80, 5 Nov 72 (Slo)
*CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *POSTOPERATIVE COMPLICATIONS/ SPRUE, etiology/ *STOMACH, surgery/ TIME FACTORS

267. **Benoit PR:** Action de la température sur la relation entre le contenu quantique et la concentration extracellulaire en calcium à la jonction neuro-musculaire de grenouille.
J Physiol (Paris) 65:Suppl:199A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ EXTRACELLULAR SPACE/ FROGS/ MAGNESIUM, metabolism/ MATHEMATICS/ *NEUROMUSCULAR JUNCTION, metabolism/ SODIUM, metabolism/ TEMPERATURE

268. **Benson B, Matthews MJ, Orts RJ:** Presence of an antigonadotropic substance in rat pineal incubation media. Life Sci [I] 11:669-77, 15 Jul 72
ANIMAL EXPERIMENTS/ CASTRATION/ CEREBELLUM/ CULTURE MEDIA/ FEMALE/ *GONADOTROPINS, antagonists & inhibitors/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ MICE/ MICE, INBRED STRAINS/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ OVARY, drug effects/ *PINEAL BODY, analysis/ PINEAL BODY, physiology/ RATS/ TISSUE EXTRACTS, administration & dosage/ *TISSUE EXTRACTS, pharmacodynamics/ TRYPSIN, pharmacodynamics

269. **Benson PA:** Psammoma bodies found in cervico-vaginal smears. Acta Cytol (Baltimore) 17:64-6, Jan-Feb 73
ADENOCARCINOMA, diagnosis/ *ADENOCARCINOMA, pathology/ *CELLULAR INCLUSIONS/ CYTODIAGNOSIS/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ VAGINAL SMEARS

270. **Ber A:** The effect of oestradiol benzoate on body, uterine, pituitary and adrenal weights in ovariectomized infantile and mature rats.
Endokrinologie 60:218-29, 1972
*ADRENAL GLANDS, drug effects/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *BODY WEIGHT, drug effects/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ ORGAN WEIGHT/ OVARY, physiology/ *PITUITARY GLAND, drug effects/ RATS/ RATS, INBRED STRAINS/ STERILIZATION, SEXUAL/ *UTERUS, drug effects

271. **Berchtold JP:** Evolution des saccules golgiens internes dans les cellules intrrénales (corticosurrénaliennes) d'Amphibiens urodèles.
C R Acad Sci [D] (Paris) 275:2519-22, 27 Nov 72 (Ger)
*ACID PHOSPHATASE, analysis/ *ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *GOLGI APPARATUS, growth & development/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MORPHOGENESIS/ PYROPHOSPHATASES, metabolism/ *SALAMANDERS/ THIAMINE PYROPHOSPHATE/ TRITURUS

272. **Bercovici B, Diamant Y, Polishuk WZ:** A simplified evaluation of vaginal cytology in third trimester pregnancy complications.
Acta Cytol (Baltimore) 17:67-72, Jan-Feb 73
APGAR SCORE/ CYTODIAGNOSIS/ DEFICIENCY DISEASES, diagnosis/ DEFICIENCY DISEASES, pathology/ FEMALE/ HUMAN/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, diagnosis/ PREGNANCY IN DIABETES, diagnosis/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, diagnosis/ PROGESTERONE/ VAGINAL SMEARS

273. **Bercovici JP:** Origine, variations et rôle physiologique des stéroïdes hormonaux au cours du cycle menstruel.
Nouv Presse Med 2:103-9, 13 Jan 73 (Fre)
CORPUS LUTEUM, secretion/ ENGLISH ABSTRACT/ ESTRADIOL, physiology/ ESTRADIOL, secretion/ ESTROGENS, physiology/ ESTROGENS, secretion/ FEMALE/ GONADOTROPINS, PITUITARY, physiology/ GRAAFIAN FOLLICLE, secretion/ HUMAN/ HYDROXYPROGESTERONE, physiology/ HYDROXYPROGESTERONE, secretion/ *OVARY, secretion/ *OVULATION/ PROGESTERONE, physiology/ PROGESTERONE, secretion/ SEX HORMONES, biosynthesis/ *SEX HORMONES, secretion

274. **Bergamaschi P, Imparato E:** Aspetti ginecologici delle piastrinopenie.
Ann Ostet Ginecol 93:428-42, Jun 72 (Ita)
ADULT/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTIHISTAMINICS, adverse effects/ ANTI-INFLAMMATORY AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ DIPHENYLHYDANTOIN, adverse effects/ DIURETICS, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC DISEASES, complications/ HORMONES, adverse effects/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ *PUERPERAL DISORDERS,

complications/ QUINIDINE, adverse effects/ SULFONAMIDES, adverse effects/ THROMBOPENIA, chemically induced/ *THROMBOPENIA, etiology

275. **Bergdahl L, Boquist L:** Secondary hypercalcemic hyperparathyroidism.
Virchows Arch [Pathol Anat] 358:225-39, 1973
ADENOMA, pathology/ ADOLESCENCE/ ADULT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ *HYPERCALCEMIA, pathology/ HYPERPARATHYROIDISM, SECONDARY, complications/ *HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PARATHYROID DISEASES, pathology/ PARATHYROID NEOPLASMS, pathology/ PYELONEPHRITIS, complications

276. **Berger R, May-Lewin F, Contesso G:** Cancer du sein et syndrome de Klinefelter.
Nouv Presse Med 2:111, 13 Jan 73 (Fre)
*ADENOCARCINOMA, complications/ *BREAST NEOPLASMS, complications/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ MIDDLE AGE

277. **Berger RS:** A critical look at therapy for the brown recluse spider bite. Arch Dermatol 107:298, Feb 73
ANIMAL EXPERIMENTS/ *ARACHNIDISM, drug therapy/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *PREDNISOLONE, therapeutic use/ RABBITS

278. **Bergfors PG:** Amning i en nordsvensk kommun.
Lakartidningen 70:290-3, 24 Jan 73 (Swe)
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ATTITUDE/ *BREAST FEEDING/ CHILD HEALTH SERVICES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LACTATION/ PARITY/ PREGNANCY/ SOCIOECONOMIC FACTORS/ SWEDEN/ TIME FACTORS

279. **Bergin WN:** Sexing of A. trestis.
Hawaii Med J 31:466-7, Nov-Dec 72
*BIRDS/ FEMALE/ MALE/ *SEX DETERMINATION/ SPECIES SPECIFICITY

280. **Bergofsky EH:** Pulmonary insufficiency after nonthoracic trauma: shock lung.
Am J Med Sci 264:92-101, Aug 72 (33 ref.)
AIRWAY RESISTANCE/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BRONCHIAL DISEASES, etiology/ CARDIAC OUTPUT/ EMBOLISM, FAT, etiology/ HUMAN/ HYPERBARIC OXYGENATION/ LUNG, pathology/ LUNG, physiopathology/ LUNG COMPLIANCE/ METHYLPREDNISOLONE, therapeutic use/ POSITIVE-PRESSURE RESPIRATION/ PULMONARY CIRCULATION/ PULMONARY EDEMA, etiology/ PULMONARY SURFACTANT, physiology/ *RESPIRATORY INSUFFICIENCY, etiology/ RESPIRATORY INSUFFICIENCY, physiopathology/ RESPIRATORY INSUFFICIENCY, therapy/ REVIEW/ SHOCK, HEMORRHAGIC, complications/ SHOCK, HEMORRHAGIC, physiopathology/ VASCULAR RESISTANCE/ VENTILATION-PERFUSION RATIO/ *WOUNDS AND INJURIES, complications

281. **Bergsagel DE, Cowan DH, Hasselback R:** Plasma cell myeloma: response of melphalan-resistant patients to high-dose intermittent cyclophosphamide.
Can Med Assoc J 107:851-5, 4 Nov 72
ADMINISTRATION, ORAL/ ADULT/ AGED/ BENCE JONES PROTEIN, urine/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG RESISTANCE/ FEMALE/ HUMAN/ IMMUNOELECTROPHORESIS/ INJECTIONS, INTRAVENOUS/ MALE/ MELPHALAN, administration & dosage/ *MELPHALAN, therapeutic use/ MIDDLE AGE/ *MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, mortality/ MYELOMA PROTEINS, analysis/ ONTARIO/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ TIME FACTORS

282. **Bergsjo P:** Postmenopausal østrogenterapi og trombose.
Tidsskr Nor Laegeforen 92:2354, 6 Dec 72 (Nor)
*CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ FIBRINOLYSIS, drug effects/ HUMAN/ MENOPAUSE/ *THROMBOEMBOLISM, chemically induced

283. **Bergström K, Lundberg PO, Sjövall A:** The volume of the sella turcica in patients with anorexia nervosa.
Eur Neurol 9:183-9, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANOREXIA NERVOSA, etiology/ *ANOREXIA NERVOSA, radiography/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, complications/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA, radiography

284. **Bergström S:** Prostaglandin research: international co-operation between industry and university.
J Reprod Med 9:250-1, Dec 72
ANIMAL EXPERIMENTS/ *DRUG INDUSTRY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ INTERNATIONAL COOPERATION/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, history/ RESEARCH/ SWEDEN/ UNITED STATES

285. **Bergström S:** Scanning electron microscopy of ovoimplantation. Arch Gynaekol 212:285-307, 1972
ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ MICROSCOPY, ELECTRON, SCANNING/ *NIDATION/ NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ SURFACE PROPERTIES

286. **Bergström S:** Interference with blastocyst implantation in the mouse by various antifertility compounds. A scanning electron microscope study.
Contraception 5:215-36, Mar 72
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ CONTRACEPTIVE AGENTS, administration & dosage/ CONTRACEPTIVE AGENTS, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIMETHYLAMINES, pharmacodynamics/ DRUG INTERACTIONS/ ESTRADIOL, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ ETHYLAMINES, pharmacodynamics/ FEMALE/ INDENES, pharmacodynamics/ METHODS/ MICE/ MICROSCOPY, ELECTRON, SCANNING/ NAPHTHALENES, pharmacodynamics/ NIDATION, drug effects/ OVUM, drug effects/ PHENOLS, pharmacodynamics/ PREGNANCY/ PROPANEDIOLS, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ STILBENES, pharmacodynamics

287. **Berl T, Schrier RW:** Mechanism of effect of prostaglandin E 1 on renal water excretion.
J Clin Invest 52:463-71, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *DIURESIS, drug effects/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ HEMATOCRIT/ HYPOPHYSECTOMY/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ KIDNEY, blood supply/ KIDNEY, innervation/ MALE/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, physiology/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ VASCULAR RESISTANCE, drug effects/ VASOPRESSIN, physiology

288. **Berle P:** Prolaktin und seine Bedeutung für die Laktation beim Menschen und beim Tier.

Zentralbl Gynaekol 94:1081-6, 9 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CATS/ COMPARATIVE STUDY/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, physiology/ GUINEA PIGS/ HUMAN/ HYPOPHYSECTOMY, adverse effects/ *LACTATION/ MALE/ MICE/ OXYTOCIN, physiology/ PITUITARY HORMONES, ANTERIOR, physiology/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, physiology/ RABBITS/ RATS

289. **Berman ML, Hanson K, Hellman IL:** Effect of breast-feeding on postpartum menstruation, ovulation, and pregnancy in Alaskan Eskimos.
Am J Obstet Gynecol 114:524-34, 15 Oct 72
ADULT/ ALASKA/ *BREAST FEEDING/ CLIMATE/ ESKIMOS/ FEMALE/ FERTILIZATION/ HUMAN/ *MENSTRUATION/ *OVULATION/ *PREGNANCY/ TIME FACTORS

290. **Bernadou A, Segond P, Bilski-Pasquier G, et al:** La laladie des chaines A propos d'une observation.
Nouv Rev Fr Hematol 12:333-49, May-Jun 72 (Fre)
ADULT/ BLOOD CELL COUNT/ CACHEXIA, etiology/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HEAVY CHAIN DISEASE, complications/ HEAVY CHAIN DISEASE, drug therapy/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ IGA/ IMMUNOELECTROPHORESIS/ LYMPH NODE EXCISION/ MALABSORPTION SYNDROMES, diagnosis/ *MALABSORPTION SYNDROMES, immunology/ PREDNISOLONE, therapeutic use

291. **Bernard J:** Lutéinisation in vitro des cellules granulosaires du rat; effet de l'actinomycine.
C R Soc Biol (Paris) 166:840-3, 1972 (Fre)
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ *DACTINOMYCIN, pharmacodynamics/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, cytology/ *GRAAFIAN FOLLICLE, drug effects/ *OVARY, drug effects/ RATS

292. **Bernard-Weil E:** Données neuro-endocriniennes nouvelles sur la maladie de Steinert, particulièrement en ce qui concerne l'axe hypothalamo-hypophyso-surrénalien et la régulation du métabolisme phospho-calcique.
Ann Endocrinol (Paris) 33:251-66, May-Jun 72 (Fre)
ADOLESCENCE/ ADULT/ CALCIUM, diagnostic use/ *CALCIUM, metabolism/ CORTICOTROPIN RELEASING FACTOR, metabolism/ EDTA, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ 17-KETOSTEROIDS, metabolism/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ *MYOTONIA ATROPHICA, metabolism/ PERFUSION/ PHOSPHATES, urine/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL SYSTEM/ THYROID GLAND FUNCTION TESTS

293. **Bernardis LL, Goldman JK:** Renal compensatory hypertrophy in weanling rats with ventromedial hypothalamic lesions. Growth 36:209-15, Sep 72
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ BODY HEIGHT/ BODY WEIGHT/ FEEDING BEHAVIOR/ HYPERTROPHY, etiology/ HYPERTROPHY, pathology/ *HYPOTHALAMUS, injuries/ HYPOTHALAMUS, pathology/ KIDNEY, pathology/ *KIDNEY DISEASES, etiology/ KIDNEY DISEASES, pathology/ MALE/ NEPHRECTOMY/ OBESITY, etiology/ ORGAN WEIGHT/ RATS/ *THALAMIC NUCLEI, injuries/ WEANING/ WOUNDS AND INJURIES, pathology

294. **Berntson GG:** Blockade and release of hypothalamically and naturally elicited aggressive behaviors in cats following midbrain lesions.
J Comp Physiol Psychol 81:541-54, Dec 72
*AGGRESSION/ ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CATS/ FEMALE/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ LATERALITY/ MALE/ *MESENCEPHALON, physiology/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS, physiology/ REFLEX/ STEREOTAXIC TECHNICS/ VOCALIZATION, ANIMAL

295. **Berthelot A, Boucher D, Dale A, et al:** Valeurs de la thyréostimuline hypophysaire et des acides aminés iodés thyroïdiens en fonction de l'éclairement chez le lapin mâle adulte.
C R Soc Biol (Paris) 166:869-74, 1972 (Fre)
*AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHROMATOGRAPHY, ION EXCHANGE/ DARKNESS/ DIIODOTYROSINE, analysis/ IODINE, analysis/ IODOTYROSINE, analysis/ *LIGHT/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, analysis/ RABBITS/ *THYROID GLAND, analysis/ THYROID HORMONES, analysis/ THYRONINE, analysis/ *THYROTROPIN, analysis/ TIME FACTORS

296. **Berthoiet JY, Ideiman S:** Activité proliférative du cortex surrénal de la ratte au cours du cycle oestrien et en fin de gestation.
J Physiol (Paris) 65:Suppl 1:101A+, 1972 (Fre)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIVISION/ *ESTRUS/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ THYMIDINE, metabolism/ TRITIUM

297. **Berthou F, Bardou L, Floch HH:** Identification of 5 alpha-androstane-3 beta-diol in human urine.
J Steroid Biochem 3:819-30, Sep 72
*ANDROSTANES, urine/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CRYSTALLIZATION/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, urine/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ SEX FACTORS/ STEREOISOMERS/ TESTOSTERONE, metabolism

298. **Bertram JS, Craig AW:** Specific induction of bladder cancer in mice by butyl-(4-hydroxybutyl)-nitrosamine and the effects of hormonal modifications on the sex difference in response. Eur J Cancer 8:587-94, Dec 72
ANIMAL EXPERIMENTS/ BLADDER, pathology/ *BLADDER NEOPLASMS, chemically induced/ BLADDER NEOPLASMS, pathology/ CASTRATION/ FEMALE/ MALE/ MICE/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL/ *NITROSAMINES/ NITROSAMINES, administration & dosage/ PHENOBARBITAL, administration & dosage/ SEX FACTORS/ *TESTOSTERONE, physiology/ TIME FACTORS

299. **Bertrand A, Assenmacher I, Jourdan J, et al:** Etude cinétique de la cortisoiémie au cours des comas: modifications du rythme circadien.
Sem Hop Paris 48:2935-41, 8 Nov 72 (Fre)
*ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ ASTROCYTOMA, complications/ BLOOD PRESSURE/ BODY TEMPERATURE/ BRAIN NEOPLASMS, complications/ CEREBRAL HEMORRHAGE, complications/ CHROMATOGRAPHY, THIN LAYER/ *CIRCADIAN RHYTHM/ COMA, blood/ *COMA, physiopathology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ MALE/ MIDDLE AGE/ PULSE/ RESPIRATION/ SODIUM, blood/ SUBARACHNOID HEMORRHAGE, complications/ VASCULAR DISEASES, complications

300. **Bertrand A, Jaffiol C, Janbon F, et al:** Syndrome de "tryrotoxicose maligne" après absorption massive de teinture d'iode: éstude clinique, biologique et anatomo-pathologique.
Eur J Toxicol 5:52-8, Jan-Feb 72 (Fre

ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, pathology/ *IODINE, poisoning/ MIDDLE AGE/ *POTASSIUM IODIDE, poisoning/ SUICIDE

301. **Beskid M, Borowicz JW, Nielubowicz J:** Histochemical, microscopic and electron microscopic examinations of adrenal cell cortex in two cases of thrombangitis obliterans. Acta Histochem (Jena) 44:264-77, 1972
ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, pathology/ CYTOPLASM, analysis/ ENDOPLASMIC RETICULUM/ HISTOCYTOCHEMISTRY/ HUMAN/ LIPIDS, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OXIDOREDUCTASES, metabolism/ RNA, metabolism/ *THROMBOANGIITIS OBLITERANS, metabolism/ THROMBOANGIITIS OBLITERANS, pathology

302. **Besser GM, Parke L, Edwards CR, et al:** Galactorrhoea: successful treatment with reduction of plasma prolactin levels by brom-ergocryptine.
Br Med J 3:669-72, 16 Sep 72
ADULT/ AMENORRHEA, drug therapy/ BIOLOGICAL ASSAY/ BROMINE/ *ERGOT ALKALOIDS, therapeutic use/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ IMPOTENCE, drug therapy/ LACTATION DISORDERS, blood/ *LACTATION DISORDERS, drug therapy/ MALE/ MAMMAE/ *PROLACTIN, blood/ PROLACTIN, secretion/ RABBITS/ RADIOIMMUNOASSAY

303. **Besson J, Taulemesse H, Briére J, et al:** Electrophorèse analytique sur gel d'agarose des acides ribonucléiques de haut poids moléculaire extraits de nodules froids thyroïdiens humains et du tissue périnodulaire homologue. C R Soc Biol (Paris) 166:901-4, 1972 **(Fre)**
*ADENOCARCINOMA, metabolism/ ADENOMA, metabolism/ CHROMATOGRAPHY/ ELECTROPHORESIS, STARCH GEL/ HUMAN/ MOLECULAR WEIGHT/ *RNA, analysis/ RNA, metabolism/ *THYROID NEOPLASMS, metabolism/ ULTRACENTRIFUGATION

304. **Best JM:** The use of trienbolone acetate implants in heifer beef production at pasture.
Vet Rec 91:624-6, 16 Dec 72
*ANABOLIC STEROIDS, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANILIDES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTHELMINTICS, therapeutic use/ BODY WEIGHT, drug effects/ *CATTLE, metabolism/ FEMALE/ *GROWTH, drug effects/ KETONES, pharmacodynamics/ THIAZOLES, therapeutic use

305. **Betro MG:** Significance of increased alkaline phosphatase and lactate dehydrogenase activities coincident with normal serum bilirubin.
Clin Chem 18:1427-9, Nov 72
*ALKALINE PHOSPHATASE, blood/ BILIARY TRACT DISEASES, enzymology/ *BILIRUBIN, blood/ BONE NEOPLASMS, complications/ BONE NEOPLASMS, enzymology/ *ENZYME TESTS/ FRACTURES, enzymology/ HEART FAILURE, CONGESTIVE, enzymology/ HUMAN/ HYPERCALCEMIA, complications/ KIDNEY FAILURE, ACUTE, enzymology/ *LACTATE DEHYDROGENASE, blood/ LIVER DISEASES, enzymology/ LIVER NEOPLASMS, complications/ LIVER NEOPLASMS, enzymology/ MALABSORPTION SYNDROMES, enzymology/ MYOCARDIAL INFARCT, enzymology/ NEOPLASM METASTASIS/ NEOPLASMS, enzymology/ PULMONARY EMBOLISM, enzymology

306. **Bettendorf G, Breckwoldt M, Lehmann F:** Ovulationsauslösung mit Gonadotropinen.
Zentralbl Gynaekol 94:1687-96, 9 Dec 72 **(Ger)**
ADULT/ *AMENORRHEA, drug therapy/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, therapeutic use/ GONADOTROPINS, PITUITARY, administration & dosage/ GONADOTROPINS, PITUITARY, pharmacodynamics/ *GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ MENOTROPINS/ MENSTRUATION/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, blood

307. **Better OS, Arieff AI, Massry SG, et al:** Studies on renal function after relief of complete unilateral ureteral obstruction of three months' duration in man.
Am J Med 54:234-40, Feb 73
ADULT/ AMMONIUM CHLORIDE, diagnostic use/ CASE REPORT/ CREATININE, metabolism/ DIET/ FEMALE/ GLOMERULAR FILTRATION RATE/ HEMORRHAGE, POSTPARTUM, surgery/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *KIDNEY, physiopathology/ KIDNEY CONCENTRATING ABILITY/ MINERALOCORTICOIDS, diagnostic use/ NATRIURESIS/ PARATHYROID HORMONE, diagnostic use/ PHOSPHATES, urine/ PREGNANCY/ SODIUM CHLORIDE, diagnostic use/ TIME FACTORS/ URETERAL OBSTRUCTION, etiology/ *URETERAL OBSTRUCTION, physiopathology/ URETERAL OBSTRUCTION, surgery/ URETERAL OBSTRUCTION, urine

308. **Betz G, Michels D:** The effect of metyrapone on the 17,20-lyase from rat testis microsomes.
Biochem Biophys Res Commun 50:134-9, 4 Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ HYDROXYPROGESTERONE/ KINETICS/ LYASES, analysis/ *LYASES, antagonists & inhibitors/ *METYRAPONE, pharmacodynamics/ *MICROSOMES, enzymology/ RATS/ SPECTROPHOTOMETRY/ STEROIDS/ *TESTIS, cytology/ TESTIS, drug effects/ TESTIS, enzymology

309. **Beutler E, Guinto E, Kuhl W:** Variability of -galactosidase A and B in different tissues of man.
Am J Hum Genet 25:42-6, Jan 73
CLOSTRIDIUM PERFRINGENS, enzymology/ ELECTROPHORESIS, STARCH GEL/ FIBROBLASTS, enzymology/ *GALACTOSIDASE, analysis/ HUMAN/ INTESTINAL MUCOSA, enzymology/ *ISOENZYMES, analysis/ LEUKOCYTES, enzymology/ LIVER, enzymology/ NEURAMINIDASE, pharmacodynamics/ PLACENTA, enzymology

310. **Beutnagel H, Wulf KH:** Reanimation des Neugehorenen.
Med Klin 68:1-5, 5 Jan 73 (27 ref.) **(Ger)**
ACIDOSIS, RESPIRATORY, complications/ ACIDOSIS, RESPIRATORY, therapy/ AIRWAY OBSTRUCTION, complications/ AIRWAY OBSTRUCTION, therapy/ ASPHYXIA NEONATORUM, diagnosis/ ASPHYXIA NEONATORUM, etiology/ *ASPHYXIA NEONATORUM, therapy/ BRADYCARDIA, complications/ BRADYCARDIA, therapy/ COMMUNICABLE DISEASES, prevention & control/ FEMALE/ FETAL DISEASES, complications/ HUMAN/ HYPOTHERMIA, complications/ HYPOTHERMIA, therapy/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, therapy/ INTENSIVE CARE UNITS/ MATERNAL-FETAL EXCHANGE/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY IN DIABETES, complications/ *RESUSCITATION/ REVIEW/ SHOCK, complications/ SHOCK, therapy

311. **Bewley TA, Dixon JS, Li CH:** Sequence comparison of human pituitary growth hormone, human chorionic somatomammotropin, and ovine pituitary growth and lactogenic hormones.
Int J Pept Protein Res 4:281-7, 1972
AMINO ACID SEQUENCE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ *PLACENTAL LACTOGEN, analysis/ SHEEP/ *SOMATOTROPIN, analysis

312. **Beyra M:** Opposite influences of rewarding electric brain stimulation on avoidance and escape threshold.
Arch Int Physiol Biochim 80:840-1, Oct 72

ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ *ESCAPE REACTION/ FOOT/ *HYPOTHALAMUS, physiology/ RATS/ REWARD/ SELF STIMULATION

313. **Bickhardt R:** Vergleichende Untersuchungen über den vasoconstrictorischen Effekt verschiedener Corticosteroide. Hautarzt 23:301-5, Jul 72 **(Ger)**
ACETATES, pharmacodynamics/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BETAMETHASONE, pharmacodynamics/ *BLOOD VESSELS, drug effects/ COMPARATIVE STUDY/ CONSTRICTION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ FLUPREDNISOLONE, pharmacodynamics/ HUMAN/ MALE/ METHODS/ *SKIN, drug effects/ SKIN DISEASES, drug therapy/ SKIN TESTS/ TIME FACTORS/ TRIAMCINOLONE, pharmacodynamics

314. **Bicknell PG:** Mild hypothyroidism and its effects on the larynx. J Laryngol Otol 87:123-7, Feb 73
ADULT/ AGED/ CHOLESTEROL, blood/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ LARYNGEAL EDEMA, complications/ LARYNGOSCOPY/ MALE/ MIDDLE AGE/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ THYROXINE, therapeutic use/ TIME FACTORS/ *VOCAL CORDS/ VOICE

315. **Bléder J, Choisel G, Choisel-Hodicq D:** Chromosome X en anneau.
Ann Med Psychol (Paris) 2:402-9, Sep-Oct 72 **(Fre)**
*ABNORMALITIES, MULTIPLE/ ADULT/ AMENORRHEA, familial & genetic/ CASE REPORT/ CHILD/ DEAFNESS, familial & genetic/ DEPRESSION, etiology/ DWARFISM, familial & genetic/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GENITALIA, FEMALE, abnormalities/ HUMAN/ KARYOTYPING/ KIDNEY, abnormalities/ MALE/ MENTAL RETARDATION, familial & genetic/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *SEX CHROMOSOME ABNORMALITIES/ VISION DISORDERS, familial & genetic

316. **Bieler EU, Rooyen RJ van, Bruin EJ de, et al:** Diagnostic accuracy of three tests for evaluating the thyroid status. Results of the in vitro assessment of thyroid function and of the 24-hour 131 I-uptake of the thyroid gland. S Afr Med J 47:266-9, 17 Feb 73
CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC, metabolism/ RADIOLIGAND ASSAY/ *THYROID DISEASES, diagnosis/ *THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

317. **Bierens de Haan B, Chapuis G:** Hyperparathyroïdie primitaire, casuistique et observations générales.
Helv Chir Acta 39:741-50, Dec 72 **(Fre)**
CALCIUM, blood/ DIAGNOSIS, DIFFERENTIAL/ FATIGUE, etiology/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, diagnosis/ PEPTIC ULCER, etiology/ PHOSPHORUS, blood/ TIME FACTORS/ URINARY CALCULI, etiology

318. **Bierich JR:** Wachstumsstörungen im Kindesalter.
Fortschr Med 90:961-6, 28 Sep 72 **(Ger)**
ADOLESCENCE/ BONE AND BONES, growth & development/ BONE DISEASES, DEVELOPMENTAL/ DWARFISM, PITUITARY, blood/ DWARFISM, PITUITARY, diagnosis/ DWARFISM, PITUITARY, drug therapy/ DWARFISM, PITUITARY, etiology/ DWARFISM, PITUITARY, familial & genetic/ FEMALE/ *GROWTH DISORDERS/ GROWTH DISORDERS, classification/ GROWTH DISORDERS, etiology/ HUMAN/ MALE/ SOMATOMEDIN, blood/ SOMATOTROPIN, blood/ SOMATOTROPIN, therapeutic use

319. **Bierich JR:** Dystrophia adiposogenitalis.
Dtsch Med Wochenschr 98:31-2, 5 Jan 73 **(Ger)**
DIET, REDUCING/ *FROEHLICH'S SYNDROME, therapy/ HUMAN/ SEX HORMONES, therapeutic use/ THYROID HORMONES, therapeutic use/ TIME FACTORS/ VASOPRESSIN, therapeutic use

320. **Bihler DA, Morris JW:** Preparation and properties of (monoiodotyrosine)-insulin.
Biochem J 130:321-4, Nov 72
CHROMATOGRAPHY, ION EXCHANGE/ GEL FILTRATION/ HEMOLYSIS/ *INSULIN, chem synthesis/ INSULIN, isolation & purification/ IODINE ISOTOPES/ *IODOTYROSINE, chem synthesis/ IODOTYROSINE, isolation & purification

321. **Bilezikian JP, Connor TB, Aptekar R, et al:** Pseudogout after parathyroidectomy. Lancet 1:445-6, 3 Mar 73
ACUTE DISEASE/ ARTHRITIS, diagnosis/ ARTHRITIS, etiology/ CALCIUM, metabolism/ CHONDROCALCINOSIS, diagnosis/ *CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ KNEE, radiography/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, metabolism/ *PARATHYROID GLANDS, surgery/ *POSTOPERATIVE COMPLICATIONS/ WRIST, radiography

322. **Bilous R, Windheuser JJ:** Determination of liothyronine and thyroxine in dried thyroid by GLC.
J Pharm Sci 62:274-7, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ HYDROLYSIS/ LIGHT/ MATHEMATICS/ METHODS/ SOLUTIONS/ SOLVENTS/ SWINE/ *THYROID GLAND, analysis/ *THYROXINE, analysis/ THYROXINE, isolation & purification/ *TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, isolation & purification

323. **Binder V, Bonnevie O, Gertz TC, et al:** Colitis ulcerosa hos hørn. Behandling, forløb og prognose.
Ugeskr Laeger 134:2629-35, 11 Dec 72 **(Dan)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ COLECTOMY/ *COLITIS, ULCERATIVE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ TIME FACTORS

324. **Bindon BM:** Genetic differences in plasma luteinizing hormone of the prepubertal lamb.
J Reprod Fertil 32:347-8, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ FERTILITY/ *GENETICS, BIOCHEMICAL/ LH, blood/ MALE/ PREGNANCY, MULTIPLE/ PUBERTY/ *SHEEP

325. **Binet L, Binet P, Miocque M, et al:** Le farnésol substance psycho-sédative et spasmolytique.
Therapie 27:893-905, Sep-Oct 72 **(Fre**
ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BARBITURATES, pharmacodynamics/ BARIUM, antagonists & inhibitors/ *BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ CAFFEINE, antagonists & inhibitors/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *FARNESOL, pharmacodynamics/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ MICE/ MOTOR ACTIVITY, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PARASYMPATHOLYTICS, pharmacodynamics/

RABBITS/ RATS/ SEROTONIN, antagonists & inhibitors/ SLEEP, drug effects

326. **Bingel AS, Benoit PS:** Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future I.
J Pharm Sci 62:179-200, Feb 73 (162 ref.)
ADULT/ BLOOD COAGULATION, drug effects/ CANADA/ CHEMISTRY/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, therapeutic use/ DRUG COMBINATIONS/ ESTROGENS/ FEMALE/ FIBRINOLYSIS, drug effects/ FSH, secretion/ GREAT BRITAIN/ HUMAN/ LH, secretion/ MENSTRUATION, drug effects/ PROGESTATIONAL HORMONES/ REVIEW/ STEROIDS/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality/ THROMBOEMBOLISM, occurrence/ THROMBOPHLEBITIS, chemically induced/ UNITED STATES

327. **Binnington JA, Adkins KF:** Ameloblastic odontosarcoma in a bovine mandible.
J Pathol 108:169-72, Oct 72
ANIMAL EXPERIMENTS/ BONE AND BONES, pathology/ CATTLE/ *CATTLE DISEASES, pathology/ CONNECTIVE TISSUE, pathology/ EPITHELIUM, pathology/ FEMALE/ MANDIBULAR NEOPLASMS, pathology/ *MANDIBULAR NEOPLASMS, veterinary/ ODONTOGENIC TUMOR, pathology/ *ODONTOGENIC TUMOR, veterinary

328. **Birkenhäger JC, Seldenrath HJ, Hackeng WH, et al:** Calcium and phosphorus metabolism parathyroid hormone, calcitonin and bone histology in pseudohypoparathyroidism.
Eur J Clin Invest 3:27-34, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADOLESCENCE/ *CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, therapeutic use/ DIHYDROTACHYSTEROL, therapeutic use/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ ILIUM, pathology/ INTESTINAL ABSORPTION/ OSSIFICATION, PATHOLOGIC/ PARATHYROID GLANDS/ *PARATHYROID HORMONE, blood/ PHOSPHATES, urine/ PSEUDOHYPOPARATHYROIDISM, blood/ PSEUDOHYPOPARATHYROIDISM, drug therapy/ *PSEUDOHYPOPARATHYROIDISM, metabolism/ PSEUDOHYPOPARATHYROIDISM, pathology/ *THYROCALCITONIN, blood/ TISSUE EXTRACTS, therapeutic use

329. **Birnbaum MD:** Thyroid function assessment.
Obstet Gynecol 41:315-7, Feb 73
ANTIBODIES, analysis/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ RADIOIMMUNOASSAY/ REFLEX, TENDON/ THYROGLOBULIN, metabolism/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood

330. **Birnbaumer L, Pohl SL:** Relation of glucagon-specific binding sites to glucagon-dependent stimulation of adenylyl cyclase activity in plasma membranes of rat liver. J Biol Chem 248:2056-61, 25 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, enzymology/ *GLUCAGON, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ HISTIDINE/ IODINE ISOTOPES/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ PHOSPHORUS ISOTOPES/ PURINE NUCLEOTIDES, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM

331. **Bischoff B:** Ein Beitrag zum Cogan I-Syndrom.
Klin Monatsbl Augenheilkd 161:551-62, Nov 72 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHILD/ *DEAFNESS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EMBOLISM, diagnosis/ EMBOLISM, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ HUMAN/ *KERATITIS, diagnosis/ KERATITIS, drug therapy/ *LABYRINTH DISEASES, diagnosis/ MALE/ MIDDLE AGE/ RETINAL ARTERY/ RETINAL DISEASES, diagnosis/ RETINAL DISEASES, drug therapy/ SYNDROME/ TINNITUS, diagnosis/ VERTIGO, diagnosis/ VISION DISORDERS, diagnosis/ VISION DISORDERS, drug therapy

332. **Bishop MC, Woods CG, Oliver DO, et al:** Effects of haemodialysis on bone in chronic renal failure.
Br Med J 3:664-7, 16 Sep 72
ADULT/ BIOPSY/ BONE AND BONES, pathology/ *BONE DISEASES, etiology/ BONE DISEASES, pathology/ BONE RESORPTION, pathology/ CHRONIC DISEASE/ FIBROUS DYSPLASIA OF BONE, pathology/ *HEMODIALYSIS, adverse effects/ HUMAN/ ILIUM, pathology/ KIDNEY FAILURE, CHRONIC, pathology/ *KIDNEY FAILURE, CHRONIC, therapy/ MIDDLE AGE/ OSTEOMALACIA, pathology

333. **Bissett JK, Doherty JE, Flanigan WJ, et al:** Tritiated digoxin. XIX. Turnover studies in diabetes insipidus.
Am J Cardiol 31:327-30, Mar 73
BLOOD UREA NITROGEN/ CREATININE, blood/ *DIABETES INSIPIDUS, metabolism/ DIGOXIN, blood/ *DIGOXIN, metabolism/ DIGOXIN, urine/ GLOMERULAR FILTRATION RATE/ HALF-LIFE/ HUMAN/ MALE/ MIDDLE AGE/ TRITIUM

334. **Bittner RR, Kraas E, Beger HG, et al:** Der Einfluss von Theophyllin auf die mit Gastrin stimulierte Magensekretion.
Z Gastroenterol 10:461-6, Oct 72 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADULT/ DUODENAL ULCER, metabolism/ ENGLISH ABSTRACT/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, drug effects/ *GASTRIN, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL/ *THEOPHYLLINE, pharmacodynamics/ WATER-ELECTROLYTE BALANCE, drug effects

335. **Björklund A, Nobin A, Stenevi U:** Regeneration of central serotonin neurons after axonal degeneration induced by 5,6-dihydroxytryptamine.
Brain Res 50:214-20, 14 Feb 73
ANIMAL EXPERIMENTS/ AXONS, drug effects/ *BRAIN, drug effects/ *BRAIN DISEASES, chemically induced/ CEREBRAL CORTEX, drug effects/ FEMALE/ HYPOTHALAMUS, drug effects/ MEDULLA OBLONGATA, drug effects/ METHYLTYROSINES, pharmacodynamics/ MICROSCOPY, FLUORESCENCE/ *NERVE DEGENERATION/ *NERVE REGENERATION/ NIALAMIDE, pharmacodynamics/ RATS/ SPINAL CORD, drug effects/ TRITIUM/ *TRYPTAMINES

336. **Black AM, Comroe JH Jr, Jacobs L:** Species difference in carotid body response of cat and dog to dopamine and serotonin. Am J Physiol 223:1097-102, Nov 72
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BENZENE DERIVATIVES, pharmacodynamics/ BIGUANIDES, pharmacodynamics/ *CAROTID BODY, drug effects/ CAROTID BODY, physiology/ CATS/ CHEMORECEPTORS/ CYANIDES, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOGS/ DOPAMINE, administration & dosage/ *DOPAMINE, pharmacodynamics/ GANGLIA, AUTONOMIC, physiology/ INJECTIONS, INTRA-ARTERIAL/ MICROELECTRODES/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ REFLEX/ RESPIRATION, drug effects/ *SEROTONIN, pharmacodynamics/ SPECIES

SPECIFICITY/ TYRAMINE, pharmacodynamics/ VAGUS NERVE, physiology

337. **Black DA:** Therapeutic trials in renal disease. Anglo Ger Med Rev 6:97-101, Mar 72
AZATHIOPRINE, therapeutic use/ CLINICAL RESEARCH/ CYCLOPHOSPHAMIDE, therapeutic use/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ INDOMETHACIN, therapeutic use/ *NEPHROTIC SYNDROME, drug therapy/ STEROIDS, therapeutic use

338. **Black T:** Rationale for the involvement of private sector marketing institutions in family planning in Africa. Stud Fam Plann 4:25-32, Feb 73
*CONTRACEPTIVE AGENTS, supply & distribution/ *CONTRACEPTIVE DEVICES, supply & distribution/ CONTRACEPTIVES, ORAL, supply & distribution/ *FAMILY PLANNING/ FEMALE/ GHANA/ HUMAN/ KENYA/ MALE/ NIGERIA/ UGANDA

339. **Blahníková L, Horký J:** Einfluss der anaboien steroide auf den Eiweissstoffwechsel hei verschiedener Proteinzufuhr hei chronisch Leberkranken. Z Ernaehrungswiss [Suppl] 13:105-12, 1972 **(Ger)**
ADULT/ ALBUMINS, metaholism/ CHRONIC DISEASE/ DIETARY PROTEINS, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS, drug therapy/ HUMAN/ LIVER CIRRHOSIS, drug therapy/ *LIVER DISEASES, drug therapy/ MALE/ MIDDLE AGE/ *NANDROLONE, therapeutic use/ NITROGEN, metaholism/ *PROTEINS, metaholism/ *STANOLONE, therapeutic use

340. **Blahoš J:** Some contrihutions to metaholic relationships of uric acid. Beitr Rheumatol 18:16-21, 1972
CHOLESTEROL, hlood/ FEMALE/ GOUT, complications/ GOUT, drug therapy/ GOUT, metaholism/ GOUT, physiopathology/ HUMAN/ HYPOTHYROIDISM, hlood/ HYPOTHYROIDISM, complications/ LACTATES, metabolism/ MALE/ MENOPAUSE/ SEX FACTORS/ THYROID HORMONES, therapeutic use/ URIC ACID, blood/ *URIC ACID, metaholism

341. **Blähser S, Kraus G:** Methode zur Darstellung der histologischen Funktionshilder von Thyreozyten und Calcitoninzellen in der Rattenschilddrüse. Mikroskopie 28:288-91, 1972 **(Ger)**
ANIMAL EXPERIMENTS/ *CYTOLOGICAL TECHNICS/ ENGLISH ABSTRACT/ METHODS/ RATS/ *THYROID GLAND, cytology

342. **Blakeley AG, Powis G, Summers RJ:** An uptake process for L-noradrenaline resistant to desmethylimipramine (DMI) and 17 -estradiol in the cat spleen. J Physiol (Lond) 229:31P-32P, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATS/ DENERVATION/ *DESIPRAMINE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ IN VITRO/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ SPLEEN, innervation/ *SPLEEN, metabolism/ TRITIUM

343. **Blaschke TF, Elin RJ, Berk PD, et al:** Effects of induced fever on sulfohromophthalein kinetics in man. Ann Intern Med 78:221-6, Feh 73
ADULT/ COMPUTERS, DIGITAL/ ENDOTOXINS/ ETIOCHOLANOLONE/ FEMALE/ FEVER, chemically induced/ *FEVER, metaholism/ HUMAN/ KINETICS/ LIVER, metabolism/ LIVER FUNCTION TESTS/ MALE/ METABOLIC CLEARANCE RATE/ MODELS, BIOLOGICAL/ SALMONELLA, immunology/ SULFOBROMOPHTHALEIN, hlood/ SULFOBROMOPHTHALEIN, diagnostic use/ *SULFOBROMOPHTHALEIN, metaholism

344. **Blaudow K:** Kavographie und Relymphographie als wichtige Zusatzuntersuchungen bei Hodentumoren und gynäkologischen Karzinomen. Radiol Diagn (Berl) 13:674-7, 1972 **(Ger)**
ADULT/ ANGIOGRAPHY/ DISGERMINOMA, radiography/ FEMALE/ *GYNECOLOGIC NEOPLASMS, radiography/ HUMAN/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ MALE/ METHODS/ *TESTICULAR NEOPLASMS, radiography/ VENAE CAVAE, radiography

345. **Blažek J, Strejček J, Bráza J, et al:** Anti-chromosomální protilátky u systémového lupus erythematosus. Cesk Patol 8:215-9, Nov 72 **(Cze)**
ANTIBODIES, HETEROTYPIC/ ANTIBODY SPECIFICITY/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ *SEX CHROMOSOMES, immunology

346. **Blein JP, Garnier D, Maraud R:** Influence sur le caryotype lymphocytaire, du traitement par le radiolode 131 I au cours de diverses affections thyroidiennes (résultats préliminaires. Ann Endocrinol (Paris) 33:231-41, May-Jun 72 **(Fre)**
ANEUPLOIDY/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, adverse effects/ IODINE ISOTOPES, therapeutic use/ *LYMPHOCYTES, radiation effects/ *RADIATION GENETICS/ *RADIOTHERAPY, adverse effects/ *THYROID NEOPLASMS, radiotherapy

347. **Bligh J, Milton AS:** The thermoregulatory effects of prostaglandin E 1 when infused into a lateral cerebral ventricle of the Welsh Mountain sheep at different ambient temperatures. J Physiol (Lond) 229:30P-31P, Feh 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ *CEREBRAL VENTRICLES/ INJECTIONS/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RESPIRATION/ SHEEP/ SHIVERING/ TEMPERATURE

348. **Bliss EL, Frischat A, Samuels L:** Brain and testicular function. Life Sci [I] 11:231-8, 1 Mar 72
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *BRAIN, physiology/ BRAIN CHEMISTRY, drug effects/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CROWDING/ DOPAMINE, hiosynthesis/ ELECTROSHOCK/ FEMALE/ FRUSTRATION/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ MICE, INBRED CBA/ NOREPINEPHRINE, hiosynthesis/ RATS/ SATIATION/ SEROTONIN, hiosynthesis/ SEX BEHAVIOR, ANIMAL/ STRESS, PSYCHOLOGICAL/ TESTIS, analysis/ *TESTIS, physiology/ TESTOSTERONE, analysis/ TESTOSTERONE, hlood

349. **Blitz NM, Gibbs HC:** Studies on the arrested development of Haemonchus contortus in sheep. II. Termination of arrested development and the spring rise phenomenon. Int J Parasitol 2:13-22, Mar 72
ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, pharmacodynamics/ FECES/ FEMALE/ GRASSES/ INJECTIONS, INTRAMUSCULAR/ LARVA, drug effects/ LARVA, growth & development/ PARASITE EGG COUNT/ PROLACTIN, administration & dosage/ PROLACTIN, pharmacodynamics/ SEASONS/ SHEEP/ *SHEEP DISEASES/ TRICHOSTRONGYLOIDEA, drug effects/ TRICHOSTRONGYLOIDEA, growth & development/ *TRICHOSTRONGYLOIDIASIS, veterinary

350. **Block SH:** Eczema and molluscum contagiosum JAMA 223:195, 8 Jan 73
CHILD, PRESCHOOL/ *ECZEMA, complications/ ECZEMA, drug therapy/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL,

adverse effects/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ *MOLLUSCUM CONTAGIOSUM, etiology

351. **Blockey MA, Chamley WA, Cummins L, et al:** Steroid plasma levels about oestrus in the beef cow. J Reprod Fertil 32:342-3, Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE, physiology/ *ESTRADIOL, blood/ *ESTRONE, blood/ *ESTRUS/ FEMALE/ PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

352. **Blomgren H:** Synergism between thymocytes and lymph node cells in the graft-verses-host response effect of cortisone treatment of the thymus cell donor. J Immunol 110:144-7, Jan 73
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ *GRAFT VS HOST REACTION/ LYMPH NODES, cytology/ *LYMPH NODES, immunology/ *T-LYMPHOCYTES, immunology/ MICE/ THYMUS GLAND, cytology/ THYMUS GLAND, drug effects

353. **Biondaux C, Juge A, Sordet F, et al:** Modification du métabolisme de la sérotonine (5-HT) céréhrale induite chez le rat par administration de 6-hydroxydopamine.
Brain Res 50:101-14, 14 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ DIENCEPHALON, metabolism/ ENGLISH ABSTRACT/ *HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, metabolism/ MESENCEPHALON, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ TELENCEPHALON, metabolism/ TRITIUM

354. **Blum K, Merritt JH, Reiter RJ, et al:** A possible relationship between the pineal gland and ethanol preference in the rat. Curr Ther Res 15:25-30, Jan 73
*ALCOHOL DRINKING/ *ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ DARK ADAPTATION/ LIGHT/ MALE/ MELATONIN, pharmacodynamics/ *PINEAL BODY, physiology/ RATS/ TIME FACTORS/ WATER

355. **Blum M:** Myxedema coma.
Am J Med Sci 264:432-43, Dec 72 (72 ref.)
ADRENAL GLANDS, physiopathology/ CACHEXIA, complications/ CENTRAL NERVOUS SYSTEM, physiopathology/ COMA, drug therapy/ *COMA, etiology/ HEART DISEASES, complications/ HUMAN/ HYPOGLYCEMIA, complications/ HYPONATREMIA, complications/ HYPOTENSION, complications/ HYPOTHALAMUS, physiopathology/ HYPOTHERMIA, complications/ INFECTION, complications/ INTESTINAL OBSTRUCTION, complications/ LUNG, physiopathology/ MUSCLE CONTRACTION/ MUSCLES, physiopathology/ *MYXEDEMA, complications/ MYXEDEMA, diagnosis/ MYXEDEMA, drug therapy/ PITUITARY GLAND, physiopathology/ RESPIRATORY INSUFFICIENCY, complications/ REVIEW/ THYROID HORMONES, therapeutic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ URINATION DISORDERS, complications

356. **Blyth CA, Clark RP, Freedman RB, et al:** Steroid-binding properties of a plasma-membrane fraction from rat liver.
Eur J Biochem 32:57-62, 3 Jan 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ *CELL MEMBRANE, metabolism/ CENTRIFUGATION, ZONAL/ DISULFIDES, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ LIVER, cytology/ *LIVER, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER/ MICROSOMES, LIVER, enzymology/ RATS/ RIBOSOMES/ *TESTOSTERONE, metabolism

357. **Board JA, Bhatnagar AS, Bush CW:** Effect of oral diethylstilbestrol on plasma progesterone.
Fertil Steril 24:95-7, Feb 73
ADMINISTRATION, ORAL/ CONTRACEPTIVES, POSTCOITAL/ DEPRESSION, CHEMICAL/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, pharmacodynamics/ FEMALE/ HUMAN/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING

358. **Boateng G, Nolting S:**
Gesichtspflegedermatitis--Erkennung und Behandling.
Arch Dermatol Forsch 244:168-70, 1972 (Ger)
ATROPHY/ CORTISONE, therapeutic use/ *COSMETICS, adverse effects/ DERMATITIS, CONTACT, etiology/ DERMATITIS MEDICAMENTOSA, drug therapy/ DERMATITIS MEDICAMENTOSA, etiology/ ERYTHEMA, chemically induced/ *FACIAL DERMATOSES, etiology/ FEMALE/ HUMAN/ MALE/ TEA/ TELANGIECTASIS, chemically induced/ TETRACYCLINE, therapeutic use

359. **Boatman DL, Culp DA, Wilson VB:** Testicular neoplasms in children. J Urol 109:315-7, Feb 73
ADOLESCENCE/ CHILD/ CHORIOCARCINOMA, occurrence/ CHORIOCARCINOMA, pathology/ CHORIOCARCINOMA, surgery/ DISGERMINOMA, occurrence/ DISGERMINOMA, pathology/ DISGERMINOMA, surgery/ HUMAN/ IOWA/ LYMPH NODE EXCISION/ MALE/ NEOPLASM METASTASIS/ RHABDOMYOSARCOMA, occurrence/ RHABDOMYOSARCOMA, pathology/ RHABDOMYOSARCOMA, surgery/ SERTOLI CELL TUMOR, occurrence/ SERTOLI CELL TUMOR, pathology/ SERTOLI CELL TUMOR, surgery/ TERATOID TUMOR, occurrence/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, occurrence/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

360. **Bochenek W, Frydecka I:** Wpływ leczniczych dawek triamcinolonu na wydzielanie żołądkowe kwasu solnego, pepsyny oraz niektórych składników białkowych.
Pol Tyg Lek 28:171-3, 29 Jan 73 (Pol)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ GASTRIC JUICE, analysis/ *GASTRIC JUICE, secretion/ HEXOSES, secretion/ HUMAN/ MIDDLE AGE/ NEURAMINIC ACIDS, secretion/ *PEPSIN, secretion/ PROTEINS, secretion/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, pharmacodynamics

361. **Bochkov NP, Kostrova AA:** Sex ratio among human embryos and newborns in a Russian population.
Humangenetik 17:91-8, 1973
COMPARATIVE STUDY/ *EMBRYO/ FEMALE/ HUMAN/ *INFANT, NEWBORN/ MALE/ MATERNAL AGE/ MOSCOW/ SEX CHROMATIN/ *SEX RATIO

362. **Bock JE:** Ovariedysgenesi hos kromosomalt og faenotypisk normale kvinder.
Ugeskr Laeger 135:14-5, 1 Jan 73 (Dan)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PHENOTYPE/ SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic

363. **Bock K:** Die Behandlung der Herzinsuffizienz im Kindesalter. Kinderaerztl Prax 40:433-7, Oct 72 (Ger)
AGE FACTORS/ ANTIBIOTICS, therapeutic use/ ARRHYTHMIA, complications/ CARDIAC GLYCOSIDES, therapeutic use/ CHILD/ DIET, SALT-FREE/ DIURETICS, therapeutic use/ HEART FAILURE, CONGESTIVE, drug therapy/ *HEART FAILURE, CONGESTIVE, therapy/ HUMAN/ MYOCARDITIS,

complications/ POTASSIUM, therapeutic use/ PREDNISONE, therapeutic use/ REST

364. **Bock RD, Kolakowski D:** Further evidence of sex-linked major-gene influence on human spatial visualizing ability. Am J Hum Genet 25:1-14, Jan 73
ADOLESCENCE/ ADULT/ CHILD/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ GENE FREQUENCY/ *GENES/ GENES, RECESSIVE/ GENOTYPE/ HUMAN/ MALE/ PSYCHOMETRICS/ *SEX CHROMOSOMES/ *SPACE PERCEPTION/ VISUAL PERCEPTION

365. **Boczkowski K:** Abnormal sex determination and differentiation in man.
Obstet Gynecol 41:310-4, Feb 73
FEMALE/ GONADS, embryology/ HUMAN/ MALE/ MOSAICISM/ SEX CHARACTERISTICS/ SEX CHROMOSOME ABNORMALITIES, embryology/ SEX CHROMOSOMES/ *SEX DETERMINATION/ *SEX DIFFERENTIATION DISORDERS/ SEX DIFFERENTIATION DISORDERS, embryology/ SEX DIFFERENTIATION DISORDERS, familial & genetic/ TURNER'S SYNDROME, embryology

366. **Boczkowski K:** Response to androgen in male hermaphrodites. Obstet Gynecol 41:419-26, Mar 73
ADULT/ AGE FACTORS/ BREAST, growth & development/ GENITALIA, FEMALE, growth & development/ GENITALIA, MALE, growth & development/ HERMAPHRODITISM, classification/ *HERMAPHRODITISM, drug therapy/ HIRSUTISM/ HUMAN/ KARYOTYPING/ LEYDIG CELLS/ MALE/ SERTOLI CELLS/ TESTIS, pathology/ TESTIS, surgery/ *TESTOSTERONE, therapeutic use/ VIRILISM/ VIRILISM, etiology

367. **Boczkowski K, Macklewicz-Choynowska K:** Cytologia hormonalna zespołu feminizujących jąder.
Ginekol Pol 44:51-4, Jan 73 (Pol)
ADOLESCENCE/ ADULT/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ FEMALE/ GONADS, surgery/ HUMAN/ SYNDROME/ *TESTICULAR FEMINIZATION, diagnosis/ TESTICULAR FEMINIZATION, surgery/ VAGINAL SMEARS

368. **Bodarev VKh, Levshankov AI, Aksenov IaA, et al:** Ob osobennostiakh posleoperatsionnogo perioda u bol'nykh tuberkulezom legikikh, lechivshikhsia prednizolonom. Voen Med Zh 11:80-2, Nov 72 (Rus)
ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ *PREDNISOLONE, adverse effects/ TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, surgery/ *TUBERCULOSIS, PULMONARY, therapy

369. **Boddy K, Glaros D:** The measurement of phosphorus in human bone using radioactive neutron sources--a technique for partial body in vivo activation analysis.
Int J Appl Radiat Isot 24:179-82, Mar 73
*ACTIVATION ANALYSIS/ ANKLE/ *BONE AND BONES, analysis/ HAND/ HUMAN/ METHODS/ *PHOSPHORUS, analysis

370. **Bodley FH, Chapdelaine A, Flickinger G, et al:** A highly specific radioimmunoassay for progesterone using antibodies covalently linked to arylamine-glass particles. Steroids 21:1-16, Jan 73
ACRIDINES/ *AMINES/ *ANTIBODIES/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHARCOAL/ GLASS/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SUCCINATES/ TRITIUM

371. **Boffa GA, Martin B, Winchenne JJ, et al:** Interactions steroides-protéines dans le sérum de l'homme, d'un amphibien et d'un cyclostome. Chromatographie analytique sur échangeurs d'ions.
Biochimie 54:1137-45, 1972 (Fre)
*AMPHIBIA/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BINDING, COMPETITIVE/ BINDING SITES/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ *CYCLOSTOMES/ DIALYSIS/ DYES/ ENGLISH ABSTRACT/ HUMAN/ METHYLCELLULOSE/ *PROTEIN BINDING/ *STEROIDS, blood

372. **Bofinger MK, Dignan PS, Schmidt RE, et al:** Reduction malformations and chromosome anomalies.
Am J Dis Child 125:135-43, Jan 73
ABNORMALITIES, MULTIPLE, radiography/ *ARM, abnormalities/ BONE AND BONES, abnormalities/ *CHROMOSOME ABNORMALITIES/ *CHROMOSOMES, HUMAN, 4-5/ *CHROMOSOMES, HUMAN, 6-12/ *CHROMOSOMES, HUMAN, 16-18/ FACIAL EXPRESSION/ FEMALE/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ *LEG, abnormalities/ MALE/ SPINE, abnormalities/ SYNDACTYLIA, complications/ TRISOMY

373. **Bogin IuN, Borisova OI, Timofeeva TE:** Vozmozhnosti primeneniia ul'trazvukovogo diagnosticheskogo pribora slozhnogo skanirovaniia Obzor-100 v klinicheskikh usloviiakh.
Med Tekh 1:43-6, Jan-Feb 72 (Rus)
ADULT/ AGED/ ECHOCARDIOGRAPHY, instrumentation/ FEMALE/ HEART DISEASES, diagnosis/ HUMAN/ LIVER DISEASES, diagnosis/ LUNG DISEASES, diagnosis/ MALE/ MIDDLE AGE/ SPLENIC DISEASES, diagnosis/ THYROID DISEASES, diagnosis/ ULTRASONICS, diagnostic use/ *ULTRASONICS, instrumentation

374. **Böhm W, Hempel E, Klinger G, et al:** Das Endometrium bei Applikation von Sequenz-Ovosiston.
Zentralbl Gynaekol 94:1816-20, 30 Dec 72 (Ger)
CHLORMADINONE, administration & dosage/ *CHLORMADINONE, pharmacodynamics/ CONTRACEPTIVES, ORAL/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ MESTRANOL, administration & dosage/ *MESTRANOL, pharmacodynamics/ TIME FACTORS

375. **Bohorfoush JG, Fernandez AR, Keeler C:** Mosaic 47(female)XX(X-p) and the Lyon hypothesis.
J Hered 63:381-3, Nov-Dec 72
AGED/ CELLS, CULTURED/ FEMALE/ HUMAN/ KARYOTYPING/ LEUKOCYTES, cytology/ *MOSAICISM/ *SEX CHROMATIN/ *SEX CHROMOSOMES

376. **Bojesen E, Buchhave K:** An isotope derivative method for the analysis of prostaglandins E 1 and E 2 in serum using 2-amino-(35 S)thiazole as the reagent.
Biochim Biophys Acta 280:614-25, 8 Dec 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FASTING/ METHODS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ RATS/ SULFUR ISOTOPES/ *THIAZOLES/ TIME FACTORS/ TRITIUM/ ULTRAVIOLET RAYS

377. **Bojtor I, Illés A, Horváth F, et al:** Computer evaluation to the x-ray densitometry method for the diagnosis of calcipenic osteopathy.
Fortschr Geb Roentgenstr Nuklearmed 117:720-4, Dec 72
ADULT/ *DENSITOMETRY, X-RAY/ *DIAGNOSIS, COMPUTER ASSISTED/ HUMAN/ LUMBAR VERTEBRAE, metabolism/ LUMBAR VERTEBRAE, pathology/ MALE/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/ *OSTEOPOROSIS, radiography/ PHOTOMETRY/ TOMOGRAPHY, RADIOGRAPHIC

378. **Bollengier WE, Eisenfeld AJ, Gardner WU:** Accumulation of 3 H-estradiol in testes and pituitary glands of mice of strains differing in susceptibility to testicular interstitial cell and pituitary tumors after prolonged estrogen treatment.
J Natl Cancer Inst 49:847-52, Sep 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/

*DIETHYLSTILBESTROL/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ ESTRIOL, metabolism/ ESTRONE, metabolism/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ *PITUITARY GLAND, metabolism/ *PITUITARY NEOPLASMS, chemically induced/ PITUITARY NEOPLASMS, familial & genetic/ SPECTROPHOTOMETRY/ *TESTICULAR NEOPLASMS, chemically induced/ TESTICULAR NEOPLASMS, familial & genetic/ *TESTIS, metabolism/ TRITIUM

379. Bologa EI, Lucan-Malene G, Stroe A: Considérations cliniques histopathologiques et histochimiques sur le lichen plan pigmentaire d'emblée.
Arch Belg Dermatol Syphiligr 28:85-95, Apr-Jun 72 (Fre)
ADOLESCENCE/ ADULT/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LICHEN PLANUS, diagnosis/ LICHEN PLANUS, etiology/ *LICHEN PLANUS, pathology/ MELANIN, metabolism/ MELANOCYTES, analysis/ PIGMENTATION DISORDERS, diagnosis/ PIGMENTATION DISORDERS, etiology/ *PIGMENTATION DISORDERS, pathology/ PREGNANCY/ SKIN, metabolism

380. Bond WH, Banks AJ, Jones WG: Internal fixation of secondary deposits in long bones.
Br Med J 1:488, 24 Feb 73
BONE AND BONES, radiation effects/ BONE NEOPLASMS, radiotherapy/ *BONE NEOPLASMS, therapy/ *FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ RADIOTHERAPY, HIGH ENERGY

381. Bondani A, Aspeitia E, Aznar R, et al: Correlation between sperm motility and electrolyte composition of seminal fluid in normal and infertile men.
Fertil Steril 24:150-4, Feb 73
*CALCIUM, metabolism/ HUMAN/ *MAGNESIUM, metabolism/ MALE/ *POTASSIUM, metabolism/ *SEMEN/ SODIUM, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *SPERMATOZOA, physiology/ *STERILITY, MALE, metabolism/ *WATER-ELECTROLYTE BALANCE

382. Bonfield W, Clark EA: Microstrain measurements of the deformation of compact bone.
J Physiol (Lond) 229:5P, Feb 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, physiology/ COLLAGEN/ ELASTICITY/ HYDROXYAPATITE/ METHODS/ OPTICS/ RABBITS/ *STRESS, MECHANICAL

383. Bonilla-Musoles F, Bonilla Marti F: Ecografía tiroidéa. Nota previa.
Rev Clin Esp 128:75-8, 15 Jan 73 (Spa)
ENGLISH ABSTRACT/ HUMAN/ METHODS/ *THYROID DISEASES, diagnosis/ *ULTRASONICS, diagnostic use

384. Bonjour JP, DeLuca HF, Fleisch H, et al: Reversal of the EHDP inhibition of calcium absorption by 1,25-dihydroxycholecalciferol.
Eur J Clin Invest 3:44-8, Jan 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ FEMALE/ HYDROXYCHOLECALCIFEROL, pharmacodynamics/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ HYPERCALCEMIA, chemically induced/ INTESTINAL ABSORPTION, drug effects/ OSSIFICATION, PHYSIOLOGIC, drug effects/ RATS/ VITAMIN D, metabolism

385. Bonner JT, Hall EM, Noller S, et al: Synthesis of cyclic AMP and phosphodiesterase in various species of cellular slime molds and its bearing on chemotaxis and differentiation. Dev Biol 29:402-9, Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CELL DIFFERENTIATION/ *CHEMOTAXIS/ MYXOMYCETES, drug effects/ MYXOMYCETES, enzymology/ *MYXOMYCETES, metabolism/ *PHOSPHODIESTERASES, biosynthesis/ PHOSPHODIESTERASES, pharmacodynamics

386. Bordier PJ, Chot ST, Eastwood JB, et al: Lack of histological evidence of vitamin D abnormality in the bones of anephric patients. Clin Sci 44:33-41, Jan 73
ADOLESCENCE/ ADULT/ BIOPSY/ BONE RESORPTION/ CALCIFICATION, PHYSIOLOGIC/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, SECONDARY, pathology/ *ILIUM, pathology/ KIDNEY FAILURE, CHRONIC, pathology/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ *NEPHRECTOMY/ OSTEOCLASTS/ OSTEOCYTES/ OSTEOMALACIA, pathology/ *VITAMIN D, metabolism/ VITAMIN D DEFICIENCY, pathology

387. Borgaonkar DS: Application of new technics of chromosome identification to cytogenetic problems.
Birth Defects 9:171-82, Jan 73
CELL DIVISION/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOME MAPPING/ *CHROMOSOMES/ *CYTOGENETICS/ FEMALE/ HUMAN/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ POLYMORPHISM (GENETICS)/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ STAINS AND STAINING

388. Borghi A, Maiella M: Le galattoree. Attuali prospettive di interpretazione patogenetica e di inquadramento nosologico.
Recent Prog Med (Roma) 53:482-532, Nov 72 (Ita)
ADOLESCENCE/ ADULT/ AMENORRHEA, complications/ CHIARI-FROMMEL SYNDROME/ FEMALE/ FSH, urine/ HUMAN/ HYPOTHALAMUS, physiopathology/ LACTATION DISORDERS, classification/ *LACTATION DISORDERS, etiology/ LACTATION DISORDERS, physiopathology/ PITUITARY GLAND, physiopathology/ PITUITARY HORMONES, secretion/ PROLACTIN, biosynthesis/ PSYCHOPHYSIOLOGIC DISORDERS/ THYROID HORMONES, secretion

389. Boris A, Scott JW, DeMartino L, et al: Endocrine profile of a nonsteroidal antiandrogen N-(3,5-dimethyl-4-isoxazolylmethyl)phthalimide (DIMP). Acta Endocrinol (Kbh) 72:604-14, Mar 73
*ANDROGENS, antagonists & inhibitors/ ANDROSTENES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CASTRATION/ DEPRESSION, CHEMICAL/ FEMALE/ FLUOXYMESTERONE, antagonists & inhibitors/ *IMIDES, pharmacodynamics/ 17-KETOSTEROIDS, antagonists & inhibitors/ MALE/ ORGAN WEIGHT/ OXAZOLES, pharmacodynamics/ *PHTHALIC ACID, pharmacodynamics/ *PROSTATE, drug effects/ RATS/ *SEMINAL VESICLES, drug effects/ STANOLONE, antagonists & inhibitors/ *TESTIS, drug effects/ TESTIS, physiology/ TESTOSTERONE, antagonists & inhibitors/ *UTERUS, drug effects

390. Boris A, Trmal T, Nelson EW Jr: Anti-ovulatory effects of some androgenic-myotrophic steroids in the pubertal rat. Contraception 5:489-95, Jun 72
ANDROGENS, administration & dosage/ ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ ETHYLESTRENOL, pharmacodynamics/ FEMALE/ METHANDROSTENOLONE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ NANDROLONE, pharmacodynamics/ NORETHANDROLONE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ OVULATION,

drug effects/ OXANDROLONE, pharmacodynamics/ OXYMETHOLONE, pharmacodynamics/ PUBERTY, drug effects/ RATS/ RATS, INBRED STRAINS/ SPECIAL LIST REPRODUCTION/ STANOLONE, pharmacodynamics/ STANOZOLOL, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ UTERUS, drug effects

391. **Boris A, Trmal T, Nelson EW Jr:** The effects of some progestational steroids on pubertal ovulation in the rat. Contraception 5:57-64, Jan 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT, drug effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIMETHISTERONE, pharmacodynamics/ ESTRANES, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ ORGAN WEIGHT/ OVARY, drug effects/ OVULATION, drug effects/ PREGNANES, pharmacodynamics/ PROGESTATIONAL HORMONES, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ UTERUS, drug effects

392. **Borka L, Undheim K:** A thiopyridine derivative of 17 beta-estradiol. Acta Pharm Suec 9:305-8, Sep 72
*ESTRADIOL, chem synthesis/ *PROPIONATES, chem synthesis

393. **Born GV:** Current ideas on the mechanism of platelet aggregation. Ann NY Acad Sci 201:4-12, 27 Oct 72
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ CELL AGGREGATION/ EPINEPHRINE, pharmacodynamics/ HEMOSTASIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *PLATELET ADHESIVENESS/ PSEUDOPODIA, drug effects/ SEROTONIN, pharmacodynamics/ SURFACE PROPERTIES/ THROMBIN, pharmacodynamics

394. **Bosin TR, Campaigne E, Maickel RP:** Biochemical pharmacology of benzo(b)thiophene analogs of harmaline and harmine. Life Sci [I] 11:685-91, 15 Jul 72
ALKALOIDS, blood/ *ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ HALF-LIFE/ INDOLES, blood/ INDOLES, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ MALE/ *MONOAMINE OXIDASE INHIBITORS/ MONOAMINE OXIDASE INHIBITORS, blood/ PARGYLINE, pharmacodynamics/ PYRIDINES, blood/ PYRIDINES, pharmacodynamics/ RATS/ REGRESSION ANALYSIS/ *SEROTONIN, metabolism/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOPHENES, blood/ *THIOPHENES, pharmacodynamics/ TRANYLCYPROMINE, pharmacodynamics/ TRYPTAMINES, metabolism

395. **Boss M, Goolden AW, Gore M, et al:** PBI-ETR for routine screening of thyroid function.
Br Med J 1:352, 10 Feb 73
HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, metabolism

396. **Bosse K:** Kontrazeptiva und Haarwachstum unter tierexperimentellen Aspekten am Modell der Trächtigkeit.
Arch Dermatol Forsch 244:507-10, 1972 (Ger)
ANIMAL EXPERIMENTS/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ESTRIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HAIR, drug effects/ *HAIR, growth & development/ LACTATION/ MICE/ MODELS, BIOLOGICAL/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, pharmacodynamics

397. **Bossi E, Greenberg RE:** Sources of blood glucose in the rat fetus. Pediatr Res 6:765-72, Oct 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ BLOOD SUGAR, analysis/ *BLOOD SUGAR, biosynthesis/ CARBON ISOTOPES/ FASTING/ *FETUS, metabolism/ GESTATIONAL AGE/ GLUCONEOGENESIS/ GLUCOSE, administration & dosage/ GLUCOSE, biosynthesis/ GLYCERIN, metabolism/ GLYCOGEN, analysis/ LIVER, metabolism/ MATERNAL-FETAL EXCHANGE/ PLACENTA, enzymology/ PLACENTA, metabolism/ PYRUVATE KINASE, analysis/ PYRUVATES, metabolism/ RATS/ TRITIUM

398. **Botsch H, Schreiber B, Oeff K:** Serumkonzentration des Trijodthyronins beim autonomen Adenom der Schilddrüse.
Munch Med Wochenschr 114:2181-3, 15 Dec 72 (Ger)
*ADENOMA, enzymology/ ENZYME TESTS/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES/ METHODS/ *THYROID NEOPLASMS, enzymology/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

399. **Böttger WV, Böttger EM:** Degenerationsstudien am Nervus pinealis von Rana esculenta L. nach stirnorgannaher und -ferner Durchtrennung.
Z Zellforsch Mikrosk Anat 136:365-91, 1973 (Ger)
ANIMAL EXPERIMENTS/ AXONS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ COLLAGEN, metabolism/ CONNECTIVE TISSUE CELLS/ CYTOPLASMIC GRANULES/ ELECTROPHYSIOLOGY/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FROGS/ GLYCOGEN, metabolism/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MUCOPOLYSACCHARIDES, metabolism/ MYELIN SHEATH/ *NERVE DEGENERATION/ NERVE FIBERS, MYELINATED/ NEUROPHYSIOLOGY/ PINEAL BODY, metabolism/ *PINEAL BODY, physiopathology/ RANA ESCULENTA/ TIME FACTORS

400. **Botticelli A, Trentini GP, Barbolini G, et al:** Histoenzymology of the "circum-ventricular organs" of the rat. V. The oxidoreductases, the transferases and the hydrolases of the pineal gland.
Acta Histochem (Jena) 44:288-99, 1972
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ HEXOSEPHOSPHATES, metabolism/ HISTOCYTOCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ HYDROLASES, classification/ *HYDROLASES, metabolism/ OXIDOREDUCTASES, classification/ *OXIDOREDUCTASES, metabolism/ *PINEAL BODY, enzymology/ RATS/ TRANSFERASES, classification/ *TRANSFERASES, metabolism

401. **Bouchaud C:** Démonstration par radioautographie de l'existence d'une barrière bématoencéphalique pour la 5-hydroxytryptamine.
C R Acad Sci [D] (Paris) 275:975-8, 28 Aug 72 (Fre)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BLOOD-BRAIN BARRIER/ BRAIN, cytology/ BRAIN CHEMISTRY, drug effects/ CEREBELLUM/ CEREBRAL VENTRICLES/ CHOROID PLEXUS/ HISTOCYTOCHEMISTRY/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ MALE/ MICROSCOPY, ELECTRON/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PHENYLHYDRAZINE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ TRITIUM

402. **Boudier JL:** Influence de la colchicine sur la dépiétion en granules élémentaires des terminaisons neurosécrétoires induite par la déshydratation chez le rat. C R Soc Biol (Paris) 166:650-3, 1972 (Fre)
ANIMAL EXPERIMENTS/ *COLCHICINE, pharmacodynamics/ *DEHYDRATION, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MICROTUBULES, drug effects/ *NERVE ENDINGS, drug effects/ *NEUROSECRETION, drug effects/ *PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR,

pathology/ RATS/ SYNAPTIC VESICLES, drug effects

403. **Boukhris R, Becker KL:** The inter-relationship between vertebral fractures and osteoporosis.
Clin Orthop 90:209-16, Jan-Feb 73
ADULT/ AGE FACTORS/ AGED/ AORTA, ABDOMINAL/ CALCINOSIS, complications/ DENSITOMETRY, X-RAY/ FEMALE/ *FRACTURES, complications/ HUMAN/ *LUMBAR VERTEBRAE, injuries/ LUMBAR VERTEBRAE, radiography/ MALE/ MIDDLE AGE/ NEGROES/ *OSTEOPOROSIS, complications/ SEX FACTORS/ *SPINAL INJURIES, complications/ THORACIC VERTEBRAE, injuries

404. **Boumghar M, Saegesser F, Jéquier E:** Tumeurs neurogènes et trouhles endocriniens.
Lyon Chir 68:91-3, Mar-Apr 72 **(Fre)**
CATECHOLAMINES, metabolism/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ NEUROBLASTOMA, diagnosis/ *NEUROBLASTOMA, physiopathology/ PHENYLACETATES, urine/ VANILMANDELIC ACID, urine

405. **Bourne HR, Lehrer RI, Lichtenstein LM, et al:** Effects of cholera enterotoxin on adenosine 3',5'-monophosphate and neutrophil function. Comparison with other compounds which stimulate leukocyte adenyl cyclase.
J Clin Invest 52:698-708, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CANDIDA ALBICANS/ CHOLERA/ CYCLOHEXIMIDE, pharmacodynamics/ *ENTEROTOXINS, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ LEUKOCYTES, enzymology/ NEUTROPHILS, drug effects/ *NEUTROPHILS, metabolism/ PHAGOCYTOSIS/ PROSTAGLANDINS, pharmacodynamics

406. **Bourne RA, Bryant JA, Grierson D, et al:** Prolactin-stimulated deoxyribonucleic acid synthesis in rabbit mammary tissue. Biochem J 130:10P, Nov 72
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ *DNA, biosynthesis/ DNA, metabolism/ FEMALE/ MAMMAE, drug effects/ *MAMMAE, metabolism/ PROLACTIN, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TRITIUM

407. **Bousfield G:** The pill and venereal disease.
Br Med J 1:491, 24 Feb 73
CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ *VENEREAL DISEASES, prevention & control

408. **Bousquet B, Larregue M, Barthélémy JP, et al:** Syndrome pellagroide avec carence en vitamine B6. Etude biologique et clinique à propos d'un cas.
Ann Biol Clin (Paris) 30:585-92, 1972 **(Fre)**
*AMINO ACIDS, metabolism/ CYSTINE, metabolism/ ENGLISH ABSTRACT/ HUMAN/ INDOLEACETIC ACID, metabolism/ LIVER CIRRHOSIS, complications/ MALE/ METABOLISM, INBORN ERRORS, complications/ METHIONINE, metabolism/ MIDDLE AGE/ *PELLAGRA, complications/ PELLAGRA, metabolism/ *PYRIDOXINE DEFICIENCY, complications/ PYRIDOXINE DEFICIENCY, etiology/ PYRIDOXINE DEFICIENCY, metabolism/ SEROTONIN, metabolism/ SULFUR, metabolism/ TAURINE, metabolism/ *TRYPTOPHAN, metabolism/ XANTHURENATES, urine

409. **Bouters R, Vandeplassche M, De Moor A:** An intersex (male pseudohermaphrodite) horse with 64 XX-65 XXY mosaicism. Equine Vet J 4:150-3, Jul 72
ANIMAL EXPERIMENTS/ *HORSE DISEASES, familial & genetic/ HORSE DISEASES, pathology/ HORSES/ KARYOTYPING/ MALE/ *MOSAICISM/ PSEUDOHERMAPHRODITISM, familial & genetic/ PSEUDOHERMAPHRODITISM, pathology/ *PSEUDOHERMAPHRODITISM, veterinary

410. **Bouvier M, Lejeune E, Queneau P, et al:** Sarcoïdose avec lacunes crâniennes. A propos d'une observation personnelle et de spet ohservations relevées dand la littérature.
Rev Rhum Mal Osteoartic 39:205-14, Mar 72 **(Fre)**
ADOLESCENCE/ ADULT/ *BONE DISEASES/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LIVER DISEASES, complications/ LUNG, radiography/ LUNG DISEASES, complications/ LYMPH NODES/ MALE/ MIDDLE AGE/ *SARCOIDOSIS/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology/ SARCOIDOSIS, radiography/ SKIN MANIFESTATIONS/ *SKULL/ SKULL, pathology/ SKULL, radiography/ SPLENIC DISEASES, complications/ TOMOGRAPHY

411. **Bouyard P, Mesdjian E, Balansard P, et al:** Effets comparés du chlorhydrate et de l'acéfyllinate d'heptaminol sur la curarisation.
C R Soc Biol (Paris) 166:662-6, 1972 **(Fre)**
ADMINISTRATION, ORAL/ *AMINO ALCOHOLS, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE DETERMINATION/ *CURARE-LIKE AGENTS, pharmacodynamics/ DRUG INTERACTIONS/ GALLAMINE TRIETHIODIDE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ MALE/ *NEUROMUSCULAR JUNCTION, drug effects/ PANCURONIUM, pharmacodynamics/ RATS/ *THEOPHYLLINE, pharmacodynamics/ TUBOCURARINE, pharmacodynamics

412. **Bower PJ, Batson HM Jr:** The diagnostic evaluation of the hypertensive patient.
J La State Med Soc 125:43-6, Feh 73
ADRENAL GLAND NEOPLASMS, diagnosis/ CATECHOLAMINES, secretion/ EVALUATION STUDIES/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, etiology/ HYPERTENSION, RENAL, diagnosis/ PHEOCHROMOCYTOMA, diagnosis/ PITUITARY-ADRENAL FUNCTION TESTS/ RENAL ARTERY OBSTRUCTION, diagnosis

413. **Bowers CY, Currie BL, Johansson KN, et al:** Biological evidence that separate hypothalamic hormones release the follicle stimulating and lutneinizing hormones.
Biochem Biophys Res Commun 50:20-6, 4 Jan 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, analysis/ *FSH, secretion/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ IN VITRO/ *LH, secretion/ MALE/ PEPTIDES, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SEX FACTORS/ SHEEP, immunology/ SWINE

414. **Bowers RE:** Melkersson's syndrome.
Proc R Soc Med 65:1078, Dec 72
ANTIBODIES/ COMPLEMENT FIXATION TESTS/ CORTICOTROPIN, therapeutic use/ FEMALE/ *HERPES SIMPLEX, complications/ HERPES SIMPLEX, immunology/ HUMAN/ HYPERSENSITIVITY, DELAYED/ MELKERSSON-ROSENTHAL SYNDROME, drug therapy/ *MELKERSSON-ROSENTHAL SYNDROME, etiology/ MIDDLE AGE/ TETRACYCLINE, therapeutic use/ TRIAMCINOLONE, therapeutic use

415. **Bowland JP**: Progress in swine nutrition for the veterinarian. Can Vet J 14:3-11, Jan 73 (80 ref.)
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BIOTIN, metabolism/ CALCIUM, metabolism/ CHOLINE, metabolism/ DIETARY PROTEINS, metabolism/ FEMALE/ MALE/ NITROGEN, metabolism/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS, metabolism/ PREGNANCY/ REVIEW/ SELENIUM, metabolism/ SEX FACTORS/ *SWINE, metabolism/ VITAMIN A, metabolism/ VITAMIN E, metabolism/ VITAMIN K, metabolism/ WATER/ ZINC, metabolism

416. **Boyar RM, Perlow M, Kapen S, et al**: The effect of clomiphene citrate on the 24-hour LH secretory pattern in normal men.
J Clin Endocrinol Metab 36:561-7, Mar 73
ADULT/ *CLOMIPHENE, pharmacodynamics/ HALF-LIFE/ HUMAN/ *LH, blood/ MALE/ RADIOIMMUNOASSAY/ TIME FACTORS

417. **Boyle CM, Alexander WD, Stevenson JG**: A new hospital letter for the specialist clinic. The thyroid clinic. Lancet 1:249-51, 3 Feb 73
*COMMUNICATION/ DECISION MAKING/ DELIVERY OF HEALTH CARE/ FOLLOW-UP STUDIES/ HOSPITALIZATION/ *HOSPITALS/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, therapy/ INFORMATION RETRIEVAL SYSTEMS/ INTERPROFESSIONAL RELATIONS/ MEDICAL RECORDS/ METHODS/ PRIMARY HEALTH CARE/ QUALITY OF HEALTH CARE/ *REFERRAL AND CONSULTATION/ SPECIALTIES, MEDICAL

418. **Braaksma JT, Brenner WE, Fishburne JI Jr, et al**: Intrauterine extra-amniotic administration of prostaglandin F 2 for therapeutic abortion. Early myometrial effects.
Am J Obstet Gynecol 114:511-5, 15 Oct 72
*ABORTION, THERAPEUTIC/ AMNION/ FEMALE/ GESTATIONAL AGE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ UTERUS/ *UTERUS, drug effects

419. **Bracken MB, Kasl SV**: Factors associated with dropping out of family planning clinics in Jamaica.
Am J Public Health 63:262-71, Mar 73
ABORTION/ ADOLESCENCE/ ADULT/ AGE FACTORS/ ATTITUDE/ CHILD/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ FAMILY CHARACTERISTICS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ JAMAICA/ MARRIAGE/ MORTALITY/ PARITY/ PREGNANCY/ RESIDENCE CHARACTERISTICS/ SOCIAL CLASS

420. **Bradford GE**: The role of maternal effects in animal breeding. VII. Maternal effects in sheep.
J Anim Sci 35:1324-34, Dec 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BIRTH WEIGHT/ BODY COMPOSITION/ *BREEDING/ ENVIRONMENT/ FEMALE/ *GENETICS/ GENOTYPE/ LACTATION/ MATERNAL BEHAVIOR/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *SHEEP, growth & development/ TRIPLETS/ TWINS/ WEANING

421. **Bradford GE**: The role of maternal effects in animal breeding. VII. Maternal effects in sheep.
J Anim Sci 35:1324-34, Dec 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BIRTH WEIGHT/ BODY COMPOSITION/ *BREEDING/ ENVIRONMENT/ FEMALE/ *GENETICS/ GENOTYPE/ LACTATION/ MATERNAL BEHAVIOR/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ REVIEW/ *SHEEP, growth & development/ TRIPLETS/ TWINS/ WEANING

422. **Bradford WD, Wilson JW, Gaede JT**: Primary neonatal hyperparathyroidism--an unusual cause of failure to thrive. Am J Clin Pathol 59:265-75, Feb 73
FEMALE/ FEMUR, radiography/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, radiography/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, pathology/ INFANT, NEWBORN, DISEASES, radiography/ MICROSCOPY, ELECTRON/ MYOCARDIUM, pathology/ ORGAN WEIGHT/ PARATHYROID GLANDS, pathology/ RIBS, pathology/ THORACIC RADIOGRAPHY

423. **Bradshaw SD, Shoemaker VH, Nagy KA**: The role of adrenal corticosteroids in the regulation of kidney function in the desert lizard Dipsosaurus dorsalis.
Comp Biochem Physiol [A] 43:621-35, 1 Nov 72
*ADRENAL CORTEX HORMONES, physiology/ ALCOHOL, ETHYL, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ INULIN, metabolism/ KIDNEY, drug effects/ *KIDNEY, physiology/ *LIZARDS, physiology/ *NATRIURESIS/ PHOTOMETRY/ SODIUM, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS/ TRITIUM

424. **Bradshaw WN, Hsu TC**: Chromosomes of Peromyscus (Rodentia, Cricetidae). 3. Polymorphism in Peromyscus maniculatus. Cytogenetics 11:436-51, 1972
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ FEMALE/ KARYOTYPING/ MALE/ *MICE/ *POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES/ STAINS AND STAINING/ VARIATION (GENETICS)

425. **Braendle W, Breckwoldt M, Graesslin D, et al**: Distribution and binding of J 131 -human chorionic gonadotropin (HCG) in different organs of pseudopregnant female rats.
Fertil Steril 24:126-30, Feb 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IODINE ISOTOPES/ *KIDNEY, metabolism/ LH, pharmacodynamics/ LIVER, metabolism/ MUSCLES, metabolism/ *OVARY, metabolism/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PREGNANCY/ *PSEUDOPREGNANCY/ RATS/ *RECEPTORS, HORMONE/ SERUM ALBUMIN, BOVINE/ THYMUS GLAND, metabolism/ TIME FACTORS

426. **Brailovsky C, Trudel M, Lallier R, et al**: Growth of normal and transformed rat embryo fibroblasts: effects of glycolipids from Salmonella minnesota R mutants. J Cell Biol 57:124-32, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL SURVIVAL/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CELLS, CULTURED/ FIBROBLASTS, analysis/ *FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ GLYCOLIPIDS, analysis/ GLYCOLIPIDS, metabolism/ *GLYCOLIPIDS, pharmacodynamics/ MUTATION/ RATS, embryology/ *SALMONELLA/ SV40 VIRUS

427. **Brandrup FO**: Et tilfaelde af lithiuminduceret reversibelt myksødem.
Ugeskr Laeger 134:2710-2, 18 Dec 72 (Dan)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LITHIUM, adverse effects/ *MYXEDEMA, chemically induced/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ THYROID GLAND FUNCTION TESTS

428. **Brandt JT, Pierce DA, Fausto N**: Ornithine decarboxylase activity and polyamine synthesis during kidney hypertrophy.

Biochim Biophys Acta 279:184-93, 18 Aug 72
ACTINOMYCIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBOXY-LYASES, antagonists & inhibitors/ *CARBOXY-LYASES, metabolism/ DEPRESSION, CHEMICAL/ ELECTROPHORESIS, PAPER/ HYDROCORTISONE, pharmacodynamics/ HYPERTROPHY, enzymology/ IN VITRO/ KIDNEY, analysis/ *KIDNEY DISEASES, enzymology/ NEPHRECTOMY/ ORNITHINE/ PUTRESCINE, analysis/ RATS/ SPERMIDINE, analysis/ SPERMINE, analysis/ STIMULATION, CHEMICAL

429. **Brant J:** Arrhenoblastoma in a 12-year-old girl. Int Surg 58:135-7, Feb 73
*ARRHENOBLASTOMA/ ARRHENOBLASTOMA, pathology/ ARRHENOBLASTOMA, surgery/ CHILD/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ OVARY, pathology

430. **Brasmer TH:** Shock--basic pathophysiology and treatment. Vet Clin N Amer 2:219-33, May 72 (9 ref.)
ANIMAL EXPERIMENTS/ ANTIBIOTICS, therapeutic use/ BLOOD VOLUME/ CENTRAL VENOUS PRESSURE/ DIURESIS/ *DOG DISEASES/ DOG DISEASES, physiopathology/ DOG DISEASES, therapy/ DOGS/ ELECTROLYTES, blood/ GLUCOCORTICOIDS, therapeutic use/ HEMATOCRIT/ INFUSIONS, PARENTERAL/ KIDNEY FAILURE, ACUTE, veterinary/ LUNG DISEASES, veterinary/ OXYGEN, blood/ PROGNOSIS/ REVIEW/ SHOCK, physiopathology/ SHOCK, therapy/ SHOCK, veterinary/ SHOCK, CARDIOGENIC, veterinary/ SHOCK, HEMORRHAGIC, veterinary/ SHOCK, TOXIC, veterinary/ VASCULAR RESISTANCE

431. **Braun KP, Glanzmann C, Nilson K, et al:** Das Verhalten des Wachstumshormons (HGH) im Serum nach Insulin-Stimulation bei Radiojod behandelten toxischen Adenomen und Basedow-Erkrankungen. Klin Wochenschr 51:123-6, 1 Feb 73 (Ger)
*ADENOMA, blood/ ENDOCRINE GLANDS, metabolism/ ENGLISH ABSTRACT/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, physiopathology/ GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *INSULIN, pharmacodynamics/ IODINE ISOTOPES, therapeutic use/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiopathology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ *THYROID NEOPLASMS, blood/ THYROID NEOPLASMS, physiopathology/ THYROID NEOPLASMS, radiotherapy

432. **Braun P:** Ektopiás hormonképzés--paraneoplastikus syndromák. Orv Hetil 114:670-1, 25 Mar 73 (Hun)
*HORMONES, ECTOPIC/ HUMAN/ NEOPLASM METASTASIS/ *NEOPLASMS

433. **Braunsberg H, Killen E, Richardson SG:** The effect of thiols on oestradiol binding by components of human malignant breast tumours. Biochem J 130:38P, Nov 72
BINDING SITES/ *BREAST NEOPLASMS, metabolism/ CYSTEINE/ DITHIOTHREITOL/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ MERCAPTOETHANOL/ *SULFHYDRYL COMPOUNDS

434. **Braunstein GD, Grodin JM, Vaitukaitis J, et al:** Secretory rates of human chorionic gonadotropin by normal trophoblast.
Am J Obstet Gynecol 115:447-50, 15 Feb 73
CHORIOCARCINOMA, metabolism/ CLOMIPHENE, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, physiology/ *GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ IODINE ISOTOPES/ LH, blood/ MENOTROPINS, pharmacodynamics/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ SECRETORY RATE/ TIME FACTORS/ TROPHOBLAST, cytology/ TROPHOBLAST, growth & development/ *TROPHOBLAST, secretion

435. **Bravo EL:** Evaluation of a simplified technic for the measurement of aldosterone in human urine.
Am J Clin Pathol 59:22-30, Jan 73
*ALDOSTERONE, urine/ CARBON ISOTOPES/ *CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HUMAN/ HYDROLYSIS/ *HYPERALDOSTERONISM, urine/ *HYPERTENSION, urine/ INDICATORS AND REAGENTS/ MALE/ METHODS/ NATRIURESIS/ SOLVENTS

436. **Bray AR, Wodzicka-Tomaszewska M:** Perinatal behaviour and maternal corticosteroid levels in sheep. J Reprod Fertil 32:319-20, Feb 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ FEMALE/ *LABOR/ *MATERNAL BEHAVIOR/ PREGNANCY/ *SHEEP, physiology

437. **Bray GA, York DA, Swerloff RS:** Genetic obesity in rats. I. The effects of food restriction on body composition and hypothalamic function.
Metabolism 22:435-42, Mar 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *BODY COMPOSITION/ BODY WEIGHT/ *DIET/ FEMALE/ FSH, analysis/ *HYPOTHALAMUS, physiopathology/ LH, analysis/ LIVER, anatomy & histology/ *OBESITY, familial & genetic/ OBESITY, metabolism/ OBESITY, physiopathology/ ORGAN WEIGHT/ OVARY, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ RATS/ *RATS, INBRED STRAINS/ THYROID GLAND, anatomy & histology/ UTERUS, anatomy & histology

438. **Breen KJ, Schenker S:** Hepatic coma: present concepts of pathogenesis and therapy.
Prog Liver Dis 4:301-32, 1972 (156 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ AMINO ACIDS, metabolism/ AMMONIA, metabolism/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, therapeutic use/ BIOGENIC AMINES, metabolism/ BRAIN, metabolism/ BRAIN, pathology/ DIET THERAPY/ DIETARY PROTEINS, administration & dosage/ DISEASE MODELS, ANIMAL/ DIURETICS, therapeutic use/ EXCHANGE TRANSFUSION/ FATTY ACIDS, metabolism/ HEMODIALYSIS/ HEMORRHAGE, GASTROINTESTINAL, prevention & control/ *HEPATIC COMA/ HEPATIC COMA, chemically induced/ HEPATIC COMA, etiology/ HEPATIC COMA, pathology/ HEPATIC COMA, therapy/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ PARABIOSIS/ REVIEW

439. **Bréhant J:** La ponction des kystes de l'ovaire est-elle légitime. Nouv Presse Med 2:119, 13 Jan 73 (Fre)
FEMALE/ HUMAN/ METHODS/ *OVARIAN CYSTS, surgery/ PERITONEOSCOPY/ *PUNCTURES

440. **Brekelmans WA, Poort HW, Slooff TJ:** A new method to analyse the mechanical behaviour of skeletal parts.
Acta Orthop Scand 43:301-17, 1972
*BONE AND BONES, physiology/ METHODS/ *MODELS, THEORETICAL/ *STRESS, MECHANICAL

441. **Breneman WR:** Bioassay of thyrotropin in chicks with simultaneous estimation of gonadotropin.
Gen Comp Endocrinol 20:41-52, Feb 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ CHICKENS, metabolism/ COMPARATIVE STUDY/ FSH, analysis/ *GONADOTROPINS, PITUITARY, analysis/ LH, analysis/ MALE/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, analysis/ TESTIS, metabolism/ THIOUREA, pharmacodynamics/ THYROID GLAND, metabolism/ *THYROTROPIN, analysis/ TIME FACTORS/ TISSUE EXTRACTS

442. **Brenner WE, Hendricks CH, Braaksma JT, et al:** Intra-amniotic administration of prostaglandin F 2 for induction of therapeutic abortion. A comparison of four dosage schedules. J Reprod Med 9:456-63, Dec 72
ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MEPERIDINE, therapeutic use/ NAUSEA, chemically induced/ PAIN/ PARITY/ PREGNANCY/ PROCHLORPERAZINE, therapeutic use/ PROMETHAZINE, therapeutic use/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ VOMITING, chemically induced

443. **Brent BE, Miller ER, Ullrey DE, et al:** Postpartum changes in nitrogenous constituents of sow milk. J Anim Sci 36:73-8, Jan 73
AGAR/ ANIMAL EXPERIMENTS/ CASEIN, analysis/ COLOSTRUM, analysis/ ELECTROPHORESIS/ FEMALE/ GELS/ HEAT/ IMMUNOGLOBULINS, analysis/ ISOELECTRIC FOCUSING/ LACTALBUMIN, analysis/ LACTATION/ METHODS/ *MILK, analysis/ MILK PROTEINS, analysis/ NITROGEN, analysis/ PREGNANCY/ *PUERPERIUM/ REGRESSION ANALYSIS/ SERUM ALBUMIN, analysis/ *SWINE, metabolism/ TIME FACTORS

444. **Bresler VM:** Stroenie rudimentov polovykh zhelez pri disgenezii gonad i problema klassifikatsii étikh porokov polovoĭ sistemy.
Arkh Patol 35:66-72, 1973 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GONADS, pathology/ HUMAN/ MOSAICISM/ SEX CHROMOSOMES/ TURNER'S SYNDROME, classification/ TURNER'S SYNDROME, familial & genetic/ *TURNER'S SYNDROME, pathology

445. **Breuer J, Breuer H, Lisboa BP:** Untersuchungen über den Stoffwechsel von Steroidhormonen bei Vertebraten. X. Stoffwechsel von (4- 14C)ostron in der Leber normaler und geschlechtskonvertierter afrikanischer Spornfrösche (Xenopus laevis.
Hoppe Seylers Z Physiol Chem 353:1915-21, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ CROSSES, GENETIC/ ENGLISH ABSTRACT/ ESTRADIOL, analysis/ ESTRONE, analysis/ *ESTRONE, metabolism/ FEMALE/ LIVER, analysis/ *LIVER, metabolism/ MALE/ SEX FACTORS/ SEX REVERSAL, GONADAL/ *XENOPUS, metabolism

446. **Bricaire H, Luton JP, Turpin G:** Tumeurs de l'hypophyse et syndromes de Cushing.
Nouv Presse Med 2:499-502, 24 Feb 73 (Fre)
*ADENOMA, complications/ ADENOMA, metabolism/ ADENOMA, pathology/ ADRENAL GLAND HYPERFUNCTION, metabolism/ ADRENALECTOMY/ COBALT ISOTOPES, therapeutic use/ CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, complications/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, metabolism/ CUSHING'S SYNDROME, pathology/ CUSHING'S SYNDROME, radiotherapy/ DEXAMETHASONE, therapeutic use/ HUMAN/ HYPOPHYSECTOMY/ MSH, secretion/ PIGMENTATION DISORDERS/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, metabolism

447. **Bridges TE, Fisher AW, Gosbee JL, et al:** Acetylcholine and cholinesterases (assays and light- and electron microscopial histochemistry) in different parts of the pituitary of rat, rabbit and domestic pig.
Z Zellforsch Mikrosk Anat 136:1-18, 1973
*ACETYLCHOLINE, analysis/ ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ BUTYRATES/ CELL NUCLEUS/ *CHOLINESTERASE, analysis/ COLORIMETRY/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NERVE ENDINGS/ NEUROSECRETION/ PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, enzymology/ RABBITS/ RATS/ SWINE

448. **Briggs M, Briggs M, Bennun M:** Steroid contraceptives and plasma carotenoids.
Contraception 6:275-80, Oct 72
ADULT/ CAROTENE, blood/ CONTRACEPTIVES, ORAL/ DELAYED-ACTION PREPARATIONS/ DRUG COMBINATIONS/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ LIPOPROTEINS, LDL, blood/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROTEIN BINDING/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ VITAMIN A, blood

449. **Briggs MH, Briggs M:** Effects of ethinylestradiol and cyproterone acetate on androgen metabolism by the human prostate gland.
J Clin Endocrinol Metab 36:600-4, Mar 73
AGED/ *ANDROGENS, antagonists & inhibitors/ ANDROSTANES, metabolism/ ANDROSTENES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CYPROTERONE, pharmacodynamics/ *ETHINYL ESTRADIOL, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ *PREGNADIENES, pharmacodynamics/ PROSTATE, drug effects/ *PROSTATE, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

450. **Briggs MH, Briggs M:** Induction by topical corticosteroids of skin enzymes metabolizing carcinogenic hydrocarbons.
Br J Dermatol 88:75-81, Jan 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES, pharmacodynamics/ BENZOPYRENES, metabolism/ BETAMETHASONE, pharmacodynamics/ *CARCINOGENS, metabolism/ DIMETHYL SULFOXIDE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FLAVONES, pharmacodynamics/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ *GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HYDROCARBONS, metabolism/ *HYDROXYLASES, metabolism/ INJECTIONS, INTRAPERITONEAL/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ PREGNANETRIOL, pharmacodynamics/ *SKIN, enzymology/ *SKIN NEOPLASMS, chemically induced

451. **Brinkhous KM, Davis PD, Graham JB, et al:** Expression and linkage of genes for X-linked hemophilias A and B in the dog. Blood 41:577-85, Apr 73
ANIMAL EXPERIMENTS/ BREEDING/ *CHRISTMAS DISEASE, familial & genetic/ CROSSES, GENETIC/ DOGS/ FACTOR VIII, analysis/ FACTOR IX, analysis/ FEMALE/ *HEMOPHILIA, familial & genetic/ HETEROZYGOTE/ *LINKAGE (GENETICS)/ MALE/ PHENOTYPE/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES

452. **Brisson GR, Malaisse WJ:** The stimulus-secretion coupling of glucose-induced insulin release. XI. Effects of theophylline and epinephrine on Ca efflux from perifused islets. Metabolism 22:455-65, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLUCOSE, pharmacodynamics/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, secretion/ RATS/ STIMULATION, CHEMICAL/

*THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

453. **Broadbent DW:** Listeria as a cause of abortion and neonatal mortality in sheep.
Aust Vet J 48:391-4, Jul 72 (35 ref.)
*ABORTION, VETERINARY, etiology/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CARRIER STATE/ DISEASE OUTBREAKS/ FEMALE/ FETUS/ LISTERIA INFECTIONS, mortality/ LISTERIA INFECTIONS, pathology/ LISTERIA INFECTIONS, prevention & control/ *LISTERIA INFECTIONS, veterinary/ LISTERIA MONOCYTOGENES, isolation & purification/ LIVER, pathology/ LUNG, pathology/ NECROSIS, pathology/ PREGNANCY/ REVIEW/ SEROTYPING/ SHEEP/ *SHEEP DISEASES/ SPLEEN, pathology

454. **Brod J, Horbach L, Just H, et al:** Acute effects of clonidine on central and peripheral haemodynamics and plasma renin activity.
Eur J Clin Pharmacol 4:107-14, Mar 72
ADOLESCENCE/ ADULT/ AGED/ CARDIAC OUTPUT/ CENTRAL VENOUS PRESSURE, drug effects/ CLINICAL RESEARCH/ CLONIDINE, adverse effects/ *CLONIDINE, pharmacodynamics/ ELECTROCARDIOGRAPHY/ FEMALE/ GLOMERULAR FILTRATION RATE/ *HEMODYNAMICS, drug effects/ HUMAN/ HYPERTENSION, physiopathology/ KIDNEY, drug effects/ MALE/ MIDDLE AGE/ RENAL VEINS, drug effects/ RENAL VEINS, physiopathology/ *RENIN, blood/ STATISTICS/ STRESS, physiopathology/ VASCULAR RESISTANCE, drug effects

455. **Brodehl J:** Steroide oder Zytostatika beim kindlichen nephrotischen Syndrom.
Klin Paediatr 184:241-9, Jul 72 (34 ref.) (Ger)
AGE FACTORS/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFANT/ INFANT, NEWBORN/ NEPHROSIS, LIPOID, drug therapy/ NEPHROTIC SYNDROME, diagnosis/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, occurrence/ PENICILLIN G, therapeutic use/ PROGNOSIS/ REVIEW/ STEROIDS, adverse effects/ *STEROIDS, therapeutic use/ SYPHILIS, CONGENITAL, complications/ SYPHILIS, CONGENITAL, drug therapy

456. **Brokx PA:** Ovarian composition and aspects of the reproductive physiology of Venezuelan white-tailed deer (Odocoileus virginianus gymnotis).
J Mammal 53:760-73, Nov 72
ANIMAL EXPERIMENTS/ DEER, anatomy & histology/ *DEER, physiology/ ESTRUS/ FEMALE/ *OVARY, anatomy & histology/ OVULATION/ PREGNANCY/ *REPRODUCTION/ VENEZUELA

457. **Brooks FP:** The neurohumoral control of pancreatic exocrine secretion.
Am J Clin Nutr 26:291-310, Mar 73 (226 ref.)
ACETYLCHOLINE, physiology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, secretion/ ANIMAL EXPERIMENTS/ BINDING SITES/ CHOLECYSTOKININ, physiology/ DIET/ ENDOCRINE GLANDS, physiology/ GASTRIN, physiology/ GLUCAGON, physiology/ HUMAN/ IMMUNOLOGIC TECHNICS/ *NEUROHUMORS/ PANCREAS, innervation/ *PANCREAS, secretion/ PANCREOZYMIN, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PEPTIDES, physiology/ RECEPTORS, HORMONE/ REFLEX/ REVIEW/ SECRETIN, physiology/ SPLANCHNIC NERVES, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology/ TRYPSIN INHIBITORS, pharmacodynamics

458. **Brown D:** Herpes zoster of the vulva.
Clin Obstet Gynecol 15:1010-4, Dec 72
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIBIOTICS, therapeutic use/ FEMALE/ *HERPES ZOSTER/ HERPES ZOSTER, diagnosis/ HERPES ZOSTER, drug therapy/ HERPES ZOSTER, immunology/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, diagnosis/ TRIAMCINOLONE ACETONIDE, therapeutic use/ VARICELLA-ZOSTER VIRUS, immunology/ *VULVA

459. **Brown GM, Krigstein E, Dankova J, et al:** Relationship between hypothalamic and median eminence catecholamines and thyroid function.
Neuroendocrinology 10:207-17, 1972
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES, drug effects/ *DOPAMINE, physiology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, secretion/ MALE/ *NOREPINEPHRINE, physiology/ PHENYLACETATES, physiology/ PITUITARY GLAND, secretion/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROTROPIN, secretion/ THYROXINE, pharmacodynamics

460. **Brown LP, Besch PK, Skelley DS, et al:** Overnight radioimmunoassay of human follicle-stimulating hormone. Clin Chem 19:197-200, Feb 73
ANTIBODY SPECIFICITY/ FEMALE/ *FSH, blood/ GAMMA GLOBULIN/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES, DIAGNOSTIC/ ISOTOPE LABELING/ MENOPAUSE/ METHODS/ PITUITARY GLAND, immunology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, blood/ SPECIES SPECIFICITY/ TEMPERATURE/ TESTICULAR FEMINIZATION, blood/ TIME FACTORS/ TISSUE EXTRACTS/ TURNER'S SYNDROME, blood

461. **Brown RD, Nicholson WE, Chick WT, et al:** Effect of o,p'DDD on human adrenal steroid 11 beta-hydroxylation activity.
J Clin Endocrinol Metab 36:730-3, Apr 73
ADULT/ AGED/ CORTICOSTERONE, blood/ *CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, drug therapy/ *DDD, therapeutic use/ DESOXYCORTICOSTERONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYLATION/ HYDROXYPROGESTERONE, blood/ MALE/ MIDDLE AGE/ PROGESTERONE, blood/ TIME FACTORS/ TRITIUM

462. **Brown RD, Van Loon GR, Orth DN, et al:** Cushing's disease with periodic hormonogenesis: one explanation for paradoxical response to dexamethasone.
J Clin Endocrinol Metab 36:445-51, Mar 73
CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, blood/ *CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, urine/ *DEXAMETHASONE, diagnostic use/ DOPA, diagnostic use/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, diagnostic use/ 17-HYDROXYCORTICOSTEROIDS, urine/ METYRAPONE, diagnostic use/ MIDDLE AGE/ *PERIODICITY/ PITUITARY-ADRENAL SYSTEM, drug effects/ VASOPRESSIN, diagnostic use

463. **Brown RG, Aeschbacher HU, Funk D:** Connective tissue metabolism in swine. IV. Growth dependent changes in the composition of long bones in female swine.
Growth 36:389-406, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *BONE DEVELOPMENT/ *CALCIUM, metabolism/ CARTILAGE, metabolism/ FEMALE/ FEMUR, growth & development/ FEMUR, metabolism/ FIBULA, growth & development/ FIBULA, metabolism/ *HEXOSAMINES, metabolism/

HUMERUS, growth & development/ HUMERUS, metabolism/ *HYDROXYPROLINE, metabolism/ NASAL SEPTUM, metabolism/ RADIUS, growth & development/ RADIUS, metabolism/ *SWINE, growth & development/ TIBIA, growth & development/ TIBIA, metabolism/ ULNA, growth & development/ ULNA, metabolism

464. **Brown SW, Chandra HS:** Inactivation system of the mammalian X chromosome.
Proc Natl Acad Sci USA 70:195-9, Jan 73
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ DIPLOIDY/ HUMAN/ MARSUPIALIA/ MICE/ PHYSIOLOGY, COMPARATIVE/ POLYPLOIDY/ SEX CHROMATIN/ SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES, physiology/ SEX FACTORS

465. **Brown WT:** The use of lithium carbonate in the treatment of mood disorders.
Can Med Assoc J 108:742-4 passim, 17 Mar 73 (26 ref.)
ABNORMALITIES, DRUG-INDUCED/ ANTIDEPRESSIVE AGENTS, therapeutic use/ CARBONATES, therapeutic use/ GOITER, chemically induced/ HUMAN/ INFUSIONS, PARENTERAL/ LITHIUM, administration & dosage/ LITHIUM, adverse effects/ LITHIUM, blood/ LITHIUM, pharmacodynamics/ *LITHIUM, therapeutic use/ LITHIUM, toxicity/ LITHIUM, urine/ POISONING, therapy/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ RETICULAR FORMATION, drug effects/ REVIEW/ SODIUM, antagonists & inhibitors/ THALAMUS, drug effects

466. **Brownstein MH, Hashimoto K, Greenwald G:** Biphasic amyloidosis: link between macular and lichenoid forms. Br J Dermatol 88:25-9, Jan 73
ADULT/ AMYLOIDOSIS, drug therapy/ *AMYLOIDOSIS, pathology/ BIOPSY/ FEMALE/ HUMAN/ INJECTIONS, INTRADERMAL/ LEG DERMATOSES, drug therapy/ *LEG DERMATOSES, pathology/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ SKIN, pathology/ *TRIAMCINOLONE ACETONIDE, therapeutic use

467. **Bruck J, Maly J, Quatember R, et al:** Klinische und psychologische Erfahrungen mit einem Geriatrikum.
Wien Med Wochenschr 122:747-53, 9 Dec 72 (Ger)
AGED/ CLINICAL RESEARCH/ CRATAEGUS/ HEMATOPORPHYRIN, therapeutic use/ HUMAN/ INOSITOL, therapeutic use/ MIDDLE AGE/ MOTOR SKILLS/ NICOTINIC ACID, therapeutic use/ NIKETHAMIDE, therapeutic use/ OROTIC ACID, therapeutic use/ PHENOLS, therapeutic use/ PLACEBOS/ PLACENTAL EXTRACTS, therapeutic use/ PROCAINE, therapeutic use/ *PSYCHOSES, ORGANIC, drug therapy/ RUTIN, therapeutic use/ TRACE ELEMENTS, therapeutic use/ VISUAL PERCEPTION/ VITAMINS, therapeutic use

468. **Bruckner FE, Howell A:** Neuropathic joints.
Semin Arthritis Rheum 2:47-9, Summer 72 (92 ref.)
ADRENAL CORTEX HORMONES, adverse effects/ ARTHRODESIS/ *ARTHROPATHY, NEUROGENIC/ ARTHROPATHY, NEUROGENIC, chemically induced/ ARTHROPATHY, NEUROGENIC, etiology/ ARTHROPATHY, NEUROGENIC, pathology/ ARTHROPATHY, NEUROGENIC, radiography/ ARTHROPATHY, NEUROGENIC, surgery/ DEBRIDEMENT/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ LEPROSY, complications/ MALE/ OSTEOTOMY/ REVIEW/ SPINA BIFIDA, complications/ SYRINGOMYELIA, complications/ TABES DORSALIS, complications/ WOUNDS AND INJURIES, complications

469. **Brugarolas A, Takita H:** Effect of gammaglobulin on hypercalcemia with cancer.
NY State J Med 73:452-4, 1 Feb 73
AGED/ *CARCINOMA, EPIDERMOID, complications/ *GAMMA GLOBULIN, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ *LUNG NEOPLASMS, complications/ MALE/ MIDDLE AGE

470. **Bruinvels J:** Inhibition of the biosynthesis of 5-hydroxytryptamine in rat brain by imipramine.
Eur J Pharmacol 20:231-7, Nov 72
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ CARBON ISOTOPES/ FLUORESCENCE SPECTROMETRY/ FLUOROMETRY/ HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, metabolism/ *IMIPRAMINE, pharmacodynamics/ KINETICS/ MALE/ PROBENECID, pharmacodynamics/ RATS/ SEROTONIN, analysis/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, biosynthesis/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRYPTOPHAN, analysis/ TRYPTOPHAN, blood

471. **Brummer HC:** Serum PGF2 alpha levels during late pregnancy, labour and the puerperium.
Prostaglandins 2:185-94, Sep 72
CERVIX UTERI/ DILATATION/ FEMALE/ HUMAN/ LABOR/ LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PUERPERIUM/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

472. **Brummer HC:** Vasectomy and seminal prostaglandins.
Fertil Steril 24:131-3, Feb 73
HUMAN/ MALE/ *PROSTAGLANDINS, analysis/ *SEMEN, analysis/ TIME FACTORS/ *VASECTOMY

473. **Brunelle P, Bohuon C:** Baisse de la triiodothyronine serique avec l'age.
Clin Chim Acta 42:201-3, Nov 72 (Fre)
ADULT/ AGED/ *AGING/ HUMAN/ IODINE ISOTOPES/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

474. **Bruni CB, Rechler MM, Martin RG:** Salmonella typhimurium mutants lacking ribonuclease I: effect on the polarity of histidine mutants.
J Bacteriol 113:1207-12, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE MONOPHOSPHATE, biosynthesis/ ALCOHOL OXIDOREDUCTASES, metabolism/ CELL-FREE SYSTEM/ CHROMATOGRAPHY, THIN LAYER/ EDTA/ GENES, SUPPRESSOR/ HISTIDINE/ *HISTIDINE, biosynthesis/ MUTAGENS/ *MUTATION/ OPERON/ PHOSPHATASES, metabolism/ POLYNUCLEOTIDES, metabolism/ *RIBONUCLEASE, biosynthesis/ RIBONUCLEASE, metabolism/ RNA, TRANSFER, metabolism/ *SALMONELLA TYPHIMURIUM, enzymology/ SALMONELLA TYPHIMURIUM, growth & development/ SALMONELLA TYPHIMURIUM, isolation & purification

475. **Bryer D, Rounthwaite FJ:** Cricoarytenoid arthritis due to mumps. Laryngoscope 83:372-5, Mar 73
ADULT/ AMPICILLIN, therapeutic use/ ARTHRITIS, INFECTIOUS, drug therapy/ *ARTHRITIS, INFECTIOUS, etiology/ CASE REPORT/ HUMAN/ *LARYNGEAL CARTILAGES/ MALE/ *MUMPS, complications/ PREDNISOLONE, therapeutic use

476. **Bryson MF, Forbes GB, Amirhakimi GH, et al:** Metabolic response to growth hormone administration, with particular reference to the occurrence of hypercalciuria.
Pediatr Res 6:743-51, Oct 72
ADOLESCENCE/ ARGININE, diagnostic use/ BASAL METABOLISM/ BONE RESORPTION, drug effects/ CALCIUM, blood/ CALCIUM, metabolism/ *CALCIUM, urine/ CHILD/ CHILD, PRESCHOOL/ CREATININE, urine/ ELECTROLYTES, urine/ FECES, analysis/ FLUORIDES, urine/ *GROWTH DISORDERS, drug therapy/ HUMAN/ HYDROXYPROLINE,

urine/ HYPOPARATHYROIDISM, metabolism/ INSULIN, diagnostic use/ LEAD, urine/ MAGNESIUM, blood/ MIDDLE AGE/ PHOSPHORUS/ POTASSIUM, urine/ SOMATOTROPIN, blood/ *SOMATOTROPIN, therapeutic use/ STRONTIUM, urine

477. **Buchanan EC, Brooks MR, Greenwood RB:** A self-medication program for cardiology inpatients.
Am J Hosp Pharm 29:928-34, Nov 72
AGED/ ATTITUDE/ *CARDIOVASCULAR DISEASES, drug therapy/ EVALUATION STUDIES/ FEMALE/ *HOSPITAL MEDICATION SYSTEMS/ HOSPITAL PHARMACY SERVICE/ HOSPITALS, TEACHING/ HUMAN/ MEDICATION ERRORS/ MIDDLE AGE/ NORTH CAROLINA/ PATIENTS/ PILOT PROJECTS/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ *SECOBARBITAL, pharmacodynamics/ *SELF MEDICATION/ WARFARIN, administration & dosage/ WARFARIN, antagonists & inhibitors/ WARFARIN, therapeutic use

478. **Bucy PC, Stilp TJ:** Metastatic choriocarcinoma of the brain. Its recognition, treatment and cure; and other matters.
Schweiz Arch Neurol Neurochir Psychiatr 111:237-42, 1972
ADULT/ BRAIN NEOPLASMS, cerebrospinal fluid/ BRAIN NEOPLASMS, drug therapy/ BRAIN NEOPLASMS, surgery/ *BRAIN NEOPLASMS, therapy/ CHORIOCARCINOMA, cerebrospinal fluid/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, surgery/ *CHORIOCARCINOMA, therapy/ CHORIOCARCINOMA, urine/ DACTINOMYCIN, therapeutic use/ FEMALE/ GONADOTROPINS, CHORIONIC, cerebrospinal fluid/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ LUNG NEOPLASMS, therapy/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ UTERINE NEOPLASMS, therapy

479. **Budras KD:** Die Mm. compressor mammae und fixator fundi uteri der Stute, zugleich ein Beitrag zur Abkunft des M. Cremaster ext. des Hengstes.
Zentralbl Veterinaermed [C] 1:350-62, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *HORSES, anatomy & histology/ MALE/ MAMMAE/ *MUSCLES, anatomy & histology/ TESTIS/ UTERUS

480. **Budras KD, Preuss F:** Elektronenmikroskopische Untersuchungen zur embryonalen und postembryonalen Genese der Eierstockzwischenzellen des Haushuhns.
Z Zellforsch Mikrosk Anat 136:59-83, 1973 (Ger)
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHICK EMBRYO/ CHICKENS/ COLLAGEN/ CONNECTIVE TISSUE CELLS/ DESMOSOMES/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, cytology/ FEMALE/ GOLGI APPARATUS/ LIPIDS/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *OVARY, cytology/ OVARY, embryology/ OVARY, growth & development/ RIBOSOMES

481. **Budreau CH, Singh RP:** Transplacental passage of demeton in CF-1 mice.
Arch Environ Health 26:161-3, Mar 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BONE AND BONES, metabolism/ BRAIN, metabolism/ FEMALE/ FETUS, metabolism/ *INSECTICIDES, ORGANOTHIOPHOSPHATE, metabolism/ LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ MERCAPTOETHANOL, metabolism/ MICE/ MICE, INBRED STRAINS/ MUSCLES, metabolism/ OSTEOGENESIS/ PHOSPHORUS ISOTOPES/ *PLACENTA, metabolism/ PREGNANCY/ SALIVARY GLANDS, metabolism

482. **Buehring GC:** Culture of human mammary epithelial cells: keeping abreast with a new method.
J Natl Cancer Inst 49:1433-4, Nov 72
*BREAST, cytology/ BREAST, secretion/ BREAST NEOPLASMS/ *CELLS, CULTURED/ CYTOLOGICAL TECHNICS/ *EPITHELIAL CELLS/ FEMALE/ FIBROBLASTS/ HUMAN/ LACTATION/ *MILK, HUMAN/ PREGNANCY

483. **Bugnon C, Clavequin MC, Cornu M:** Etude comparative des modifications des cellules gonadotropes et des testicules chez des rats mâles oestrogénisés en période néonatale.
C R Soc Biol (Paris) 166:550-3, 1972 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, drug effects/ CRYPTORCHISM, chemically induced/ *ESTRADIOL, pharmacodynamics/ FSH, metabolism/ LH, metabolism/ MALE/ *PITUITARY GLAND, drug effects/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects

484. **Bukovsan W:** Studies on the specificity of the radio-bioassay for corticotrophin.
Gen Comp Endocrinol 19:392-6, Dec 72
*ADRENAL GLANDS, metabolism/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHICKENS/ *CORTICOTROPIN, analysis/ EPINEPHRINE, pharmacodynamics/ FSH, pharmacodynamics/ ISOLEUCINE/ LH, pharmacodynamics/ LYSINE/ *PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ PITUITARY-ADRENAL SYSTEM/ RADIOCHEMISTRY/ SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ THYROTROPIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

485. **Bull MJ:** Side effects of the pill.
Br Med J 1:295-6, 3 Feb 73
AMENORRHEA, chemically induced/ BODY WEIGHT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ LIBIDO, drug effects/ UTERINE HEMORRHAGE, chemically induced/ VAGINITIS, chemically induced

486. **Bumba J, Dvořák R:** Funkce nadledvinkové kory u dárců krve.
Vnitr Lek 19:32-4, Jan 73 (Cze)
*ADRENAL GLANDS, physiology/ *BLOOD DONORS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ PITUITARY-ADRENAL FUNCTION TESTS/ STRESS, PSYCHOLOGICAL, blood

487. **Buneaux JJ, Gounelle JC, Raoul Y:** Rôle messager de l'acide adénosine 3'5' monophosphorique (AMP cyclique) dans l'action de l'hormone somatotrope sur la captation du glucose 14C par le diaphragme du rat hypophysectomisé.
J Physiol (Paris) 65:Suppl:206A-207, Oct 72 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *DIAPHRAGM, metabolism/ *GLUCOSE, metabolism/ HYPOPHYSECTOMY/ IMIDAZOLES, pharmacodynamics/ METHYLATION/ PHOSPHODIESTERASES, pharmacodynamics/ RATS/ *SOMATOTROPIN, pharmacodynamics/ SOMATOTROPIN, physiology/ THEOPHYLLINE, pharmacodynamics

488. **Buniatova IM:** Osobennosti pronitsaemosti platsentalnogo bar'era i raspredeleniia organakh krys ristomitsina sul'fata u usloviiakh sensibilizatsii gomoplatsentalnym belkom.
Antibiotiki 17:634-8, Jul 72 (Rus)
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ MATERNAL-FETAL EXCHANGE, drug effects/ MICE/ PLACENTA, drug effects/ PLACENTA, metabolism/ PREGNANCY/

*RISTOMYCIN, metabolism/ RISTOMYCIN, pharmacodynamics

489. **Bünte H, Flick K, Wolf F:** Die postoperative Schilddrüsenfunktion.
Chirurg 44:61-3, Feb 73 (Ger)
ADULT/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS/ *SURGERY, OPERATIVE, adverse effects/ THYROGLOBULIN, analysis/ *THYROID GLAND, metabolism/ THYROXINE/ TIME FACTORS/ TRIIODOTHYRONINE

490. **Burchardt K, Wysocki H, Furmaniuk J, et al:** Użyteczność testu prednisonowego w ocenie wydolności szpiku.
Acta Haematol Pol 3:147-54, Apr-Jun 72 (Pol)
ADMINISTRATION, ORAL/ ADULT/ AGRANULOCYTOSIS, diagnosis/ ALKALINE PHOSPHATASE, blood/ ANEMIA, APLASTIC, diagnosis/ *BONE MARROW DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, diagnosis/ LEUKEMIA, MONOCYTIC, diagnosis/ LEUKEMIA, MYELOBLASTIC, diagnosis/ LEUKOCYTE COUNT/ LEUKOCYTES, enzymology/ LIVER CIRRHOSIS, diagnosis/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, diagnostic use/ TIME FACTORS

491. **Burden HW, Lawrence IE Jr:** Presence of biogenic amines in early rat development.
Am J Anat 136:251-7, Feb 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ *EMBRYO, metabolism/ FEMALE/ MICROSCOPY, FLUORESCENCE/ *OVUM, metabolism/ PREGNANCY/ *RATS, embryology/ *SEROTONIN, metabolism

492. **Burg G, Braun-Falco O:** Cytochemische Untersuchungen zur cellulären Stromareaktion beim Melanom. Arch Dermatol Forsch 244:261-4, 1972 (Ger)
ACETYLESTERASE, metabolism/ ACID PHOSPHATASE, metabolism/ EOSINOPHILS/ ESTERASES, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ LYMPHOCYTES/ MACROPHAGES/ MAST CELLS/ MELANOMA, enzymology/ *MELANOMA, pathology/ NEUTROPHILS/ PEROXIDASES, metabolism/ PLASMA CELLS/ SKIN NEOPLASMS, enzymology/ *SKIN NEOPLASMS, pathology/ STILBENES/ THIOCYANATES

493. **Burger MM:** Surface changes in transformed cells detected by lectins.
Fed Proc 32:91-101, Jan 73 (69 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AGGLUTINATION, drug effects/ AGGLUTINATION TESTS/ BINDING, COMPETITIVE/ BINDING SITES/ CELL MEMBRANE, drug effects/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CHICK EMBRYO/ CONCANAVALIN A, pharmacodynamics/ FIBROBLASTS/ GLYCOLIPIDS/ HAMSTERS/ KIDNEY/ MICE/ MITOSIS, drug effects/ MODELS, BIOLOGICAL/ PEPTIDE HYDROLASES, pharmacodynamics/ PINOCYTOSIS/ PLANT AGGLUTININS, analysis/ *PLANT AGGLUTININS, pharmacodynamics/ POLYOMA VIRUS/ RECEPTORS, DRUG/ REVIEW/ ROUS SARCOMA VIRUS

494. **Burgudzhieva T:** Sravniteini danni ot lechenieto na boini s Kraurosis vulvae (lichen scleroatrophicus vulvae) s ultrazvuk, khidrokortisonov ungvent i fonoforeza s khidrokortizonov ungvent.
Akush Ginekol (Sofiia) 11:246-51, 1972 (Bul)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL/ IONTOPHORESIS/ *KRAUROSIS VULVAE, therapy/ *ULTRASONIC THERAPY

495. **Burke CW, Anderson DC:** Sex-hormone-binding globulin is an oestrogen amplifier.
Nature 240:38-40, 3 Nov 72
ADULT/ BETA GLOBULIN, metabolism/ *BINDING, COMPETITIVE/ BINDING SITES/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ KINETICS/ MALE/ PREGNANCY/ *PROTEIN BINDING/ *SERUM GLOBULINS, metabolism/ SEX FACTORS/ TEMPERATURE/ *TESTOSTERONE, metabolism/ TRITIUM

496. **Burke CW, Beardwell CG:** Cushing's syndrome. An evaluation of the clinical usefulness of urinary free cortisol and other urinary steroid measurements in diagnosis. Q J Med 42:175-204, Jan 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiopathology/ ADULT/ BLOOD PROTEINS/ CHILD/ CREATININE, blood/ CREATININE, urine/ *CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, physiopatbology/ CUSHING'S SYNDROME, urine/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ KIDNEY, physiopatbology/ MALE/ METYRAPONE, pharmacodynamics/ MIDDLE AGE/ PITUITARY DISEASES, urine/ PROTEIN BINDING

497. **Burke EC, Holley KE, Stickler GB:** Familial nephrotic syndrome with nephrocalcinosis and tubular dysfunction. J Pediatr 82:202-6, Feb 73
ALKALINE PHOSPHATASE, blood/ *AMINOACIDURIA, RENAL, etiology/ CALCIUM, blood/ CALCIUM, urine/ CHILD/ CREATININE, blood/ FEMALE/ *GLYCOSURIA, RENAL, etiology/ HUMAN/ KIDNEY, patbology/ KIDNEY GLOMERULUS, pathology/ KIDNEY TUBULES, pathology/ MALE/ NEPHROCALCINOSIS, drug therapy/ *NEPHROCALCINOSIS, etiology/ NEPHROCALCINOSIS, pathology/ *NEPHROCALCINOSIS, radiography/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, familial & genetic/ PHOSPHORUS, blood/ *PROTEINURIA, etiology/ *RENAL OSTEODYSTROPHY, etiology/ UREA, blood/ VITAMIN D, therapeutic use

498. **Burke G:** Aspirin and indomethacin abolish thyrotropin-induced increase in thyroid cell prostaglandins. Prostaglandins 2:413-5, Nov 72
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ CATTLE/ IMMUNE SERUMS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROTROPIN, pharmacodynamics

499. **Buriet A, Marchetti J, Boulange M, et al:** Bilan de la vasopressine et modifications enzymologiques du système hypothalamo-neurohypophysaire du rat après surrénalectomie.
J Physiol (Paris) 65:Suppl:207A-208, Oct 72 (Fre)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, enzymology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *PHOSPHATASES, metabolism/ PITUITARY GLAND, POSTERIOR, enzymology/ RATS/ *THIAMINE PYROPHOSPHATE/ *VASOPRESSIN, metabolism

500. **Burns JK:** Administration of melatonin to non-human primates and to women with breast carcinoma
J Physiol (Lond) 229:38P-39P, Feb 73
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD SUGAR, analysis/ *BREAST NEOPLASMS, blood/ CALCIUM, blood/ CHOLESTEROL, blood/ ESTROGENS, urine/ FEMALE/ HUMAN/ *MELATONIN,

pharmacodynamics/ MONKEYS/ POTASSIUM, blood/ SODIUM, blood/ URIC ACID, blood

501. **Burns WA, Kadar AT:** Unusual metastases from a transitional-cell carcinoma of the renal pelvis and ureter. Med Ann DC 42:65-6, Feb 73
*ADENOMA, CHROMOPHOBE/ AGED/ *CARCINOMA, TRANSITIONAL CELL/ CASE REPORT/ HUMAN/ *KIDNEY NEOPLASMS/ *KIDNEY PELVIS/ MALE/ NEOPLASM METASTASIS/ *PITUITARY NEOPLASMS/ *URETERAL NEOPLASMS

502. **Burrow GN, Spaulding SW, Alexander NM, et al:** Normal peroxidase activity in Pendred's syndrome. J Clin Endocrinol Metab 36:522-30, Mar 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *DEAF-MUTISM, enzymology/ DEAF-MUTISM, familial & genetic/ DEAF-MUTISM, metabolism/ FEMALE/ GEL DIFFUSION TESTS/ *GOITER, enzymology/ GOITER, familial & genetic/ GOITER, metabolism/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODOTYROSINE, biosyntbesis/ MALE/ MIDDLE AGE/ PERCHLORIC ACIDS, metabolism/ *PEROXIDASES, metabolism/ THYROGLOBULIN, analysis/ THYROID GLAND, analysis/ THYROID GLAND, enzymology

503. **Burrows S, Gaines JL, Hughes FJ:** Giant chorioangioma. Am J Obstet Gynecol 115:579-80, 15 Feb 73
ANOXEMIA, etiology/ FEMALE/ *FETAL DEATH, etiology/ FETAL DISEASES, etiology/ *HEMANGIOMA, complications/ HEMANGIOMA, pathology/ HUMAN/ HYDRAMNIOS, etiology/ *PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, pathology/ PREGNANCY

504. **Burstein AH, Currey J, Frankel VH, et al:** Bone strength. The effect of screw holes. J Bone Joint Surg [Am] 54:1143-56, Sep 72
ANIMAL EXPERIMENTS/ BIOMECHANICS/ *BONE AND BONES, injuries/ BONE SCREWS/ DOGS/ ELASTICITY/ FEMUR, pathology/ FEMUR, radiography/ *FRACTURE FIXATION, INTERNAL/ *ORTHOPEDIC FIXATION DEVICES/ RABBITS/ SILICONE ELASTOMERS/ STRESS, MECHANICAL/ *WOUND HEALING

505. **Burstein S, Raz A:** Inhibition of prostaglandin E2 biosynthesis by delta 1-tetrahydrocannabinol. Prostaglandins 2:369-74, Nov 72
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MALE/ MICROSOMES, metabolism/ PROSTAGLANDINS, biosyntbesis/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ SHEEP/ SPECIAL LIST REPRODUCTION/ TETRAHYDROCANNABINOL, pharmacodynamics

506. **Burton RF:** The storage of calcium and magnesium phosphates and of calcite in the digestive glands of the pulmonata (gastropoda). Comp Biocbem Physiol [A] 43:655-63, 1 Nov 72
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *CARBONATES, metabolism/ DIGESTIVE SYSTEM, analysis/ *DIGESTIVE SYSTEM, metabolism/ EXOCRINE GLANDS, analysis/ *EXOCRINE GLANDS, metabolism/ HISTOCYTOCHEMISTRY/ LIVER, analysis/ *MAGNESIUM, metabolism/ PANCREAS, analysis/ *PHOSPHATES, metabolism/ REGENERATION/ *SNAILS/ STAINS AND STAINING

507. **Busch W:** Die Placenta bei der fetalen Mangelentwicklung. Makroskopie und Mikroskopie von 150 Placenten fetaler Mangelentwicklungen. Arch Gynaekol 212:333-57, 1972 (Ger)
BIRTH WEIGHT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FETAL DISEASES, etiology/ *FETAL DISEASES, pathology/ HUMAN/ INFANT, NEWBORN/ INFARCTION/ NUTRITION DISORDERS, etiology/ *NUTRITION DISORDERS, pathology/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ PLACENTA, blood supply/ *PLACENTA, pathology/ PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, pathology/ PREGNANCY/ UMBILICAL ARTERIES, abnormalities/ UMBILICAL CORD, abnormalities

508. **Bush BM:** The treatment of canine acanthosis nigricans. J Small Anim Pract 13:59-64, Feb 72
ACANTHOSIS NIGRICANS, drug therapy/ ACANTHOSIS NIGRICANS, pathology/ *ACANTHOSIS NIGRICANS, veterinary/ ANIMAL EXPERIMENTS/ BETAMETHASONE, therapeutic use/ *DOG DISEASES, drug therapy/ DOGS/ FEMALE/ MALE/ THYROTROPIN, therapeutic use

509. **Bushong SC, Prasad N, Briney SA, et al:** Radiocytogenetic studies with Californium-252. Int J Radiat Biol 23:105-12, Feb 73
AEROBIOSIS/ ANAEROBIOSIS/ *CALIFORNIUM/ CELLS, CULTURED/ *CHROMOSOME ABERRATIONS/ COMPARATIVE STUDY/ FEMALE/ HAMSTERS/ OVARY, cytology/ RADIATION DOSAGE/ *RADIATION GENETICS/ RADIUM

510. **Bustard TM, Martin YC:** Conformational and structural relationsbips among antipeptic ulcer compounds. J Med Cbem 15:1101-5, Nov 72
ACETAMIDES/ AMMONIUM COMPOUNDS/ DEPRESSION, CHEMICAL/ GASTRIC JUICE, secretion/ GLUTAMINE/ MOLECULAR CONFORMATION/ *PEPTIC ULCER, prevention & control/ PROSTAGLANDINS/ PYRIDINES/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIAZOLES

511. **Butcher FR, Perdue JF:** Cytochalasin B: effect on hormone-mediated responses in cultured cells. J Cell Biol 56:857-61, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL LINE/ CYTOCHALASIN B, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ *ENZYME INDUCTION, drug effects/ HEPATOMA/ HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ *INDOLES, pharmacodynamics/ INSULIN, metabolism/ INSULIN, pharmacodynamics/ TYROSINE AMINOTRANSFERASE, metabolism

512. **Butler DG:** Effect of bypophysectomy on renal function in tbe freshwater North American eel (Anguilla rostrata LeSueur). Gen Comp Endocrinol 20:125-36, Feb 73
ANIMAL EXPERIMENTS/ CHLORIDES, urine/ *DIURESIS/ *EELS, physiology/ FEMALE/ GLOMERULAR FILTRATION RATE/ HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ INULIN, urine/ *KIDNEY, physiology/ NATRIURESIS/ OSMOLAR CONCENTRATION/ *PITUITARY GLAND, physiology/ POTASSIUM, urine/ WATER, metabolism

513. **Butler DG:** Effect of hypophysectomy on renal function in the western painted turtle (Chrysemys picta bellI). Gen Comp Endocrinol 19:377-85, Dec 72
ANIMAL EXPERIMENTS/ CHLORINE, urine/ CREATININE, blood/ CREATININE, urine/ FEMALE/ GLOMERULAR FILTRATION RATE/ HYPOPHYSECTOMY/ *KIDNEY, physiology/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, physiology/ SODIUM, urine/ *TURTLES, physiology/ URINE, analysis/ WATER, metabolism

514. **Butler DG, Carmichael FJ:** (Na + -K +)-ATPase activity in eel (Anguilla rostrata) gills in relation to changes in environmental salinity: role of adrenocortical steroids. Gen Comp Endocrinol 19:421-7, Dec 72

ACCLIMATIZATION/ *ADENOSINE TRIPHOSPHATASE, metabolism/ *ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ *ANGUILLA, enzymology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ FEMALE/ *GILLS, enzymology/ HYPOPHYSECTOMY/ POTASSIUM/ SODIUM/ *SODIUM CHLORIDE, pharmacodynamics

515. **Buxton BH, Witschi H, Plaa GL:** Biochemical changes provoked in rat liver by cholestatic doses of -naphthylisothiocyanate.
Toxicol Appl Pharmacol 24:60-72, Jan 73
AMINOPYRINE N-DEMETHYLASE, analysis/ ANIMAL EXPERIMENTS/ BILE DUCTS, physiology/ CARBON ISOTOPES/ CARBON TETRACHLORIDE/ *CHOLESTASIS, chemically induced/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ HYDROXYLASES, analysis/ LEUCINE, metabolism/ MALE/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ OROTIC ACID, metabolism/ PARALYSIS, chemically induced/ PENTOBARBITAL, analysis/ PENTOBARBITAL, pharmacodynamics/ RATS/ SLEEP, drug effects/ THIOCYANATES/ *THIOCYANATES, pharmacodynamics/ ZOXAZOLAMINE/ ZOXAZOLAMINE, analysis

516. **Bygdeman M, Béguin F, Toppozada M, et al:** Further experience with intrauterine prostaglandin administration. J Reprod Med 9:392-6, Dec 72
*ABORTION, INDUCED/ AMNION, drug effects/ CATHETERIZATION/ FEMALE/ GESTATIONAL AGE/ HUMAN/ METHODS/ METHYLATION/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *UTERUS, drug effects

517. **Byrd WJ, Von Boehmer H, Rouse BT:** The role of the thymus in maturational development of phytohemagglutinin and pokeweed mitogen responsiveness. Cell Immunol 6:12-24, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS, immunology/ BURSA OF FABRICIUS, immunology/ CELLS, CULTURED/ CHICKENS/ DNA, biosynthesis/ HEMAGGLUTINATION TESTS/ LYMPH NODES, cytology/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, immunology/ T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED CBA/ *MITOGENS, pharmacodynamics/ *PLANT AGGLUTININS, pharmacodynamics/ SPLEEN, cytology/ TESTOSTERONE, pharmacodynamics/ THYMECTOMY/ THYMIDINE, metabolism/ THYMUS GLAND, cytology/ TRITIUM

C

518. **Cadwallader JA, Anderson IL:** Preliminary investigation of Althesin. Br J Anaesth 44:1333, Dec 72
*ANESTHETICS/ ANIMAL EXPERIMENTS/ CESAREAN SECTION/ ELECTROCARDIOGRAPHY/ FEMALE/ FETAL HEART, drug effects/ FETUS, drug effects/ HEART RATE, drug effects/ KETONES/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PREGNANES/ REFLEX, drug effects/ SHEEP

519. **Caffey J:** Familial hyperphosphatasemia with ateliosis and hypermetabolism of growing membranous bone; review of the clinical, radiographic and chemical features. Bull Hosp Joint Dis 33:81-110, Oct 72
*ACID PHOSPHATASE, blood/ ADOLESCENCE/ *ALKALINE PHOSPHATASE, blood/ ARM, radiography/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ BONE DISEASES, DEVELOPMENTAL, diagnosis/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, pathology/ BONE DISEASES, DEVELOPMENTAL, radiography/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN, metabolism/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HAVERSIAN SYSTEM, growth & development/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEG, radiography/ MALE/ METABOLISM, INBORN ERRORS, diagnosis/ *METABOLISM, INBORN ERRORS, familial & genetic/ METABOLISM, INBORN ERRORS, pathology/ METABOLISM, INBORN ERRORS, radiography/ OSTEITIS DEFORMANS, diagnosis/ PELVIC BONES, radiography/ SKULL, radiography/ SYNDROME

520. **Caffier G, Küchler G:** Zum Temperatureinfluss auf Membranpotential und Ionengehalt (Nach Untersuchungen an isolierten Froschkelettmuskeln. Acta Biol Med Ger 29:109-18, 1972 (Ger)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ FROGS/ HINDLIMB/ IN VITRO/ *MEMBRANE POTENTIALS/ MUSCLES, metabolism/ *MUSCLES, physiology/ *POTASSIUM, metabolism/ RANA/ *SODIUM, metabolism/ TEMPERATURE/ TIME FACTORS

521. **Calcott PH, Montague W, Postgate JR:** The levels of cyclic AMP during substrate-accelerated death. J Gen Microbiol 73:197-200, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ CELL SURVIVAL/ *KLEBSIELLA, analysis/ KLEBSIELLA, metabolism/ LACTOSE, metabolism/ MAGNESIUM, metabolism/ SPECTROPHOTOMETRY/ THEOPHYLLINE, pharmacodynamics

522. **Calder EA, McLeman D, Barnes EW, et al:** The effect of thyroid antigens on the in vitro migration of leucocytes from patients with Hashimoto thyroiditis. Clin Exp Immunol 12:429-38, Dec 72
*ANTIGENS/ *CELL MIGRATION INHIBITION/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ KIDNEY, immunology/ *LEUKOCYTES, immunology/ MALE/ MICROSOMES, immunology/ MITOCHONDRIA, immunology/ MITOCHONDRIA, LIVER, immunology/ ORGAN SPECIFICITY/ THYROGLOBULIN/ *THYROID GLAND, immunology/ *THYROIDITIS, LYMPHOMATOUS, immunology/ TISSUE EXTRACTS

523. **Caldwell BV, Speroff L, Brock WA, et al:** Development and application of a radioimmunoassay for F prostaglandins. J Reprod Med 9:361-71, Dec 72
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ CORPUS LUTEUM, physiology/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IMMUNE SERUMS/ INDOMETHACIN, pharmacodynamics/ MACACA/ METHODS/ MONKEYS/ OVARY, blood supply/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, physiology/ RABBITS/ *RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW/ SERUM ALBUMIN, BOVINE/ SHEEP

524. **Caley RM, Jensen RG:** Effects of parathion on lipolysis in isolated rat adipose tissue cells. Lipids 8:43-4, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ DRUG SYNERGISM/ EPIDIDYMIS/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, metabolism/ LIPASE, antagonists & inhibitors/ *LIPIDS, metabolism/ MALE/ NICOTINIC ACID, pharmacodynamics/ *PARATHION, pharmacodynamics/ RATS

525. **Callard R:** Isoenzymes de la lactate deshydrogenase au niveau des organes de l'appareil génital du rat mâle greffé avec une tumeur de la glande interstitielle du testicule.

Experientia 28:1474-5, 15 Dec 72 (Fre)
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ *GENITALIA, MALE, enzymology/ *LACTATE DEHYDROGENASE ISOENZYMES, analysis/ *LEYDIG CELL TUMOR, enzymology/ MALE/ NEOPLASM TRANSPLANTATION/ PROSTATE, enzymology/ RATS/ SEMINAL VESICLES, enzymology/ *TESTICULAR NEOPLASMS, enzymology/ TESTIS, enzymology/ TIME FACTORS

526. **Caine DB, Reid JL:** Antiparkinsonian drugs: pharmacological and therapeutic aspects.
Drugs 4:49-74, 1972 (82 ref.)
ACETYLCHOLINE, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ AMANTADINE, therapeutic use/ AMPHETAMINE, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ *ANTIPARKINSON DRUGS/ ANTIPARKINSON DRUGS, pharmacodynamics/ ANTIPARKINSON DRUGS, therapeutic use/ APOMORPHINE, therapeutic use/ CARBOXY-LYASES, antagonists & inhibitors/ DOPA, adverse effects/ DOPA, metabolism/ DOPA, pharmacodynamics/ DOPA, therapeutic use/ DOPAMINE, physiology/ EXTRAPYRAMIDAL DISORDERS, drug therapy/ HUMAN/ MENTAL DISORDERS, chemically induced/ METHYLDOPA, therapeutic use/ MOVEMENT DISORDERS, chemically induced/ NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, physiology/ PARASYMPATHOLYTICS, therapeutic use/ REVIEW/ SEROTONIN, physiology

527. **Calvert DT, Clough DP, Findlay JD, et al:** Hypothalamic cooling, heat production and plasma lipids in the ox.
Life Sci [I] 11:223-9, 1 Mar 72
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ CARBON DIOXIDE, metabolism/ *CATTLE, physiology/ CHOLESTEROL, blood/ FATTY ACIDS, NONESTERIFIED, blood/ *HYPOTHALAMUS, physiology/ *HYPOTHERMIA, INDUCED/ *LIPIDS, blood/ OXYGEN CONSUMPTION/ PHOSPHOLIPIDS, blood/ RESPIRATION/ STEREOTAXIC TECHNICS/ THERMORECEPTORS/ TRIGLYCERIDES, blood

528. **Calvert GD:** Trimethylaminuria and inherited Noonan's syndrome. Lancet 1:320-1, 10 Feb 73
ABNORMALITIES, MULTIPLE/ ADULT/ *AMINES, urine/ BLOOD COAGULATION DISORDERS, familial & genetic/ *CRYPTORCHISM, familial & genetic/ *DWARFISM, familial & genetic/ HUMAN/ MALE/ METHYLATION/ PEDIGREE/ *TURNER'S SYNDROME, familial & genetic

529. **Cambria A, Tamburino G, Paolella GB:** La determinazione dell'attività calcitoninica plasmatica nell'uomo.
Arch Sci Med (Torino) 129:142-4, Jul-Sep 72 (Ita)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ RATS/ THYROCALCITONIN, analysis/ *THYROCALCITONIN, blood

530. **Cameron EH, Jones DA:** Some observations on the measurement of estradiol-17 in human plasma by radioimmunoassay. Steroids 20:737-59, Dec 72
ADULT/ ANTIBODY SPECIFICITY/ CARBONATES/ CATTLE, immunology/ CROSS REACTIONS/ DEXTRAN/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ GELATIN/ HUMAN/ MATHEMATICS/ MENSTRUATION/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ TIME FACTORS/ TRITIUM

531. **Camiener GW, Wechter WJ:** Immunosuppression--agents, procedures, speculations and prognosis.
Prog Drug Res 16:67-156, 1972 (999 ref.)
ALKALOIDS, pharmacodynamics/ ALKYLATING AGENTS, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, pharmacodynamics/ ANTIGEN-ANTIBODY REACTIONS/ ANTILYMPHOCYTE SERUM/ BINDING SITES, ANTIBODY/ DOGS/ FOLIC ACID ANTAGONISTS, pharmacodynamics/ HAMSTERS/ IMMUNE TOLERANCE/ IMMUNOLOGIC TECHNICS/ *IMMUNOSUPPRESSION/ *IMMUNOSUPPRESSIVE AGENTS/ LYMPHOCYTE TRANSFORMATION/ B-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, immunology/ MICE/ MITOGENS/ PURINE NUCLEOTIDES, pharmacodynamics/ RABBITS/ RADIATION EFFECTS/ RATS/ REVIEW/ STEROIDS, pharmacodynamics/ THYMECTOMY/ TRANQUILIZING AGENTS, pharmacodynamics

532. **Camier M, Alazard R, Cohen P:** Hormonal interactions at the molecular level. A study of oxytocin and vasopressin binding to bovine neurophysins.
Eur J Biochem 32:207-14, 15 Jan 73
CALCIUM/ CATTLE/ CHROMATOGRAPHY, AFFINITY/ DIALYSIS/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ MAGNESIUM/ *NEUROPHYSINS/ NEUROPHYSINS, isolation & purification/ *OXYTOCIN/ PROTEIN BINDING/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *VASOPRESSIN

533. **Campbell AK, Siddle K:** The effect of glucagon on adenosine 3':5'-cyclic monophosphate concentrations in an organ culture of adult rat liver.
Biochem J 130:15P-16P, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *GLUCAGON, pharmacodynamics/ IN VITRO/ *LIVER, drug effects/ LIVER, metabolism/ ORGAN CULTURE/ RATS/ THEOPHYLLINE, pharmacodynamics

534. **Campbell BJ, Woodward G, Borberg V:** Calcium-mediated interactions between the antidiuretic hormone and renal plasma membranes.
J Biol Chem 247:6167-75, 10 Oct 72
ACETIC ACIDS, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ CORTICOTROPIN, pharmacodynamics/ ENZYME ACTIVATION/ FLUORIDES/ GLYCOLS, pharmacodynamics/ HYDROGENATION/ IODINE/ ISOTOPE LABELING/ KIDNEY, cytology/ *KIDNEY, drug effects/ KIDNEY, enzymology/ KIDNEY, metabolism/ KINETICS/ MICROSCOPY, ELECTRON/ PHOSPHORUS ISOTOPES/ RECEPTORS, DRUG/ SWINE/ THYROCALCITONIN, pharmacodynamics/ TRITIUM/ VASOPRESSIN, metabolism/ *VASOPRESSIN, pharmacodynamics

535. **Campbell WL, Santiago HE, Perzin KH, et al:** The autonamous thyroid nodule: correlation of scan appearance and histopathology.
Radiology 107:133-8, Apr 73
*GOITER, NODULAR, diagnosis/ GOITER, NODULAR, pathology/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *RADIOISOTOPE SCANNING/ THYROID GLAND, pathology

536. **Camus JP, Paul D:** Rhumatisme gardénalique.
Rev Prat 22:1963-7, 21 Apr 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ BARBITURATES, adverse effects/ BARBITURATES, therapeutic use/ CORTISONE, therapeutic use/ EPILEPSY, drug therapy/ HIP JOINT/ HYDROTHERAPY/

IATROGENIC DISEASE/ REFLEX SYMPATHETIC DYSTROPHY, chemically induced/ SEX FACTORS/ SHOULDER-HAND SYNDROME, chemically induced/ SHOULDER-HAND SYNDROME, therapy/ SPECIAL LIST FOREIGN

537. **Canellos GP, Young RC, Berard CW, et al:** Combination chemotherapy and survival in advanced Hodgkin's disease. Arch Intern Med 131:388-90, Mar 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ CLINICAL RESEARCH/ EVALUATION STUDIES/ FOLLOW-UP STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ REMISSION/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

538. **Cangiano JL, Ramírez-González RE, Ramírez-Muxó O:** Bone disease and soft tissue calcification in chronic peritoneal dialysis. Am J Med Sci 264:301-6, Oct 72
ADULT/ AORTIC DISEASES, radiography/ *BONE DISEASES, etiology/ BONE DISEASES, occurrence/ BONE DISEASES, radiography/ BONE RESORPTION/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ CALCIUM, blood/ EVALUATION STUDIES/ HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ MALE/ PANCREATIC DISEASES, radiography/ PARATHYROID GLANDS, surgery/ *PERITONEAL DIALYSIS, adverse effects/ PHOSPHORUS, blood

539. **Canguilhem B:** Rôle de la thyroxine sur l'entrée en hibernation et la résistance au froid du hamster d'europe (cricetus cricetus) thyroïdectomisé au printemps. C R Soc Biol (Paris) 166:688-92, 1972 (Fre)
*ADAPTATION, PHYSIOLOGICAL/ *COLD/ HAMSTERS, drug effects/ *HAMSTERS, physiology/ *HIBERNATION/ HIBERNATION, drug effects/ INJECTIONS, SUBCUTANEOUS/ SLEEP/ THYROID GLAND, physiology/ *THYROIDECTOMY/ *THYROXINE, pharmacodynamics

540. **Canguilhem B, Petrovic A:** Cycle pondéral du hamster sauvage en captivité: étude chez l'animal normal, l'animal castré et l'animal thyroïdectomisé. Effet des injections de thyroxine et de l'homogreffe thyroïdienne.
J Physiol (Paris) 65:Suppl:209A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ BODY WEIGHT, drug effects/ *CASTRATION/ HAMSTERS/ HIBERNATION/ INJECTIONS, SUBCUTANEOUS/ IODINE, pharmacodynamics/ SEASONS/ TEMPERATURE/ *THYROID GLAND, transplantation/ *THYROIDECTOMY/ *THYROXINE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

541. **Cannella M, Curioni GB, Manzoni A:** Applicazione di un nuovo metodo di valutazione fotometrica allo studio di farmaci attivi sul sistema osseo.
Boll Chim Farm 111:489-98, Aug 72 (Ita)
*BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE AND BONES, radiography/ *CALCIUM, urine/ *DENSITOMETRY, X-RAY/ FEMALE/ FINGERS, radiography/ HUMAN/ OSTEOPOROSIS, urine/ *PHOSPHORUS, urine/ PHOTOMETRY

542. **Canterbury JM, Levey GS, Reiss E:** Activation of renal cortical adenylate cyclase by circulating immunoreactive parathyroid hormone fragments.
J Clin Invest 52:524-7, Feb 73
*ADENYL CYCLASE, biosynthesis/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ *KIDNEY, enzymology/ KIDNEY CORTEX, enzymology/ MOLECULAR WEIGHT/ *PARATHYROID HORMONE, pharmacodynamics/ PARATHYROID HORMONE, physiology/ PEPTIDES, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ RATS

543. **Cantfort J van:** Régulation de la cholestérol-7 -hydroxylase par les stérols intrahépatiques chez le rat.
C R Acad Sci [D] (Paris) 275:1015-7, 28 Aug 72 (Fre)
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BILE ACIDS AND SALTS, analysis/ BILE ACIDS AND SALTS, metabolism/ CHOLESTEROL/ *CHOLESTEROL, metabolism/ CHOLESTEROL, physiology/ CIRCADIAN RHYTHM/ ESTROGENS, pharmacodynamics/ HOMEOSTASIS/ KINETICS/ *LIVER, enzymology/ LIVER, metabolism/ RATS/ *STEROID HYDROXYLASES, biosynthesis/ STIMULATION, CHEMICAL

544. **Cantor B, Jewelewicz R, Warren M, et al:** Hormonal changes during induction of midtrimester abortion by prostaglandin F 2 .
Am J Obstet Gynecol 113:607-15, 1 Jul 72
*ABORTION, INDUCED/ COUGH/ DIARRHEA, etiology/ *ESTROGENS, blood/ FEMALE/ FEVER, etiology/ *FSH, blood/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MATERNAL-FETAL EXCHANGE/ NAUSEA, etiology/ PAIN/ PREGNANCY/ *PROGESTERONE, blood/ PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *RENIN, blood/ UTERUS, drug effects/ VOMITING, etiology

545. **Cao A, Coppa G, Trabalza N, et al:** Characterization of serum alkaline phosphatase in infancy and childhood.
Z Kinderheilkd 113:289-96, 1972
ADULT/ *ALKALINE PHOSPHATASE, blood/ ARGININE/ BLOOD/ BLOOD GROUPS/ BONE AND BONES, enzymology/ CHILD/ CHILD, PRESCHOOL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEAT/ HUMAN/ INFANT/ INTESTINES, enzymology/ ISOENZYMES/ LIVER, enzymology/ NEURAMINIDASE/ PHENYLALANINE/ PLACENTA, enzymology/ TIME FACTORS/ UMBILICAL CORD

546. **Capell PT, Paulsen CA:** The effect of exogenous testosterone upon serum FSH and LH concentrations in normal males. Contraception 6:135-43, Aug 72
ADULT/ DEPRESSION, CHEMICAL/ FSH, blood/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LH, blood/ MALE/ MIDDLE AGE/ PROPIONATES/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ SPECIAL LIST REPRODUCTION/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics

547. **Capella C, Solcia E:** The endocrine cells of the pig gastrointestinal mucosa and pancreas.
Arch Histol Jap 35:1-29, Nov 72
ANIMAL EXPERIMENTS/ CHROMAFFIN SYSTEM, cytology/ GASTRIC MUCOSA, analysis/ *GASTRIC MUCOSA, cytology/ GASTRIN, analysis/ GLUCAGON, analysis/ HISTOCYTOCHEMISTRY/ INSULIN, analysis/ INTESTINAL MUCOSA, analysis/ *INTESTINAL MUCOSA, cytology/ MICROSCOPY, ELECTRON/ PANCREAS, analysis/ *PANCREAS, cytology/ SEROTONIN, analysis/ SWINE

548. **Capella JA, Kaufman HE, Polack FM:** Prognosis of keratoplasty in phakic and aphakic patients and the use of cryopreserved donor tissue.
Isr J Med Sci 8:1298-305, Aug-Sep 72
AGE FACTORS/ *CATARACT EXTRACTION/ COMPARATIVE STUDY/ CORNEA, blood supply/ *CORNEA, transplantation/ CORNEAL DYSTROPHIES, surgery/ CORNEAL ULCER, surgery/ FOLLOW-UP STUDIES/ *FREEZING/ GLAUCOMA, complications/

GLUCOCORTICOIDS, therapeutic use/ GRAFT REJECTION/ HUMAN/ INTRAOCULAR PRESSURE/ KERATITIS, surgery/ KERATOCONUS, surgery/ MIDDLE AGE/ POSTOPERATIVE CARE/ PROGNOSIS/ REFRIGERATION/ TISSUE DONORS/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS

549. **Carafoli E, Crovetti F:** Interactions between prostaglandin E 1 and calcium at the level of the mitochondrial membrane.
Arch Biochem Biophys 154:40-6, Jan 73
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DRUG INTERACTIONS/ ENERGY TRANSFER/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MANGANESE, pharmacodynamics/ MEMBRANES, drug effects/ *MEMBRANES, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ PERMEABILITY/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STRONTIUM, pharmacodynamics/ TIME FACTORS/ TRITIUM

550. **Carbone PP:** Management of patients with non-Hodgkin's lymphoma.
Arch Intern Med 131:455-9, Mar 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ BURKITT'S LYMPHOMA, diagnosis/ BURKITT'S LYMPHOMA, drug therapy/ BURKITT'S LYMPHOMA, mortality/ BURKITT'S LYMPHOMA, radiotherapy/ CYCLOPHOSPHAMIDE, therapeutic use/ HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LYMPHOGRAPHY/ *LYMPHOMA, therapy/ LYMPHOSARCOMA, diagnosis/ LYMPHOSARCOMA, drug therapy/ LYMPHOSARCOMA, mortality/ LYMPHOSARCOMA, radiotherapy/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ RADIOTHERAPY DOSAGE/ SARCOMA, RETICULUM CELL, diagnosis/ SARCOMA, RETICULUM CELL, drug therapy/ SARCOMA, RETICULUM CELL, mortality/ SARCOMA, RETICULUM CELL, radiotherapy/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

551. **Carey RM, Orth DN, Hartmann WH:** Malignant melanoma with ectopic production of adrenocorticotropic hormone. Palliative treatment with inhibitors of adrenal steroid biosynthesis.
J Clin Endocrinol Metab 36:482-7, Mar 73
ADRENAL GLAND HYPERFUNCTION, drug therapy/ *ADRENAL GLAND HYPERFUNCTION, etiology/ AMINOGLUTETHIMIDE, therapeutic use/ *CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, complications/ DDD, therapeutic use/ FEMALE/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *MELANOMA, complications/ MELANOMA, pathology/ METYRAPONE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT

552. **Carlo WR, Schneeweiss B:** Akute thrombozytopenische Purpura nach Virusimpfungen.
Kinderaerztl Prax 40:448-53, Oct 72 (Ger)
ACUTE DISEASE/ BLOOD TRANSFUSION/ CHILD/ FEMALE/ HUMAN/ *INFLUENZA VACCINE, adverse effects/ MALE/ *MEASLES VACCINE, adverse effects/ PREDNISONE, therapeutic use/ *PURPURA, THROMBOPENIC, chemically induced/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOPENIC, therapy

553. **Carlsson EI, Karlsson BW, Waldemarson KH:** Dehydrogenases and nucleic acids in rat mammary gland during involution initiated at various stages of lactation.
Comp Biochem Physiol [B] 44:93-108, 15 Jan 73
ANIMAL EXPERIMENTS/ *DNA, metabolism/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HALF-LIFE/ ISOENZYMES, metabolism/ LACTATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE ISOENZYMES/ LACTATION/ LACTOSE, metabolism/ LIPIDS, metabolism/ MALATE DEHYDROGENASE, metabolism/ MAMMAE, anatomy & histology/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MAMMAE, physiology/ MILK/ ORGAN WEIGHT/ *OXIDOREDUCTASES, metabolism/ PREGNANCY/ PROTEINS, metabolism/ RATS/ *RNA, metabolism/ TIME FACTORS/ WEANING

554. **Carnegie PR, Symthies JR, Caspary EA, et al:** Interaction of hallucinogenic drugs with encephalitogenic protein of myelin.
Nature (Lond) 240:561-3, 29 Dec 72
*ANTIGENIC DETERMINANTS/ BINDING, COMPETITIVE/ *CROSS REACTIONS/ ENCEPHALITOGENIC BASIC PROTEINS/ *HALLUCINOGENS/ HUMAN/ INDOLES/ LYMPHOCYTES, immunology/ LYSERGIC ACID DIETHYLAMIDE/ MULTIPLE SCLEROSIS, immunology/ *NERVE TISSUE PROTEINS/ NERVOUS SYSTEM DISEASES, immunology/ RECEPTORS, DRUG/ SEROTONIN/ TRYPTAMINES

555. **Carney JA, Kelalis PP, Lynn HB:** Bilateral teratoma of testis in an infant. J Pediatr Surg 8:49-54, Feb 73
HUMAN/ INFANT/ MALE/ *TERATOID TUMOR/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TESTIS, surgery

556. **Carre M, Miravet L, Hioco D:** Absorption de la vitamine D 3 étudée à l'aide d'une solution micellaire de vitamine D 3 3 H dans l'anse intestinale isolée de rat in situ. C R Soc Biol (Paris) 166:843-8, 1972 (Fre)
ANIMAL EXPERIMENTS/ *BILE ACIDS AND SALTS, pharmacodynamics/ *CHOLECALCIFEROL, metabolism/ CHOLESTEROL, pharmacodynamics/ GLYCOCHOLIC ACID, pharmacodynamics/ *ILEUM, metabolism/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ *JEJUNUM, metabolism/ MALE/ PERFUSION/ RATS/ TAURINE, pharmacodynamics/ TAUROCHOLIC ACID, pharmacodynamics/ TRITIUM

557. **Carre M, Miravet L, Hioco D:** Solubilisation de la vitamine D 3 dans une solution micellaire.
C R Soc Biol (Paris) 166:807-11, 1972 (Fre)
BILE ACIDS AND SALTS, pharmacodynamics/ CARBON ISOTOPES/ *CHOLECALCIFEROL/ CHOLESTEROL, pharmacodynamics/ *COLLOIDS/ GLYCOCHOLIC ACID, pharmacodynamics/ LINOLEIC ACID/ MICROPORE FILTERS/ *SOLUBILITY/ SOLUTIONS/ TAURINE, pharmacodynamics/ TAUROCHOLIC ACID, pharmacodynamics/ TRITIUM

558. **Carrea G, Caseliato MM, Manera E, et al:** Purification of a human urinary glycoprotein with gastric antisecretory activity.
Biochim Biophys Acta 295:274-82, 25 Jan 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBOHYDRATES, analysis/ ELECTROPHORESIS, DISK/ FEMALE/ GEL FILTRATION/ GLYCOPROTEINS, analysis/ GLYCOPROTEINS, isolation & purification/ GLYCOPROTEINS, pharmacodynamics/ GLYCOPROTEINS, therapeutic use/ *GLYCOPROTEINS, urine/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ MACROMOLECULAR SYSTEMS/ MALE/

MOLECULAR WEIGHT/ NEURAMINIDASE/ PREGNANCY/ RATS/ *STOMACH, drug effects/ STOMACH, secretion/ STOMACH ULCER, prevention & control/ TRYPSIN/ ULTRACENTRIFUGATION

559. **Carrer H, Asch G, Aron C:** Modifications de la durée du cycle oestral et de la réceptivité sexuelle après lésion du noyau ventro-médian chez la ratte.
C R Soc Biol (Paris) 166:924-8, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ HYPOTHALAMUS, injuries/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, surgery/ RATS/ *SEX BEHAVIOR, ANIMAL/ STEREOTAXIC TECHNICS/ VAGINAL SMEARS

560. **Carrick FN, Cox RI:** Testosteone concentrations in the spermatic vein plasma of marsupials.
J Reprod Fertil 32:338-9, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ MALE/ *MARSUPIALIA, physiology/ PROTEIN BINDING/ SEASONS/ *TESTIS/ *TESTOSTERONE, blood/ TRITIUM

561. **Carrier O Jr, Jurevics HA:** The role of calcium in "nonspecific" supersensitivity of vascular muscle.
J Pharmacol Exp Ther 184:81-94, Jan 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *AORTA, THORACIC, drug effects/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CHLORIDES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ ISOPROTERENOL, pharmacodynamics/ MATHEMATICS/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RABBITS/ RESERPINE, administration & dosage/ *RESERPINE, pharmacodynamics

562. **Carroll FI, Philip A, Blackwell JT, et al:** Antitumor and antileukemic effects of some steroids and other biologically interesting compounds containing an alkylating agent. J Med Chem 15:1158-61, Nov 72
ADENOCARCINOMA, drug therapy/ *ALKYLATING AGENTS, chem synthesis/ ALKYLATING AGENTS, therapeutic use/ AMIDES, therapeutic use/ ANDROSTERONE, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, chem synthesis/ ANTINEOPLASTIC AGENTS, therapeutic use/ CHOLESTANES, therapeutic use/ CHOLESTEROL, therapeutic use/ DIETHYLSTILBESTROL, therapeutic use/ ESTRONE, therapeutic use/ FEMALE/ LEUKEMIA, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ *NITROGEN MUSTARD COMPOUNDS, chem synthesis/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PHENYLACETATES, chem synthesis/ PHENYLACETATES, therapeutic use/ PREGNENOLONE, therapeutic use/ RATS/ RATS, INBRED F344/ *STEROIDS, chem synthesis/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE, therapeutic use

563. **Carson FL, Martin JH, Lynn JA:** Formalin fixation for electron microscopy: a re-evaluation.
Am J Clin Pathol 59:365-73, Mar 73
ADENOMA, pathology/ BUFFERS/ CORPUS LUTEUM, pathology/ EVALUATION STUDIES/ FEMALE/ *FORMALDEHYDE/ HISTOLOGICAL TECHNICS/ HUMAN/ KIDNEY, cytology/ METHODS/ MICROSCOPY, ELECTRON/ MONOCYTES/ PARATHYROID NEOPLASMS, pathology/ PHOSPHATES/ RATS/ SOLUTIONS/ *STAINS AND STAINING

564. **Carson IW, Moore J, Balmer JP, et al:** Laryngeal competence with ketamine and other drugs.
Anesthesiology 38:128-33, Feb 73
ADOLESCENCE/ ADULT/ *ANESTHESIA, INTRAVENOUS/ ANESTHESIA, OBSTETRICAL/ ASPIRATION/ ATROPINE, pharmacodynamics/ BRONCHI/ CHLORMETHIAZOLE, pharmacodynamics/ CONTRAST MEDIA/ DIAZEPAM, pharmacodynamics/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ HYDROXYSTEROIDS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ KETAMINE, administration & dosage/ *KETAMINE, pharmacodynamics/ KETOSTEROIDS/ LARYNX, drug effects/ *LARYNX, physiology/ MEPERIDINE, pharmacodynamics/ METHOHEXITAL, pharmacodynamics/ MIDDLE AGE/ PHARYNX, physiology/ PREANESTHETIC MEDICATION/ PREGNANCY/ PREGNANES/ SCOPOLAMINE, pharmacodynamics/ THIOPENTAL, pharmacodynamics

565. **Carsten ME:** Prostaglandin's part in regulating uterine contraction by transport of calcium.
J Reprod Med 9:277-82, Dec 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ BINDING, COMPETITIVE/ *CALCIUM, metabolism/ CARBAMATES, pharmacodynamics/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ DIURETICS, MERCURIAL, pharmacodynamics/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ *MUSCLE CONTRACTION/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROSTAGLANDINS, physiology/ SARCOPLASMIC RETICULUM, metabolism/ UTERUS, drug effects/ UTERUS, enzymology/ *UTERUS, physiology

566. **Carter SK, Livingston RB:** Single-agent therapy for Hodgkin's disease.
Arch Intern Med 131:377-87, Mar 73 (129 ref.)
ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARMUSTINE, therapeutic use/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DACTINOMYCIN, therapeutic use/ EVALUATION STUDIES/ FLUOROURACIL, therapeutic use/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MECHLORETHAMINE, therapeutic use/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REVIEW/ THIO-TEPA, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

567. **Casey AE, Niedermeier W, Graviee JF, et al:** Serum molybdenum, thyroxine, copper, and alpha 2 globulin intercorrelated in Irish dairymen.
Ala J Med Sci 9:418-23, Oct 72
*ALPHA GLOBULIN, analysis/ BLOOD GROUPS/ *COPPER, blood/ DAiRYING/ DIETARY FATS/ FOOD HABITS/ HUMAN/ IRELAND/ LONGEVITY/ MALE/ *MOLYBDENUM, blood/ *THYROXINE, blood

568. **Casillas ER:** The distribution of carnitine in male reproductive tissues and its effect on palmitate oxidation by spermatozoal particles.
Biochim Biophys Acta 280:545-51, 8 Dec 72
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARNITINE, administration & dosage/ *CARNITINE, analysis/ CARNITINE, pharmacodynamics/ CATTLE/ COENZYME A, metabolism/ EPIDIDYMIS, analysis/ *GENITALIA, MALE, analysis/ IN VITRO/ MALE/ MONKEYS/ OXIDATION-REDUCTION/ *PALMITIC ACID, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS/ SHEEP/ SPECIES SPECIFICITY/ *SPERMATOZOA, metabolism/ SWINE/ TESTIS, analysis

569. **Caspary EA, Feinmann EL, Field EJ:** Lymphocyte sensitization in asthma with special reference to

nature and identity of intrinsic form.
Br Med J 1:15-6, 6 Jan 73
ADULT/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS/ ASPERGILLUS FUMIGATUS, immunology/ ASTHMA, drug therapy/ ASTHMA, etiology/ *ASTHMA, immunology/ ASTHMA, physiopathology/ CELL MIGRATION INHIBITION/ DUST/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ *LYMPHOCYTES, immunology/ MACROPHAGES, immunology/ MALE/ MIDDLE AGE/ POLLEN/ STEROIDS, therapeutic use

570. **Cathelineau L, Navarro J, Polonovski C, et al:** X-linked transmission of structural gene mutations responsible for ornithine-transcarbamylase deficiencies.
Lancet 1:261-2, 3 Feb 73
CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GENES, STRUCTURAL/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ METABOLISM, INBORN ERRORS, enzymology/ *METABOLISM, INBORN ERRORS, familial & genetic/ *MUTATION/ *ORNITHINE CARBAMOYL- TRANSFERASE, metabolism/ *SEX CHROMOSOMES

571. **Catt KJ, Tsuruhara T, Dufau ML:** Gonadotrophin binding sites of the rat testis.
Biochim Biophys Acta 279:194-201, 18 Aug 72
ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ *BINDING SITES/ CALCIUM, analysis/ CELL MEMBRANE/ *GONADOTROPINS, CHORIONIC, metabolism/ IN VITRO/ IODINE ISOTOPES/ LH/ MALE/ RATS/ TEMPERATURE/ TESTIS, analysis/ TESTIS, enzymology/ *TESTIS, metabolism/ TISSUE PRESERVATION

572. **Caujolle F, Boulssou H, Gros S, et al:** Influence du gallium sur la souris gestante. I. Aspects morphologiques.
C R Soc Biol (Paris) 166:952-8, 1972 **(Fre)**
*ABNORMALITIES, DRUG-INDUCED/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, abnormalities/ FEMALE/ *GALLIUM, pharmacodynamics/ GASTRIC ACIDITY DETERMINATION/ *GASTRIC MUCOSA, drug effects/ INJECTIONS, SUBCUTANEOUS/ MICE/ ORGAN WEIGHT/ PALATE, abnormalities/ *PREGNANCY, ANIMAL, drug effects/ *STOMACH, drug effects/ SULFATES, pharmacodynamics/ TARTRATES, pharmacodynamics

573. **Cavalle F, Picado C, Botey A, et al:** Tumores secretantes de catecolaminas (feocromocitoma y ganglioneuroma) asociados con neurofibromatosis.
Rev Clin Esp 128:35-40, 15 Jan 73 **(Spa)**
ADULT/ *CATECHOLAMINES, secretion/ ENGLISH ABSTRACT/ FEMALE/ *GANGLIONEUROMA, complications/ HUMAN/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ *NEUROFIBROMATOSIS, complications/ *PHEOCHROMOCYTOMA, complications/ PREGNANCY

574. **Cazala P, Cardo B:** Etude préliminaire du comportement d'autostimulation chez la souris.
Physiol Behav 9:255-7, Aug 72 **(Fre)**
ANIMAL EXPERIMENTS/ CONVULSIONS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED DBA/ *SELF STIMULATION/ SPECIES SPECIFICITY/ STEREOTAXIC TECHNICS

575. **Cedard L, Carriat P, Corpechot C, et al:** Etude du sulfate de déhydroéplandrostérone endogène et exogène chez les femmes âgées.
Gerontol Clin (Basel) 14:160-71, 1972 **(Fre)**
AGE FACTORS/ AGED/ *BODY FLUIDS, analysis/ CHROMATOGRAPHY, GAS/ *DEHYDROEPIANDROSTERONE, analysis/ DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ DEHYDROEPIANDROSTERONE, urine/ ESTROGENS, analysis/ FEMALE/ HUMAN/ SEX FACTORS/ STIMULATION, CHEMICAL/ SULFATES/ TESTOSTERONE, analysis

576. **Cehovic G, Mobley P:** Action du GMP cyclique et de l'AMP cyclique sur la fonction thyroïdienne de la souris in vivo.
C R Acad Sci [D] (Paris) 274:3577-80, 26 Jun 72 **(Fre)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIET/ FEMALE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *IODINE, metabolism/ IODINE ISOTOPES/ MICE/ RECEPTORS, DRUG/ STIMULATION, CHEMICAL/ *THYROID GLAND, drug effects/ THYROTROPIN, pharmacodynamics/ THYROTROPIN, physiology/ THYROXINE, blood

577. **Cendrowski W:** Nowe poglądy na patofizjologię stwardnienia rozsianego.
Neurol Neurochir Pol 6:817-21, Nov-Dec 72 **(Pol)**
ACID-BASE EQUILIBRIUM/ ADAPTATION, PHYSIOLOGICAL/ CALCIUM, metabolism/ CARBON DIOXIDE, metabolism/ DEMYELINATION, diagnosis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ MULTIPLE SCLEROSIS, diagnosis/ MULTIPLE SCLEROSIS, immunology/ *MULTIPLE SCLEROSIS, physiopathology/ NERVE TISSUE, immunology/ NEURAL CONDUCTION/ POTASSIUM, metabolism/ SODIUM/ SODIUM, metabolism/ SYNAPSES/ TEMPERATURE/ VISION, drug effects

578. **Cerini JC, Cain MD, Chamley WA, et al:** Luteolysis in the ewe: a study using a radioimmunoassay for prostaglandin F. J Reprod Fertil 32:326-7, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ FEMALE/ METHODS/ OVARY, transplantation/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *SHEEP, physiology/ TRANSPLANTATION, AUTOLOGOUS

579. **Cerini ME, Beck C, Chamley WA, et al:** The effect of an ovine LH and a placental protein on the maintenance of the corpus luteum in the ewe.
J Reprod Fertil 32:324-5, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ *LH, pharmacodynamics/ OVARY, transplantation/ *PLACENTAL EXTRACTS, pharmacodynamics/ PROGESTERONE, blood/ PROTEINS, pharmacodynamics/ *SHEEP, physiology/ TRANSPLANTATION, HOMOLOGOUS

580. **Cession-Fossion A, Juchmès J:** Sur la catécholaminémie du sang périphérique comme témoin de l'hyperactivité orthosympathique chez le chien.
Arch Int Physiol Biochim 80:807-14, Oct 72 **(Fre)**
ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ *AUTONOMIC DYSFUNCTION, blood/ AUTONOMIC DYSFUNCTION, diagnosis/ BLOOD PRESSURE/ CATHETERIZATION/ DOGS/ *EPINEPHRINE, blood/ EPINEPHRINE, metabolism/ EPINEPHRINE, secretion/ FEMORAL ARTERY/ FLUOROMETRY/ *NOREPINEPHRINE, blood/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, secretion/ SECRETORY RATE/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology

581. **Chae CB, Smith MC, Irvin JL:** Effect of in vitro histone phosphorylation on template activity of rat liver chromatin. Biochim Biophys Acta 287:134-53, 16 Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL NUCLEUS, metabolism/ *CHROMATIN, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DNA, metabolism/ ESCHERICHIA COLI, enzymology/ GEL FILTRATION/ *HISTONES, metabolism/ HYDROGEN-ION CONCENTRATION/ LIVER, cytology/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ NUCLEIC ACID DENATURATION/

OXIDATIVE PHOSPHORYLATION/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS/ RATS/ RNA NUCLEOTIDYL-TRANSFERASES, metabolism/ *TEMPLATES/ THYMUS GLAND, enzymology/ TIME FACTORS

582. **Chai H, Gilbert A:** The effect of alternate-day prednisone on the white blood count in children with chronic asthma.
J Allergy Clin Immunol 51:65-70, Feb 73
ADOLESCENCE/ ASTHMA, blood/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS/ CHILD/ CHRONIC DISEASE/ EOSINOPHILS/ FEMALE/ HUMAN/ *LEUKOCYTE COUNT/ LEUKOCYTES, drug effects/ LYMPHOCYTES/ MALE/ *PREDNISONE, administration & dosage

583. **Chaimovitz C, Levi J, Better OS, et al:** Studies on the site of renal salt loss in a patient with Bartter's syndrome. Pediatr Res 7:89-94, Feb 73
ADOLESCENCE/ ADULT/ ALKALOSIS, etiology/ ANGIOTENSIN, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ BLOOD PRESSURE, drug effects/ CHILD/ CHILD, PRESCHOOL/ CHLOROTHIAZIDE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ GROWTH DISORDERS, etiology/ HUMAN/ *HYPERALDOSTERONISM, etiology/ HYPERPLASIA, pathology/ HYPERTROPHY, etiology/ HYPOKALEMIA, etiology/ INULIN, diagnostic use/ *JUXTAGLOMERULAR APPARATUS, pathology/ *KIDNEY DISEASES, physiopathology/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, DISTAL, physiopathology/ LOOP OF HENLE, metabolism/ MALE/ *NATRIURESIS/ SODIUM, metabolism/ SYNDROME

584. **Chaimowitz S, Surasky M, Levi J, et al:** [Combined treatment with corticosteroids and cyclophosphamide in the nephrotic syndrome in children]
Harefuah 83:234-6, 15 Sep 72 (Heb)
*ADRENAL CORTEX HORMONES, therapeutic use/ CHILD, PRESCHOOL/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, therapeutic use

585. **Chait A, Lewis B:** The hyperlipidaemias--a rational approach to classification and management.
S Afr Med J 46:2097-101, 30 Dec 72
CHOLESTEROL, blood/ CLOFIBRATE, therapeutic use/ DEXTROTHYROXINE, therapeutic use/ DIET THERAPY/ HUMAN/ *HYPERLIPEMIA/ HYPERLIPEMIA, classification/ HYPERLIPEMIA, diagnosis/ HYPERLIPEMIA, drug therapy/ HYPERLIPEMIA, etiology/ HYPERLIPEMIA, therapy/ HYPERLIPEMIA, ESSENTIAL FAMILIAL/ NICOTINIC ACID, therapeutic use/ TRIGLYCERIDES, blood/ ULTRACENTRIFUGATION

586. **Chakmakjian ZH, Marks JF, Fink CW:** Effect of levodopa (L-dopa) on serum growth hormone in children with short stature. Pediatr Res 7:71-4, Feb 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ ARGININE, diagnostic use/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DOPA, diagnostic use/ EVALUATION STUDIES/ FEMALE/ *GROWTH DISORDERS, blood/ GROWTH DISORDERS, metabolism/ HUMAN/ HYPOGLYCEMIA, chemically induced/ INSULIN, diagnostic use/ MALE/ PITUITARY GLAND FUNCTION TESTS/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ TIME FACTORS

587. **Chakrabarti B, Darzynkiewicz Z:** Cortisol-induced changes in U.V. absorption spectra of isolated nuclei from rat liver and thymus.
Biochem Biophys Res Commun 50:164-71, 4 Jan 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS, analysis/ *CELL NUCLEUS, drug effects/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ KINETICS/ LIVER, analysis/ *LIVER, cytology/ LIVER, drug effects/ PREGNENOLONE, pharmacodynamics/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYMUS GLAND, analysis/ *THYMUS GLAND, cytology/ THYMUS GLAND, drug effects

588. **Chakraborty J, Hopkins R, Parke DV:** Inhibition studies on the aromatization of androst-4-ene-3,17-dione by human placental microsomal preparations.
Biochem J 130:19P-20P, Nov 72
ANDROSTENEDIONE, metabolism/ *ANDROSTENES, metabolism/ CARBON MONOXIDE/ CYTOCHROME P-450, metabolism/ CYTOCHROMES, metabolism/ ESTRONE, metabolism/ FEMALE/ HUMAN/ IN VITRO/ *17-KETOSTEROIDS, metabolism/ *MICROSOMES, metabolism/ NADP/ OXYGEN CONSUMPTION/ *PLACENTA, metabolism/ TRITIUM

589. **Challis JR, Illingworth DV:** Oestrogens in the pregnant guinea-pig. J Reprod Fertil 31:504-5, Dec 72
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ *ESTROGENS, blood/ FEMALE/ GUINEA PIGS/ 17-KETOSTEROIDS, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ RADIOIMMUNOASSAY

590. **Chambaz EM, Hadjian AJ, Madani C, et al:** Stéroïdes urinaires du nouveau-né. Etude par analyse en phase gazeuse.
J Gynecol Obstet Biol Reprod (Paris) 1:603, Sep 72 (Fre)
AGE FACTORS/ CHROMATOGRAPHY, GAS/ HUMAN/ INFANT, NEWBORN/ SPECTRUM ANALYSIS/ *STEROIDS, urine

591. **Chamley WA, Brown JM, Cerini ME, et al:** An explanation for the absence of post-parturient ovulation in the ewe. J Reprod Fertil 32:334-5, Feb 73
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ FSH, analysis/ *LABOR/ LH, analysis/ LH, blood/ *OVULATION/ PITUITARY GLAND, analysis/ PROGESTERONE, blood/ PROLACTIN, blood/ *SHEEP, physiology

592. **Chan PC, Hahn GM:** Control of proliferation in two cell lines in vitro. Biophysik 9:70-84, 1972
BIOLOGICAL TRANSPORT/ CELL COUNT/ *CELL DIVISION/ *CELL LINE/ CELL MEMBRANE PERMEABILITY/ *CONTACT INHIBITION/ CULTURE MEDIA/ FIBROBLASTS/ GROWTH SUBSTANCES/ HAMSTERS/ IMMUNE SERUMS/ MITOSIS/ MODELS, BIOLOGICAL/ OVARY/ RATS, embryology/ TRYPSIN

593. **Chan SW, Phillips JG:** Effects of gonadectomy and replacement therapy on adrenal function in the domestic duck, Anas platyrhynchos.
Gen Comp Endocrinol 20:144-9, Feb 73
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ *DUCKS, physiology/ FEMALE/ MALE/ ORGAN WEIGHT/ *OVARY, physiology/ PROGESTERONE, metabolism/ *TESTIS, physiology/ *TESTOSTERONE, physiology

594. **Chanard J, Kleinknecht D, Dreyfus JC, et al:** Myoglobinurie par maladie de McArdle compliquée d'insuffisance rénale aigue anurique.
Arch Fr Pediatr 29:505-11, May 72 (Fre)
ADOLESCENCE/ ANURIA/ ENGLISH ABSTRACT/ *GLUCOSYLTRANSFERASES/ *GLYCOGENOSIS/ HUMAN/ HYPERCALCEMIA, complications/ *KIDNEY FAILURE, ACUTE, complications/ MALE/ *MUSCLES, enzymology/ *MUSCULAR DISEASES, complications/ *MYOGLOBINURIA, complications

595. **Chanarin I:** Pernicious anaemia as an autoimmune disease. Br J Haematol 23:Suppl:101-7, Sep 72 (37 ref.)
ADULT/ AGAMMAGLOBULINEMIA, complications/ ANEMIA, PERNICIOUS, complications/ ANEMIA, PERNICIOUS, drug therapy/ ANEMIA, PERNICIOUS, familial & genetic/ *ANEMIA, PERNICIOUS, immunology/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES/ FEMALE/ GASTRIC JUICE, immunology/ HUMAN/ IMMUNITY, CELLULAR/ INFANT, NEWBORN/ INTRINSIC FACTOR/ MALE/ MIDDLE AGE/ REVIEW/ STEROIDS, therapeutic use/ STOMACH, immunology/ VITAMIN B 12, metabolism

596. **Chancoia A, Thapliyal JP:** Effect of photoperiod on thyroid function of spotted munia, Lonchura punctulata. Gen Comp Endocrinol 20:214-7, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BIRDS, physiology/ GONADS, anatomy & histology/ IODINE, metabolism/ *LIGHT/ ORGAN WEIGHT/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ TIME FACTORS

597. **Chandra P, Gericke D, Becker B:** Effect of some adenosine 3',5'-monophosphate analogues on cell proliferation, tumor growth and macromolecular syntbesis in various organs of the mouse. Hoppe Seylers Z Physiol Chem 353:1506-7, Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ANIMAL EXPERIMENTS/ BENZOATES/ BROMINE/ *CELL DIVISION, drug effects/ L CELLS, drug effects/ L CELLS, growth & development/ *LYMPHOSARCOMA, drug therapy/ MACROMOLECULAR SYSTEMS, biosynthesis/ MICE/ MITOSIS, drug effects/ NEOPLASM TRANSPLANTATION/ SARCOMA, EXPERIMENTAL, drug therapy/ SULFHYDRYL COMPOUNDS

598. **Chandra R, Braunstein P, Thein A, et al:** Production of 167 Tm for medical use. Int J Appl Radiat Isot 23:553-6, Dec 72
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ EDTA/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ RABBITS/ *RADIOISOTOPES/ RADIOISOTOPES, metabolism/ RADIOISOTOPES, urine/ *THULIUM/ THULIUM, metabolism/ THULIUM, urine

599. **Chandrasekhar KP, Kasiviswesvaran R:** Pycnodysostosis (the malady of Toulouse Lautrec). A case report. J Assoc Physicians India 20:867-70, Nov 72
*AUTOSOME ABNORMALITIES/ *CRANIOFACIAL DYSOSTOSIS/ *DWARFISM/ HAND, radiography/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPETROSIS, radiography/ PELVIC BONES, radiography/ SKULL, radiography/ SYNDROME

600. **Chang CW:** Marine natural products other than pigments. J Chem Educ 50:260-2, Apr 73
GUANIDINES, isolation & purification/ *MARINE BIOLOGY/ *PROSTAGLANDINS, isolation & purification/ *STEROLS, isolation & purification/ *TOXINS, isolation & purification

601. **Chang LR, Chen CF, Chai CY:** The effect of head injury on antidiuretic hormone synthesis or release in rats. Arch Int Physiol Biochim 80:679-84, Oct 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BLOOD/ BLOOD SUGAR, metabolism/ BODY WATER/ BODY WEIGHT/ CHLORIDES, blood/ *HEAD INJURIES, metabolism/ HEAD INJURIES, physiopathology/ HEMATOCRIT/ HYPOTHALAMUS, physiopathology/ MALE/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, physiopathology/ *PITUITARY GLAND, POSTERIOR, metabolism/ POTASSIUM, blood/ RATS/ SODIUM, blood/ TIME FACTORS/ *VASOPRESSIN, biosynthesis/ VASOPRESSIN, blood/ VASOPRESSIN, secretion

602. **Chang RS, Blankenship W, Golden HD, et al:** Spontaneous and induced transformation of human leukocytes in vitro. Birth Defects 9:40-54, Jan 73
BLOOD/ BURKITT'S LYMPHOMA VIRUS/ CARCINOGENS, pharmacodynamics/ CELL DIVISION/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ FEMALE/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ INFECTIOUS MONONUCLEOSIS/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, immunology/ MALE/ MUTAGENS, pharmacodynamics/ PLANT AGGLUTININS/ RAUSCHER VIRUS/ SV40 VIRUS/ UMBILICAL CORD

603. **Channing CP:** Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Prostaglandins 2:331-49, Nov 72
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CORPUS LUTEUM, drug effects/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ LEUKOCYTES, drug effects/ LH, antagonists & inhibitors/ LH, pharmacodynamics/ MACACA/ MENOTROPINS, pharmacodynamics/ MONKEYS/ OVARY, drug effects/ PROGESTERONE, secretion/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL

604. **Channing CP:** Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Prostaglandins 2:351-67, Nov 72
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ CYCLOPENTANE, pharmacodynamics/ FATTY ACIDS, pharmacodynamics/ FATTY ACIDS, UNSATURATED, administration & dosage/ FATTY ACIDS, UNSATURATED, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ LEUKOCYTES, drug effects/ LH, pharmacodynamics/ MACACA/ MONKEYS/ PROGESTERONE, secretion/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE, drug effects/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL

605. **Chapnick P:** A review of hyperparatbyroidism and an interesting case presenting with a giant cell lesion. Trans Congr Int Assoc Oral Surg 4:44-8, 1973
GIANT CELL TUMORS/ HYPERPARATHYROIDISM/ MANDIBULAR NEOPLASMS/ ORAL MANIFESTATIONS/ SPECIAL LIST DENTAL

606. **Charles MA, Fanska R, Schmid FG, et al:** Adenosine 3',5'-monophosphate in pancreatic islets: glucose-induced insulin release. Science 179:569-71, 9 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ *GLUCOSE, pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, secretion/ MALE/ RATS/ THEOPHYLLINE, pharmacodynamics

607. **Charro AL, Levin SR, Becker N, et al:** Clomiphene in the evaluation of the pituitary-gonadal axis in acromegaly. J Clin Endocrinol Metab 36:502-8, Mar 73
*ACROMEGALY, blood/ ADENOMA, CHROMOPHOBE, blood/ ADULT/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CLOMIPHENE, diagnostic use/ *FSH, blood/

GONADOTROPINS, urine/ HUMAN/ HYPOGONADISM, blood/ HYPOPITUITARISM, blood/ *LH, blood/ MALE/ MICE/ MIDDLE AGE/ PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ *TESTOSTERONE, blood

608. **Chassard-Bouchaud C, Hubert M:** Présence de reticulum endoplasmique agramulaire et tubulaire dans l'épiderme de Palaemon serratus (Pennant) crustacé décapode.
C R Acad Sci [D] (Paris) 275:2905-7, 18 Dec 72 **(Fre)**
*CRUSTACEA/ CRUSTACEA, physiology/ *ENDOPLASMIC RETICULUM/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *SKIN, cytology/ STEROIDS, secretion

609. **Chatterjee A:** The possible mode of action of prostaglandins. IV. Reversal of the detrimental effects of prostaglandin E2 in the termination of decidual growth in pseudo-pregnant rats by using prolactin or progesterone.
Prostaglandins 2:417-25, Nov 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CAPROATES/ CORPUS LUTEUM, drug effects/ DECIDUA/ FEMALE/ HYDROXYPROGESTERONE, pharmacodynamics/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ PSEUDOPREGNANCY, drug effects/ RATS/ SPECIAL LIST REPRODUCTION/ VAGINAL SMEARS

610. **Chatterjee A, Greenwald GS:** The long-term effects of unilateral ovariectomy of the cycling hamster and rat.
Biol Reprod 7:238-46, Oct 72
ANIMAL EXPERIMENTS/ *CASTRATION/ CORPUS LUTEUM, drug effects/ ESTRADIOL, pharmacodynamics/ ESTRUS/ ESTRUS, drug effects/ HAMSTERS/ HYPERTROPHY, chemically induced/ ORGAN WEIGHT/ OVARY, drug effects/ *OVULATION/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ PSEUDOPREGNANCY, drug effects/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

611. **Chatterjee AK, Datta SC:** Some studies on the formation in vivo of pyridoxal phosphate in rats receiving high-fat diet.
J Vitaminol (Kyoto) 18:189-93, 10 Dec 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ALCOHOL OXIDOREDUCTASES, analysis/ ANIMAL EXPERIMENTS/ *DIETARY FATS, metabolism/ FMN, metabolism/ FMN, pharmacodynamics/ KIDNEY, analysis/ KIDNEY, enzymology/ LIVER, analysis/ LIVER, enzymology/ MALE/ PYRIDOXAL PHOSPHATE, analysis/ *PYRIDOXAL PHOSPHATE, biosynthesis/ PYRIDOXINE/ RATS/ TESTOSTERONE, pharmacodynamics

612. **Chaudhuri TK, Chaudhuri TuH:** Calcium phosphate colloid: possible nidus for metastatic calcification in hypercalcemia. JAMA 222:1061, 20 Nov 72
*CALCINOSIS, complications/ *CALCIUM PHOSPHATES, adverse effects/ COLLOIDS, adverse effects/ COLLOIDS, metabolism/ HUMAN/ *HYPERCALCEMIA, complications/ RETICULOENDOTHELIAL SYSTEM, metabolism

613. **Chaudhury MF, Ball HJ:** The effect of age, nutritional factors, and gonadal development of the mating behaviour of the face fly, Musca autumnalis.
J Insect Physiol 19:57-64, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *DIPTERA/ FEMALE/ OVARY, growth & development/ *SEX BEHAVIOR, ANIMAL

614. **Chauraud JP, Vergues M:** Tegmentum ventral du mésencéphale et comportement d'agression interspécifique du rat.
J Physiol (Paris) 65:Suppl:217A-218, Oct 72 **(Fre)**
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ ELECTRIC STIMULATION/ FEEDING BEHAVIOR/ HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ MICE/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ TEGMENTUM MESENCEPHALI, injuries/ TEGMENTUM MESENCEPHALI, physiology

615. **Chauvet J, Chauvet MT, Acher R:** Biological properties of synthetic Ser 4 -Arg 8 -oxytocin (Ile 3 -Ser 4 -arginine vasopressin): role of the residue No. 4 in the hormone-pressor receptor interaction.
Experientia 28:1493-5, 15 Dec 72
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHICKENS/ EVOLUTION/ FISHES/ *OXYTOCIN/ OXYTOCIN, chem synthesis/ OXYTOCIN, isolation & purification/ OXYTOCIN, pharmacodynamics/ RATS/ RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ *VASOPRESSIN/ VASOPRESSIN, chem synthesis/ VASOPRESSIN, isolation & purification/ VASOPRESSIN, pharmacodynamics/ VASOTOCIN

616. **Chaves E, Oliveira AM, Arnaud AC:** Retrobulbar granular cell myoblastoma.
Br J Ophthalmol 56:854-6, Nov 72
ADOLESCENCE/ EXOPHTHALMOS, etiology/ HUMAN/ MALE/ *MYOBLASTOMA/ MYOBLASTOMA, pathology/ MYOBLASTOMA, surgery/ OPTIC NERVE/ *ORBITAL NEOPLASMS/ ORBITAL NEOPLASMS, pathology/ ORBITAL NEOPLASMS, surgery

617. **Chęcińska Z, Gruszka S, Gałązka A, et al:** Przypadek wyleczonej posocznicy gronkowcowej o niezwykłym przebiegu.
Wiad Lek 26:345-9, 15 Feb 73 **(Pol)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ BLOOD TRANSFUSION/ ENGLISH ABSTRACT/ FEMALE/ GAMMA GLOBULIN, therapeutic use/ HUMAN/ SEPTICEMIA, drug therapy/ *SEPTICEMIA, etiology/ *STAPHYLOCOCCAL INFECTIONS, complications/ SULFONAMIDES, therapeutic use

618. **Chemke J, Graff G, Hurwitz N, et al:** The amniotic band syndrome. Obstet Gynecol 41:332-6, Mar 73
ABNORMALITIES, etiology/ *AMNION/ AMPUTATION, TRAUMATIC, etiology/ *ARM, abnormalities/ CONSTRICTION/ FEMALE/ *FINGERS, abnormalities/ HUMAN/ INFANT, NEWBORN/ MALE/ PLACENTA DISORDERS, complications/ PREGNANCY/ SYNDROME

619. **Cheu CH, Lehninger AL:** Respiration and phosphorylation by mitochondria from the hepatopancreas of the blue crab (Callinectes sapidus). Arch Biochem Biophys 154:449-59, Jan 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ ARGININE, metabolism/ CALCIUM, metabolism/ *CRABS, cytology/ FATTY ACIDS, metabolism/ IN VITRO/ KINETICS/ MITOCHONDRIA, LIVER, analysis/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION, drug effects/ PANCREAS, cytology/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PERMEABILITY/ PHOSPHATES, pharmacodynamics/ PHOSPHORUS, metabolism/ SERUM ALBUMIN, BOVINE

620. **Cheu HI, Suu SC, Chai CY:** Pulmonary edema and hemorrhage resulting from cerebral compression.
Am J Physiol 224:223-9, Feb 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ BRADYCARDIA, etiology/ CEREBRAL CORTEX DECORTICATION/

CHORDOTOMY/ *HEMORRHAGE, etiology/ HEMORRHAGE, pathology/ *INTRACRANIAL PRESSURE/ LUNG, pathology/ *LUNG DISEASES, etiology/ LUNG DISEASES, pathology/ MALE/ NOREPINEPHRINE, pharmacodynamics/ ORGAN WEIGHT/ PULMONARY CIRCULATION/ *PULMONARY EDEMA, etiology/ PULMONARY EDEMA, pathology/ RATS/ SPINAL CORD, physiology/ VAGOTOMY/ VAGUS NERVE, physiology

621. **Chen HW, Hamer DH, Heiniger HJ, et al:** Stimulation of hepatic RNA synthesis in dwarf mice by ovine prolactin. Biochim Biophys Acta 287:90-7, 16 Nov 72
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ CELL FRACTIONATION/ DNA, analysis/ DNA, biosynthesis/ FEMALE/ GENOTYPE/ GUANINE, metabolism/ LIVER, analysis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICE/ MICE, INBRED STRAINS/ MITOCHONDRIA, LIVER, metabolism/ ORGAN WEIGHT/ POLYRIBOSOMES, metabolism/ *PROLACTIN, pharmacodynamics/ RNA, analysis/ *RNA, biosynthesis/ SHEEP/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

622. **Chen SY, Koffler D, Cohen CJ:** Cell-mediated immunity in patients with ovarian carcinoma.
Am J Obstet Gynecol 115:467-70, 15 Feb 73
ANTIGENS, NEOPLASM, pharmacodynamics/ CARCINOMA, EPIDERMOID, immunology/ CELL MIGRATION INHIBITION/ CERVIX NEOPLASMS, immunology/ *CYSTADENOCARCINOMA, immunology/ *CYSTADENOMA, MUCINOUS, immunology/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYPERSENSITIVITY, DELAYED/ HYSTERECTOMY/ *IMMUNITY, CELLULAR/ LEIOMYOSARCOMA, immunology/ LEUKOCYTES/ NEOPLASMS, EMBRYONAL AND MIXED, immunology/ *OVARIAN NEOPLASMS, immunology/ OVARY, surgery/ UTERINE NEOPLASMS, immunology

623. **Chen WF, Kang MJ, Lin TY:** Immunosuppressive therapy and liver regeneration.
J Formosan Med Assoc 71:563-71, 28 Sep 72
ANIMAL EXPERIMENTS/ *AZATHIOPRINE, pharmacodynamics/ DOGS/ HEPATECTOMY/ LIVER FUNCTION TESTS/ *LIVER REGENERATION, drug effects/ *PREDNISOLONE, pharmacodynamics/ RADIOISOTOPE SCANNING

624. **Cheng KW, Friesen HG:** Studies of human neurophysin by radioimmunoassay.
J Clin Endocrinol Metab 36:553-60, Mar 73
ACROMEGALY, blood/ AMNIOTIC FLUID, analysis/ CROSS REACTIONS/ DIABETES INSIPIDUS, blood/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ GEL FILTRATION/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ LACTATION DISORDERS, blood/ METHODS/ MOLECULAR WEIGHT/ *NEUROPHYSINS, analysis/ NEUROPHYSINS, blood/ PREGNANCY/ RADIOIMMUNOASSAY/ UREMIA, blood

625. **Cherednichenko LK:** Sostoaine teplovogo obmena pri narusheniiakh polovogo tsikla v period starenila i posle ovariéktomii u helykh krys.
Probl Endokrinol (Mosk) 18:70-7, Jul-Aug 72 (Rus)
*AGING/ *BODY TEMPERATURE REGULATION/ BODY WEIGHT/ CASTRATION/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ HUMAN/ *OVARY, physiology/ OVARY, surgery

626. **Cherkasova LS, Pikulev AT:** The action of glucocorticoids on glutamic acid metabolism.
Endokrinologie 60:273-8, 1972
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, metabolism/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBOXY-LYASES, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORTICOSTERONE, analysis/ DEPRESSION, CHEMICAL/ GLUTAMATE DEHYDROGENASE, metabolism/ *GLUTAMATES, metabolism/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, metabolism/ LIVER, enzymology/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ RATS/ RATS, INBRED STRAINS/ SPINAL CORD

627. **Chernly CH, Mu JY:** Thyrotropin-like activity of thyroid RNA in vitro.
Proc Soc Exp Biol Med 142:600-3, Feb 73
ANIMAL EXPERIMENTS/ DIIODOTYROSINE, analysis/ GUINEA PIGS/ IN VITRO/ *IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, analysis/ LIVER, analysis/ MALE/ NUCLEIC ACID DENATURATION/ PROTEIN-BOUND IODINE TEST/ RIBONUCLEASE/ RNA, isolation & purification/ *RNA, physiology/ THYROID GLAND, analysis/ *THYROID GLAND, metabolism/ THYROTROPIN, physiology/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

628. **Chertow BS, Fidler WJ, Fariss BL:** Graves' disease and Hashimoto's thyroiditis in monozygous twins.
Acta Endocrinol (Kbh) 72:18-24, Jan 73
ADOLESCENCE/ ADULT/ ANTIBODIES, analysis/ BIOPSY, NEEDLE/ *DISEASES IN TWINS/ FEMALE/ GENOTYPE/ *GOITER, EXOPHTHALMIC, familial & genetic/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ HYPERTHYROIDISM, familial & genetic/ MALE/ MIDDLE AGE/ *THYROIDITIS, LYMPHOMATOUS, familial & genetic/ THYROIDITIS, LYMPHOMATOUS, pathology

629. **Chesnais JM, Coraboeuf E, Sauviat MP, et al:** Influence des milieux hypocalciques et hyposodiques sur les courants transmembranaires entrants lents cardiaques.
J Physiol (Paris) 65:Suppl:218A-219, Oct 72 (Fre)
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ FROGS/ *HEART ATRIUM, drug effects/ HEART ATRIUM, physiology/ *MEMBRANE POTENTIALS, drug effects/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ SOLUTIONS

630. **Chester R, Dukes M, Slater SR, et al:** Delay of parturition in the rat by anti-inflammatory agents which inhibit the biosynthesis of prostaglandins.
Nature 240:37-8, 3 Nov 72
ACETATES/ ACETIC ACIDS, adverse effects/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ASPIRIN, adverse effects/ CORTISONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ FEMALE/ FETAL DEATH, chemically induced/ GESTATIONAL AGE/ INDOMETHACIN, adverse effects/ INJECTIONS, INTRAPERITONEAL/ *LABOR COMPLICATIONS, chemically induced/ LABOR, PREMATURE, chemically induced/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RATS/ THIAZOLES, adverse effects

631. **Chetverukhin VK:** Hypothalamo-hypophyseal neurosecretory system in Rana temporaria in early ontogenesis.
Neurosci Behav Physiol 5:200-11, Jul-Sep 72
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES, growth & development/ EPENDYMA, growth & development/ FROGS/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, growth & development/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LARVA/ METAMORPHOSIS,

BIOLOGICAL/ MITOSIS/ NEUROHUMORS, analysis/ NEUROHUMORS, physiology/ NEUROSECRETION/ PITUITARY GLAND, POSTERIOR, growth & development/ *RANA TEMPORARIA, growth & development

632. Chevrel B: Le traitement médical de la maladie de Crohn. Nouv Presse Med 1:3064-6, 16 Dec 72 (Fre)
ANTIBIOTICS, therapeutic use/ BCG VACCINATION/ CORTICOTROPIN, therapeutic use/ DIET THERAPY/ ENTERITIS, REGIONAL, complications/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, surgery/ *ENTERITIS, REGIONAL, therapy/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INTESTINAL FISTULA, etiology/ INTESTINAL PERFORATION, etiology/ MORPHINANS, therapeutic use/ PARASYMPATHOLYTICS, therapeutic use/ RECURRENCE/ SULFONAMIDES, therapeutic use

633. Chhetri MK: Plasma cortisol.
J Indian Med Assoc 59:118-9, 1 Aug 72
ADRENAL GLAND HYPOFUNCTION, diagnosis/ CIRCADIAN RHYTHM/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, diagnosis/ HUMAN/ *HYDROCORTISONE, blood/ STRESS, blood

634. Chhetri MK, Neelakantan C, Chaudhuri ND, et al: Euthyroid Graves' disease.
J Assoc Physicians India 20:367-72, May 72
ADULT/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, etiology/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ MALE/ SERODIAGNOSIS/ THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS

635. Chiara F, Cattaneo G, Ragni G: Morphology and histoenzymology of the human testicle in some cases of infertility. Andrologie 4:75-83, 1972
ADULT/ BIOPSY/ ESTROGENS, analysis/ FSH/ GONADOTROPINS/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, analysis/ ISOCITRATE DEHYDROGENASE, analysis/ KARYOTYPING/ 17-KETOSTEROIDS, analysis/ LEYDIG CELLS, enzymology/ MALE/ MIDDLE AGE/ SEMEN, metabolism/ SEMEN, pathology/ SERTOLI CELLS, enzymology/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SPERMATOGENESIS/ SPERMATOZOA, pathology/ STERILITY, MALE, enzymology/ STERILITY, MALE, metabolism/ *STERILITY, MALE, pathology/ TESTIS, enzymology/ *TESTIS, pathology

636. Chiba S, Nakajima T, Nakano J: Effect of prostaglandins E 1 and F 2 on heart rate by direct injection into the canine sinus node artery.
Jap J Pharmacol 22:734-6, Oct 72
ANIMAL EXPERIMENTS/ DOGS/ *HEART RATE, drug effects/ INJECTIONS, INTRA-ARTERIAL/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ SINO-ATRIAL NODE, blood supply/ STIMULATION, CHEMICAL

637. Chilcote DD: Column-chromatographic analysis of naturally fluorescing compounds. II. Rapid analysis of indoleacetic acid and 5-hydroxyindoleacetic acid in biological samples. Clin Chem 18:1376-8, Nov 72
CHROMATOGRAPHY, ION EXCHANGE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, blood/ HYDROXYINDOLEACETIC ACID, urine/ *INDOLEACETIC ACID, analysis/ INDOLEACETIC ACID, blood/ INDOLEACETIC ACID, urine/ METHODS/ SEROTONIN

638. Child KJ, Davis B, Dodds MG, et al: Anaesthetic, cardiovascular and respiratory effects of a new steroidal agent CT 1341: a comparison with other intravenous anaesthetic drugs in the unrestrained cat.
Br J Pharmacol 46:189-200, Oct 72
ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, pharmacodynamics/ ANESTHETICS, toxicity/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BLOOD PRESSURE, drug effects/ *CARDIOVASCULAR SYSTEM, drug effects/ CATS/ COMPARATIVE STUDY/ FEMALE/ HEART RATE, drug effects/ KETAMINE, pharmacodynamics/ KETONES, pharmacodynamics/ KETONES, toxicity/ MALE/ METHOHEXITAL, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ *PREGNANES, pharmacodynamics/ PREGNANES, toxicity/ PROPANIDID, pharmacodynamics/ *RESPIRATION, drug effects/ THIOPENTAL, pharmacodynamics

639. Chisholm DC, Trowill JA: The effects of incentive shifts on stimulus-bound licking in rats.
Physiol Behav 9:277-9, Aug 72
ANIMAL EXPERIMENTS/ *DRINKING BEHAVIOR/ *ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ MALE/ OSMOLAR CONCENTRATION/ RATS/ SATIATION/ SUCROSE/ *TASTE

640. Chisholm DP Jr, Fariss BL, Rudy RL Jr: Percutaneous adrenal venography in the dog.
Radiology 106:281-4, Feb 73
ADRENAL GLAND DISEASES, chemically induced/ ADRENAL GLAND DISEASES, radiography/ *ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, radiography/ ANIMAL EXPERIMENTS/ CORTICOTROPIN/ DISEASE MODELS, ANIMAL/ DOGS/ HYDROCORTISONE, blood/ PHLEBOGRAPHY/ *TECHNOLOGY, RADIOLOGIC/ *VEINS

641. Chiu KW, Phillips JG: The effect of prolactin, thyroxine, and thyrotropin on the sloughing cycle of the lizard Gekko gecko L.
Gen Comp Endocrinol 19:592-3, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ *LIZARDS, physiology/ MALE/ *PROLACTIN, physiology/ *THYROTROPIN, physiology/ *THYROXINE, physiology/ TIME FACTORS

642. Chojnowski C, Iskierko J, Skrzydlo Z, et al: Kwaśny hydrolizat białkowy z odpadowej miazgi łożyskowej po produkcji gamma-globulin ludzkich.
Med Dosw Mikrobiol 24:275-81, 1972 (Pol)
ENGLISH ABSTRACT/ FEMALE/ *GAMMA GLOBULIN, biosynthesis/ HUMAN/ METHODS/ *PLACENTA, metabolism/ *PROTEIN HYDROLYSATES, biosynthesis

643. Chopra BK, Singh G, Puri A: Hoffmann's syndrome (hypothyroid myopathy).
J Assoc Physicians India 20:387-90, May 72
ADOLESCENCE/ CASE REPORT/ HUMAN/ HYPERTROPHY/ MALE/ MUSCLE CRAMP/ *MUSCULAR DISEASES/ *MYXEDEMA/ SYNDROME

644. Chorzelski T, Jablonska S: Klinische Aspekte der immunopathologischen Untersuchungen bei Pemphigus vulgaris. Hautarzt 23:477-9, Nov 72 (Ger)
ADRENAL CORTEX HORMONES, administration & dosage/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES, analysis/ BIOPSY/ FLUORESCENT ANTIBODY TECHNIC/ GOATS, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOSUPPRESSION/ METHOTREXATE, administration & dosage/ MONKEYS/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, immunology/ PEMPHIGUS, pathology/ PROGNOSIS

645. Chou ST, Gibson JB: A comparative histochemical study of rat livers in alpha-naphthyl-iso-thiocyanate (ANIT) and DL-ethionine intoxication.
J Pathol 108:73-83, Sep 72
ADENOSINE TRIPHOSPHATASE, analysis/ AMINOPEPTIDASES, analysis/ ANIMAL EXPERIMENTS/ *BILE DUCT NEOPLASMS, chemically induced/ BILE DUCTS, INTRAHEPATIC/ BILIARY TRACT DISEASES, chemically induced/ BILIARY TRACT DISEASES, enzymology/ ETHIONINE,

administration & dosage/ *ETHIONINE, toxicity/ FEMALE/ HISTOCYTOCHEMISTRY/ *LIVER, drug effects/ LIVER, enzymology/ LIVER, pathology/ MALE/ METAPLASIA, chemically induced/ MUCIN, analysis/ PHOSPHATASES, analysis/ RATS/ THIOCYANATES, administration & dosage/ *THIOCYANATES, toxicity

646. **Chouraqui J, Weniger JP:** Sur la précocité de la sécrétion de corticostéroïdes par la surrénale embryonnaire de lapin cultivée in vitro. C R Acad Sci [D] (Paris) 275:999-1009, 28 Aug 72 (Fre)
ACETATES, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, embryology/ *ADRENAL GLANDS, secretion/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, biosynthesis/ CORTISONE, biosynthesis/ EMBRYO, metabolism/ FEMALE/ HYDROCORTISONE, biosyntbesis/ IN VITRO/ MALE/ ORGAN CULTURE/ RABBITS

647. **Chow BF, Rider AA:** Implications of tbe effects of maternal diets in various species. J Anim Sci 36:167-73, Jan 73 (12 ref.)
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BEHAVIOR, ANIMAL/ BIRTH WEIGHT/ BODY WEIGHT/ *DIET/ FEAR/ FEMALE/ GROWTH/ LACTATION/ LEARNING/ MALE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RATS/ REVIEW/ TIME FACTORS/ WEANING

648. **Chowdhury SD, Gray JG:** Renal function and hypertension in primary hyperparathyroidism. Br J Surg 60:53-6, Jan 73
ADULT/ BLOOD UREA NITROGEN/ BONE DISEASES, complications/ CALCIUM, blood/ CREATININE, blood/ CREATININE, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, pbysiopatbology/ HYPERPARATHYROIDISM, surgery/ *HYPERTENSION, RENAL, complications/ *KIDNEY, physiopathology/ KIDNEY CALCULI, complications/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ UROGRAPHY

649. **Christensen HN:** On tbe development of amino acid transport systems. Fed Proc 32:19-28, Jan 73 (47 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALANINE, metabolism/ *AMINO ACIDS, metabolism/ AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ARGININE, metabolism/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ CHICKENS/ CYCLOPENTANE, metabolism/ FEMALE/ GLUCAGON, pharmacodynamics/ GLUTAMATES, metabolism/ GLUTAMINE, metabolism/ GLYCINE, metabolism/ GUINEA PIGS/ INTESTINAL ABSORPTION/ KIDNEY CORTEX, metabolism/ KIDNEY TUBULES, metabolism/ LIVER, metabolism/ LYSINE, metabolism/ MATERNAL-FETAL EXCHANGE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PREGNANCY/ PROLINE, metabolism/ RATS/ REVIEW

650. **Christian JJ, Steinberger E, McKinney TD:** Annual cycle of spermatogenesis and testis morpbology in woodcbucks. J Mammal 53:708-16, Nov 72
ANIMAL EXPERIMENTS/ MALE/ RODENTS, anatomy & histology/ *RODENTS, pbysiology/ SEASONS/ *SPERMATOGENESIS/ *TESTIS, anatomy & histology

651. **Christiansen I, Haghfelt T, Amtorp O:** Complete beart block in acute myocardial infarction: drug therapy. Am Heart J 85:162-6, Feb 73
ARRHYTHMIA, etiology/ *ATROPINE, therapeutic use/ EVALUATION STUDIES/ GLUCOCORTICOIDS, tberapeutic use/ HEART BLOCK, drug tberapy/ *HEART BLOCK, etiology/ HEART FAILURE, CONGESTIVE, drug tberapy/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ *ISOPROTERENOL, therapeutic use/ *LIDOCAINE, tberapeutic use/ *MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, mortality/ PACEMAKER, ARTIFICIAL/ SHOCK, CARDIOGENIC, drug therapy

652. **Christie DW, Bell ET:** Changes in tbe dimensions of the uterus of the Beagle bitcb during tbe oestrous cycle. J Small Anim Pract 13:97-100, Feb 72
ANIMAL EXPERIMENTS/ DOGS, anatomy & histology/ *DOGS, physiology/ *ESTRUS/ FEMALE/ TIME FACTORS/ UTERUS, anatomy & bistology/ *UTERUS, pbysiology

653. **Christov K, Bollmann R, Thomas C:** Structure and function of thyroid C cells in newborn rats. Beitr Patbol 147:341-51, 1972
ANIMAL EXPERIMENTS/ CALCIUM CHLORIDE/ EDTA/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HYPERCALCEMIA, pathology/ HYPOCALCEMIA, pathology/ MICROSCOPY, ELECTRON/ RATS/ *THYROID GLAND, cytology/ THYROID GLAND, pathology/ THYROID GLAND, physiology

654. **Chu JW, Kimura T:** Studies on adrenal steroid hydroxylases. Molecular and catalytic properties of adrenodoxin reductase (a flavoprotein). J Biol Chem 248:2089-94, 25 Mar 73
*ADRENAL GLANDS, enzymology/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOCHROME REDUCTASES, antagonists & inhibitors/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FAD, analysis/ FERREDOXINS/ FLUORESCENCE SPECTROMETRY/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ MATHEMATICS/ MOLECULAR WEIGHT/ NADH, NADPH OXIDOREDUCTASES/ NADH, NADPH OXIDOREDUCTASES, analysis/ NADP/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES/ OXYGEN/ POTENTIOMETRY/ SODIUM DODECYL SULFATE/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROID HYDROXYLASES

655. **Chung A, Birnbaum SJ:** Ovarian cancer associated witb pregnancy. Obstet Gynecol 41:211-4, Feb 73
ABORTION, occurrence/ *ADENOCARCINOMA, occurrence/ ADNEXA UTERI, surgery/ ADOLESCENCE/ ADULT/ *CYSTADENOMA, MUCINOUS, pbysiology/ *CYSTADENOMA, PAPILLARY, occurrence/ *DISGERMINOMA, occurrence/ FALLOPIAN TUBES, surgery/ FEMALE/ *GRANULOSA CELL TUMOR, occurrence/ HUMAN/ HYSTERECTOMY/ NEW YORK CITY/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ OVARY, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS, occurrence/ PROGNOSIS/ RETROSPECTIVE STUDIES/ TIME FACTORS

656. **Chyliński J, Bielawski W:** O regulacji wydzielania insuliny. Pol Tyg Lek 28:30-2, 1 Jan 73 (33 ref.) (Pol)
ADENYL CYCLASE, metabolism/ ADMINISTRATION, ORAL/ ADRENERGIC BETA RECEPTOR BLOCKADERS, antagonists & inhibitors/ ALLOXAN/ AMINO ACIDS, administration & dosage/ BLOOD SUGAR/ GLUCOSE, administration & dosage/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, biosynthesis/ INSULIN, physiology/ *INSULIN, secretion/ INTESTINES, metabolism/ ISLANDS OF LANGERHANS, enzymology/ PANCREAS, blood supply/ PANCREOZYMIN, pharmacodynamics/ PROPRANOLOL/ REVIEW/ SECRETIN, pharmacodynamics/ SEROTONIN, physiology

657. **Chytil F, Toft D:** Corticoid binding component in rat brain. J Neurochem 19:2877-80, Dec 72

ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BRAIN, cytology/ *BRAIN, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ FEMALE/ *GLUCOCORTICOIDS, metabolism/ IN VITRO/ *MACROMOLECULAR SYSTEMS, metabolism/ PROTEIN BINDING/ RATS/ SERUM ALBUMIN, BOVINE, metabolism/ SUCROSE/ *TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM

658. **Cihák A, Veselý J:** Enhanced uridine kinase in rat liver following 5-azacytidine administration. In vivo characterization and properties of partially purified enzyme. J Biol Chem 248:1307-13, 25 Feb 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AZACYTIDINE, administration & dosage/ AZACYTIDINE, pharmacodynamics/ CELL-FREE SYSTEM/ *CYTIDINE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG STABILITY/ INJECTIONS, INTRAPERITONEAL/ *LIVER, enzymology/ MALE/ NUCLEOTIDASES, metabolism/ PHOSPHATASES, metabolism/ PHOSPHOTRANSFERASES, isolation & purification/ *PHOSPHOTRANSFERASES, metabolism/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ TIME FACTORS/ *TRIAZINES, pharmacodynamics/ URACIL NUCLEOTIDES/ URACIL NUCLEOTIDES, biosynthesis/ URIDINE/ URIDINE, pharmacodynamics

659. **Ciofalo F, Treece G:** Ouabain-induced myocardial catecholamine release: inhibition by propranolol. Res Commun Chem Pathol Pharmacol 5:73-9, Jan 73
ADRENAL GLANDS, analysis/ ADRENAL MEDULLA, analysis/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, metabolism/ DOGS/ *HEART, drug effects/ HEART RATE, drug effects/ MYOCARDIUM, analysis/ *MYOCARDIUM, metabolism/ OUABAIN, administration & dosage/ OUABAIN, antagonists & inhibitors/ OUABAIN, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ TIME FACTORS

660. **Cipriani E, Howard JE:** Some observations on the effect of hypercapnea on ricketic cartilage calcification. Johns Hopkins Med J 132:88-94, Feb 73
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, blood/ *CARTILAGE, physiopathology/ *HYPERCAPNIA/ PHOSPHATES, metabolism/ PHOSPHORUS, blood/ RATS/ *RICKETS, physiopathology

661. **Cipullo JP, Korn D, Bogossian M, et al:** Estudo da função renal, índice justaglomerular e atividade da renina plasmática em cães nefrectomizados unilateralmente.
Rev Assoc Med Bras 18:453-6, Nov 72 (Por)
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ GLOMERULAR FILTRATION RATE/ *JUXTAGLOMERULAR APPARATUS, physiology/ *KIDNEY, physiology/ KIDNEY, secretion/ KIDNEY FUNCTION TESTS/ MALE/ *NEPHRECTOMY/ *RENIN, secretion

662. **Cittadini A, Scarpa A, Chance B:** Calcium transport in intact Ehrlich ascites tumor cells.
Biochim Biophys Acta 291:246-59, 2 Jan 73
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM CHLORIDE, pharmacodynamics/ *CARCINOMA, EHRLICH TUMOR, metabolism/ CARCINOMA, EHRLICH TUMOR, pathology/ CELL MEMBRANE, metabolism/ CYTOSOL, metabolism/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MANGANESE, metabolism/ MATHEMATICS/ MICE/ MICE, INBRED ICR/ MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION, drug effects/ POLAROGRAPHY/ RUTHENIUM, pharmacodynamics/ STRONTIUM, metabolism

663. **Ciabaut M:** Effets de la biovariectomie sur la jonction embryo-maternelle chez la ratte gestante avant le relais placentaire.
Ann Endocrinol (Paris) 33:221-30, May-Jun 72 (Fre)
*ABORTION/ ANIMAL EXPERIMENTS/ *CASTRATION/ *EMBRYO/ ENGLISH ABSTRACT/ FEMALE/ NIDATION/ *OVARY, physiology/ OVARY, secretion/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ TIME FACTORS/ *UTERUS, blood supply

664. **Ciabaut M:** Effets de la biovariectomie sur l'activité électrique du myomètre chez la ratte gestante.
J Physiol (Paris) 65:Suppl:219A-220, Oct 72 (Fre)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CASTRATION/ FEMALE/ OVARY/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *UTERUS, physiology

665. **Claireaux AE, Keeling JW:** Teratomas in children.
Arch Dis Child 48:159-60, Feb 73
CHILD/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ OVARIAN NEOPLASMS/ SACROCOCCYGEAL REGION/ *TERATOID TUMOR/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS

666. **Clark AF, Caiandra RS, Bird CE:** Kinetics of [3H]-testosterone metabolism in normal young men: effects of medroxyprogesterone acetate (provera) administration. J Steroid Biochem 3:837-42, Sep 72
ADULT/ BLOOD PROTEINS, metabolism/ DEPRESSION, CHEMICAL/ HUMAN/ KINETICS/ MALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ METABOLIC CLEARANCE RATE, drug effects/ PROTEIN BINDING/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TIME FACTORS

667. **Clark AG, Jović R, Ornellas MR, et al:** Brain microsomal protein kinase in the chronically morphinized rat.
Biochem Pharmacol 21:1989-90, 15 Jul 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, enzymology/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS, enzymology/ FEMALE/ MALE/ *MICROSOMES, enzymology/ *MORPHINE, pharmacodynamics/ MORPHINE ADDICTION, enzymology/ *PHOSPHOTRANSFERASES, analysis/ PROTEINS/ RATS

668. **Clark DD, Ricker JH, MacCollum MS:** The efficacy of local steroid injection in the treatment of stenosing tenovaginitis. Plast Reconstr Surg 51:179-80, Feb 73
*ADRENAL CORTEX HORMONES, administration & dosage/ ADULT/ CORTISONE, administration & dosage/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INJECTIONS/ MALE/ PREDNISOLONE, administration & dosage/ *TENOSYNOVITIS, drug therapy/ TRIAMCINOLONE, administration & dosage

669. **Clark JF, Morris HP, Weber G:** Cyclic adenosine 3',5'-monophosphate phosphodiesterase activity in normal, differentiating, regenerating, and neoplastic liver. Cancer Res 33:356-61, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ HEPATECTOMY/ *HEPATOMA, enzymology/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES, metabolism/ KINETICS/ *LIVER, enzymology/ *LIVER NEOPLASMS, enzymology/ *LIVER REGENERATION/ MALE/ NEOPLASMS, EXPERIMENTAL, enzymology/ *PHOSPHODIESTERASES, metabolism/ RATS/ RATS, INBRED ACI

670. **Clark JH, Campbell PS, Peck EJ Jr:** Receptor-estrogen complex in the nuclear fraction of the pituitary and hypothalamus of male and female immature rats.
Neuroendocrinology 10:218-28, 1972
ANIMAL EXPERIMENTS/ BINDING SITES/

CELL NUCLEUS/ *ESTRADIOL, metabolism/ FEMALE/ *HYPOTHALAMUS, metabolism/ MALE/ NEURONS, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ SEX FACTORS/ TESTOSTERONE, metabolism/ TRITIUM

671. **Clark JR, Dailey RA, First NL, et al:** Effect of feed level and parity on ovulation rate in three genetic groups of swine. J Anim Sci 35:1216-22, Dec 72
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ BREEDING/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ FOOD DEPRIVATION/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, growth & development/ ORGAN WEIGHT/ *OVULATION/ *PARITY/ PITUITARY GLAND, anatomy & histology/ PREGNANCY/ *SWINE, physiology

672. **Clark RE:** Roentgen evaluation of Wilms' tumor. CRC Crit Rev Radiol Sci 3:543-76, Dec 72 (112 ref.)
ABNORMALITIES, MULTIPLE, complications/ ADRENAL GLAND DISEASES, complications/ ANGIOGRAPHY/ AORTA, ABDOMINAL, radiography/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, radiography/ KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, pathology/ *KIDNEY NEOPLASMS, radiography/ LYMPHOGRAPHY/ MALE/ NEOPLASM METASTASIS, radiography/ NEPHROBLASTOMA, complications/ NEPHROBLASTOMA, pathology/ *NEPHROBLASTOMA, radiography/ PHLEBOGRAPHY/ RENAL ARTERY, radiography/ REVIEW/ SYNDROME/ TONGUE, abnormalities/ UROGRAPHY/ VENA CAVA, INFERIOR, radiography

673. **Clarke DE, Smookler HH, Hadinata J, et al:** Acute effects of 6-hydroxyDOPA and its interaction with DOPA on brain amine levels.
Life Sci [I] 11:97-102, 1 Feb 72
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ DOPAMINE, analysis/ DRUG INTERACTIONS/ DRUG SYNERGISM/ INJECTIONS, INTRAPERITONEAL/ MALE/ MICE/ MICE, INBRED STRAINS/ NOREPINEPHRINE, analysis/ SEROTONIN, analysis

674. **Clarke JR, Frearson S:** Sebaceous glands on the hindquarters of the vole, Microtus agrestis.
J Reprod Fertil 31:477-81, Dec 72
ANIMAL EXPERIMENTS/ BIOPSY/ CASTRATION/ FEMALE/ HAIR/ MALE/ *RODENTS, anatomy & histology/ SEASONS/ *SEBACEOUS GLANDS/ SEBACEOUS GLANDS, drug effects/ STAINS AND STAINING/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

675. **Clarkson AR, Robson JS:** The effect of drugs on immunological renal disease.
Prog Biochem Pharmacol 7:427-51, 1972 (104 ref.)
*ADRENAL CORTEX HORMONES/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, therapeutic use/ CHLORAMBUCIL/ CYCLOPHOSPHAMIDE, therapeutic use/ *GLOMERULONEPHRITIS/ GLOMERULONEPHRITIS, classification/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, immunology/ HEMOLYTIC-UREMIC SYNDROME, drug therapy/ HEPARIN, therapeutic use/ HUMAN/ IMMUNITY/ IMMUNOSUPPRESSION/ INDOMETHACIN, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC/ MALARIA/ REVIEW

676. **Clarkson EM, Luck VA, Hynson WV, et al:** The effect of aluminium hydroxide on calcium, phosphorus and aluminium balances, the serum parathyroid hormone concentration and the aluminium content of bone in patients with chronic renal failure.
Clin Sci 43:519-31, Oct 72
ADOLESCENCE/ ADULT/ ALUMINUM, analysis/ *ALUMINUM, metabolism/ *ALUMINUM HYDROXIDE GEL, pharmacodynamics/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ FECES, metabolism/ FEMALE/ HUMAN/ ILIUM, metabolism/ INTESTINAL ABSORPTION/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism

677. **Clavadetscher P, Weber H:** Klinische Nebenwirkungen und biochemische Veränderungen unter Ovulationshemmern.
Schweiz Med Wochenschr 103:231-7, 17 Feb 73 **(Ger)**
ADOLESCENCE/ ADULT/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ CERULOPLASMIN, analysis/ CHOLECYSTITIS, chemically induced/ CHOLELITHIASIS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ *ENZYME TESTS/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ JAUNDICE, chemically induced/ LIVER, enzymology/ LIVER FUNCTION TESTS/ MIDDLE AGE/ *PROGESTATIONAL HORMONES, adverse effects

678. **Claybaugh JR, Share L:** Vasopressin, renin, and cardiovascular responses to continuous slow hemorrhage. Am J Physiol 224:519-23, Mar 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ *BLOOD VOLUME/ BLOODLETTING/ DOGS/ HEART ATRIUM, physiology/ *HEMORRHAGE, physiopathology/ MALE/ PULSE/ *RENIN, blood/ TIME FACTORS/ *VASOPRESSIN, blood

679. **Clemens MJ, Tata JR:** An analysis of the effects of oestrogen treatment in vivo on the protein-synthetic activity of male Xenopus liver cell-free systems.
Eur J Biochem 33:71-80, 15 Feb 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ *EGG PROTEINS, biosynthesis/ EGG YOLK/ *ESTRADIOL, pharmacodynamics/ IN VITRO/ LIVER/ MALE/ PHOSPHOPROTEINS, biosynthesis/ POLY U/ *RIBOSOMES, metabolism/ RNA, MESSENGER/ RNA, TRANSFER/ SERINE, metabolism/ TRANSLATION, GENETIC/ XENOPUS

680. **Clermont Y, Antar M:** Duration of the cycle of the seminiferous epithelium and the spermatogonial renewal in the monkey Macaca arctoides.
Am J Anat 136:153-65, Feb 73
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS/ *MACACA, physiology/ MALE/ MITOSIS/ PERIODICITY/ *SPERMATOGENESIS/ *TESTIS, cytology/ TIME FACTORS

681. **Clezy TM, Foy BN, Hodge RL, et al:** Oral contraceptives and hypertension. An epidemiological survey.
Br Heart J 34:1238-43, Dec 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, familial & genetic/ HYPERTENSION, occurrence/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PROSPECTIVE STUDIES

682. **Clos J:** Etude histochimique et biochimique des effets de la déficience thyroïdienne et de la thyroxine sur le développement de l'activité cholinestérasique dans le cervelet du jeune rat.
C R Acad Sci [D] (Paris) 275:2917-20, 18 Dec 72 **(Fre)**
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CEREBELLUM, drug effects/ *CEREBELLUM, enzymology/ *CHOLINESTERASE, metabolism/

HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, enzymology/ PROPYLTHIOURACIL/ PURKINJE CELLS, enzymology/ RATS/ *THYROXINE, pharmacodynamics

683. **Coalson JA, Maxwell CV, Hillier JC, et al:** Calcium and phosphorus requirements of young pigs reared under controlled environmental conditions.
J Anim Sci 35:1194-200, Dec 72
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, DIETARY, metabolism/ DIET/ *ENVIRONMENT, CONTROLLED/ KIDNEY, analysis/ LIVER, analysis/ MYOCARDIUM, analysis/ NUTRITIONAL REQUIREMENTS/ ORGAN WEIGHT/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ RHINITIS, ATROPHIC, occurrence/ RHINITIS, ATROPHIC, veterinary/ SPECIFIC GRAVITY/ *SWINE, metabolism/ SWINE DISEASES, occurrence

684. **Cobo E:** Effect of different doses of ethanol on the milk-ejecting reflex in lactating women.
Am J Obstet Gynecol 115:817-21, 15 Mar 73
*ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, blood/ FEMALE/ HUMAN/ *LACTATION, drug effects/ OXYTOCIN, pharmacodynamics/ OXYTOCIN, physiology/ PREGNANCY/ REFLEX, drug effects/ UTERUS, physiology

685. **Cocchi R, Rossi R:** Attualità dell'asma bronchiale nell'infanzia. Considerazioni clinico terapeutiche su 552 casi esaminati nel periodo 1966-1971.
Minerva Pediatr 25:6-32, 14 Jan 73 **(Ita)**
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ ANTIBIOTICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ *ASTHMA/ ASTHMA, classification/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ ASTHMA, etiology/ ASTHMA, occurrence/ CHILD/ CHILD, PRESCHOOL/ DESENSITIZATION/ DIAGNOSIS, LABORATORY/ ENGLISH ABSTRACT/ GAMMA GLOBULIN, therapeutic use/ HOSPITAL OUTPATIENT CLINICS/ HOSPITALIZATION/ INFANT/ ITALY/ SKIN TESTS/ SPIROMETRY/ VACCINE THERAPY

686. **Cockett AT:** What's new in surgery. Urology.
Surg Gynecol Obstet 136:219-20, Feb 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIABETES MELLITUS, metabolism/ DIETHYLSTILBESTROL/ GRAFT REJECTION/ HAMSTERS/ HUMAN/ INSULIN, physiology/ KIDNEY, drug effects/ KIDNEY, transplantation/ LYMPHOCYTE TRANSFORMATION/ LYSOSOMES, drug effects/ LYSOSOMES, enzymology/ METHYLPREDNISOLONE, pharmacodynamics/ NITROFURANS/ ONCOGENIC VIRUSES, isolation & purification/ RATS/ TESTIS, drug effects/ TESTOSTERONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ URINARY CALCULI, therapy/ *UROGENITAL NEOPLASMS/ UROGENITAL NEOPLASMS, chemically induced/ UROGENITAL NEOPLASMS, immunology/ VASCULAR RESISTANCE, drug effects

687. **Codaccioni JL, Boyer J, Jubelin J, et al:** Alcalose hypokaliémique avec hyperplasie de l'appareil juxta-glomérulaire: syndrome de Bartter.
Ann Endocrinol (Paris) 33:281-4, May-Jun 72 **(Fre)**
ADULT/ ALDOSTERONE, urine/ ALKALOSIS/ ANGIOTENSIN, pharmacodynamics/ ANOREXIA NERVOSA/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ CASE REPORT/ CATHETERIZATION/ CHLORIDES, blood/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM/ HYPERPLASIA/ HYPERTROPHY/ *HYPOKALEMIA/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY DISEASES/ POTASSIUM, blood/ POTASSIUM, urine/ RENAL VEINS/ RENIN, blood/ SODIUM, blood/ SODIUM, urine

688. **Codaccioni JL, Boyer J:** Indications, possibilités et limites de la cortico-stimulation en pratique courante.
Rev Prat 22:Suppl:84-6, 25 Nov 72 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLAND HYPOFUNCTION, drug therapy/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, secretion/ DELAYED-ACTION PREPARATIONS/ HYDROCORTISONE, secretion/ HYDROXYSTEROIDS, urine/ INJECTIONS, INTRAMUSCULAR/ *PEPTIDES, administration & dosage/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM, drug effects/ STIMULATION, CHEMICAL

689. **Coelingh JP, Monfoort CH, Rozijn TH, et al:** The complete amino acid sequence of the basic nuclear protein of bull spermatozoa.
Biochim Biophys Acta 285:1-14, 28 Nov 72
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CARBOXYPEPTIDASES/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANATES/ GEL FILTRATION/ *HISTONES, analysis/ IMINES/ MALE/ MERCAPTOETHANOL/ METHYLATION/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *SPERMATOZOA, analysis/ SUCCINIMIDES/ THERMOLYSIN/ THIOCYANATES

690. **Cohen A, Heller H, Kulka RG:** The effect of hydrocortisone on exportable enzyme accumulation in the differentiating chick pancreas.
Dev Biol 29:293-306, Nov 72
AMYLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBOXYPEPTIDASES, metabolism/ CELL DIFFERENTIATION/ *CHICK EMBRYO, enzymology/ CHYMOTRYPSIN, metabolism/ ENDONUCLEASES, metabolism/ ENDOPLASMIC RETICULUM/ *HYDROCORTISONE, pharmacodynamics/ PANCREAS, cytology/ *PANCREAS, embryology/ PANCREAS, enzymology/ STIMULATION, CHEMICAL

691. **Cohen C:** Geriatric practice. Br Med J 4:489, 25 Nov 72
AGED/ *GERIATRICS/ HOSPITALIZATION/ HUMAN/ STEROIDS, adverse effects

692. **Cohen DH:** [Fetal follow up and placental function]
Harefuah 83:208-10, 15 Sep 72 **(Heb)**
FEMALE/ *FETAL DISEASES, physiopathology/ HUMAN/ *PLACENTA, physiopathology/ PREGNANCY

693. **Cohen P:** Activation and phosphorylation of the subunits of phosphorylase kinase.
Biochem J 130:5P-6P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENYL CYCLASE/ CALCIUM/ ENZYME ACTIVATION/ EPINEPHRINE/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM/ MOLECULAR WEIGHT/ PHOSPHATES, metabolism/ *PHOSPHORYLASE KINASE/ RABBITS

694. **Cohn AM:** Concepts in management of burns of the respiratory tract. South Med J 66:297-301, Mar 73
ADOLESCENCE/ ADULT/ AGED/ AMINOPHYLLINE, therapeutic use/ AMPICILLIN, therapeutic use/ BURNS, INHALATION, complications/ BURNS, INHALATION, drug therapy/ BURNS, INHALATION, mortality/ *BURNS, INHALATION, therapy/ CHILD/ CHILD, PRESCHOOL/ DEXAMETHASONE, therapeutic use/ DIAZEPAM, therapeutic use/ DIPHENHYDRAMINE, therapeutic use/ HUMAN/ INFANT/ INFUSIONS, PARENTERAL/ MIDDLE AGE/ OXYGEN INHALATION THERAPY/ PNEUMONIA, etiology/ PULMONARY EDEMA, etiology/ RESPIRATORS/ RESPIRATORY

INSUFFICIENCY, etiology/ TRACHEOTOMY/ UREMIA, etiology

695. **Cohn RE, Haeberle WA, Abdolian J:** Elevated creatinephosphokinase in myxedema.
Pa Med 76:54-5, Feb 73
*CREATINE KINASE, analysis/ MUSCLES, enzymology/ *MYXEDEMA, enzymology

696. **Cohn SH, Roginsky MS, Aloia JF, et al:** Alterations in skeletal calcium and phosphorus in dysfunction of the parathyroids. J Clin Endocrinol Metab 36:750-5, Apr 73
ACTIVATION ANALYSIS/ ADULT/ AGED/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, metabolism/ *HYPOPARATHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ *PHOSPHORUS, metabolism

697. **Cohn SH, Roginsky MS, Aloia JF, et al:** Alteration in elemental body composition in thyroid disorders.
J Clin Endocrinol Metab 36:742-9, Apr 73
ACTIVATION ANALYSIS/ ADULT/ AGED/ *BODY COMPOSITION/ CALCIUM, analysis/ CHLORIDES, analysis/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ NITROGEN, analysis/ PHOSPHORUS, analysis/ POTASSIUM, analysis/ SODIUM, analysis

698. **Colalanne JJ, Beli AE:** The relative influence of sex of progeny on the lethal expression of the sonless gene in Drosophila melanogaster. Genetics 72:293-6, Oct 72
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ FEMALE/ *GENES, LETHAL/ GENOTYPE/ LINKAGE (GENETICS)/ MALE/ MUTATION/ SEX CHROMOSOMES/ SEX FACTORS

699. **Cole HH:** Influence of the frequency and route of injection of HCG and FSH antisera on their gonadotropic and progonadotropic responses.
Proc Soc Exp Biol Med 142:390-4, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ *FSH/ FSH, administration & dosage/ FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC/ *GONADS, drug effects/ HORSES, immunology/ HYPOPHYSECTOMY/ *IMMUNE SERUMS, administration & dosage/ IMMUNE SERUMS, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LH, administration & dosage/ LH, pharmacodynamics/ MALE/ ORGAN WEIGHT/ OVARY, drug effects/ PROSTATE, drug effects/ RATS/ SHEEP, immunology

700. **Cole HS:** Carbohydrate metabolism in children: (1) blood sugar, serum insulin, and growth hormone during oral glucose tolerance tests; (2) blood sugar during the cortisone glucose tolerance test.
Metabolism 22:289-93, Feb 73
AGE FACTORS/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ *CORTISONE, diagnostic use/ FEMALE/ *GLUCOSE TOLERANCE TEST, standards/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INSULIN, blood/ MALE/ SEX FACTORS/ *SOMATOTROPIN, blood/ TIME FACTORS

701. **Cole SO:** Hypothalamic feeding mechanisms and amphetamine anorexia.
Psychol Bull 79:13-20, Jan 73 (90 ref.)
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ APPETITE DISORDERS, chemically induced/ APPETITE REGULATION/ BRAIN CHEMISTRY, drug effects/ BRAIN STEM, drug effects/ CATS/ CEREBRAL CORTEX, drug effects/ DEPRESSION, CHEMICAL/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ REVIEW/ SATIATION, drug effects/ STIMULATION, CHEMICAL

702. **Coleman R, Phillips AD:** Ultimobranchial gland ultrastructure of larval axolotls, Ambystoma mexicanum Shaw, with some observations on the newt, Pleurodeles waltlii Micahelles.
Z Zellforsch Mikrosk Anat 134:183-92, 1972
*AMBYSTOMA, anatomy & histology/ ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ FEMALE/ GOLGI APPARATUS/ LARVA/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MUCUS/ *SALAMANDERS, anatomy & histology/ SPECIES SPECIFICITY/ THYROCALCITONIN, secretion/ *ULTIMOBRANCHIAL BODY, cytology/ ULTIMOBRANCHIAL BODY, secretion

703. **Coleman TG, Manning RD Jr, Norman RA Jr, et al:** The role of salt in experimental and human hypertension.
Am J Med Sci 264:103-10, Aug 72
ADULT/ ANIMAL EXPERIMENTS/ ARTERIES/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT/ DEHYDRATION, physiopathology/ DIURESIS/ DOGS/ FEMALE/ HEART RATE/ HOMEOSTASIS/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, physiopathology/ KIDNEY, physiology/ NATRIURESIS/ NEPHRECTOMY/ RATS/ RENIN, blood/ SODIUM CHLORIDE, administration & dosage/ *SODIUM CHLORIDE, adverse effects/ SODIUM CHLORIDE, pharmacodynamics/ VASCULAR RESISTANCE/ WATER-ELECTROLYTE BALANCE

704. **Coliard M, Coliard P:** Etude micro-angiographique de l'ischémie céphalique fémorale.
J Radiol Electrol Med Nucl 53:797-808, Nov 72 **(Fre)**
AGE FACTORS/ AGED/ ARTERIOSCLEROSIS, complications/ ENGLISH ABSTRACT/ EPIPHYSES, blood supply/ FEMALE/ *FEMUR HEAD, blood supply/ FEMUR HEAD, pathology/ FEMUR HEAD, radiography/ FEMUR HEAD NECROSIS, pathology/ *FEMUR HEAD NECROSIS, radiography/ HUMAN/ ISCHEMIA, radiography/ MALE/ METHODS/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography

705. **Collins EJ, Aschenbrenner J, Nakahama M:** Biologic action of betamethasone 17,21-dipropionate in rat and dog. Steroids 20:543-54, Nov 72
ACETIC ACIDS, pharmacodynamics/ ADMINISTRATION, ORAL/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ADRENALECTOMY, mortality/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, pharmacodynamics/ DOGS/ *EOSINOPHILS, drug effects/ EXUDATES AND TRANSUDATES, drug effects/ FEMALE/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ ORGAN WEIGHT/ PREDNISOLONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ THYMUS GLAND, anatomy & histology/ THYMUS GLAND, drug effects/ TIME FACTORS

706. **Colton DG, Tate RL, Mehlman MA, et al:** Spectrophotometric assay for diphenylthiohydantoin in biological materials. Anal Biochem 51:247-54, Jan 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *DIPHENYLHYDANTOIN, analysis/ DIPHENYLHYDANTOIN, blood/ DIPHENYLHYDANTOIN, metabolism/ HYDROGEN-ION CONCENTRATION/ LIVER, analysis/ LIVER, metabolism/ LUNG, metabolism/ METHODS/ MYOCARDIUM, metabolism/ RATS/ SODIUM HYDROXIDE/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPLEEN, metabolism/ SULFIDES, blood/ SULFIDES, metabolism/ TESTIS, metabolism/ THIOHYDANTOINS, analysis/ XYLENE

707. **Compher MK Jr, Dent J:** Effects of hypothalamic extirpations on thyroidal and intermedinal activity in the red spotted newt.

Gen Comp Endocrinol 20:29-40, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ *HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ NEUROSECRETORY SYSTEMS, physiology/ PITUITARY GLAND, physiology/ *SALAMANDERS, physiology/ SKIN, physiology/ *THYROID GLAND, physiology/ THYROTROPIN RELEASING FACTOR, secretion

708. **Conde Olasagasti J, Ortuño Mirete J, Botella Garciá J:** Tratamiento de la nefropatia lúpica.
Rev Clin Esp 128:63-70, 15 Jan 73 (Spa)
ADOLESCENCE/ ADULT/ AGED/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ *NEPHRITIS, drug therapy/ NEPHRITIS, etiology/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use

709. **Coniglio L, Clemens LG:** Stimulus and experiential factors controlling mounting behavior in the female rat. Physiol Behav 9:263-7, Aug 72
ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *LIMBIC SYSTEM, physiology/ MOVEMENT/ OLFACTORY BULB, physiology/ PROGESTERONE, pharmacodynamics/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *SMELL/ SPECIES SPECIFICITY/ TESTOSTERONE, pharmacodynamics

710. **Conklin PM, Schindler WJ, Hull SF:** Hypothalamic thyrotropin releasing factor. Activity and pituitary responsiveness during development in the rat.
Neuroendocrinology 11:197-211, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ COMPUTERS/ FEMALE/ *FETUS/ *HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ PITUITARY GLAND, growth & development/ *PITUITARY GLAND, secretion/ PREGNANCY/ RATS/ THYROID GLAND, growth & development/ THYROID GLAND, physiology/ *THYROTROPIN RELEASING FACTOR, secretion

711. **Conn JW, Bookstein JJ, Cohen EL:** Renin-secreting juxtaglomerular-cell adenoma. Preoperative clinical and angiographic diagnosis.
Radiology 106:543-4, Mar 73
*ADENOMA, radiography/ ADOLESCENCE/ ALDOSTERONE, blood/ ANGIOGRAPHY/ CASE REPORT/ HUMAN/ HYPERTENSION, etiology/ KIDNEY NEOPLASMS, metabolism/ *KIDNEY NEOPLASMS, radiography/ MALE/ RADIOGRAPHIC MAGNIFICATION/ *RENAL ARTERY, radiography/ RENIN, blood

712. **Conn JW, Cohen EL, McDonald WJ, et al:** The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism).
Trans Am Assoc Genitourin Surg 64:47-53, 1972
ADOLESCENCE/ ALDOSTERONE, urine/ ANGIOGRAPHY/ ANGIOTENSIN, analysis/ ANGIOTENSIN, blood/ CIRCADIAN RHYTHM/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, RENAL, etiology/ HYPOKALEMIA, etiology/ *JUXTAGLOMERULAR APPARATUS/ JUXTAGLOMERULAR APPARATUS, pathology/ *KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, immunology/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, radiography/ KIDNEY NEOPLASMS, surgery/ MALE/ NEPHRECTOMY/ RADIOIMMUNOASSAY/ *RENIN, blood/ SYNDROME

713. **Conner EA, Miller JW:** Factors affecting the production and accumulation of uterine luminal fluid in the rat.
J Pharmacol Exp Ther 184:285-90, Jan 73
ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ BODY FLUIDS, drug effects/ *BODY FLUIDS, metabolism/ BODY FLUIDS, physiology/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUGS, analysis/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ ESTROGENS, administration & dosage/ ESTRONE, pharmacodynamics/ FEMALE/ HYPERTROPHY, metabolism/ IN VITRO/ ORGAN WEIGHT/ OVARY, physiology/ PITUITARY GLAND, physiology/ PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, metabolism, UTERUS, physiology

714. **Conner EA, Miller JW:** The distribution of selected substances into rat uterine luminal fluid.
J Pharmacol Exp Ther 184:291-8, Jan 73
AMINOBUTYRIC ACID, analysis/ AMMONIUM COMPOUNDS, analysis/ ANIMAL EXPERIMENTS/ ANTIPYRINE, analysis/ BARBITURATES, analysis/ BLOOD PROTEINS, metabolism/ *BODY FLUIDS, analysis/ BODY FLUIDS, metabolism/ CARBON ISOTOPES/ CASTRATION/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INULIN, analysis/ MUSCLES, analysis/ OUABAIN, analysis/ OVARY, physiology/ OXAZOLES, analysis/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM/ *UTERUS, analysis/ UTERUS, metabolism

715. **Convit J, Kerdel F, Golhman M, et al:** Progressive atrophying, chronic granulomatous dermohypodermitis. Autoimmune disease?
Arch Dermatol 107:271-4, Feb 73
ADULT/ ATROPHY, etiology/ *AUTOIMMUNE DISEASES/ AXILLA, pathology/ AZATHIOPRINE, therapeutic use/ *BCG VACCINATION, adverse effects/ CHRONIC DISEASE/ CUTIS LAXA, drug therapy/ CUTIS LAXA, etiology/ DEXAMETHASONE, therapeutic use/ DIARRHEA, drug therapy/ GRANULOMA, drug therapy/ *GRANULOMA, etiology/ GRANULOMA, pathology/ HODGKIN'S DISEASE, pathology/ HUMAN/ *LEPROMIN, adverse effects/ LYMPH NODES pathology/ MALE/ PREDNISONE, therapeutic use/ SKIN DISEASES, drug therapy/ *SKIN DISEASES, etiology/ SKIN DISEASES, pathology

716. **Cook DM, Allen JP, Kendall JW, et al:** Interference of 21-deoxycortisol with cortisol assay methods.
J Clin Endocrinol Metab 36:608-10, Mar 73
*ADRENOGENITAL SYNDROME, blood/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PHENYLHYDRAZINE/ STEROID HYDROXYLASES

717. **Cook JA, Sturrock RF, Barnish G:** An allergic skin reaction to a new formulation of the molluscicide clonitralide (Bayluscide).
Trans R Soc Trop Med Hyg 66:954-5, 1972
ADULT/ COMMUNICABLE DISEASE CONTROL/ *DRUG HYPERSENSITIVITY/ ENVIRONMENTAL EXPOSURE/ ETHANOLAMINES, adverse effects/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ *MOLLUSCACIDES, adverse effects/ PRURITUS, chemically induced/ PRURITUS, drug therapy/ *YOMESAN, adverse effects

718. **Cooke JD, Quastel DM:** The specific effect of potassium on transmitter release by motor nerve terminals and its inhibition by calcium.
J Physiol (Lond) 228:435-58, Jan 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ CHLORAL HYDRATE,

pharmacodynamics/ DIAPHRAGM/ ELECTROPHYSIOLOGY/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ *NEURAL TRANSMISSION, drug effects/ *NEUROMUSCULAR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, physiology/ OSMOTIC PRESSURE/ OUABAIN, pharmacodynamics/ POTASSIUM, antagonists & inhibitors/ *POTASSIUM, pharmacodynamics/ RATS/ TIME FACTORS

719. **Cooke P:** Age-related variation in the number of secondary associations between acrocentric chromosomes in normal females and patients with Turner's syndrome. Humangenetik 17:29-35, 1972
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANALYSIS OF VARIANCE/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 13-15/ *CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE/ REGRESSION ANALYSIS/ *TURNER'S SYNDROME

720. **Cooke WT, Swan CH, Asquith P, et al:** Serum alkaline phosphatase and rickets in urban schoolchildren. Br Med J 1:324-7, 10 Feb 73
ADOLESCENCE/ *ALKALINE PHOSPHATASE, blood/ ASIA/ BODY HEIGHT/ BODY WEIGHT/ CALCIUM, blood/ CALCIUM, urine/ CAUCASIAN RACE/ FEMALE/ GREAT BRITAIN/ GROWTH/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ NEGROID RACE/ *RICKETS, enzymology/ RICKETS, radiography/ SERUM ALBUMIN/ SEX FACTORS/ URBAN POPULATION/ VITAMIN D, therapeutic use/ WEST INDIES

721. **Cooney DA, Milman HA:** A radiometric technique for measuring L-asparagine in picomole quantities. Biochem J 129:953-60, Oct 72
ANIMAL EXPERIMENTS/ ASPARAGINASE/ *ASPARAGINE, analysis/ ASPARAGINE, blood/ ASPARTIC ACID/ CARBON ISOTOPES/ GLUTAMATES/ GLUTARATES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICE/ MICROCHEMISTRY/ PITUITARY GLAND, analysis/ SUCCINIMIDES

722. **Cooper RR, Pedrini-Mille A, Ponseti IV:** Metaphyseal dysostosis: a rough surfaced endoplasmic reticulum storage defect. Lab Invest 28:119-25, Jan 73
BIOPSY/ BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, metabolism/ *BONE DISEASES, DEVELOPMENTAL, pathology/ CARTILAGE, analysis/ *CARTILAGE, pathology/ CETYLPYRIDINIUM/ CHILD/ CHONDROITIN, analysis/ COLLAGEN/ DWARFISM, pathology/ *ENDOPLASMIC RETICULUM/ ENDOPLASMIC RETICULUM, metabolism/ FEMALE/ HEXOSAMINES, analysis/ HUMAN/ HYDROXYPROLINE, analysis/ ILIUM, analysis/ *ILIUM, pathology/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, analysis/ OSTEOBLASTS, cytology/ OSTEOCYTES, cytology/ PROTEINS, metabolism/ ULNA, pathology

723. **Cooper TG, Waites GM:** Transport and transformation of steroids in the seminiferous tubules. J Reprod Fertil 31:506-7, Dec 72
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ MALE/ PROGESTATIONAL HORMONES, metabolism/ RATS/ *SEX HORMONES, metabolism/ *TESTIS, metabolism

724. **Cooper W, Coyle MG, Smith VK:** Rapid analysis of pregnanediol in pregnancy urine. J Clin Pathol 25:933-9, Nov 72
AUTOANALYSIS/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PREGNANEDIOL, urine

725. **Coover GD, Ursin H, Levine S:** Plasma-corticosterone levels during active-avoidance learning in rats. J Comp Physiol Psychol 82:170-4, Jan 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AROUSAL/ *AVOIDANCE LEARNING/ *CONDITIONING, CLASSICAL/ CONDITIONING, OPERANT/ *CORTICOSTERONE, blood/ ELECTROSHOCK/ EXTINCTION (PSYCHOLOGY)/ FEAR/ GROOMING/ MALE/ PITUITARY GLAND, physiology/ RATS

726. **Cordero A, Muhafra J:** Erfahrungen mit einem neuen Kortikoid-Spray. Z Haut Geschlechtskr 47:987-8, 15 Dec 72 **(Ger)**
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ ECZEMA, drug therapy/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, administration & dosage/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PRURITUS ANI, drug therapy/ TIME FACTORS

727. **Cordero GL, Gracia R, Nistal M, et al:** Hipotiroidismo y maduración testicular precoz. Presentación de un caso y revisión de la literatura. Rev Clin Esp 128:83-8, 15 Jan 73 **(Spa)**
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, complications/ INFANT/ MALE/ *PUBERTY, PRECOCIOUS, etiology

728. **Corelli F:** Buerger's disease: cigarette smoker disease may always be cured by medical therapy alone. Uselessness of operative treatment. J Cardiovasc Surg (Torino) 14:28-36, Jan-Feb 73
ADRENALECTOMY/ GANGRENE, etiology/ HUMAN/ MALARIA, immunology/ *SMOKING/ THROMBOANGIITIS OBLITERANS, etiology/ THROMBOANGIITIS OBLITERANS, immunology/ THROMBOANGIITIS OBLITERANS, surgery/ *THROMBOANGIITIS OBLITERANS, therapy

729. **Corey EJ, Kim CU:** Improved synthetic routes to prostaglandins utilizing sulfide-mediated oxidation of primary and secondary alcohols. J Org Chem 38:1233-4, 23 Mar 73
ALCOHOLS/ METHODS/ OXIDATION-REDUCTION/ PROSTAGLANDINS, chem synthesis/ SUCCINIMIDES/ SULFIDES

730. **Corey EJ, Washburn WN, Chen JC:** Studies on the prostaglandin A 2 synthetase complex from Plexaura homomalla. J Am Chem Soc 95:2054-5, 21 Mar 73
*COELENTERATA, enzymology/ *MULTIENZYME COMPLEXES/ *OXYGENASES/ *PROSTAGLANDINS, biosynthesis

731. **Cornet F, Pedrazzini S:** Formildienolone. Boll Chim Farm 111:645-8, Nov 72 **(Ita)**
*ANABOLIC STEROIDS, analysis/ *ANDROSTENES, analysis/ CHEMISTRY, PHARMACEUTICAL/ CHROMATOGRAPHY/ FORMIC ACIDS, analysis/ HYDROXYSTEROIDS, analysis/ KETOSTEROIDS, analysis/ SPECTROPHOTOMETRY

732. **Cornette JC, Kirton KT, Barr KL, et al:** Radioimmunoassay of prostaglandins. J Reprod Med 9:355-60, Dec 72
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY SPECIFICITY/ ANTIGENS/ BINDING SITES, ANTIBODY/ CROSS REACTIONS/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MACACA/ MONKEYS/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROSTAGLANDINS, blood/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

733. **Cornu F:** Katamnesen bei kastrierten Sittlichkeitsdelinquenten aus forensisch-psychiatrischer Sicht. Bibl Psychiatr 149:1-132, 1973 **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ ALCOHOL DRINKING/ *CASTRATION/ CRIMINAL PSYCHOLOGY/ DIAGNOSIS, DIFFERENTIAL/ EMPLOYMENT/ FAMILY/ *FORENSIC PSYCHIATRY/ HUMAN/ LEGISLATION/

MALE/ MIDDLE AGE/ OCCUPATIONS/ OSTEOPOROSIS, occurrence/ PERSONALITY DISORDERS, diagnosis/ SEX DEVIATION, classification/ SEX DEVIATION, diagnosis/ SEX DEVIATION, therapy/ *SEX OFFENSES/ SWITZERLAND

734. Cornut G: Hormonothérapie et voix.
J Fr Otorhinolaryngol 21:691-2 passim, Oct 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ *ANABOLIC STEROIDS, adverse effects/ ANABOLIC STEROIDS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ CHILD/ FEMALE/ *GYNECOLOGIC DISEASES, drug therapy/ HUMAN/ LARYNX, drug effects/ MIDDLE AGE/ *TESTOSTERONE, adverse effects/ TESTOSTERONE, therapeutic use/ TIME FACTORS/ *VIRILISM, chemically induced/ *VOICE, drug effects

735. Corrodi H, Farnebo LO, Fuxe K, et al: ET495 and brain catecholamine mechanisms: evidence for stimulation of dopamine receptors.
Eur J Pharmacol 20:195-204, Nov 72
ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ BENZYL COMPOUNDS, administration & dosage/ BENZYL COMPOUNDS, pharmacodynamics/ *BRAIN, drug effects/ BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DIENCEPHALON, drug effects/ DIOXOLES, administration & dosage/ DIOXOLES, pharmacodynamics/ *DOPAMINE, metabolism/ FLUORESCENCE/ HINDLIMB, drug effects/ IN VITRO/ IRIS, drug effects/ IRIS, metabolism/ METHYLTYROSINES, pharmacodynamics/ NIALAMIDE, pharmacodynamics/ PIPERAZINES, administration & dosage/ *PIPERAZINES, pharmacodynamics/ PYRIMIDINES, administration & dosage/ *PYRIMIDINES, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ REFLEX, drug effects/ SEROTONIN, metabolism/ TELENCEPHALON, drug effects/ TRITIUM

736. Corvaglia E: L'ipoparatiroidismo cronico idiopatico familiare nell'infanzia. Descrizione di due casi inquadrabili nella sindrome di Whitaker.
Minerva Pediatr 25:104-19, 4 Feb 73 (Ita)
*ADRENAL GLAND HYPOFUNCTION/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOPARATHYROIDISM, complications/ *HYPOPARATHYROIDISM, familial & genetic/ HYPOPARATHYROIDISM, metabolism/ MALE/ *MONILIASIS/ PHOSPHORUS, metabolism/ SYNDROME

737. Corvol P, Ménard J, Auzan C, et al: Réalisation et application du dosage radioimmunologique de l'aldostérone et de l'activité rénine plasmatique.
Ann Endocrinol (Paris) 33:285-6, May-Jun 72 (Fre)
*ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, blood/ METHODS/ NEPHRECTOMY/ POSTURE/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ *RENIN, blood

738. Coskey RJ, Bryan HG: Evaluation of fluocinonide cream.
Micb Med 72:45-6, Jan 73
ACETIC ACIDS, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ *DERMATITIS, drug therapy/ DOSAGE FORMS/ EVALUATION STUDIES/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN

739. Costa E, Revuelta A: Norfenfluramine and serotonin turnover rate in the rat brain.
Biochem Pharmacol 21:2385-93, 1 Sep 72
AMINES, analysis/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BODY TEMPERATURE, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ BRAIN STEM, analysis/ CARBON ISOTOPES/ CORPUS STRIATUM, analysis/ DIENCEPHALON, metabolism/ DRUG INTERACTIONS/ *FENFLURAMINE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ HEART, drug effects/ HYDROXYINDOLEACETIC ACID, analysis/ KINETICS/ MALE/ MATHEMATICS/ MYOCARDIUM, analysis/ RATS/ *SEROTONIN, metabolism/ TELENCEPHALON, metabolism/ TIME FACTORS

740. Cottarelli V, Mura G: [A case of gynandromorphism in Chirocephalus diaphanus Prévost (Crustacea, Branchiopoda)] Riv Biol 65:225-34, Jul-Sep 72 (Mul)
ANIMAL EXPERIMENTS/ CHROMOSOMES/ *CRUSTACEA/ *HERMAPHRODITISM

741. Cotterill JA, Cunliffe WJ: Self-medication with liquorice in a patient witb Addison's disease.
Lancet 1:294-5, 10 Feb 73
*ADDISON'S DISEASE, tberapy/ ADULT/ FEMALE/ *GLYCYRRHIZA/ HUMAN/ POTASSIUM, blood/ *SELF MEDICATION/ SODIUM, blood/ UREA, blood/ VITILIGO, diagnosis

742. Cottino F, Carli M, Magro G, et al: An investigation on the concentration and nature of skeletal muscle iodine compounds.
J Nucl Biol Med 16:39-43, Jan-Mar 72
ANIMAL EXPERIMENTS/ FEMALE/ IODINE, blood/ *IODINE, metabolism/ IODINE ISOTOPES/ MICE/ *MUSCLES, metabolism

743. Cotton DW: Biochemical variability in tbe skin.
Br J Dermatol 88:87-90, Jan 73 (20 ref.)
ACNE, enzymology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AGE FACTORS/ ANIMAL EXPERIMENTS/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ ISOENZYMES, metabolism/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LICHEN PLANUS, enzymology/ PHOSPHODIESTERASES, metabolism/ REVIEW/ *SKIN, enzymology

744. Cotton DW, Van Hasselt P: Sweating on tbe hairy surface of tbe beagle.
J Invest Dermatol 59:313-6, Oct 72
ACETYLCHOLINE, administration & dosage/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, administration & dosage/ ATROPINE, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, pharmacodynamics/ GANGLIA, AUTONOMIC, physiology/ *HAIR/ HEAT/ HISTAMINE, administration & dosage/ HISTAMINE, pharmacodynamics/ INJECTIONS, INTRADERMAL/ LUMBOSACRAL PLEXUS, physiology/ MALE/ METHODS/ PHYSICAL STIMULATION/ SEROTONIN, administration & dosage/ SEROTONIN, pharmacodynamics/ *SWEATING/ SWEATING, drug effects

745. Couch RM, Anderson KM: Changes in template activit of rat ventral prostate chromatin after brief o prolonged in vivo exposure to androgen: evidence fo a succession of chromatin "conformers".
Biocbem Biophys Res Commun 50:478-85, 23 Jan 7
*ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATIN, analysis/ *CHROMATIN, drug effects/ CHROMATIN, metabolism/ DNA, analysis/ HISTONES, analysis/ HISTONES, metabolism/ IN VITRO/ MALE/ PROSTATE, cytology/ *PROSTATE, drug effects/ PROTEINS, analysis/ RATS/ RNA, analysis/ TESTIS, physiology/ TIME FACTORS/ TRITIUM/ URACIL NUCLEOTIDES, metabolism

746. Couinaud C, Germa S, Meunier M: Epancbement pleuraux lympbocytaires après traumatisme du fo Maladie auto-immune.
Nouv Presse Med 2:15-8, 6 Jan 73 (Fr
ADOLESCENCE/ ADULT/ ANTIBIOTICS, therapeutic use/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES/ ENGLISH ABSTRACT/ FEMALE/ HEPATECTOMY/

HUMAN/ LEUKOCYTE COUNT/ *LIVER, injuries/ *LYMPHOCYTES, immunology/ MALE/ *PLEURAL EFFUSION, immunology/ POSTOPERATIVE COMPLICATIONS/ POSTPERICARDIOTOMY SYNDROME, immunology/ PREDNISONE, therapeutic use/ TIME FACTORS

747. Courot M, Reviers MM de, Pelletier J: Pituitary and blood LH in the male lamb.
J Reprod Fertil 31:497-8, Dec 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ LH, blood/ *LH, metabolism/ MALE/ *PITUITARY GLAND, metabolism/ *SHEEP, metabolism

748. Cowie AT: Induction and suppression of lactation in animals. Proc R Soc Med 65:1084-5, Dec 72 (8 ref.)
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ HUMAN/ *LACTATION/ LACTATION, drug effects/ MAMMAE, physiology/ MILK, physiology/ PITUITARY GLAND, physiology/ PROGESTERONE, blood/ PROGESTERONE, physiology/ PROLACTIN, physiology/ REFLEX/ REVIEW

749. Cox ML: Side effects of the pill.
Br Med J 1:419, 17 Feb 73
*CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION/ FEMALE/ HUMAN/ LIBIDO, drug effects/ MALE/ STERILIZATION, SEXUAL/ VASECTOMY

750. Cox SJ, Gunberg DL: Energy metabolism in isolated rat embryo hearts: effect of metabolic inhibitors.
J Embryol Exp Morphol 28:591-9, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIMETABOLITES, antagonists & inhibitors/ *DINITROPHENOLS, pharmacodynamics/ *FETAL HEART, metabolism/ GLYCEROPHOSPHATES, pharmacodynamics/ GLYCOLYSIS, drug effects/ HEART RATE, drug effects/ IN VITRO/ *IODOACETATES, pharmacodynamics/ *MALONATES, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ PLACENTA, metabolism/ PYRUVATES, pharmacodynamics/ RATS/ *TRYPAN BLUE, pharmacodynamics

751. Coy DH, Coy EJ, Redding TW, et al: Synthesis of luteinizing hormone-releasing hormone containing tritium-labelled pyroglutamic acid.
Biochem Biophys Res Commun 50:866-71, 5 Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLUTAMATES/ *LH/ LH, blood/ METHODS/ OVARY, physiology/ PEPTIDES, analysis/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ RATS/ TRITIUM

752. Coyle JT: Tyrosine hydroxylase in rat brain--cofactor requirements, regional and subcellular distribution.
Biochem Pharmacol 21:1935-44, 15 Jul 72
ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, enzymology/ BRAIN CHEMISTRY/ CEREBELLUM, enzymology/ CEREBRAL CORTEX, enzymology/ CHROMATOGRAPHY, THIN LAYER/ *COENZYMES, analysis/ CORPUS STRIATUM, enzymology/ DMPP, metabolism/ DOPA, isolation & purification/ FEMALE/ HYPOTHALAMUS, enzymology/ KINETICS/ MEDULLA OBLONGATA, enzymology/ MESENCEPHALON, enzymology/ OXIDOREDUCTASES, isolation & purification/ PONS, enzymology/ PROTEINS, analysis/ PTERIDINES/ RATS/ SHEEP/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM/ TYROSINE, isolation & purification/ *TYROSINE HYDROXYLASE, analysis

753. Crabbé J: Hormonal influences on transepithelial sodium transport: aldosterone vs. insulin.
J Steroid Biochem 3:229-35, Feb 72
*ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, metabolism/ BUFO MARINUS/ EPITHELIAL CELLS, metabolism/ *EPITHELIAL CELLS, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ SKIN, drug effects/ SKIN, metabolism/ SODIUM, administration & dosage/ *SODIUM, metabolism/ TIME FACTORS/ TRIAMTERENE, pharmacodynamics

754. Craig-Holmes AP, Moore FB, Shaw MW: Polymorphism of human C-band heterochromatin. I. Frequency of variants. Am J Hum Genet 25:181-92, Mar 73
*CHROMOSOMES/ FEMALE/ *HETEROCHROMATIN/ HUMAN/ KARYOTYPING/ MALE/ *POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES/ STAINS AND STAINING/ VARIATION (GENETICS)

755. Craine JE, Hall ES, Kaufman S: The isolation and characterization of dihydropteridine reductase from sheep liver. J Biol Chem 247:6082-91, 10 Oct 72
ADRENAL MEDULLA, enzymology/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HUMAN/ KIDNEY, enzymology/ KINETICS/ *LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ NAD/ NADP/ ORGAN SPECIFICITY/ *OXIDOREDUCTASES/ OXIDOREDUCTASES, isolation & purification/ PTERIDINES/ RATS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

756. Cramer H, Hansen S: On the Y fluorescence in human male fibroblasts. Humangenetik 17:23-8, 1972
ADULT/ CELL NUCLEUS/ CHILD/ CYTOGENETICS/ DNA, biosynthesis/ *FIBROBLASTS/ *FLUORESCENCE/ GENETICS, HUMAN/ HETEROCHROMATIN/ HUMAN/ INFANT/ KARYOTYPING/ MALE/ MICROSCOPY, FLUORESCENCE/ MITOSIS/ QUINACRINE/ *SEX CHROMOSOMES/ SKIN, cytology/ STAINS AND STAINING/ TIME FACTORS

757. Craps L, Ferner U: Méthodes d'expérimentation clinique d'un corticoïde local.
Arch Belg Dermatol Syphiligr 28:97-110, Apr-Jun 72 (Fre)
*ADRENAL CORTEX HORMONES, therapeutic use/ ANALYSIS OF VARIANCE/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ CLINICAL RESEARCH/ ECZEMA, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FLUOCINOLONE ACETONIDE, therapeutic use/ HYDROCORTISONE, TOPICAL, therapeutic use/ KETOSTEROIDS, therapeutic use/ PREGNANEDIOL, therapeutic use/ PSORIASIS, drug therapy/ *SKIN DISEASES, drug therapy

758. Craswell PW: Vocal cord paresis following radioactive iodine therapy. Br J Clin Pract 26:571-2, Dec 72
GOITER, radiotherapy/ HUMAN/ *IODINE ISOTOPES, adverse effects/ LARYNGEAL NERVES, radiation effects/ MALE/ MIDDLE AGE/ *RADIOTHERAPY, adverse effects/ *VOCAL CORD PARALYSIS, etiology/ VOCAL CORDS, radiation effects

759. Craven JD, Costantini MA, Greenfield MA, et al: Measurement of the velocity of ultrasound in human cortical bone and its potential clinical importance. An in vivo preliminary study.
Invest Radiol 8:72-7, Mar-Apr 73
ADULT/ AGED/ *BONE AND BONES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, diagnosis/ *ULTRASONICS/ ULTRASONICS, diagnostic use

760. Crawshaw LI: Effects of intracerebral 5-hydroxytryptamine injection on thermoregulation in rat. Physiol Behav 9:133-40, Aug 72
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ *CEREBRAL VENTRICLES, drug effects/

CEREBRAL VENTRICLES, physiology/ COLD/ CONDITIONING, OPERANT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEAT/ HOUSING, ANIMAL/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INJECTIONS/ MALE/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ STEREOTAXIC TECHNICS/ TAIL, physiology

761. **Crenshaw RR, Luke GM, Jenks TA, et al:** Potential antifertility agents. 3. Substituted dibenzothiophenecarboxylic acids and derivatives. J Med Chem 15:1162-5, Nov 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CARBOXYLIC ACIDS, administration & dosage/ CARBOXYLIC ACIDS, chem synthesis/ CARBOXYLIC ACIDS, pharmacodynamics/ CONTRACEPTIVE AGENTS, pharmacodynamics/ CONTRACEPTIVES, POSTCOITAL, administration & dosage/ *CONTRACEPTIVES, POSTCOITAL, chem synthesis/ CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FERTILITY, drug effects/ INJECTIONS, SUBCUTANEOUS/ MICE/ NUCLEAR MAGNETIC RESONANCE/ ORGAN WEIGHT/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOPHENES, administration & dosage/ *THIOPHENES, chem synthesis/ THIOPHENES, pharmacodynamics/ UTERUS, drug effects

762. **Crenshaw RR, Luke GM, Bialy G:** Potential antifertility agents. 2. Tetrazole derivatives of nonsteroidal estrogens. J Med Chem 15:1179-80, Nov 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AZOLES, administration & dosage/ *AZOLES, chem synthesis/ AZOLES, pharmacodynamics/ BINDING SITES/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, chem synthesis/ CONTRACEPTIVE AGENTS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, administration & dosage/ *ESTROGENS, chem synthesis/ ESTROGENS, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ MICE/ ORGAN WEIGHT/ RATS/ RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects

763. **Cridland MD:** Antineoplastic and immunosuppressive drugs. II. Therapeutic uses.
Drugs 3:331-51, 1972 (107 ref.)
ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BURKITT'S LYMPHOMA, drug therapy/ CARCINOMA, drug therapy/ CHORIOCARCINOMA, drug therapy/ DISGERMINOMA, drug therapy/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KINETICS/ LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, drug therapy/ LYMPHOMA, GIANT FOLLICULAR, drug therapy/ LYMPHOSARCOMA, drug therapy/ MULTIPLE MYELOMA, drug therapy/ MYELOFIBROSIS, drug therapy/ NECK NEOPLASMS, drug therapy/ NEPHROBLASTOMA, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ POLYCYTHEMIA VERA, drug therapy/ REVIEW/ SARCOMA, RETICULUM CELL, drug therapy

764. **Crile G Jr, Hawk WA Jr:** Aspiration biopsy of thyroid nodules. Surg Gynecol Obstet 136:241-5, Feb 73
*BIOPSY, NEEDLE/ *CARCINOMA, pathology/ CARCINOMA, PAPILLARY, diagnosis/ *CARCINOMA, PAPILLARY, pathology/ CYSTS, pathology/ CYSTS, therapy/ DIAGNOSIS, DIFFERENTIAL/ GOITER, NODULAR, diagnosis/ GOITER, NODULAR, pathology/ HEMATOMA, diagnosis/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ THYROID DISEASES, drug therapy/ *THYROID DISEASES, pathology/ THYROID HORMONES, therapeutic use/ *THYROID NEOPLASMS, pathology/ THYROIDECTOMY/ THYROIDITIS, LYMPHOMATOUS, pathology

765. **Croft LR:** Amino and carboxy terminal sequence of -crystallin, from haddock lens.
Biochim Biophys Acta 295:174-7, 25 Jan 73
AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ *CRYSTALLINS, analysis/ DANSYL COMPOUNDS/ *FISHES/ GEL FILTRATION/ PEPTIDES, analysis/ SPECIES SPECIFICITY/ THIOCYANATES/ TRYPSIN

766. **Crone HD:** The influence of ionic strength on the interaction of quaternary drugs with mammalian acetylcholinesterase in relation to possible regulatory effects. J Neurochem 20:225-36, Jan 73
*ACETYLCHOLINESTERASE/ ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CALCIUM, metabolism/ CHROMATOGRAPHY/ DRUG INTERACTIONS/ ERYTHROCYTES, enzymology/ *GALLAMINE TRIETHIODIDE, pharmacodynamics/ IN VITRO/ LITHIUM, pharmacodynamics/ MAGNESIUM, metabolism/ METHODS/ OSMOLAR CONCENTRATION/ POTASSIUM, pharmacodynamics/ *PRALIDOXIME COMPOUNDS, pharmacodynamics/ RATS/ RUBIDIUM, pharmacodynamics/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, pharmacodynamics/ STRONTIUM, metabolism/ *TUBOCURARINE, pharmacodynamics

767. **Crothers SF, Fackrell HB, Huang JC, et al:** Relationship between Bdellovibrio bacteriovorus 6-5-S and autoclaved host bacteria.
Can J Microbiol 18:1941-8, Dec 72
AMINO ACIDS, metabolism/ AMINO SUGARS, metabolism/ *BACILLUS MEGATERIUM/ BACTERIAL PROTEINS, metabolism/ BACTERIOLOGICAL TECHNICS/ BACTERIOLYSIS/ BUFFERS/ CALCIUM, metabolism/ GRAM NEGATIVE BACTERIA, cytology/ *GRAM NEGATIVE BACTERIA, growth & development/ GRAM NEGATIVE BACTERIA, metabolism/ *HEAT/ MAGNESIUM, metabolism/ MICROPORE FILTERS/ MICROSCOPY, PHASE CONTRAST/ *SPIRILLUM

768. **Croughs RJ, Docter R, Jong FH de:** Comparison of oral and intravenous dexamethasone suppression tests in the differential diagnosis of Cushing's syndrome.
Acta Endocrinol (Kbh) 72:54-62, Jan 73
ADMINISTRATION, ORAL/ COMPARATIVE STUDY/ *CUSHING'S SYNDROME, diagnosis/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INJECTIONS, INTRAVENOUS

769. **Crowell WA, Goldston RT, Schall WD, et al:** Generalized amyloidosis in a cat.
J Am Vet Med Assoc 161:1127-33, 15 Nov 72
ADRENAL GLANDS, pathology/ AMYLOIDOSIS, pathology/ *AMYLOIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ *CAT DISEASES, pathology/ CATS/ INTESTINE, SMALL, pathology/ KIDNEY GLOMERULUS, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ MICROSCOPY, ELECTRON/ SPLEEN, pathology/ THYROID GLAND, pathology

770. **Crosdea J, Bierme R:** Identification du chromosome X par l'étdue quantitative de la myélopéroxydase
Nouv Presse Med 1:3132, 23 Dec 72 (Fre)
CYTOGENETICS/ FEMALE/ GENETICS, BIOCHEMICAL/ *HEMOPHILIA, enzymology/ HUMAN/ MALE/ METHODS/ *NEUTROPHILS, enzymology/ PEDIGREE/ *PEROXIDASES, blood/ *SEX CHROMOSOMES

771. **Csaba B, Went M:** Changes in 5-hydroxytryptamine metabolism during anaphylactic shock in rats.
Int Arch Allergy Appl Immunol 43:25-9, 1972
*ANAPHYLAXIS, metabolism/ ANIMAL EXPERIMENTS/ ANTIGENS/ BORDETELLA PERTUSSIS, immunology/ CARBOXY-LYASES, metabolism/ HYDROXYTRYPTOPHAN/ INTESTINE, SMALL, metabolism/ LIVER, enzymology/ LIVER, metabolism/ LUNG, metabolism/ MONOAMINE OXIDASE, metabolism/ OVALBUMIN/ PYLORIC ANTRUM, metabolism/ RATS/ *SEROTONIN, metabolism/ SKIN, metabolism/ TRYPTOPHAN SYNTHETASE, metabolism

772. **Csaba G:** A sejtmüködés szabályozása.
Orv Hetil 114:245-54, 4 Feb 73 (Hun)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CELL DIVISION/ *DNA/ HORMONES, physiology/ HUMAN/ *PROTEINS, biosynthesis/ *RNA

773. **Csaba I, Nagy P, Szabó I:** Incomplett testicularis feminisatio. Orv Hetil 114:503-5, 4 Mar 73 (Hun)
ADOLESCENCE/ CLITORIS, surgery/ ESTROGENS, biosynthesis/ ESTROGENS, urine/ HUMAN/ MALE/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ *TESTICULAR FEMINIZATION/ TESTIS, surgery/ TESTOSTERONE, biosynthesis

774. **Csaba I, Szabó I, Nagy P:** A vörösvérsejtek glucose-6-phosphat dehydrogenase activitásának és a nemi chromatinok elöfordulási arányszámának alakulása leányujszülöttekben az élet elsö nepjain.
Orv Hetil 114:430-1, 25 Feb 73 (Hun)
*ERYTHROCYTES, enzymology/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HUMAN/ *INFANT, NEWBORN/ *SEX CHROMATIN

775. **Csapo AI:** On the mechanism of the abortifacient action of prostaglandin F 2 . J Reprod Med 9:400-12, Dec 72
*ABORTION, INDUCED/ AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ OXYTOCIN/ PREGNANCY/ PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ UTERUS, drug effects/ UTERUS, physiology/ VASOCONSTRICTOR AGENTS, therapeutic use/ VASOMOTOR SYSTEM, drug effects

776. **Csapo AI:** Brook Lodge symposium on prostaglandins. Moderator's summary. J Reprod Med 9:327-30, Dec 72
EVALUATION STUDIES/ FEMALE/ HUMAN/ *LABOR, INDUCED/ *MUSCLE CONTRACTION, drug effects/ OXYTOCIN, therapeutic use/ PREGNANCY/ *PROSTAGLANDINS/ *UTERUS, drug effects

777. **Csapo AI, Kivikoski A, Wiest WG:** Massive initial prostaglandin impact in postconceptional therapy.
Prostaglandins 2:125-34, Aug 72
ABORTION, INDUCED/ ADULT/ AMNIOTIC FLUID/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROXYZINE, therapeutic use/ INJECTIONS/ MEPERIDINE, therapeutic use/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, therapeutic use/ PREGNANCY/ PRESSURE/ PROCHLORPERAZINE, therapeutic use/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects

778. **Csapo AI, Pulkkinen MO, Wiest WG:** Effects of luteectomy and progesterone replacement therapy in early pregnant patients.
Am J Obstet Gynecol 115:759-65, 15 Mar 73
ABORTION, INDUCED/ *CORPUS LUTEUM, physiology/ CORPUS LUTEUM, surgery/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LIGATION/ *PREGNANCY/ PRESSURE/ *PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ STERILIZATION, TUBAL/ TIME FACTORS/ UTERUS, drug effects

779. **Cuatrecasas P, Tell GP:** Insulin-like activity of concanavalin A and wheat germ agglutinin--direct interactions with insulin receptors.
Proc Natl Acad Sci USA 70:485-9, Feb 73
ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, AFFINITY/ CONCANAVALIN A, antagonists & inhibitors/ CONCANAVALIN A, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCOSAMINE, pharmacodynamics/ GLUCOSE, metabolism/ GLYCOSIDES, pharmacodynamics/ INSULIN, metabolism/ *INSULIN, pharmacodynamics/ IODINE ISOTOPES/ LIPIDS, metabolism/ PHYTOMITOGENS, antagonists & inhibitors/ *PHYTOMITOGENS, pharmacodynamics/ PLANT AGGLUTININS, antagonists & inhibitors/ PLANT AGGLUTININS, metabolism/ *PLANT AGGLUTININS, pharmacodynamics/ RATS/ *RECEPTORS, DRUG

780. **Cuche JL, Kuchel O, Barbeau A, et al:** Relationship between the adrenergic nervous system and renin during adaptation to upright posture: a possible role for 3,4-dihydroxyphenethylamine (dopamine).
Clin Sci 43:481-91, Oct 72
ADULT/ BLOOD PRESSURE/ DIET, SALT-FREE/ *DOPAMINE, physiology/ DOPAMINE, urine/ EPINEPHRINE, urine/ FEMALE/ HEART RATE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ *POSTURE/ RECEPTORS, ADRENERGIC/ RENIN, blood/ *RENIN, secretion/ SODIUM, urine/ STATISTICS/ *SYMPATHETIC NERVOUS SYSTEM, physiology

781. **Cuchet P, Dessaux G:** Effets de l'hypophysectomie sur l'élimination du cholestérol et des acides biliaires chez le rat en fistule cholédocienne permanente.
J Physiol (Paris) 65:Suppl:221A-222, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ BILE, secretion/ *BILE ACIDS AND SALTS, metabolism/ *BILIARY FISTULA/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ COMMON BILE DUCT/ *HYPOPHYSECTOMY/ LIVER, metabolism/ RATS

782. **Cuevas P, Fine J:** Production of fatal endotoxic shock by vasoactive substances.
Gastroenterology 64:285-91, Feb 73
ANIMAL EXPERIMENTS/ *BRADYKININ/ *HISTAMINE/ KANAMYCIN, therapeutic use/ MALE/ RABBITS/ *SEROTONIN/ *SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, prevention & control

783. **Cullen MJ, Doherty GF, Ingbar SH:** The effect of hypothyroidism and thyrotoxicosis on thyroxine metabolism in the rat.
Endocrinology 92:1028-33, Apr 73
ANIMAL EXPERIMENTS/ FECES, analysis/ HALF-LIFE/ *HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, metabolism/ IODINE, analysis/ IODINE, urine/ IODINE ISOTOPES/ KINETICS/ LIVER, analysis/ MALE/ PROTEIN-BOUND IODINE TEST/ RATS/ THYROID GLAND, physiology/ THYROXINE/ *THYROXINE, metabolism/ TRIIODOTHYRONINE

784. **Cumming IA, Brown JM, Cerini JC, et al:** Ovine luteinizing hormone release induced by a synthetic gonadotrophin-releasing factor.
J Reprod Fertil 32:340, Feb 73
ANIMAL EXPERIMENTS/ *LH, secretion/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SHEEP

785. **Cummings KB, Lecky JW, Kaufman JJ:** Renal artery aneurysms and hypertension. J Urol 109:144-8, Feh 73
ADULT/ ANEURYSM, classification/ *ANEURYSM, complications/ ANEURYSM, enzymology/ ANEURYSM, radiography/ ANEURYSM, surgery/ ANGIOGRAPHY/ CHILD/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, radiography/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ *RENAL ARTERY/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, enzymology/ RENAL ARTERY OBSTRUCTION, radiography/ RENAL ARTERY OBSTRUCTION, surgery/ RENAL VEINS/ RENIN, blood/ VENA CAVA, INFERIOR

786. **Cummins LJ, Blockey MA, Fell LR, et al:** Plasma prolactin release about oestrus and after suckling in the beef cow. J Reprod Fertil 32:319, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRUS/ FEMALE/ LH, secretion/ *PROLACTIN, blood/ *SUCKING BEHAVIOR

787. **Cundiff JH, Cunningham JR, Golden R, et al:** A method for the calculation of dose in the radiation treatment of Hodgkin's disease.
Am J Roentgenol Radium Ther Nucl Med 117:30-44, Jan 73
COBALT ISOTOPES/ FEMALE/ FETUS, radiation effects/ GONADS, radiation effects/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MATHEMATICS/ METHODS/ MODELS, STRUCTURAL/ PREGNANCY/ RADIATION PROTECTION/ RADIOISOTOPE TELETHERAPY/ *RADIOTHERAPY DOSAGE/ *RADIOTHERAPY, HIGH ENERGY/ SPINAL CORD, radiation effects

788. **Cunliffe WJ, Williams M:** Topical aminoglutethimide in hirsutism. Br J Dermatol 88:95-6, Jan 73
AMINOGLUTETHIMIDE, administration & dosage/ *AMINOGLUTETHIMIDE, therapeutic use/ CLINICAL RESEARCH/ *HIRSUTISM, drug therapy/ HUMAN/ OINTMENTS/ PLACEBOS

789. **Currie BL, Johansson NG, Folkers K:** On the chemical existence and partial purification of the hypothalamic follicle stimulating hormone releasing hormone.
Biochem Biophys Res Commun 50:14-9, 4 Jan 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHEMISTRY/ FEMALE/ *FSH, secretion/ *HYPOTHALAMUS, analysis/ IN VITRO/ LH, secretion/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SWINE/ TIME FACTORS

790. **Currie WB, Wong MF, Cox RI, et al:** Hormonal changes in ewes and their fetuses at parturition.
J Reprod Fertil 32:333-4, Feb 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ ESTROGENS, blood/ FEMALE/ *FETUS, physiology/ LABOR/ PROGESTERONE, blood/ PROSTAGLANDINS, blood/ *SHEEP, physiology

791. **Cushner IM:** The current status of the use of prostaglandins in induced abortion.
Am J Public Health 63:189-90, Mar 73
*ABORTION, INDUCED/ CORPUS LUTEUM, physiology/ ECONOMICS, MEDICAL/ FEMALE/ GESTATIONAL AGE/ HOSPITALIZATION/ HUMAN/ INJECTIONS, INTRAVENOUS/ NIDATION, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects

792. **Cusick EK, Wilson FE:** On control of spontaneous testicular regression in tree sparrows (Spizella arborea). Gen Comp Endocrinol 19:441-56, Dec 72
ANIMAL EXPERIMENTS/ *BIRDS, physiology/ CHEMORECEPTORS, physiology/ CHOLESTEROL, pharmacodynamics/ CYPROTERONE, pharmacodynamics/ HYPOTHALAMUS, physiology/ MALE/ ORGAN WEIGHT/ PHOTIC STIMULATION/ TESTIS, anatomy & histology/ *TESTIS, physiology/ *TESTOSTERONE, physiology/ TIME FACTORS

793. **Cyrkowicz A:** Release of melanocyte-stimulating hormone from the rat posterior pituitary lobe incubated in situ and from the hypothalamus.
Neuroendocrinology 10:257-60, 1972
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS, secretion/ MALE/ *MSH, secretion/ *PITUITARY GLAND, POSTERIOR, secretion/ RATS

794. **Czok G, Midani W, Finke RI:** Beeinflussung der Cholerese und Darmmotorik durch Phenole und Phenolkarbonsäuren.
Z Ernaehrungswiss [Suppl] 14:Suppl 14:68-77, 1972 (Ger)
ANIMAL EXPERIMENTS/ BILE, analysis/ *BILE, secretion/ CARBONATES, pharmacodynamics/ CATECHOL, pharmacodynamics/ CINNAMATES, pharmacodynamics/ COFFEE/ DEHYDROCHOLIC ACID, pharmacodynamics/ ENGLISH ABSTRACT/ *GASTROINTESTINAL MOTILITY, drug effects/ GUINEA PIGS/ HYDROQUINONES, pharmacodynamics/ LIVER, drug effects/ *PHENOLS, pharmacodynamics/ PYROGALLOL/ RATS/ RESORCINOL, pharmacodynamics/ SEROTONIN, pharmacodynamics

795. **Czygan PJ, Schulz KD:** Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate in women. Gynecol Invest 3:126-34, 1972
ADULT/ *CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ *ESTROGENS antagonists & inhibitors/ ESTROGENS, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MENOPAUSE, drug effects/ MIDDLE AGE/ OVARIAN DISEASES, drug therapy/ OVULATION, drug effects

D

796. **Dahl E:** Studies of the fine structure of ovarian interstitial tissue. 7. The postnatal evolution of the thecal gland in the domestic fowl.
Z Zellforsch Mikrosk Anat 135:553-61, 1972
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CHICKENS/ CONNECTIVE TISSUE CELLS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, cytology/ FEMALE/ LIPIDS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OVARY, cytology/ *OVARY, growth & development/ REGENERATION/ STEROIDS, biosynthesis

797. **Daikoku S, Takahashi T, Kojimoto H, et al:** Secretory surface phenomena in freeze-etched preparations of the adenohypophysial cells and neurosecretory fibers. Z Zellforsch Mikrosk Anat 136:207-14, 19
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ EXOCYTOSIS/ FREEZE ETCHING/ HEMORRHAGE/ HYPOTHALAMUS/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ *NEUROSECRETION/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, secretion/ RATS/ SURFACE PROPERTIES

798. **Dailey RA, Clark JR, First NL, et al:** Effects of high and low feeding at two stages of the estrous cycle on follicular development in gilts from four genetic groups. J Anim Sci 35:1210-5, Dec 72
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ BREEDING/ CORPUS LUTEUM, anatomy & histology/ *ESTRUS/ FEMALE/ FOOD DEPRIVATION/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN

FOLLICLE, cytology/ *GRAAFIAN FOLLICLE, growth & development/ ORGAN WEIGHT/ STATISTICS/ *SWINE, physiology/ TIME FACTORS

799. Dal Monte PR, Sarti F, Toscano S, et al: Un caso di ittero da contraccettivi orali.
G Clin Med 53:111-20, Mar 72 (Ita)
ADULT/ BIOPSY/ CHOLESTASIS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *JAUNDICE, chemically induced/ LIVER, pathology/ *LYNESTRENOL, adverse effects/ *MESTRANOL, adverse effects

800. Dalton K: Migraine--a personal view.
Practitioner 209:835-7, Dec 72
CONTRACEPTIVES, ORAL/ DEPRESSION, complications/ FEMALE/ FOOD HYPERSENSITIVITY/ HUMAN/ HYPOGLYCEMIA, complications/ MALE/ MENSTRUATION/ *MIGRAINE, etiology/ MIGRAINE, therapy/ STRESS, PSYCHOLOGICAL, complications/ TYRAMINE

801. Damian E: Acţiunea pinealei asupra funcţiei sexuale şi asupra metabolismului lipidic.
Stud Cercet Endocrinol 23:389-96, 1972 (Rum)
ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ FATTY ACIDS, blood/ GONADOTROPINS, metabolism/ HUMAN/ *LIPIDS, metabolism/ MELATONIN, pharmacodynamics/ MICE/ PINEAL BODY/ *PINEAL BODY, physiology/ RABBITS/ RATS/ SEX HORMONES, antagonists & inhibitors/ *SEX HORMONES, metabolism/ TISSUE EXTRACTS, pharmacodynamics/ UTERUS, drug effects

802. Damian E, Ianăş O, Bădescu I: acţiunea melatoninei asupra colesterolului şi a 17-cetosteroizilor la şobolan.
Stud Cercet Endocrinol 24:105-8, 1973 (Rum)
ANIMAL EXPERIMENTS/ *CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ *17-KETOSTEROIDS, urine/ LIVER, drug effects/ LIVER, metabolism/ *MELATONIN, pharmacodynamics/ RATS

803. Dandekar P, Vaidya R, Morris JM: The effect of coitus on transport of sperm in the rabbit.
Fertil Steril 23:759-62, Oct 72
ANIMAL EXPERIMENTS/ CELL MOVEMENT/ *COITUS/ FEMALE/ GONADOTROPINS, PITUITARY, pharmacodynamics/ INSEMINATION, ARTIFICIAL/ MALE/ OVIDUCTS/ OVULATION, drug effects/ RABBITS/ SEMEN, cytology/ SPERMATOZOA/ SPERMATOZOA, cytology/ VASECTOMY

804. Danecka U, Krawecki T, Oczkowski Z: Ciężka żółtaczka zakaźna powikłana ostrą psychozą w trakcie leczenia hydrokortyzonem.
Wiad Lek 26:61-4, 1 Jan 73 (Pol)
ACUTE DISEASE/ ADULT/ ENGLISH ABSTRACT/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ MALE/ *PSYCHOSES, TOXIC, etiology

805. Danetskaia EV, Knizhnikov VA, Ramzaev PV, et al: Nekotorye zakonomernosti nakopleniia Sr90 v organizme krys pri povyshennom soderzhanii ftora v pit'evoi vode.
Gig Sanit 37:49-53, Aug 72 (Rus)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *FLUORIDATION/ MALE/ RATS/ *STRONTIUM ISOTOPES, metabolism

806. Dang-Tran L: Influence du blocage des récepteurs hêta adrénergiques sur l'hyperglycémie adrénalinique du chien. J Physiol (Paris) 65:Suppl 1:111A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *BLOOD SUGAR/ DOGS/ *EPINEPHRINE, pharmacodynamics/ HYPOPHYSECTOMY/ *PROPRANOLOL, pharmacodynamics/ *RECEPTORS, ADRENERGIC

807. D'Angelo SA, Paul DH, Wall NR: Maternal-fetal endocrine interrelations: influence of maternal adrenocorticosteroids on fetal ACTH secretion.
Am J Physiol 224:543-7, Mar 73
ADRENAL GLANDS, anatomy & histology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CESAREAN SECTION/ CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, secretion/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ GLUCOCORTICOIDS, blood/ *GLUCOCORTICOIDS, physiology/ HYPOPHYSECTOMY/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, secretion/ PREGNANCY/ PREGNANCY, ANIMAL/ RATS

808. D'Angio GJ, Nisce L: Updated Hodgkin's disease. C. Advanced disease and special problems. Problems with the irradiation of children and pregnant patients.
JAMA 223:171-3, 8 Jan 73
ABNORMALITIES, MULTIPLE, etiology/ ADOLESCENCE/ AGE FACTORS/ BONE DISEASES, DEVELOPMENTAL, etiology/ CHILD/ CHROMOSOMES, radiation effects/ FEMALE/ FERTILITY, radiation effects/ FETAL DISEASES, etiology/ *FETUS, radiation effects/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE/ NEOPLASMS, RADIATION-INDUCED/ OVARIAN DISEASES, etiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, radiotherapy/ RADIATION GENETICS/ *RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE

809. Daniel PM, Prichard MM: The human hypothalamus and pituitary stalk after hypophysectomy or pituitary stalk section. Brain 95:813-24, 1972
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, surgery/ MALE/ MIDDLE AGE/ *NERVE REGENERATION/ PITUITARY GLAND, POSTERIOR, physiology/ PITUITARY GLAND, POSTERIOR, surgery

810. Daniel V, Litwack G, Tomkins GM: Induction of cytolysis of cultured lymphoma cells by adenosine 3':5'-cyclic monophosphate and the isolation of resistant variants.
Proc Natl Acad Sci USA 70:76-9, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL DIVISION, drug effects/ CELL-FREE SYSTEM/ CELL LINE/ CELL SURVIVAL, drug effects/ CELLS, CULTURED/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION, drug effects/ HYDROGEN-ION CONCENTRATION/ *LYMPHOMA/ LYMPHOMA, enzymology/ MICE/ NEOPLASM PROTEINS, isolation & purification/ NEOPLASM PROTEINS, metabolism/ PHOSPHOTRANSFERASES, isolation & purification/ PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING/ RECEPTORS, DRUG/ TRITIUM

811. Daniel WA Jr: Practical aspects of adolescent growth and development. Minn Med 56:99-100, Feb 73
ADOLESCENCE/ *ADOLESCENCE/ CHILD/ FEMALE/ GENITALIA, growth & development/ *GROWTH/ HUMAN/ MALE/ *PUBERTY/ SEX CHARACTERISTICS

812. Danielsen L: Ahnorme elastiske fibre. Degeneration og forkalkning i hud or arterier.
Ugeskr Laeger 134:2759-61, 25 Dec 72 (Dan)
AGED/ AGING/ ARTERIES, metabolism/ *ARTERIES, pathology/ *CALCINOSIS, pathology/ CALCIUM, metabolism/ COLLAGEN/ *ELASTIC TISSUE, pathology/

ENGLISH ABSTRACT/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PSEUDOXANTHOMA ELASTICUM, metabolism/ SKIN, metabolism/ *SKIN, pathology

813. **Dănilă-Muster A, Serban AM:** Cercetări de endocrinologie ovariană.
Stud Cercet Endocrinol 23:397-409, 1972 (Rum)
ANIMAL EXPERIMENTS/ *ENDOCRINE DISEASES, physiopathology/ *ESTROGENS, physiology/ ESTROGENS, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *OVARY, physiology/ OVARY, physiopathology/ PITUITARY GLAND, physiology/ THYROID GLAND, physiology

814. **Danis A, Carpentier Y:** Un cas d'ostéonécrose isolée des deux condyles fémoraux.
Acta Orthop Belg 38:611-6, Oct 72 (Fre)
ADULT/ *BONE DISEASES, chemically induced/ *CORTISONE, adverse effects/ ENGLISH ABSTRACT/ HUMAN/ *KNEE JOINT/ MALE/ NECROSIS/ OSTEOCHONDRITIS, chemically induced

815. **Danowski TS, Livstone E, Gonzales AR, et al:** Fractional and partial hypopituitarism in anorexia nervosa.
Hormones 3:105-18, 1972
ADOLESCENCE/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADULT/ AMENORRHEA, etiology/ ANOREXIA NERVOSA, blood/ *ANOREXIA NERVOSA, complications/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CARBON DIOXIDE, blood/ CHLORINE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FSH, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOPITUITARISM, etiology/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ METYRAPONE, pharmacodynamics/ MIDDLE AGE/ SODIUM, blood

816. **Daouk AA, Malek GH, Kauffman HM, et al:** Hyperosmolar non-ketotic coma in a kidney transplant recipient. J Urol 108:524-5, Oct 72
ADULT/ *COMA, chemically induced/ CONVULSIONS, chemically induced/ DEHYDRATION, chemically induced/ GRAFT REJECTION/ HUMAN/ *HYPERGLYCEMIA, chemically induced/ HYPOTONIC SOLUTIONS/ *IMMUNOSUPPRESSION, adverse effects/ INSULIN, therapeutic use/ *KIDNEY, transplantation/ MALE/ PARENTERAL FEEDING/ *PREDNISONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS

817. **Da Prada M, Pletscher A, Tranzer JP:** Lipid composition of membranes of amine-storage organelles. Biochem J 127:681-3, May 72
ADRENAL MEDULLA, analysis/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, analysis/ CATTLE/ CEPHALINS, analysis/ CHOLESTEROL, analysis/ CHROMAFFIN SYSTEM, analysis/ DOPAMINE/ *LIPIDS, analysis/ LYSOLECITHIN, analysis/ *MEMBRANES, analysis/ MICROSCOPY, ELECTRON/ *ORGANOIDS, analysis/ PHOSPHOINOSITIDES, analysis/ PHOSPHOLIPIDS, analysis/ RABBITS/ SEROTONIN/ SPHINGOMYELINS, analysis

818. **Da Prada M, Von Berlepsch K, Pletscher A:** Storage of biogenic amines in blood platelets and adrenal medulla. Lack of evidence for direct involvement of glycosaminoglycans.
Naunyn Schmiedebergs Arch Pharmacol 275:315-22, 1972
*ADRENAL MEDULLA, metabolism/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CATTLE/ CHROMAFFIN SYSTEM, metabolism/ GUINEA PIGS/ HEXOSAMINES, metabolism/ IN VITRO/ *MUCOPOLYSACCHARIDES, metabolism/ MUCOPOLYSACCHARIDES, pharmacodynamics/ RABBITS/ RATS/ SEROTONIN/ URONIC ACIDS, metabolism

819. **Dapunt O:** Orale Kontrazeptiva und Venenerkrankungen.
Arch Dermatol Forsch 244:490-5, 1972 (Ger)
ACCIDENTS, TRAFFIC/ ADULT/ ARACHNODACTYLY, complications/ *BLOOD COAGULATION DISORDERS, chemically induced/ BODY WEIGHT, drug effects/ CEREBRAL EMBOLISM AND THROMBOSIS, mortality/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ *EMBOLISM, chemically induced/ ESTROGENS, pharmacodynamics/ FEMALE/ HEADACHE, chemically induced/ HEMODYNAMICS/ HUMAN/ PREGNANCY/ PSYCHOPHYSIOLOGIC DISORDERS, chemically induced/ PULMONARY EMBOLISM, mortality/ *THROMBOPHLEBITIS, chemically induced/ VEINS/ VEINS, drug effects

820. **Dar H, Keynan A, Eides E:** [Congenital malformation in an infant with triple x karotype]
Harefuah 83:243-4, 15 Sep 72 (Heb
*ABNORMALITIES, MULTIPLE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ *SEX CHROMOSOME ABNORMALITIES

821. **Das Gupta V:** Errors discovered in a manufacturing program. Am J Hosp Pharm 30:112, Feb 73
*DRUG COMPOUNDING, standards/ *DRUG CONTAINERS AND CLOSURES, standards/ *DRUG LABELING, standards/ HYDROCORTISONE, analysis/ HYDROCORTISONE, standards/ PHENYLEPHRINE, standards/ QUALITY CONTROL/ SALICYLIC ACID, standards/ SOLUTIONS

822. **Datta M:** Study of meiosis in the chimpanzee, Pan troglodytes troglodytes (Blumenbach 1779).
Cytologia (Tokyo) 37:207-16, Jun 72
ANIMAL EXPERIMENTS/ *CHIMPANZEES, anatomy & histology/ KARYOTYPING/ MALE/ *MEIOSIS/ TESTIS, cytology

823. **D'Auriac GA, Meyer P:** Effects of angiotensin II on cyclic 3'5'AMP in rat uterus.
Life Sci [I] 11:631-41, 1 Jul 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ FEMALE/ MUSCLE CONTRACTION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ THEOPHYLLINE pharmacodynamics/ UTERUS, drug effects/ UTERUS, enzymology/ *UTERUS, metabolism

824. **David A, Frenkel G, Kraicer PF:** Chemical composition of rabbit follicular fluid. Fertil Steril 24:227-9, Mar
ANIMAL EXPERIMENTS/ BLOOD PROTEINS BLOOD SUGAR/ *CHLORIDES, analysis/ CHLORIDES, blood/ EXTRACELLULAR SPACE, analysis/ EXUDATES AND TRANSUDATES, analysis/ *GLUCOSE, analysis *GRAAFIAN FOLLICLE, analysis/ OSMOLAR CONCENTRATION/ *POTASSIUM, analysis/ *PROTEINS, analysis/ PUNCTURES/ *RABBITS/ *SODIUM, analysis/ SODIUM, blood

825. **Davidovich SIa:** Kolichestvo tsirkuliruiushchikh éozinofilov v periphericheskoĭ krovi i proba Torna p mozgovykh insul'takh.
Klin Med (Mosk) 50:36-8, Sep 72 (Ru
AGED/ BLOOD CELL COUNT/ *CEREBROVASCULAR DISORDERS, blood/ CEREBROVASCULAR DISORDERS, physiopathology/ CEREBROVASCULAR DISORDERS, urine/ ENGLISH ABSTRACT/ *EOSINOPHILS/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE

AGE/ *PITUITARY-ADRENAL FUNCTION TESTS

826. **Davies DL, Beevers DG, Briggs JD, et al:** Abnormal relation between exchangeable sodium and the renin-angiotensin system in malignant hypertension and in hypertension with chronic renal failure. Lancet 1:683-6, 31 Mar 73
*ANGIOTENSIN, blood/ ANGIOTENSIN, physiology/ BLOOD PRESSURE, drug effects/ HEMODIALYSIS/ HUMAN/ HYPERTENSION, MALIGNANT, blood/ *HYPERTENSION, MALIGNANT, metabolism/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, metabolism/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, metabolism/ NEPHRECTOMY/ *RENIN, blood/ RENIN, physiology/ *SODIUM, metabolism/ SODIUM, physiology/ SYNDROME

827. **Davies DR, Dent CE, Ives DR:** Successful removal of single metastasis in recurrent parathyroid carcinoma. Br Med J 1:397-8, 17 Feb 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ DIHYDROTACHYSTEROL, therapeutic use/ FEMALE/ FINGERS, radiography/ HUMAN/ LUNG, radiography/ LUNG NEOPLASMS, radiography/ *LUNG NEOPLASMS, surgery/ *NEOPLASM METASTASIS, surgery/ OSTEITIS FIBROSA CYSTICA, radiography/ PARATHYROID NEOPLASMS, blood/ *PARATHYROID NEOPLASMS, surgery/ PHOSPHORUS, blood/ RECURRENCE/ THYROXINE, therapeutic use/ TOMOGRAPHY, RADIOGRAPHIC

828. **Davis GJ, Meyer RK:** FSH and LH in the snowshoe hare during the increasing phase of the 10-year cycle. Gen Comp Endocrinol 20:53-60, Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ FSH, blood/ *FSH, metabolism/ LH, blood/ *LH, metabolism/ MALE/ *PITUITARY GLAND, physiology/ PREGNANCY/ PREGNANCY, ANIMAL/ *RABBITS, physiology/ SEASONS/ SEX FACTORS/ TESTIS, growth & development

829. **Davis GJ, Meyer RK:** Seasonal variation in LH and FSH of bilaterally castrated snowshoe hares. Gen Comp Endocrinol 20:61-8, Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ FEMALE/ *FSH, metabolism/ LH, blood/ *LH, metabolism/ MALE/ *OVARY, physiology/ *PITUITARY GLAND, metabolism/ *RABBITS, physiology/ SEASONS/ *TESTIS, physiology

830. **Davis HA, Horton EW:** Output of prostaglandins from the rabbit kidney, its increase on renal nerve stimulation and its inhibition by indomethacin. Br J Pharmacol 46:658-75, Dec 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATHETERIZATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ELECTRIC STIMULATION/ GLYCOLS, blood/ INDOMETHACIN, pharmacodynamics/ KIDNEY, secretion/ MALE/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, secretion/ RABBITS/ SECRETORY RATE, drug effects

831. **Davis MA, Funk K, Zabrik ME:** Time-temperature and time-weight losses in veal roasts. J Am Diet Assoc 62:166-70, Feb 73
BODY WATER, analysis/ BONE AND BONES/ *CATTLE/ COOKERY/ FREEZING/ LIPIDS, analysis/ *MEAT/ MEAT, analysis/ TEMPERATURE/ TIME FACTORS/ VOLATILIZATION

832. **Davydova VA:** Vliianie pirogenala, metiluratsila, oksimetatsila i ikh kombinatsii na pogiotitel'nuiu sposobnost' retikuloendoteliai'noi sistemy na fone vvedeniia ievomitsetina i gidrokortizona. Antibiotiki 17:820-3, Sep 72 (Rus)
ANIMAL EXPERIMENTS/ *CHLORAMPHENICOL, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ MATHEMATICS/ *METHYLTHIOURACIL, pharmacodynamics/ MICE/ PHOSPHORUS ISOTOPES/ PYROGENS, administration & dosage/ *PYROGENS, pharmacodynamics/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ STAPHYLOCOCCUS/ STIMULATION, CHEMICAL

833. **Daw E:** Poststerilization mittelschmerz. Br Med J 3:701, 16 Sep 72
ADHESIONS/ ADULT/ CASE REPORT/ DYSMENORRHEA, etiology/ FEMALE/ HUMAN/ OVARIAN DISEASES, etiology/ *STERILIZATION, TUBAL, adverse effects

834. **Dawkins RL, Mastaglia FL:** Cell-mediated cytotoxicity to muscle in polymyositis. Effect of immunosuppression. N Engl J Med 288:434-8, 1 Mar 73
ADULT/ AGED/ ANTIBODY SPECIFICITY/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES/ AZATHIOPRINE, therapeutic use/ CHICK EMBRYO/ CHROMIUM ISOTOPES/ *CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ HUMAN/ *IMMUNITY, CELLULAR/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LYMPHOCYTES, immunology/ MALE/ MIDDLE AGE/ *MUSCLES, immunology/ MYOSITIS, drug therapy/ MYOSITIS, etiology/ *MYOSITIS, immunology/ PREDNISONE, therapeutic use

835. **Day G, Evans K, Wharton B:** Abnormalities of insulin and growth hormone secreton in children with coeliac disease. Arch Dis Child 48:41-6, Jan 73
ATROPHY/ BLOOD SUGAR/ CELIAC DISEASE, complications/ CELIAC DISEASE, diagnosis/ *CELIAC DISEASE, metabolism/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, complications/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA/ INFANT/ INSULIN, blood/ *INSULIN, secretion/ JEJUNUM, pathology/ MEAT/ NUTRITION DISORDERS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ TOLBUTAMIDE, diagnostic use

836. **Deamer DW, Baskin RJ:** ATP synthesis in sarcoplasmic reticulum. Arch Biochem Biophys 153:47-54, Nov 72
ACETIC ACIDS, pharmacodynamics/ ADENINE NUCLEOTIDES/ *ADENOSINE TRIPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ HYDRAZONES, pharmacodynamics/ LOBSTERS/ NITRILES, pharmacodynamics/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ PHENYLHYDRAZINE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, analysis/ RATS/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ TYROTHRICIN, pharmacodynamics/ UNCOUPLING AGENTS, pharmacodynamics/ VALINOMYCIN, pharmacodynamics

837. **DeAngelo AB, Fujimoto GI:** Translational control of specific uterine protein synthesis after estrogen induction. Proc Natl Acad Sci USA 70:18-21, Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DACTINOMYCIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ LEUCINE, metabolism/ *PROTEINS, biosynthesis/ PROTEINS, isolation & purification/ RATS/ STIMULATION, CHEMICAL/ *TRANSLATION, GENETIC, drug effects/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism

838. **De Bault LE, Johnston E, Loeffelholz P:** Incidence of XYY and XXY individuals in a security hospital population. Dis Nerv Syst 33:590-3, Sep 72
ADULT/ AGGRESSION/ BRAIN DAMAGE,

CHRONIC, familial & genetic/ *CRIME/ HOSPITALS, PSYCHIATRIC/ HUMAN/ IOWA/ KARYOTYPING/ MALE/ MENTAL RETARDATION, familial & genetic/ MIDDLE AGE/ PERSONALITY DISORDERS, familial & genetic/ PRISONS/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOME ABNORMALITIES, occurrence/ SOCIAL BEHAVIOR DISORDERS, familial & genetic

839. Debeljuk L, Arimura A, Redding T, et al: Effect of TRH and triiodothyronine on prolactin release in sheep.
Proc Soc Exp Biol Med 142:421-3, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ IODINE ISOTOPES/ LH, blood/ MALE/ PITUITARY GLAND, drug effects/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics/ VASECTOMY

840. Deby C, Bacq ZM: Action de l'indométhacine, inhibiteur de la biosynthèse des prostaglandines, sur les lipides plasmatiques du rat.
C R Soc Biol (Paris) 166:750-3, 1972 (Fre)
ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *INDOMETHACIN, pharmacodynamics/ *LIPIDS, blood/ PHOSPHOLIPIDS, blood/ *PROSTAGLANDINS, biosynthesis/ RATS/ TRIGLYCERIDES, blood

841. Dechamps P, Potvliege R: L'ostéoporose dans la sclérose en plaques.
Acta Neurol Belg 72:215-25, Jul-Aug 72 (Fre)
ADULT/ AGE FACTORS/ AGED/ *CALCINOSIS, etiology/ CUSHING'S SYNDROME, chemically induced/ DEMYELINATION, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, adverse effects/ MALE/ MIDDLE AGE/ *MULTIPLE SCLEROSIS, complications/ MULTIPLE SCLEROSIS, radiography/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ QUADRIPLEGIA, etiology

842. Deck KA, Champion PK Jr, Conn JW: Urinary free aldosterone in healthy people and in patients with primary aldosteronism.
J Clin Endocrinol Metab 36:756-60, Apr 73
*ALDOSTERONE, urine/ GLUCURONATES, urine/ HUMAN/ *HYPERALDOSTERONISM, urine/ RADIOIMMUNOASSAY/ TRITIUM

843. Decker DG: The diagnosis and management of ovarian cancer. South Med J 66:369-74, Mar 73
ADULT/ AGED/ ALKYLATING AGENTS, therapeutic use/ CASTRATION/ FEMALE/ HUMAN/ HYSTERECTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery

844. Decker DG, Webb MJ, Holbrook MA: Radiogold treatment of epithelial cancer of ovary: late results.
Am J Obstet Gynecol 115:751-8, 15 Mar 73
ADULT/ AGED/ ASCITES, prevention & control/ FEMALE/ GOLD COLLOID, RADIOACTIVE, administration & dosage/ GOLD COLLOID, RADIOACTIVE, adverse effects/ *GOLD COLLOID, RADIOACTIVE, therapeutic use/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ RADIOTHERAPY DOSAGE/ RUPTURE/ TIME FACTORS

845. Dedek W, Schmidt R: Untersuchungen zum transplazentaren Transport und Metabolismus von 3 H- und 14 C-markiertem DDT in graviden Mäusen unter Hungerbelastung. Pharmazie 27:294-7, May 72 (Ger)
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ DDT, administration & dosage/ DDT, blood/ *DDT, metabolism/ FEMALE/ FETUS, metabolism/ INJECTIONS, INTRAPERITONEAL/ LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ MICE/ PLACENTA, metabolism/ PREGNANCY/ STARVATION/ TIME FACTORS/ TRITIUM

846. DeGirolami U, Zvaigzne O: Modification of the Achúcarro-Hortega pineal stain for paraffin-embedded formalin-fixed tissue.
Stain Technol 48:48-50, Jan 73
FORMALDEHYDE/ MICROSCOPY, ELECTRON/ PARAFFIN/ *PINEAL BODY, cytology/ SILVER/ *STAINS AND STAINING

847. DeGroot WJ: Cardiomyopathy associated with endocrine disorders.
Cardiovasc Clin 4:305-31, 1972 (86 ref.)
ACROMEGALY, complications/ ACROMEGALY, pathology/ ADDISON'S DISEASE, complications/ CARDIAC OUTPUT/ CORONARY DISEASE, etiology/ CUSHING'S SYNDROME, complications/ ELECTROCARDIOGRAPHY/ *ENDOCRINE DISEASES, complications/ GOITER, EXOPHTHALMIC, diagnosis/ HEART, physiopathology/ HEART FAILURE, CONGESTIVE, etiology/ HEMODYNAMICS/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, radiography/ MYOCARDIAL DISEASES, SECONDARY, diagnosis/ *MYOCARDIAL DISEASES, SECONDARY, etiology/ MYOCARDIUM, pathology/ MYXEDEMA, physiopathology/ MYXEDEMA, radiography/ PANCREATIC DISEASES, complications/ PARATHYROID DISEASES, complications/ PERICARDIAL EFFUSION, etiology/ REVIEW

848. Deicher H: Corticosteroide vor Bluttransfusionen.
Dtsch Med Wochenschr 98:288, 9 Feb 73 (Ger)
*BLOOD TRANSFUSION/ HUMAN/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ PREMEDICATION

849. Deichmann WB, Cubit DA, MacDonald WE, et al
Organochlorine pesticides in the tissues of the great barracuda (Sphyraena barracuda) (Waldbaum).
Arch Toxikol 29:287-309, 1972
*ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DDD, analysis/ DDE, analysis/ DDT, analysis/ *FISHES/ FLORIDA/ GONADS, analysis/ *INSECTICIDES, ORGANOCHLORINE, analysis/ INTESTINES, analysis/ LIVER, analysis/ REPRODUCTION/ SEASONS/ UNITED STATES/ *WATER POLLUTION, CHEMICAL

850. Deigert FA, Allen KD: Keloids: reassessment of irradiation therapy. Rocky Mt Med J 70:35-7, Feb 7
HUMAN/ *KELOID, radiotherapy/ METHODS/ *POSTOPERATIVE COMPLICATIONS, radiotherapy/ STEROIDS, therapeutic use

851. Dekel N, Shahar A, Soferman N, et al: Effect on EDT/ on human cumulus granulosa cells.
Isr J Med Sci 8:2004-7, Dec 72
*CELL MEMBRANE, drug effects/ CELLS, CULTURED/ *EDTA, pharmacodynamics/ *GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ METHODS/ MICROSCOPY, ELECTRON

852. De la Brassinne M, Leclercq R, Couteaux-Dumont C
Informatique et psoriasis.
Arch Belg Dermatol Syphiligr 28:121-9, Apr-Jun 7 (Fre
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ COMPUTERS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/

MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PSORIASIS, etiology/ PSORIASIS, familial & genetic/ PSORIASIS, occurrence/ PUBERTY/ QUESTIONNAIRES/ SEASONS

853. **De la Fuente P, Diaz Castellanos R, Gonzalez A, et al:** Inhibition de la contraction utérine. Quelques aspects et rapports avec l'AMPc.
J Gynecol Obstet Biol Reprod (Paris) 1:497-507, Sep 72 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADULT/ ANIMAL EXPERIMENTS/ DRUG ANTAGONISM/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ IN VITRO/ INJECTIONS, INTRAVENOUS/ MUSCLE, SMOOTH, metabolism/ *ORCIPRENALINE, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PREGNANCY/ RATS/ *THEOPHYLLINE, pharmacodynamics/ *UTERUS, drug effects/ UTERUS, metabolism

854. **Deicher HK, Eisenbarth GS, Lebovitz HE:** Fatty acid inhibition of sulfation factor-stimulated 35 SO 4 incorporation into embryonic chicken cartilage.
J Biol Chem 248:1901-5, 25 Mar 73
ACETATES, pharmacodynamics/ ACETOACETATES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD/ BUTYRATES, pharmacodynamics/ CAPRYLATES, pharmacodynamics/ CARTILAGE, drug effects/ *CARTILAGE, metabolism/ CATTLE/ CHICK EMBRYO/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HUMAN/ HYDROXYBUTYRATES, pharmacodynamics/ MUCOPOLYSACCHARIDES, biosynthesis/ OLEIC ACID, pharmacodynamics/ PALMITIC ACID, pharmacodynamics/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ SODIUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SULFATES, metabolism/ SULFUR ISOTOPES

855. **Delescluse J, De Bast C, Achten G:** Pyoderma gangrenosum with altered cellular immunity and dermonecrotic factor. Br J Dermatol 87:529-32, Dec 72
ANIMAL EXPERIMENTS/ ANTIGENS/ CANDIDA, immunology/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ GRAFT REJECTION/ GUINEA PIGS/ HUMAN/ *IMMUNITY, CELLULAR/ LYMPHOCYTES, immunology/ MIDDLE AGE/ *NECROSIS/ NITROBENZENES/ PLANT AGGLUTININS/ PREDNISOLONE, therapeutic use/ PYODERMA, drug therapy/ *PYODERMA, immunology/ SKIN, transplantation/ SKIN TESTS/ SKIN ULCER, drug therapy/ *SKIN ULCER, immunology/ STREPTODORNASE AND STREPTOKINASE, diagnostic use/ TRANSPLANTATION, AUTOLOGOUS/ TRICHOPHYTIN/ TUBERCULIN TEST

856. **Delespesse G, Duchateau J, Collet H, et al:** Lymphocyte transformation with thyroglobulin in thyroid diseases. Clin Exp Immunol 12:439-45, Dec 72
AUTOANTIBODIES/ CHRONIC DISEASE/ GOITER, immunology/ GOITER, EXOPHTHALMIC, immunology/ GOITER, NODULAR, immunology/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug effects/ *THYROGLOBULIN/ *THYROID DISEASES, immunology/ THYROIDITIS, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

857. **De Leval J:** Myélome du testicule.
Acta Urol Belg 40:597-603, Jul 72 (Fre)
AUTOPSY/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY NEOPLASMS, etiology/ MALE/ MIDDLE AGE/ *MULTIPLE MYELOMA, pathology/ MULTIPLE MYELOMA, surgery/ NEOPLASM METASTASIS/ *TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

858. **Delost P:** Etude expérimentale des causes de la reprise printalère de l'activité sexuelle chez les mammifères à cycle reproducteur saisonnier.
C R Soc Biol (Paris) 166:879-84, 1972 (Fre)
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ LIGHT/ MALE/ MICE/ ORGAN WEIGHT/ PLANTS, EDIBLE/ *REPRODUCTION/ *RODENTS, physiology/ SEASONS/ SEMINAL VESICLES, physiology/ *SEX BEHAVIOR, ANIMAL/ TEMPERATURE/ *TESTIS, physiology

859. **De Marco C, Rinaldi A:** Synthesis of homohypotaurine (3-aminopropansulfinic acid) and homothiotaurine (3-aminopropanthiosulfonic acid).
Anal Biochem 51:265-73, Jan 73
AMINES/ BROMINE/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ DISULFIDES/ DISULFIDES, chem synthesis/ ELECTROPHORESIS, PAPER/ IMIDES/ IODINE/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ SPECTROPHOTOMETRY, INFRARED/ *SULFINIC ACIDS, chem synthesis/ *SULFONIC ACIDS, chem synthesis

860. **DeMars R, Held KR:** The spontaneous azaguanine-resistant mutants of diploid human fibroblasts. Humangenetik 16:87-110, 1972
ADENINE/ *AZAGUANINE, pharmacodynamics/ CELLS, CULTURED/ DIPLOIDY/ DRUG RESISTANCE/ ELECTROPHORESIS/ *FIBROBLASTS, drug effects/ GELS/ GENES/ GENETICS, BIOCHEMICAL/ GENETICS, HUMAN/ HUMAN/ HYPOXANTHINES/ LESCH-NYHAN SYNDROME/ MALE/ *MUTATION/ PENTOSYLTRANSFERASES/ SEX CHROMOSOMES

861. **Dembo DH:** Definitive therapy in cardiopulmonary resuscitation. Md State Med J 22:85-6, Mar 73
ACIDOSIS, drug therapy/ ADRENAL CORTEX HORMONES, therapeutic use/ ATROPINE, therapeutic use/ CALCIUM CHLORIDE, therapeutic use/ DIURETICS, therapeutic use/ ELECTRIC COUNTERSHOCK/ EPINEPHRINE, therapeutic use/ HUMAN/ *PULMONARY HEART DISEASE, drug therapy/ *RESUSCITATION

862. **Demers LM, Macdonald GJ, Greep RO:** Hormonal control of endometrial glycogen metabolism in the Macaca arctoides.
Am J Phys Anthropol 38:183-7, Mar 73
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, metabolism/ ESTRUS/ FEMALE/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *MACACA, physiology/ MONKEYS/ *PROGESTERONE, physiology/ TIME FACTORS

863. **Demers LM, Yoshinaga K, Greep RO:** Uterine glycogen metabolism of the rat in early pregnancy.
Biol Reprod 7:297-304, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRUS/ FEMALE/ GESTATIONAL AGE/ GLYCOGEN, analysis/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, analysis/ GLYCOGEN SYNTHETASE, metabolism/ NIDATION/ OVARY, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ UTERUS, analysis/ UTERUS, enzymology/ *UTERUS, metabolism

864. **Deminatti M, Savary JB:** Cellules amniotiques humaines: etude des chromatines sexuelles X et.
J Gynecol Obstet Biol Reprod (Paris) 1:594-5, Sep 72 (Fre)
AMNIOCENTESIS/ *AMNIOTIC FLUID, cytology/ FEMALE/ HUMAN/ PREGNANCY/ *SEX CHROMATIN/ *SEX DETERMINATION

865. **Denamur R, Martinet J, Short RV:** Pituitary control of

the ovine corpus luteum.
J Reprod Fertil 32:207-20, Feb 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, analysis/ *CORPUS LUTEUM, physiology/ DNA, analysis/ DRUG SYNERGISM/ ESTRUS/ FEMALE/ FSH, pharmacodynamics/ HYPOPHYSECTOMY/ HYSTERECTOMY/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LH, pharmacodynamics/ *PITUITARY GLAND, physiology/ PROGESTERONE, blood/ PROLACTIN, pharmacodynamics/ RNA, analysis/ *SHEEP, physiology

866. Denis R: Survie des malades atteints du cancer de la prostate.
J Urol Nephrol (Paris) 78:641-7, Jul-Aug 72 (Fre)
ADULT/ AGED/ BIOPSY/ COBALT ISOTOPES, therapeutic use/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATECTOMY/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, surgery/ RADIUM, therapeutic use

867. Denisenko PP, Dolgushina AT: Vliianie kholinottropnykh veshchestv, vvedennykh v gipotalamus, na techenie travmaticheskogo shoka.
Farmakol Toksikol 35:657-60, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ *ARECOLINE, therapeutic use/ *BENACTYZINE, therapeutic use/ BLOOD PRESSURE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GALANTHAMINE, therapeutic use/ *HEMICHOLINIUM 3, therapeutic use/ HYPOTHALAMUS/ *HYPOTHALAMUS, drug effects/ MALE/ *NICOTINE, therapeutic use/ RABBITS/ *SHOCK, TRAUMATIC, drug therapy

868. Deodhar SD, Barna B, Van Ordstrand HS: A study of the immunologic aspects of chronic beryllIosis.
Chest 63:309-13, Mar 73
ADULT/ AGED/ *BERYLLIUM, poisoning/ CHRONIC DISEASE/ *DRUG HYPERSENSITIVITY/ FEMALE/ HUMAN/ IGA, analysis/ *IMMUNITY, CELLULAR/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, drug therapy/ LUNG DISEASES, immunology/ LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ *OCCUPATIONAL DISEASES, chemically induced/ OCCUPATIONAL DISEASES, immunology/ PREDNISONE, therapeutic use/ TISSUE CULTURE/ TRITIUM

869. Deprez C, François C: Ion transport and oxidative metabolism. II. Absence of the enzyme carbonic anhydrase in mitochondria isolated from different tissues of the dog and the rat. Biochimie 54:103-7, 1972
ANIMAL EXPERIMENTS/ CARBONATES, metabolism/ *CARBONIC ANHYDRASE, analysis/ CARBONIC ANHYDRASE INHIBITORS/ CENTRIFUGATION/ DOGS/ GASTRIC MUCOSA, enzymology/ KIDNEY, enzymology/ MEMBRANES, enzymology/ METHODS/ MICROSOMES, enzymology/ *MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ RATS/ STOMACH, enzymology/ TEMPERATURE/ THYROID GLAND, enzymology

870. Deshmane SS, Hirschmann H: A study of mechanism for the formolysis of a 20 -tosyloxy steroid.
J Org Chem 38:748-54, 23 Feb 73
CHEMISTRY/ DEUTERIUM/ ISOMERISM/ ISOTOPE LABELING/ METHODS/ *PREGNANES/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TOSYL COMPOUNDS/ TRITIUM

871. Desjardins PR, Lue PF, Liew CC, et al: Purification and properties of rat liver nuclear protein kinases.
Can J Biochem 50:1249-59, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CASEIN/ CATIONS, DIVALENT/ *CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ COBALT/ DRUG STABILITY/ DRUG SYNERGISM/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HEAT/ HYDROGEN-ION CONCENTRATION/ *LIVER, enzymology/ MAGNESIUM/ NUCLEOTIDES/ OSMOLAR CONCENTRATION/ PHOSPHOPROTEINS/ PHOSPHOTRANSFERASES, analysis/ PHOSPHOTRANSFERASES, antagonists & inhibitors/ *PHOSPHOTRANSFERASES, isolation & purification/ PROTEINS/ RATS

872. Destombes P, Destombes M, Martin L: Histiocytose lipidique ganglionnaire pseudo-tumorale. Nouvelle observation chez une jeune Martiniquaise.
Bull Soc Pathol Exot 65:481-8, May-Jun 72 (Fre)
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS/ EYELID DISEASES/ FEMALE/ GRANULOMA/ HUMAN/ LIPIDS, analysis/ LYMPH NODES, pathology/ LYMPHADENITIS/ NECK/ NOSE DISEASES/ *RETICULOENDOTHELIOSIS/ RETICULOENDOTHELIOSIS, diagnosis/ RETICULOENDOTHELIOSIS, pathology/ WEST INDIES

873. Detenbeck LC, Sim FH, Johnson EW Jr: Symptomatic Paget disease of the hip. JAMA 224:213-7, 9 Apr 73
ACETABULUM/ ADULT/ AGE FACTORS/ AGED/ ARTHROPLASTY/ BIOPSY/ BONE NEOPLASMS, radiotherapy/ FEMALE/ FEMORAL NECK FRACTURES, surgery/ FEMUR HEAD/ FIBROSARCOMA, radiotherapy/ FOLLOW-UP STUDIES/ *HIP/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS/ OSTEITIS DEFORMANS, surgery/ OSTEOPOROSIS, radiography/ OSTEOSCLEROSIS, pathology/ OSTEOSCLEROSIS, radiography/ PELVIC BONES/ PROGNOSIS/ SARCOMA, OSTEOGENIC, radiotherapy/ TIME FACTORS

874. Détrie P, Bussière G, Pezé W: Le syndrome de Mendelson (inhalation bronchique de liquide gastrique). Son traitement par la corticothérapie massive.
Chirurgie 98:606-10, 11 Oct 72 (Fre)
ADULT/ *ANESTHESIA, GENERAL, adverse effects/ ANESTHESIA, OBSTETRICAL, adverse effects/ ANTIBIOTICS, therapeutic use/ COMA, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ GASTRIC JUICE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ INTUBATION, INTRATRACHEAL/ LAPAROTOMY, adverse effects/ *PNEUMONIA, ASPIRATION, drug therapy/ PNEUMONIA, ASPIRATION, etiology/ POISONING, complications/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY, ECTOPIC, surgery/ SHOCK, complications

875. Devečerski V: Etude histoenzymologique de la glande pinéale du rat en adaptation au froid.
C R Soc Biol (Paris) 166:970-2, 1972 (Fre)
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *COLD/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE ISOENZYMES, analysis/ MALE/ NAD/ *OXIDOREDUCTASES, analysis/ *PINEAL BODY, enzymology/ PINEAL BODY, physiology/ SUCCINATE DEHYDROGENASE, analysis

876. Devečerski V: Contribution histoenzymologique à l'étude du métabolisme de la glande pinéale chez la rattie gravide.
C R Soc Biol (Paris) 166:731-2, 1972 (Fre)
ANIMAL EXPERIMENTS/ FEMALE/ GLUCOSE, metabolism/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ ISOCITRATE DEHYDROGENASE,

metabolism/ LACTATE DEHYDROGENASE, metabolism/ *OXIDOREDUCTASES, analysis/ *PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ PINEAL BODY, physiology/ *PREGNANCY, ANIMAL/ RATS

877. **De Visscher M, Vandenbroucke-van den H:** Etude de la pinocytose et de l'hydrolyse de la thyroglobuline par la cellule thyroidienne normale et pathologique.
Bull Acad R Med Belg 12:263-88, 1972 **(Fre)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROLYSIS/ *PINOCYTOSIS/ *THYROGLOBULIN, metabolism/ *THYROID GLAND, metabolism/ THYROID GLAND, physiopathology

878. **Devlin JG, Varma MP, Kuti J, et al:** Studies on growth hormone release and cortisol with intravenous glucose loading.
Ir J Med Sci 141:69-78, Apr-Jun 72
ADULT/ CATECHOLAMINES, urine/ FEMALE/ *GLUCOSE, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ MALE/ *SOMATOTROPIN, secretion/ *STRESS, metabolism

879. **Dewey WC, Miller HH, Nagasawa H:** Interactions between S and G1 cells. Effects on decay of synchrony.
Exp Cell Res 77:73-8, 15 Mar 73
AUTORADIOGRAPHY/ CELL COUNT/ *CELL DIVISION/ CELL LINE/ CULTURE MEDIA/ *DNA, biosynthesis/ FEMALE/ HAMSTERS/ METHODS/ *MITOSIS/ OVARY/ TIME FACTORS

880. **Dey AC, Abbott EC, Rusted IE, et al:** Excretion of conjugated 11-deoxy-17-ketosteroids in "essential" hypertension.
Can J Biochem 50:1273-81, Dec 72
ADULT/ AGE FACTORS/ AGED/ ALDOSTERONE, urine/ ANDROSTENES, urine/ ANDROSTERONE, urine/ BLOOD PRESSURE/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CREATININE, urine/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ GLUCURONATES, urine/ HUMAN/ HYPERTENSION, physiopathology/ *HYPERTENSION, urine/ *17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ OXIDOREDUCTASES, metabolism/ SEX FACTORS/ STEROID HYDROXYLASES, metabolism/ SULFURIC ACIDS, urine/ TRITIUM

881. **Deysine M, Mraovitch S, Mader M, et al:** Serum calcium alterations produced by enterectomy in normal and parathyroidectomized dogs.
Surg Gynecol Obstet 136:421-4, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CALCIUM, analysis/ *CALCIUM, blood/ DOGS/ EDTA/ FEMALE/ HEMATOCRIT/ HYPOCALCEMIA, chemically induced/ *INTESTINE, SMALL, physiology/ LYMPH, analysis/ LYMPH, physiology/ MALE/ *PARATHYROID GLANDS, physiology/ PROTEINS, analysis/ THORACIC DUCT, physiology

882. **Dhalla NS, Sulakhe PV:** Calcium transport by the subcellular particles of the skeletal muscle of genetically dystrophic hamster.
Biochem Med 7:159-68, Feb 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM/ CALCIUM, metabolism/ DISEASE MODELS, ANIMAL/ FEMALE/ HAMSTERS/ HINDLIMB/ MAGNESIUM/ MALE/ MITOCHONDRIA, MUSCLE, enzymology/ *MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, metabolism/ MUSCULAR DYSTROPHY, ANIMAL, familial & genetic/ *MUSCULAR DYSTROPHY, ANIMAL, metabolism/ PROTEIN BINDING/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ TIME FACTORS

883. **Diab IM, Roth LJ:** Autoradiography of freeze-dried marrow, spleen, cartilage and undecalcified bone.
J Reticuloendothel Soc 12:503-13, Nov 72
ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ *BONE AND BONES/ *BONE MARROW/ CARBON ISOTOPES/ *CARTILAGE/ DECALCIFICATION TECHNIC/ FREEZE DRYING/ MERCAPTOETHYLAMINES/ METHODS/ MICE/ RADIATION-PROTECTIVE AGENTS/ RATS/ *SPLEEN/ STAINS AND STAINING/ TOSYL COMPOUNDS

884. **Diab M, Söremark R:** Radioautographic observations on the uptake and distribution of chromium-51 in mice.
Nucl Med (Stuttg) 11:419-27, 30 Dec 72
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ AUTORADIOGRAPHY/ BLOOD, metabolism/ BONE AND BONES, metabolism/ CENTRAL NERVOUS SYSTEM, metabolism/ CHROMIUM ISOTOPES, metabolism/ *CHROMIUM ISOTOPES, metabolism/ FEMALE/ FETUS/ INJECTIONS, INTRAVENOUS/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MICE/ PANCREAS, metabolism/ PREGNANCY/ STOMACH, metabolism/ TOOTH, metabolism

885. **Diard F, Levot J, Tavernier J:** L'artériographie surrénalienne.
Bord Med 5:1435-48, Jun 72 **(Fre)**
ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, radiography/ *ANGIOGRAPHY/ AORTOGRAPHY/ ENGLISH ABSTRACT/ HUMAN

886. **Dick HM, Boyd GA, Briggs JD, et al:** Severe rejection of an HL-A identical sibling renal transplant. Results of MLC tests.
Tissue Antigens 2:480, 1972
AZATHIOPRINE, therapeutic use/ FEMALE/ *GRAFT REJECTION/ HUMAN/ *KIDNEY, transplantation/ *LEUKOCYTE CULTURE TEST, MIXED/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ TWINS

887. **Dick HM, Briggs JD, Wood RF, et al:** Severe rejection of an HL-A identical sibling renal transplant.
Tissue Antigens 2:345-51, 1972
ADULT/ AZATHIOPRINE, administration & dosage/ CREATININE, blood/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *GRAFT REJECTION/ *HISTOCOMPATIBILITY ANTIGENS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNE ADHERENCE REACTION/ KIDNEY, physiopathology/ *KIDNEY, transplantation/ LEUKOCYTE COUNT/ MALE/ PREDNISOLONE, administration & dosage/ PREDNISONE, administration & dosage/ PYELONEPHRITIS, surgery/ TRANSPLANTATION, HOMOLOGOUS

888. **Dick JS:** Bilateral theca lutein cysts associated with apparently normal pregnancy.
J Obstet Gynaecol Br Commonw 79:852-4, Sep 72
ADULT/ FEMALE/ GONADOTROPINS, CHORIONIC/ HUMAN/ *OVARIAN CYSTS, pathology/ OVARIAN CYSTS, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS

889. **Diculescu I, Popescu LM:** Ultrastructural distribution of calcium in striated muscle fibres.
Rev Roum Physiol 10:13-22, 1973
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, physiology/ ELECTRON PROBE MICROANALYSIS/ FROGS/ MITOCHONDRIA, MUSCLE, metabolism/ MUSCLE CONTRACTION/ *MUSCLES, metabolism/ MUSCLES, physiology/ SARCOLEMMA, metabolism/ SARCOPLASMIC RETICULUM, metabolism

890. **Diddle AW, Semmer JR, Slowey JF:** Cesarean section. Changing philosophy.
Postgrad Med 53:160-5, Mar 73
CERVIX NEOPLASMS/ *CESAREAN SECTION/ ERYTHROBLASTOSIS, FETAL/ FEMALE/ FETAL MEMBRANES/ HUMAN/ LABOR COMPLICATIONS/ LABOR

PRESENTATION/ PLACENTA DISORDERS/ PREGNANCY/ PREGNANCY IN DIABETES/ PREGNANCY TOXEMIAS/ PUERPERAL INFECTION/ RUPTURE/ STERILIZATION, SEXUAL

891. **Diebel ND, Yamamoto M, Bogdanove EM:** Discrepancies between radioimmunoassays and bioassay for rat FSH: evidence that androgen treatment and withdrawal can alter bioassay-immunoassay ratios.
Endocrinology 92:1065-78, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ *FSH, analysis/ FSH, blood/ GONADOTROPINS, CHORIONIC/ GONADOTROPINS, EQUINE/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ IODINE ISOTOPES/ LH/ MALE/ PITUITARY GLAND, analysis/ PITUITARY GLAND, physiology/ PROLACTIN/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RATS/ THYROTROPIN/ TISSUE EXTRACTS

892. **Dieckhoff D:** Akneiforme Exantheme bei akuter infektiöser Hepatitis.
Z Gastroenterol 10:483-8, Oct 72 (Ger)
ACNE, enzymology/ ACNE, etiology/ ACNE, metabolism/ ACUTE DISEASE/ ADOLESCENCE/ ADULT/ ALANINE AMINOTRANSFERASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ ENGLISH ABSTRACT/ EXANTHEMA, enzymology/ *EXANTHEMA, etiology/ EXANTHEMA, metabolism/ FEMALE/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, enzymology/ HEPATITIS, INFECTIOUS, metabolism/ HUMAN/ MALE/ SHWARTZMAN PHENOMENON, metabolism/ TESTOSTERONE, metabolism

893. **Dieterich WR, Schmidt PK, Günther H, et al:** Die Nierengrösse in der Differenzierung von Nierenarterienstenosen mit und ohne Aktivierung des Renin-Angiotensin-Systems.
Dtsch Gesundheitsw 27:2065-8, 2 Nov 72 (Ger)
ADOLESCENCE/ ADULT/ AGED/ ANGIOTENSIN, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, metabolism/ KIDNEY, anatomy & histology/ *KIDNEY, pathology/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ *RENAL ARTERY OBSTRUCTION, diagnosis/ RENAL ARTERY OBSTRUCTION, metabolism/ RENIN, metabolism

894. **Dihlmann W, Müller G:** Pseudo-Becbterew-Befunde beim Hyperparathyreoidismus bzw. bei der renalen Osteopathie.
Z Rheumaforsch 31:401-8, Sep-Oct 72 (Ger)
ENGLISH ABSTRACT/ HAND, radiography/ HUMAN/ HUMERUS/ *HYPERPARATHYROIDISM, radiography/ ISCHIUM, pathology/ OSTEOSCLEROSIS, radiography/ RENAL OSTEODYSTROPHY, pathology/ *RENAL OSTEODYSTROPHY, radiography/ SACROILIAC JOINT, pathology/ SACROILIAC JOINT, radiography/ *SPONDYLITIS, ANKYLOSING, radiography

895. **Di Marco AT, Franceschi C, Prodi G:** Helper activity of histocompatibility antigens on cell-mediated immunity. Eur J Immunol 2:240-2, Jun 72
ANIMAL EXPERIMENTS/ GRAFT REJECTION/ *HISTOCOMPATIBILITY ANTIGENS/ IMMUNE TOLERANCE/ *IMMUNITY, CELLULAR/ RATS/ RATS, INBRED F344/ RATS, INBRED LEW/ SEX CHROMOSOMES/ SEX FACTORS/ SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS

896. **Dimicoli JL, Hélène C:** Complex formation between purine and indole derivatives in aqueous solutions. Proton magnetic resonance studies.
J Am Chem Soc 95:1036-44, 21 Feb 73
ADENOSINE/ CHEMISTRY/ *INDOLES/ MATHEMATICS/ MODELS, CHEMICAL/ *NUCLEAR MAGNETIC RESONANCE/ *PURINES/ SEROTONIN/ SOLUTIONS/ TRYPTAMINES/ TRYPTOPHAN

897. **Dinnendahl V, Peters HD, Heim UK, et al:** Studies on the mechanism of the antilipolytic effect of Paraoxon.
Arch Toxikol 30:175-82, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ANTIDOTES, pharmacodynamics/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ *INSECTICIDES, ORGANOPHOSPHATE, pharmacodynamics/ *LIPIDS, metabolism/ MALE/ OXIMES, pharmacodynamics/ PARAOXON, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS, metabolism/ RATS/ TRITIUM

898. **Dinulescu E, Ganea E, Oiteanu M:** Dozarea automată a iodului stabil în ţesut tiroidian.
Stud Cercet Endocrinol 24:131-4, 1973 (Rum)
ANIMAL EXPERIMENTS/ GOITER, metabolism/ *IODINE, analysis/ IODINE, metabolism/ RATS/ *THYROID GLAND, analysis/ THYROID GLAND, metabolism/ THYROID NEOPLASMS, metabolism

899. **Dioguardi N:** L'edema del cardiopatico.
Minerva Med 64:87-108, 17 Jan 73 (Ita)
ALDOSTERONE, metabolism/ BLOOD PRESSURE/ EDEMA, etiology/ GLOMERULAR FILTRATION RATE/ HEART DISEASES, complications/ HEART FAILURE, CONGESTIVE, etiology/ *HEART FAILURE, CONGESTIVE, physiopathology/ HUMAN/ JUXTAGLOMERULAR APPARATUS, physiopathology/ PULMONARY EDEMA, etiology/ PULMONARY HEART DISEASE, complications/ SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE

900. **Diomede-Fresa V, Salamanna S, Restuccia P, et al:** Sul ricambio dei solfomucopolisaccaridi cartilaginei in ratti surrenalectomizzati e trattati con escina.
Arch Sci Med (Torino) 129:145-9, Jul-Sep 72 (Ita)
*ADRENALECTOMY/ *AESCULUS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARTILAGE, metabolism/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *MUCOPOLYSACCHARIDES, metabolism/ RATS

901. **DiPasquale G, Rassaert CL, McDougall E, et al:** Action of an estradiol-17beta antagonist in intact, ovariectomized, hypophysectomized and hypophysectomized-ovariectomized rats.
Contraception 5:39-51, Jan 72
ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ BIOLOGICAL ASSAY/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, antagonists & inhibitors/ FEMALE/ HYPOPHYSECTOMY/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, physiology/ PITUITARY HORMONES, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ STYRENES, pharmacodynamics/ UTERUS, drug effects

902. **Distler A, Just HJ, Philipp T:** Untersuchungen zur Pathogenese des Hochdrucks bei primärem aldosteronismus.
Dtsch Med Wochenschr 98:100-5, 19 Jan 73 (Ger)
ADULT/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ ENGLISH ABSTRACT/ FEMALE/ HEART RATE/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, physiopathology/ *HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ SPIRONOLACTONE,

therapeutic use/ TIME FACTORS/ VASCULAR RESISTANCE

903. **Djahanguiri B, Taubin HL, Landsberg L:** Increased sympathetic activity in the pathogenesis of restraint ulcer in rats. J Pharmacol Exp Ther 184:163-8, Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRETYLIUM COMPOUNDS, pharmacodynamics/ FEMALE/ HALF-LIFE/ HYDROXYDOPAMINE, pharmacodynamics/ IMMOBILIZATION/ IN VITRO/ METHYLDOPA, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RATS/ STOMACH, metabolism/ STOMACH ULCER, etiology/ *STOMACH ULCER, physiopathology/ STRESS, complications/ SUBMANDIBULAR GLAND, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TRITIUM

904. **Doak PB, Becroft DM, Harris EA, et al:** Pneumocystis carinii pneumonia--transplant lung.
Q J Med 42:59-71, Jan 73
*ANOXIA, etiology/ ANTIBIOTICS, therapeutic use/ CARBON DIOXIDE, blood/ *DYSPNEA, etiology/ HUMAN/ *KIDNEY, transplantation/ LUNG, radiography/ OXYGEN, blood/ OXYGEN INHALATION THERAPY/ *PNEUMONIA, INTERSTITIAL PLASMA CELL, etiology/ PNEUMONIA, INTERSTITIAL PLASMA CELL, microbiology/ PNEUMONIA, INTERSTITIAL PLASMA CELL, radiography/ PNEUMONIA, INTERSTITIAL PLASMA CELL, therapy/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ RESPIRATORY FUNCTION TESTS/ *RESPIRATORY INSUFFICIENCY, etiology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ VITAL CAPACITY

905. **Doberneck RC:** An evaluation of wound complications after neck dissection and composite resection utilizing transverse cervical incisions.
Surgery 73:261-5, Feb 73
CAROTID ARTERY DISEASES, etiology/ FISTULA, etiology/ HUMAN/ LARYNGECTOMY/ METHODS/ MOUTH, surgery/ NECK NEOPLASMS, radiotherapy/ *NECK NEOPLASMS, surgery/ NEW MEXICO/ PHARYNGEAL DISEASES, etiology/ *POSTOPERATIVE COMPLICATIONS, occurrence/ *RADICAL NECK DISSECTION/ RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ RUPTURE, SPONTANEOUS, etiology/ SURGICAL WOUND INFECTION, occurrence/ THYROIDECTOMY

906. **Döbrössy L, Rónay P, Molnár L:** Malignant papillary cystadenoma lymphomatosum.
Oncology 26:457-65, 1972
*ADENOLYMPHOMA, pathology/ ADENOLYMPHOMA, surgery/ CARCINOMA/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MIDDLE AGE/ NECK NEOPLASMS/ *PAROTID NEOPLASMS, pathology/ PAROTID NEOPLASMS, surgery/ PITUITARY NEOPLASMS/ POSTOPERATIVE COMPLICATIONS

907. **Dollinger HC:** Malabsorption--zur Klinik und Therapie der Resorptionsstörungen.
Z Allgemeinmed 48:1624-9, 20 Dec 72 (Ger)
AZATHIOPRINE, therapeutic use/ DIET THERAPY/ HUMAN/ *MALABSORPTION SYNDROMES/ MALABSORPTION SYNDROMES, diagnosis/ MALABSORPTION SYNDROMES, drug therapy/ MALABSORPTION SYNDROMES, therapy/ NICOTINAMIDE, therapeutic use/ PENICILLAMINE, therapeutic use/ PREDNISOLONE, therapeutic use

908. **Domány Z, Palkovits M:** Wirkung einmaliger Gabe von Ostrogenen und Ostrogenmetaboliten auf den Hypothalamus und auf die Hypophyse.
Zentralbl Gynaekol 94:1702-6, 9 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CAUDATE NUCLEUS, drug effects/ ENDOMETRIUM, drug effects/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, drug effects/ *PITUITARY GLAND, drug effects/ RATS/ THALAMIC NUCLEI, drug effects

909. **Domschke W, Domschke S, Classen M, et al:** Zur Bedeutung des 3',5'-cyclo-AMP bei der Magensekretion der Ratte.
Hoppe Seylers Z Physiol Chem 353:1509, Oct 72 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ DEXAMETHASONE, pharmacodynamics/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, analysis/ HISTAMINE, pharmacodynamics/ MALE/ RATS/ STOMACH, drug effects

910. **Donaldson J, Pierre TS, Minnich JL, et al:** Determination of Na^+, K^+, Mg^{2+}, Cu^{2+}, Zn^{2+}, and Mn^{2+} in rat brain regions.
Can J Biochem 51:87-92, Jan 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ *MAGNESIUM, analysis/ MALE/ *MANGANESE, analysis/ MEDULLA OBLONGATA, analysis/ METHODS/ OLFACTORY BULB, analysis/ PHOTOMETRY/ *POTASSIUM, analysis/ RATS/ *SODIUM, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *ZINC, analysis

911. **Donath H:** Über eine schonende Methode der Knochen- und Knochenmark-Bopsie.
Med Welt 24:295-7, 23 Feb 73 (Ger)
*BIOPSY/ BIOPSY, NEEDLE/ *BONE AND BONES, anatomy & histology/ *BONE MARROW CELLS/ HUMAN/ ILIUM/ METHODS/ STERNUM

912. **Donegan WL, Perez-Mesa CM:** Carcinoma of the male breast. A 30-year review of 28 cases.
Arch Surg 106:273-9, Mar 73
AGED/ ANDROGENS, therapeutic use/ *BREAST NEOPLASMS/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, mortality/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ CASTRATION/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ MASTECTOMY/ MIDDLE AGE/ PALLIATIVE TREATMENT

913. **Donham KJ, Crawford RP:** Effects of fluorescein isothiocyanate labeling on staining characteristics of a fluorescent antibody conjugate for the diagnosis of leptospirosis. Am J Vet Res 34:267-71, Feb 73
AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL/ BUFFERS/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ *FLUORESCEINS/ FLUORESCEINS, isolation & purification/ *FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN, isolation & purification/ GEL FILTRATION/ GUINEA PIGS/ KIDNEY, microbiology/ LEPTOSPIRA, immunology/ LEPTOSPIRA CANICOLA, immunology/ LEPTOSPIRA ICTEROHAEMORRHAGIAE, immunology/ LEPTOSPIROSIS, diagnosis/ LEPTOSPIROSIS, immunology/ *LEPTOSPIROSIS, veterinary/ RABBITS, immunology/ THIOCYANATES/ THIOCYANATES, isolation & purification/ URINE, microbiology

914. **Donovan BT, Lockhart AN:** Gonadal hormones and the control of ovulation in the guinea-pig.
J Endocrinol 55:599-607, Dec 72
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GONADOTROPINS, secretion/ GUINEA PIGS/

*OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS

915. **Doobeta T, Suzuki H:** [Hashimoto's disease with purpura hyperglobulinemica of Waldenström]
Jap J Clin Hematol 13:966-75, Dec 72 (Jap)
BLOOD COAGULATION TESTS/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD SEDIMENTATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ PURPURA, HYPERGLOBULINEMIC, blood/ *PURPURA, HYPERGLOBULINEMIC, complications/ THYROIDITIS, LYMPHOMATOUS, blood/ *THYROIDITIS, LYMPHOMATOUS, complications

916. **Dordain M:** Les difficultes d'une etude statistique de l'influence d'un prduit hormonal sur la voix. Premiers resultats. J Fr Otorhinolaryngol 21:681-3, Oct 72 (Fre)
*CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ METHODS/ STATISTICS/ TAPE RECORDING/ *VOICE, drug effects

917. **Dorfmann H, Kahn MF, Sèze S de:** Les lupus latrogènes: état actuel de la question. I. Etude clinique et principaux produits incriminés.
Nouv Presse Med 1:2907-12, 2 Dec 72 (Fre)
ANTINUCLEAR FACTORS, analysis/ CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ HYDRALAZINE, adverse effects/ *IATROGENIC DISEASE/ ISONIAZID, adverse effects/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, chemically induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ METHYLDOPA, adverse effects/ PROCAINE AMIDE, adverse effects/ SULFONAMIDES, adverse effects

918. **Dörner G, Stahl F, Baumgarten G:** Signifikante Unterschiede im Testosteron-und 11-OHCS-Gehalt der Fruchtwasser s zwischen männlichen und weiblichen Föten.
Endokrinologie 60:285-8, 1972 (Ger)
*AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, analysis/ INFANT, NEWBORN/ MALE/ PREGNANCY/ *SEX CHARACTERISTICS/ SEX FACTORS/ *TESTOSTERONE, analysis

919. **Dorofeeva GD, Garbuzova LM:** Priobretennyĭ gipotireoz autoimmunnogo geneza u dvukh deteĭ.
Probl Endokrinol (Mosk) 18:46-8, Jul-Aug 72 (Rus)
*AUTOIMMUNE DISEASES/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, immunology

920. **Douglas JG:** The Vanderbilt experience with I 131 treatment for Graves' disease.
South Med J 66:92-4, Jan 73
*GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ RADIOTHERAPY DOSAGE

921. **Douglas JS, Bouhuys A, Lewis A:** Asthme expérimental du cobaye et médiateurs autonomes.
J Physiol (Paris) 65:Suppl:227A-228, Oct 72 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *ASTHMA, chemically induced/ ATROPINE, pharmacodynamics/ *AUTONOMIC DRUGS, pharmacodynamics/ DISEASE MODELS, ANIMAL/ GUINEA PIGS/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *HISTAMINE, pharmacodynamics/ LUNG COMPLIANCE, drug effects/ *METHACHOLINE COMPOUNDS/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, DRUG/ RESPIRATORY SYSTEM, drug effects/ THEOPHYLLINE, pharmacodynamics/ VAGUS NERVE, drug effects

922. **Dousa TP, Rowland RG, Carone FA:** Renal medullary adenylate cyclase in drug-induced nephrogenic diabetes insipidus.
Proc Soc Exp Biol Med 142:720-2, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ AMINES/ ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, chemically induced/ *DIABETES INSIPIDUS, enzymology/ FLUORIDES, pharmacodynamics/ *KIDNEY, enzymology/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, enzymology/ MALE/ RATS/ SODIUM, pharmacodynamics/ THIAZOLES/ VASOPRESSIN, pharmacodynamics

923. **Downie WW, Reid G, Browning MC:** Effects of phenylbutazone on the metabolism of C14-cortisol.
Ann Rheum Dis 32:89-90, Jan 73
CARBON ISOTOPES/ DRUG INTERACTIONS/ ENZYME INDUCTION/ HALF-LIFE/ HUMAN/ *HYDROCORTISONE, metabolism/ OXIDOREDUCTASES, metabolism/ *PHENYLBUTAZONE, pharmacodynamics

924. **Doyle FH:** Radiological patterns of bone disease associated with renal glomerular failure in adults.
Br Med Bull 28:220-4, Sep 72 (28 ref.)
ADOLESCENCE/ ADULT/ BONE DISEASES, etiology/ *BONE DISEASES, radiography/ CALCINOSIS, etiology/ CHRONIC DISEASE/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, radiography/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ OSTEOSCLEROSIS, radiography/ PYELONEPHRITIS, radiography/ REVIEW/ UREMIA, complications

925. **Drake TE, Maibach HI:** Candida and candidiasis. 1. Cultural conditions, epidemiology and pathogenesis.
Postgrad Med 53:83-7, Feb 73
BLOOD, microbiology/ *CANDIDA ALBICANS, isolation & purification/ CARRIER STATE/ CHILD/ ESTROGENS, secretion/ FEMALE/ GLUCOSE, metabolism/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ INTESTINES, microbiology/ *MONILIASIS/ MONILIASIS, ORAL, etiology/ MOUTH, microbiology/ MUCOUS MEMBRANE, metabolism/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS/ PROGESTERONE, secretion/ SKIN, microbiology/ URINE, microbiology/ VAGINA, microbiology

926. **Dray J, Dray TF, Ullmann A:** Etude de l'hydrolyse des métabolites urinaires de différentes hormones stéroïdes par la -glucuronidase de "Escherichia coli".
Ann Inst Pasteur (Paris) 123:853-7, Dec 72 (Fre)
ALDOSTERONE, urine/ ENGLISH ABSTRACT/ *ESCHERICHIA COLI, enzymology/ ESTROGENS, urine/ GLUCURONATES, metabolism/ *GLUCURONIDASE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ 17-HYDROXYCORTICOSTEROIDS, urine/ PREGNANEDIOL, urine/ *STEROIDS, metabolism/ STEROIDS, urine

927. **Dress D:** Les hyperparathyroidies primitives.
Infirm Fr 142:8-10, Feb 73 (Fre)
HYPERPARATHYROIDISM/ SPECIAL LIST NURSING

928. **Drinan JP, Cox RI:** Oestrogens in the peripheral plasma of the cow about the time of parturition.
J Reprod Fertil 32:335-6, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ *LABOR/ PREGNANCY

929. **Drivenes A, Solem JH:** Apatisk thyreotoksikose.
Tidsskr Nor Laegeforen 92:1857-8, 10 Oct 72 (Nor)

AGED/ *ASTHENIA, etiology/ *DEPRESSION, etiology/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ PSYCHOMOTOR DISORDERS, etiology

930. **Drozd JW, Tubb RS, Postgate JR:** A chemostat study of the effect of fixed nitrogen sources on nitrogen fixation, membranes and free amino acids in Azotobacter chroococcum.
J Gen Microbiol 73:221-32, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ASPARTIC ACID, metabolism/ AZOTOBACTER, analysis/ AZOTOBACTER, enzymology/ *AZOTOBACTER, metabolism/ CELL MEMBRANE/ ENZYME REPRESSION/ GLUTAMATES, metabolism/ GLUTAMINE, metabolism/ MICROSCOPY, ELECTRON/ NITRATES, pharmacodynamics/ *NITROGEN FIXATION/ OXIDOREDUCTASES, analysis/ PHOSPHOLIPIDS, analysis

931. **Drury MI, O'Loughlin S, Sweeney EC:** Coexisting Klinefelter's syndrome and primary hypothyroidism with an enlarged pituitary fossa.
Ir J Med Sci 141:19-24, Jan-Mar 72
ADULT/ HUMAN/ *HYPOTHYROIDISM, complications/ *KLINEFELTER'S SYNDROME, complications/ MALE/ *SELLA TURCICA

932. **D'Souza A, Floch MH:** Calcium metabolism in pancreatic disease.
Am J Clin Nutr 26:352-61, Mar 73 (113 ref.)
ACUTE DISEASE/ ADULT/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, therapeutic use/ CALCIUM, DIETARY/ CHOLECALCIFEROL, metabolism/ CHOLECALCIFEROL, physiology/ CHRONIC DISEASE/ FATTY ACIDS, metabolism/ HOMEOSTASIS/ HUMAN/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, etiology/ HYPOPHYSECTOMY/ MALABSORPTION SYNDROMES, complications/ PANCREAS, metabolism/ PANCREAS, physiology/ PANCREATIC DISEASES, complications/ *PANCREATIC DISEASES, metabolism/ PANCREATITIS, metabolism/ PARATHYROID HORMONE, physiology/ PITUITARY GLAND, physiology/ REVIEW/ THYROCALCITONIN, physiology/ THYROXINE, physiology

933. **Dube WJ, Goldsmith RS, Arnaud SB, et al:** Development of antibodies to porcine calcitonin during treatment of Paget's disease of bone.
Mayo Clin Proc 48:43-6, Jan 73
*ANTIBODY FORMATION/ BINDING SITES, ANTIBODY/ CHROMATOGRAPHY/ ELECTROPHORESIS, PAPER/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ OSTEITIS DEFORMANS, drug therapy/ *OSTEITIS DEFORMANS, immunology/ SWINE/ *THYROCALCITONIN, therapeutic use/ TIME FACTORS

934. **Dubin NH, Crystle CD, Grannis GF, et al:** Comparison of maternal serum estriol and urinary estrogen determinations as indices of fetal health.
Am J Obstet Gynecol 115:835-41, 15 Mar 73
ADOLESCENCE/ ADULT/ CREATININE, urine/ *ESTRIOL, blood/ *ESTROGENS, urine/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, urine/ TIME FACTORS

935. **Ducharme JR, Limal JM, Antic B, et al:** C 21 steroid metabolism and conjugation in the human premature neonate. 2. Tissue metabolism and conjugation of exogenous cortisol, 11-deoxycortisol, corticosterone and pregnenolone in the presence and absence of ACTH in vitro. Acta Endocrinol (Kbh) 72:63-74, Jan 73
ADRENAL GLANDS, metabolism/ CARBON ISOTOPES/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, metabolism/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ HYDROXYLATION/ INFANT, NEWBORN/ *INFANT, PREMATURE/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ *PREGNENOLONE, metabolism/ SKIN, metabolism/ SPLEEN, metabolism/ THYMUS GLAND, metabolism/ TRITIUM

936. **Duenas DA, Preissig S, Summitt RL, et al:** Neurologic manifestations of the Noonan syndrome.
South Med J 66:193-6, Feb 73
*ABNORMALITIES, MULTIPLE, diagnosis/ ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ BONE AND BONES, abnormalities/ CEPHALOMETRY/ CHILD/ CHILD, PRESCHOOL/ CONVULSIONS, complications/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ HYPERKINESIS, complications/ INTELLIGENCE/ KARYOTYPING/ LANGUAGE DISORDERS, complications/ MALE/ MENTAL RETARDATION, complications/ *NEUROLOGIC MANIFESTATIONS/ PHENOTYPE/ PULMONARY VALVE STENOSIS, complications/ SPEECH DISORDERS, complications/ SYNDROME

937. **Dufy B, Vincent JD, Dufy-Barbe L, et al:** Effects of vaginal stimulation and pituitary hormones on sleep patterns in the female rabbit.
Endocrinology 92:1293-5, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *FSH, pharmacodynamics/ HYPOPHYSECTOMY/ *LH, pharmacodynamics/ OVARY, physiology/ PHYSICAL STIMULATION/ PITUITARY GLAND, physiology/ RABBITS/ *SLEEP/ SLEEP, drug effects/ *VAGINA, physiology/ *WAKEFULNESS

938. **Dufy-Barbe L, Franchimont P:** Influence des différents stéroïdes gonadiques sur le taux de la FSH et de la LH chez le rat castré.
C R Soc Biol (Paris) 166:960-4, 1972 **(Fre)**
*ANDROGENS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CASTRATION/ ESTRADIOL, pharmacodynamics/ *FSH, blood/ HYDROXYPROGESTERONE, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ MALE/ RADIOIMMUNOASSAY/ RATS/ TESTOSTERONE, pharmacodynamics

939. **Dukelow WR, Jewett DA, Rawson JM:** Follicular development and ovulation in Macaca fascicularis, Saimiri sciureus and Galago senegalensis.
Am J Phys Anthropol 38:207-9, Mar 73
ANIMAL EXPERIMENTS/ COITUS/ FEMALE/ *GRAAFIAN FOLLICLE, physiology/ LAPAROSCOPY/ MACACA, physiology/ MALE/ *MONKEYS, physiology/ OVULATION/ PHYSIOLOGY, COMPARATIVE/ PREGNANCY/ TIME FACTORS

940. **Dumas J:** Relation entre le taux de corticostéroïdes et la vidange gastrique.
J Physiol (Paris) 65:Suppl:229A, Oct 72 **(Fre)**
*ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL MOTILITY, drug effects/ INJECTIONS, INTRAVENOUS/ MALE/ PITUITARY-ADRENAL SYSTEM/ RATS

941. **Dumas P, Maziere B, Autissier N, et al:** Specificite de l'iodotyrosine deiodase des microsomes thyroidiens et hepatiques.
Biochim Biophys Acta 293:36-47, 12 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ GUANIDINES/ IODINE

ISOTOPES/ IODOTYROSINE/ ISOMERISM/ MALE/ MICROSOMES, enzymology/ *MICROSOMES, LIVER, enzymology/ PEROXIDASES, isolation & purification/ *PEROXIDASES, metabolism/ PHENYLALANINE/ PROPIONATES/ RATS/ SHEEP/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ TYRAMINE

942. **Dunn RP, Nystrom JS:** Association of ectopically produced hyperparathyroidism with hepatoma.
Calif Med 118:48-51, Jan 73
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, diagnosis/ ADULT/ AGED/ *HEPATOMA, complications/ HEPATOMA, diagnosis/ HUMAN/ *HYPERPARATHYROIDISM, etiology/ LIVER FUNCTION TESTS/ *LIVER NEOPLASMS, complications/ LIVER NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE

943. **Dupon C, Rosenfield RL, Cleary RE:** Sequential changes in total and free testosterone and androstenedione in plasma during spontaneous and Clomid-induced ovulatory cycles.
Am J Obstet Gynecol 115:478-83, 15 Feb 73
ADULT/ ANDROGENS, blood/ *ANDROSTENES, blood/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ *CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, blood/ MENSTRUATION/ *MENSTRUATION DISORDERS, drug therapy/ *OVULATION/ PERIODICITY/ PROGESTERONE, blood/ PROTEIN BINDING/ *TESTOSTERONE, blood

944. **Dupont A:** Lichen plan familial.
Arch Belg Dermatol Syphiligr 28:171, Apr-Jun 72 (Fre)
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ LICHEN PLANUS, drug therapy/ *LICHEN PLANUS, familial & genetic/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use

945. **Dupont A, Labrie F, Pelletier G, et al:** Organ distribution of thyrotropin-releasing hormone.
Gen Comp Endocrinol 19:522-6, Dec 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ INTESTINAL MUCOSA, analysis/ KIDNEY, analysis/ LACRIMAL APPARATUS, analysis/ LIVER, analysis/ MALE/ MICE/ PITUITARY GLAND, analysis/ RATS/ SALIVARY GLANDS, analysis/ SKIN, analysis/ *THYROTROPIN RELEASING FACTOR, analysis/ THYROTROPIN RELEASING FACTOR, metabolism/ TIME FACTORS/ TRITIUM

946. **Dupouy JP:** Activité corticostimulante de l'hypophyse du faetus de rat après surrénalectomie maternelle et injection de métopirone à différents stades de la gestation.
C R Acad Sci [D] (Paris) 274:3585-8, 26 Jun 72 (Fre)
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, embryology/ *ADRENALECTOMY/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, physiology/ CORTICOTROPIN, secretion/ FETUS, drug effects/ GESTATIONAL AGE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MATERNAL-FETAL EXCHANGE/ *METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ PREGNANCY/ RATS/ STIMULATION, CHEMICAL

947. **Dupuy JP, Tavernier J, Moreau F, et al:** L'angiographie thyroidienne bis elective.
Bord Med 5:1449-62, Jun 72 (Fre)
*ANGIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PARATHYROID NEOPLASMS, radiography/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, radiography/ *THYROID GLAND, blood supply/ THYROID NEOPLASMS, radiography

948. **Duran-Reynals ML:** Combined neoplastic effects of vaccinia virus and 3-methylcholanthrene. I. Studies with mice of different inbred strains.
J Natl Cancer Inst 48:95-104, Jan 72
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL/ ANTIBODY FORMATION/ CORTISONE, pharmacodynamics/ FEMALE/ IMMUNOSUPPRESSIVE AGENTS/ LEUKEMIA, EXPERIMENTAL, chemically induced/ LEUKEMIA, EXPERIMENTAL, immunology/ LYMPHOCYTES, immunology/ *METHYLCHOLANTHRENE/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NEOPLASMS, EXPERIMENTAL, etiology/ NEOPLASMS, EXPERIMENTAL, immunology/ ONCOGENIC VIRUSES/ SKIN NEOPLASMS, chemically induced/ *SKIN NEOPLASMS, etiology/ SKIN NEOPLASMS, immunology/ SPLEEN, immunology/ THYMECTOMY/ THYMUS GLAND, physiology/ *VACCINIA VIRUS/ VACCINIA VIRUS, immunology

949. **Durič DS, Manojlović D, Đorđević P:** Sekundarni hiperparatiroidizam u hroničnoj bubrežnoj insuficijenciji.
Acta Med Iugosl 26:329-38, 1972 (Cro)
ALKALINE PHOSPHATASE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, complications/ PHOSPHATES, blood/ TIME FACTORS

950. **Durliat M, Vendrely C:** Etude autoradiographique de la synthèse d'ARN dans le noyau et de son transfer au cytoplasme, dans les cellules du tractus génital mâle de la souris blanche après castration.
C R Acad Sci [D] (Paris) 275:2717-20, 6 Dec 72 (Fre)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CASTRATION/ *CELL NUCLEUS, physiology/ CYTIDINE/ *CYTOPLASM, physiology/ *GENITALIA, MALE, physiology/ MALE/ METHODS/ MICE/ *RNA, biosynthesis/ TIME FACTORS/ TRITIUM

951. **Dvořák R, Eckhardt U:** Ultrastrukturveränderungen des Harding-Passey-Melanoms durch Übertragung auf xenogene Wirte. I. Tumorimplantation in die vordere Augenkammer von Ratten und Meerschweinchen.
Arch Dermatol Forsch 245:1-18, 1972 (Ger)
ANIMAL EXPERIMENTS/ *ANTERIOR CHAMBER/ BETAMETHASONE, pharmacodynamics/ CELLULAR INCLUSIONS/ CYCLOPHOSPHAMIDE, pharmacodynamics/ CYTOPLASM, microbiology/ CYTOPLASMIC GRANULES/ ENGLISH ABSTRACT/ *EYE NEOPLASMS, pathology/ FEMALE/ GUINEA PIGS/ IMMUNOSUPPRESSION/ INCLUSION BODIES, VIRAL/ MELANIN/ *MELANOMA, pathology/ MICE/ MICE, INBRED A/ MICE, INBRED DBA/ MICROSCOPY, ELECTRON/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ ONCOGENIC VIRUSES, isolation & purification/ RATS/ RIBOSOMES/ TRANSPLANTATION, HOMOLOGOUS

952. **Dwyer JM, Hosking CS:** Antigen-binding lymphocytes in children with immune deficiency.
Clin Exp Immunol 12:161-9, Oct 72
ADULT/ AGAMMAGLOBULINEMIA, immunology/ ANTIBODIES, BACTERIAL/ ANTIBODY FORMATION/ *ANTIGENS, BACTERIAL/ ATAXIA TELANGIECTASIA, immunology/ BINDING SITES, ANTIBODY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GEL DIFFUSION TESTS/ GENES/ HUMAN/ IGA/ IMMUNIZATION/ IMMUNOGLOBULINS, analysis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ INFANT/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ B-LYMPHOCYTES, immunology/ MALE/ PLANT AGGLUTININS/ SEX CHROMOSOMES/ THYMIDINE, metabolism

953. **Dyer DC, Gant DW:** Vasoconstriction produced by hallucinogens on isolated human and sheep umbilical vasculature. J Pharmacol Exp Ther 184:366-75, Feb 73

ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BRADYKININ, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HALLUCINOGENS, administration & dosage/ *HALLUCINOGENS, pharmacodynamics/ HUMAN/ IN VITRO/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MESCALINE, pharmacodynamics/ PSILOCYBINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SHEEP/ SYMPATHOLYTICS, pharmacodynamics/ TRIPELENNAMINE, pharmacodynamics/ UMBILICAL ARTERIES, drug effects/ UMBILICAL CORD, blood supply/ *UMBILICAL CORD, drug effects/ UMBILICAL VEINS, drug effects/ *VASOCONSTRICTOR AGENTS, pharmacodynamics

954. **Dyggve HV, Melchior JC, Clausen J:** Dyggve-Melchior-Clausen's syndrom (DMC's syndrom. Ugeskr Laeger 135:127, 15 Jan 73 **(Dan)**
ADULT/ CHILD/ *DWARFISM/ *ECCENTRO-OSTEOCHONDRODYSPLASIA/ FEMALE/ HUMAN/ HYALURONIC ACID, metabolism/ ILIUM, abnormalities/ MALE/ *MENTAL RETARDATION/ MUCOPOLYSACCHARIDES, metabolism/ SYNDROME

955. **Dymnikova LP, Zakharzhevskaia NP, Ivanov KP:** Ob afferentnykh sviaziakh tsentra termoreguliatsii. Fiziol Zh SSSR 59:156-63, Jan 73 **(Rus)**
ANIMAL EXPERIMENTS/ COLD/ ENGLISH ABSTRACT/ HEAT/ *HYPOTHALAMUS, physiology/ NEURONS, physiology/ RABBITS/ *RECEPTORS, NEURAL, physiology/ *SEPTUM PELLUCIDUM, physiology/ *SKIN, innervation/ *TEMPERATURE SENSE/ *THALAMIC NUCLEI, physiology/ THERMORECEPTORS, physiology

956. **Dzieniszewski J:** Badania dobowego rytmu 11 hydroksykorykosteroidów w chorobach wątroby u ludzi. Pol Tyg Lek 28:221-3, 5 Feb 73 **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ *CIRCADIAN RHYTHM/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, urine/ *LIVER DISEASES, urine/ MIDDLE AGE

E

957. **Easty DL, Rice NS, Jones BR:** Clinical trial of topical disodium cromoglycate in vernal kerato-conjunctivitis. Clin Allergy 2:99-107, Jun 72
ADOLESCENCE/ ADULT/ CAUCASIAN RACE/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ *DISODIUM CROMOGLYCATE, standards/ DISODIUM CROMOGLYCATE, therapeutic use/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *KERATOCONJUNCTIVITIS, drug therapy/ MALE/ NEGROID RACE/ OPHTHALMIC SOLUTIONS/ PLACEBOS

958. **Ebbesen P, Hesse J:** Influence of hormones, poly I:C, polyvinylpyrrolidon and -stimulators on in vitro infection with murine leukemia virus. Eur J Cancer 8:623-7, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL COUNT/ GLUCAGON, pharmacodynamics/ *INSULIN, pharmacodynamics/ *ISOPROTERENOL, pharmacodynamics/ LEUKEMIA, EXPERIMENTAL, prevention & control/ *MOUSE LEUKEMIA VIRUSES/ *POLY I-C, pharmacodynamics/ *POLYVINYLPYRROLIDONE, pharmacodynamics/ TISSUE CULTURE/ TRIIODOTHYRONINE, pharmacodynamics

959. **Eberst DP, Damron BL, Harms RH:** Protein requirement of growing turkeys. Poult Sci 51:1309-12, Jul 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ CALCIUM, metabolism/ DIET/ *DIETARY PROTEINS, metabolism/ FEMALE/ MALE/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS, metabolism/ *TURKEYS, metabolism

960. **Echeverry G:** Family planning in the immediate postpartum period. Stud Fam Plann 4:33-5, Feb 73
CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ PREGNANCY/ *PUERPERIUM/ SEX EDUCATION

961. **Eclancher F, Schmitt P:** Effets de lésions précoces de l'amygdale et de l'hypothalamus médian sur le développement du comportement d'agression interspécifique du rat. J Physiol (Paris) 65:Suppl:231A, Oct 72 **(Fre)**
AGE FACTORS/ *AGGRESSION, chemically induced/ *AMYGDALOID BODY, physiology/ AMYGDALOID BODY, surgery/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, surgery/ OLFACTORY BULB, physiology/ RATS

962. **Edelman IS:** The initiation mechanism in the action of aldosterone on sodium transport. J Steroid Biochem 3:167-72, Feb 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, metabolism/ CELL NUCLEUS, metabolism/ CHROMATIN, drug effects/ CHROMATIN, metabolism/ CYTOSOL, metabolism/ EPITHELIAL CELLS, drug effects/ EPITHELIAL CELLS, metabolism/ FROGS/ IN VITRO/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, metabolism/ PROTEIN BINDING, drug effects/ RATS/ *SODIUM, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

963. **Edey TN, Clark JR, First NL, et al:** Ovarian response to fasting following high and low planes of nutrition in puberal gilts. J Anim Sci 35:1223-7, Dec 72
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BODY WEIGHT/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ *FASTING/ FEMALE/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, growth & development/ ORGAN WEIGHT/ *OVARY, physiology/ OVULATION/ PITUITARY GLAND, anatomy & histology/ *SWINE, physiology

964. **Edmonds CJ:** Effect of aldosterone on mammalian intestine. J Steroid Biochem 3:143-9, Feb 72
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ELECTRODES/ EPITHELIAL CELLS, analysis/ FROGS/ HUMAN/ IN VITRO/ INTESTINAL MUCOSA, drug effects/ *INTESTINES, drug effects/ KINETICS/ MEMBRANE POTENTIALS, drug effects/ POTASSIUM, metabolism/ RECTUM, drug effects/ RECTUM, metabolism/ SODIUM, analysis/ SODIUM, metabolism/ SODIUM ISOTOPES/ TIME FACTORS

965. **Edmonds MW, Simpson WJ, Meakin JW:** External irradiation of the hypophysis for Cushing's disease. Can Med Assoc J 107:860-2, 4 Nov 72
ADRENALECTOMY/ ADULT/ COBALT ISOTOPES, therapeutic use/ CUSHING'S SYNDROME, diagnosis/ *CUSHING'S SYNDROME, radiotherapy/ CUSHING'S SYNDROME, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND IRRADIATION/ RADIOISOTOPE TELETHERAPY/ REMISSION

966. **Edmondson JW:** Serum calcium measurement. JAMA 223:1388-9, 19 Mar 73
*CALCIUM, blood/ ELECTRODES/ HUMAN/ HYPERPARATHYROIDISM, blood/ METHODS

967. **Edqvist LE, Ekman L, Gustafsson B, et al:** Peripheral

plasma levels of oestrogens and progesterone during late bovine pregnancy.
Acta Endocrinol (Kbh) 72:81-8, Jan 73
ANIMAL EXPERIMENTS/ CATTLE/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GEL FILTRATION/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PUERPERIUM/ RADIOIMMUNOASSAY

968. **Edwards BA, Edwards ME, Thorn NA:** The release in vitro of vasopressin unaccompanied by the axoplasmic enzymes: lactic acid dehydrogenase and adenylate kinase.
Acta Endocrinol (Kbh) 72:417-24, Mar 73
ADENOSINE MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CATTLE/ ELECTRIC STIMULATION/ IN VITRO/ *LACTATE DEHYDROGENASE, analysis/ MALE/ *PHOSPHOTRANSFERASES, analysis/ PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, enzymology/ *PITUITARY GLAND, POSTERIOR, secretion/ POTASSIUM, pharmacodynamics/ PROTEINS, secretion/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *VASOPRESSIN, secretion

969. **Edwards KD:** Antilipaemic drugs and nephrotic hyperlipidaemia.
Prog Biochem Pharmacol 7:370-426, 1972 (272 ref.)
ALKENES/ ANIMAL EXPERIMENTS/ *ANTILIPEMIC AGENTS/ BLOOD PROTEIN DISORDERS/ BLOOD PROTEINS, metabolism/ BUTYRATES/ CLOFIBRATE/ HUMAN/ HYPERCHOLESTEREMIA/ *HYPERLIPEMIA/ HYPERLIPEMIA, drug therapy/ HYPERLIPEMIA, etiology/ HYPERLIPEMIA, metabolism/ LIPIDS, blood/ LIPIDS, metabolism/ LIPOPROTEINS, blood/ *NEPHROTIC SYNDROME/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, metabolism/ PHOSPHOLIPIDS, blood/ REVIEW/ THYROXINE/ TRYPTOPHAN

970. **Edwardson JA, Bennett GW, Bradford HF:** Release of amino-acids and neurosecretory substances after stimulation of nerve-endings (synaptosomes) isolated from the hypothalamus.
Nature (Lond) 240:554-6, 29 Dec 72
*AMINO ACIDS, secretion/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CEREBRAL CORTEX, cytology/ CEREBRAL CORTEX, physiology/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, analysis/ *CORTICOTROPIN RELEASING FACTOR, secretion/ ELECTRIC STIMULATION/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, secretion/ IN VITRO/ *NERVE ENDINGS, secretion/ PITUITARY GLAND, drug effects/ POTASSIUM, pharmacodynamics/ PROLACTIN, antagonists & inhibitors/ RATS/ SHEEP/ STIMULATION, CHEMICAL/ *SYNAPTIC VESICLES, secretion/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, secretion/ VASOPRESSIN, analysis/ *VASOPRESSIN, secretion

971. **Egart FM, Solov'eva LP:** Sindrom Parkhona (klinika i nekotorye voprosy patogeneza.
Probl Endokrinol (Mosk) 18:53-5, Nov-Dec 72 (Rus)
ADULT/ *ANURIA, etiology/ EDEMA, etiology/ FEMALE/ *HORMONES, ECTOPIC/ HUMAN/ *HYPONATREMIA/ MALE/ MIDDLE AGE/ SYNDROME/ *VASOPRESSIN, secretion

972. **Eggen PC, Seljelid R:** The histological appearance of hyperfunctioning thyroids following various pre-operative treatments.
Acta Pathol Microbiol Scand [A] 81:16-20, Jan 73
ADOLESCENCE/ ADULT/ CELL NUCLEUS, drug effects/ CYTOPLASM, drug effects/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, pathology/ HYPERTHYROIDISM, surgery/ IODINE, pharmacodynamics/ *IODINE, therapeutic use/ LYMPHOCYTES, drug effects/ MACROPHAGES, drug effects/ MALE/ MIDDLE AGE/ PREMEDICATION/ SULFUR, pharmacodynamics/ *SULFUR, therapeutic use/ THYROID GLAND, drug effects/ *THYROID GLAND, pathology/ THYROXINE, pharmacodynamics/ *THYROXINE, therapeutic use/ TIME FACTORS

973. **Egidy H von:** Was ist gesichert in der Behandlung mit -Receptorenblockern.
Internist (Berlin) 13:481-4, Dec 72 (Ger)
ACETANILIDE, therapeutic use/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ALPRENOLOL, therapeutic use/ AMINO ALCOHOLS, therapeutic use/ CRESOLS, therapeutic use/ HEART DISEASES, drug therapy/ HUMAN/ HYPERTENSION, drug therapy/ *ISOPROTERENOL, therapeutic use/ OXPRENOLOL, therapeutic use/ PARKINSONISM, drug therapy/ PHEOCHROMOCYTOMA, drug therapy/ PINDOLOL, therapeutic use/ PROPRANOLOL, therapeutic use/ PROPYLAMINES, therapeutic use/ STRUCTURE-ACTIVITY RELATIONSHIP

974. **Ehrmann EH:** The endodontic management of the acute pulpal or periapical lesion.
Aust Dent J 17:279-83, Aug 72
ANESTHESIA, CONDUCTION/ ANESTHESIA, DENTAL/ DRAINAGE/ HUMAN/ PENICILLIN, therapeutic use/ PERIODONTITIS, diagnosis/ *PERIODONTITIS, therapy/ PULPITIS, diagnosis/ *PULPITIS, therapy/ ROOT CANAL FILLING MATERIALS/ *ROOT CANAL THERAPY/ TETRACYCLINE, therapeutic use/ TRIAMCINOLONE, therapeutic use

975. **Eichenberger-de-Beer H:** Therapeutische Erfahrungen mit einem neuen Lokalkortikoid (Fluocinonid FAPG.
Praxis 61:1465-7, 21 Nov 72 (Ger)
ACETIC ACIDS, administration & dosage/ ACETIC ACIDS, therapeutic use/ ACUTE DISEASE/ CHRONIC DISEASE/ CLINICAL RESEARCH/ ECZEMA, drug therapy/ EVALUATION STUDIES/ FLUOCINOLONE ACETONIDE, administration & dosage/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ LICHEN PLANUS, drug therapy/ NEURODERMATITIS, drug therapy/ OINTMENTS/ PSORIASIS, drug therapy

976. **Eicher EM, Hoppe PC:** Use of chimeras to transmit lethal genes in the mouse and to demonstrate allelism of the two X-linked male lethal genes jp and msd.
J Exp Zool 183:181-4, Feb 73
*ALLELES/ ANIMAL EXPERIMENTS/ EMBRYO, transplantation/ FEMALE/ FERTILIZATION/ *GENES, LETHAL/ GENES, RECESSIVE/ GENOTYPE/ MALE/ MICE/ MICE, INBRED STRAINS/ *MOSAICISM/ MUTATION/ MYELIN SHEATH/ PHENOTYPE/ *SEX CHROMOSOMES/ TRANSPLANTATION, HOMOLOGOUS

977. **Eichholtz W, Müller D:** Elektronenmikroskopische Befunde an der Hornhaut und Sklera bei Osteogenesis imperfecta.
Klin Monatsbl Augenheilkd 161:646-53, Dec 72 (Ger)
ADOLESCENCE/ ADULT/ COLLAGEN, biosynthesis/ CONNECTIVE TISSUE/ *CORNEA, pathology/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ *OSTEOGENESIS IMPERFECTA, pathology/ *SCLERA, pathology

978. **Eichler J:** Inaktivitätsosteoporose.
Z Rheumaforsch 31:367-87, Sep-Oct 72 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CALCIUM, therapeutic use/ CASTS, SURGICAL, adverse effects/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ FRACTURES, SPONTANEOUS, etiology/ GUINEA PIGS/ GYMNASTICS/ HUMAN/ *IMMOBILIZATION/ KIDNEY CALCULI, etiology/ MALE/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, drug therapy/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, radiography/

OSTEOPOROSIS, therapy/ QUADRIPLEGIA, radiography/ SEX FACTORS

979. **Eide I, Loyning E, Kiil F:** Evidence for hemodynamic autoregulation of renin release.
Circ Res 32:237-45, Feh 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CONSTRICTION/ DILATATION/ DOGS/ FEMALE/ *KIDNEY, secretion/ MALE/ MANNITOL, pharmacodynamics/ NATRIURESIS/ PRESSURE/ RADIOIMMUNOASSAY/ REGIONAL BLOOD FLOW/ *RENAL ARTERY, physiology/ *RENIN, secretion/ SWINE

980. **Eide I, Löyning E, Aars H, et al:** Autoregulation of renal blood flow in rabbits immunized with angiotensin II.
Scand J Clin Lab Invest 31:123-7, Jan 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-ANTIBODIES/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ BLOOD FLOW VELOCITY/ IMMUNIZATION/ *KIDNEY, blood supply/ KIDNEY, immunology/ LYMPH, immunology/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ RABBITS/ RABBITS, immunology/ REGIONAL BLOOD FLOW, drug effects/ RENIN, physiology

981. **Eigler J:** Therapie des renaled Diabetes insipidus.
Dtsch Med Wochenschr 98:74, 12 Jan 73 (Ger)
ADULT/ CHLORPROPAMIDE, therapeutic use/ DIABETES INSIPIDUS, complications/ *DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ KIDNEY DISEASES, complications

982. **Eiler H, Gonzalez E, Venegas H:** Influence of light on the metabolism of 14 C labelled valine in male and female broilers.
Poult Sci 51:1342-5, Jul 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BRAIN CHEMISTRY/ CARBON DIOXIDE, analysis/ CARBON ISOTOPES/ *CHICKENS, metabolism/ FEMALE/ GONADS, analysis/ INJECTIONS, INTRAVENOUS/ KIDNEY, analysis/ *LIGHT/ LIVER, analysis/ MALE/ MUSCLES, analysis/ PROTEINS, analysis/ SEX FACTORS/ SPLEEN, analysis/ TIME FACTORS/ VALINE, administration & dosage/ VALINE, analysis/ *VALINE, metabolism

983. **Einarsson K, Gustafsson JA:** Effects of a potent catatoxic steroid, 16 -cyanopregnenolone, on microsomal metabolism of steroid bormones, sterols and bile acids in rats.
Eur J Biocbem 32:197-206, 15 Jan 73
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTENES, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEOXYCHOLIC ACID, metabolism/ FEMALE/ HYDROXYLATION/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ HYDROXYSTEROIDS, metabolism/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ NITRILES, pharmacodynamics/ OXIDOREDUCTASES, metabolism/ *PREGNENOLONE, pharmacodynamics/ PROGESTERONE, metabolism/ RATS/ SEX FACTORS/ *STEROID HYDROXYLASES, metabolism/ TAURINE, metabolism

984. **Einarsson K, Gustafsson JA, Goldman AS:** Metabolism of steroid bormones, sterols, and bile acids in liver microsomes from male, female, and male-pseudobermaphroditic rats.
Eur J Biochem 31:345-53, 4 Dec 72
*ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ *BILE ACIDS AND SALTS, metabolism/ BIOTRANSFORMATION/ CARBON ISOTOPES/ CHENODEOXYCHOLIC ACID, metabolism/ *CHOLESTENES, metabolism/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HERMAPHRODITISM, familial & genetic/ HERMAPHRODITISM, metabolism/ HYDROXYLATION/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ *MICROSOMES, LIVER, metabolism/ NADP/ *PROGESTERONE, metabolism/ RATS/ SEX FACTORS/ TAURINE, metabolism/ TESTOSTERONE/ TRITIUM

985. **Elsahy NI:** Scrotal and penile lymph edema as a complication of testicular prosthesis.
J Urol 108:595-8, Oct 72
CASE REPORT/ HUMAN/ *LYMPHEDEMA, etiology/ LYMPHEDEMA, pathology/ MALE/ MIDDLE AGE/ *PENILE DISEASES, etiology/ PENILE DISEASES, pathology/ PENIS, pathology/ POSTOPERATIVE COMPLICATIONS/ *PROSTHESIS, adverse effects/ *SCROTUM/ SCROTUM, pathology/ *TESTIS, surgery

986. **Eisenberg KS, Potter DE, Bovill EG Jr:** Osteo-onychodystrophy with nephropathy and renal osteodystrophy. A case report.
J Bone Joint Surg [Am] 54:1301-5, Sep 72
CASE REPORT/ CHILD/ EPIPHYSES, SLIPPED, complications/ HEMODIALYSIS/ HUMAN/ KIDNEY, transplantation/ *KIDNEY DISEASES, familial & genetic/ MALE/ *NAIL-PATELLA SYNDROME, complications/ NAIL-PATELLA SYNDROME, radiography/ RADIUS/ *RENAL OSTEODYSTROPHY, complications/ RENAL OSTEODYSTROPHY, drug therapy/ TRANSPLANTATION, HOMOLOGOUS/ ULNA/ VITAMIN D, therapeutic use

987. **Elder GH, Gray CH, Nicholson DC:** The porphyrias: a review.
J Clin Pathol 25:1013-33, Dec 72 (202 ref.)
ALCOHOLISM, complications/ AMINOLEVULINIC ACID SYNTHETASE/ ANIMAL EXPERIMENTS/ BARBITURATES, adverse effects/ BONE MARROW DISEASES/ ERYTHROPOIESIS/ ESTROGENS, adverse effects/ HEME, biosynthesis/ HEMOGLOBIN, biosynthesis/ HUMAN/ HYPONATREMIA, complications/ IRON, metabolism/ LIVER DISEASES, complications/ LIVER NEOPLASMS, chemically induced/ PHOTOSENSITIZATION, familial & genetic/ *PORPHYRIA/ PORPHYRIA, chemically induced/ PORPHYRIA, congenital/ PORPHYRIA, metabolism/ PORPHYRINS, adverse effects/ PORPHYRINS, biosynthesis/ REVIEW

988. **Elder JA, Lehninger AL:** Respiration-dependent transport of carbon dioxide into rat liver mitochondria.
Biochemistry 12:976-82, 27 Feb 73
ACETAZOLAMIDE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CALCIUM CARBONATE, metabolism/ CALCIUM ISOTOPES/ *CARBON DIOXIDE, metabolism/ CARBONATES, metabolism/ CARBONIC ANHYDRASE, metabolism/ HYDROGEN-ION CONCENTRATION/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OSMOLAR CONCENTRATION/ OXYGEN CONSUMPTION/ OXYGEN CONSUMPTION, drug effects/ RATS/ RUTHENIUM, pharmacodynamics/ STRONTIUM, pharmacodynamics/ UNCOUPLING AGENTS, pharmacodynamics

989. **Elias EG, Evans JT:** Mithramycin in tbe treatment of Paget's disease of bone.
J Bone Joint Surg [Am] 54:1730-6, Dec 72
AGED/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD UREA NITROGEN/ CARDIAC OUTPUT/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ HYPERCALCEMIA, chemically induced/

INJECTIONS, INTRAVENOUS/ LACTATE DEHYDROGENASE, blood/ MALE/ MIDDLE AGE/ MITHRAMYCIN, administration & dosage/ MITHRAMYCIN, adverse effects/ *MITHRAMYCIN, therapeutic use/ *OSTEITIS DEFORMANS, drug therapy/ PAIN/ PHOSPHORUS, blood/ POTASSIUM, blood/ SKIN TEMPERATURE

990. Elias JA: Experience with prostaglandins E 2 and F 2 for induction of labor. J Reprod Med 9:307-10, Dec 72
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ EVALUATION STUDIES/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HEART RATE/ HEMORRHAGE/ HUMAN/ *LABOR, INDUCED/ PARITY/ PHLEBITIS, chemically induced/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY IN DIABETES/ PREGNANCY TOXEMIAS/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ RESPIRATION/ VOMITING, chemically induced

991. Elke M, Nidecker A: Metastasierungswege von Hodentumoren und ihre lymphographische Metastasenmorphologie.
Radiol Diagn (Berl) 13:660-4, 1972 (Ger)
DISGERMINOMA, radiography/ HUMAN/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ MALE/ TERATOID TUMOR, radiography/ TESTICULAR NEOPLASMS, classification/ *TESTICULAR NEOPLASMS, radiography

992. Elkington JS, Blackshaw AW: The effect of FSH, LH and testosterone on lysosomal enzymes in the rat testis, after post-hypophysectomy regression.
J Reprod Fertil 32:336-7, Feb 73
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *FSH, pharmacodynamics/ GLUCURONIDASE, analysis/ HYPOPHYSECTOMY/ *LH, pharmacodynamics/ *LYSOSOMES, enzymology/ MALE/ RATS/ *TESTIS, drug effects/ *TESTOSTERONE, pharmacodynamics

993. Ellendorff F, Colombo JA, Blake CA, et al: Effects of electrical stimulation of the amygdala on gonadotropin release and ovulation in the rat.
Proc Soc Exp Biol Med 142:417-20, Feb 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ESTRUS/ ETHYL ETHER, pharmacodynamics/ FEMALE/ FSH, blood/ *LH, blood/ *OVULATION/ OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PROLACTIN, blood/ RATS/ RESERPINE, pharmacodynamics

994. Ellendorff F, Röver HF, Smidt D: The effect of cyproterone acetate on the duration of pregnancy and parturition in mice. J Reprod Fertil 32:299-303, Feb 73
ABNORMALITIES, DRUG-INDUCED/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CYPROTERONE, pharmacodynamics/ CYPROTERONE, toxicity/ ESTROGENS, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ *LABOR, drug effects/ MICE/ OXYTOCIN, pharmacodynamics/ *PREGNADIENES, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects

995. Elliott RB, Starling MB: The effect of prostaglandin F2 alpha in the closure of the ductus arteriosus.
Prostaglandins 2:399-403, Nov 72
ANIMAL EXPERIMENTS/ CATTLE/ CONSTRICTION/ DRUG SYNERGISM/ DUCTUS ARTERIOSUS, drug effects/ DUCTUS ARTERIOSUS, PATENT, etiology/ FATTY ACIDS, UNSATURATED, pharmacodynamics/ GESTATIONAL AGE/ OXYGEN, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ TACHYPHYLAXIS

996. Ellis HK, Watkins WB, Evans JJ: Distribution of soluble proteins in the mammalian neurohypophysis and their cross-species reactivity with anti-neurophysin.
J Endocrinol 55:565-75, Dec 72
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ARTIODACTYLA/ BABOONS/ CARNIVORA/ CATS/ CATTLE/ CROSS REACTIONS/ DEER/ DOGS/ ELECTROPHORESIS/ GEL DIFFUSION TESTS/ GUINEA PIGS/ HEDGEHOGS/ HUMAN/ IMMUNE SERUMS/ MICE/ MONKEYS/ *NEUROPHYSINS, metabolism/ OSMOSIS/ *PITUITARY GLAND, POSTERIOR, metabolism/ *PROTEINS, metabolism/ RABBITS/ RATS/ SPECIES SPECIFICITY/ SWINE

997. Ellis JP: Crohn's disease with mouth involvement.
Proc R Soc Med 65:1080, Dec 72
ADULT/ *ENTERITIS, REGIONAL, complications/ ENTERITIS, REGIONAL, drug therapy/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ *STOMATITIS, complications/ STOMATITIS, drug therapy

998. Ellis M: Anthrax. Br Med J 1:354, 10 Feb 73
ANIMAL EXPERIMENTS/ *ANTHRAX/ BONE AND BONES/ CATTLE/ DISEASE RESERVOIRS/ HUMAN/ TANNING

999. Eisner B, Schwarz E, Mando OG, et al: Pathology of 12 fatal cases of Argentine hemorrhagic fever.
Am J Trop Med Hyg 22:229-36, Mar 73
ADRENAL GLANDS, pathology/ ADULT/ ARGENTINA/ CENTRAL NERVOUS SYSTEM, pathology/ DISSEMINATED INTRAVASCULAR COAGULATION/ *EPIDEMIC HEMORRHAGIC FEVER, pathology/ FEMALE/ GASTROINTESTINAL SYSTEM, pathology/ HUMAN/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ MALE/ MIDDLE AGE/ MYOCARDIUM, pathology/ RETROSPECTIVE STUDIES/ SPLEEN, pathology

1000. Eiting JJ, Allen JC: Management of the young child with bilateral anomalous and functionless lower extremities. J Bone Joint Surg [Am] 54:1523-30, Oct 72
ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE/ ADAPTATION, PSYCHOLOGICAL/ AGE FACTORS/ *AMPUTATION/ *ARTIFICIAL LIMBS/ BONE AND BONES, abnormalities/ BONE DISEASES, DEVELOPMENTAL, surgery/ CASE REPORT/ CHILD/ FEMALE/ HIP DISLOCATION, CONGENITAL, complications/ HUMAN/ *LEG, abnormalities/ *LUMBOSACRAL REGION, abnormalities/ MALE/ PARALYSIS, surgery/ SPINA BIFIDA, complications/ SPINAL FUSION

1001. Embrey MP: Brook Lodge symposium on prostaglandins. Moderator's summary.
J Reprod Med 9:464-5, Dec 72
*ABORTION, INDUCED/ AMNIOTIC FLUID/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ VAGINA

1002. Embrey MP, Hillier K: Therapeutic abortion by extra-amniotic administration of prostaglandins.
J Reprod Med 9:420-4, Dec 72
*ABORTION, THERAPEUTIC/ CATHETERIZATION/ DIARRHEA, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHEMA, chemically induced/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MUSCLE CONTRACTION/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS, drug effects/ VOMITING, chemically induced

1003. Emery CW: Immunosuppression and malignancy.

Br Med J 1:422, 17 Feb 73
ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSION/ NEOPLASMS, chemically induced/ *NEOPLASMS, etiology/ PSEUDOPREGNANCY

1004. **Emery JP, Lasserre PP, Dryll A:** Les manifestations neurologiques péripbériques de la sarcoïdose.
Sem Hop Paris 48:3039-43, 14 Nov 72 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CAUDA EQUINA/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FATIGUE, etiology/ HUMAN/ LEG/ MALE/ *NEUROLOGIC MANIFESTATIONS/ PAIN, etiology/ POLYNEURITIS, diagnosis/ PREDNISONE, therapeutic use/ *SARCOIDOSIS/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SPINAL CORD COMPRESSION, diagnosis

1005. **Emrich D, Mühlen A von zur, Lindner J, et al:** Influence of hemithyroidectomy on endogenously labelled thyroxine and tri-iodothyronine in rats.
J Endocrinol 55:479-87, Dec 72
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ IODINE ISOTOPES/ MALE/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ PROTEIN BINDING/ RATS/ THYROID GLAND, analysis/ THYROID GLAND, anatomy & histology/ *THYROIDECTOMY/ THYROTROPIN, blood/ *THYROTROPIN, physiology/ *THYROXINE, biosynthesis/ THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, biosynthesis/ TRIIODOTHYRONINE, blood

1006. **Endo J:** [Continuous flow system for the determination of urinary 17-hydroxycorticosteroids (Porter-Silber chromogens) by autoanalyzer]
Jap J Clin Pathol 20:461-8, Jul 72 **(Jap)**
*AUTOANALYSIS/ COLORIMETRY/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ METHODS

1007. **Enerbäck L:** Specific methods for detection of 5-hydroxytryptamine in carcinoid tumors.
Virchows Arch [Pathol Anat] 358:35-43, 1973
APPENDICEAL NEOPLASMS, metabolism/ BIOPSY/ *CARCINOID TUMOR, metabolism/ CARCINOID TUMOR, pathology/ COLONIC NEOPLASMS, metabolism/ FLUORESCENCE/ FLUOROMETRY/ FREEZE DRYING/ *GASTROINTESTINAL NEOPLASMS, metabolism/ GASTROINTESTINAL NEOPLASMS, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ INTESTINAL NEOPLASMS, metabolism/ INTESTINE, SMALL, analysis/ METHODS/ RECTAL NEOPLASMS, metabolism/ *SEROTONIN, analysis/ STOMACH NEOPLASMS, metabolism

1008. **Enfedzhiev M:** Pokazaniia i protivopokazaniia za prostatna adenomektomiia.
Khirurgiia (Sofiia) 25:399-403, 1972 **(Bul)**
AGED/ ENGLISH ABSTRACT/ HORMONES, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *PROSTATECTOMY/ PROSTATIC HYPERTROPHY, drug therapy/ *PROSTATIC HYPERTROPHY, surgery/ PROSTATIC NEOPLASMS, surgery

1009. **Engelberth O, Srámková J, Marek J, et al:** Imunocbemické stanovení růstovébo bormonu.
Vnitr Lek 19:24-31, Jan 73 **(Cze)**
ACROMEGALY, blood/ ACROMEGALY, immunology/ BINDING SITES, ANTIBODY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

1010. **England BG, Hauser ER, Casida LE:** Some effects of unilateral ovariectomy in the postpartum beef cow.
J Anim Sci 36:45-50, Jan 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CATTLE, physiology/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ FERTILITY/ GRAAFIAN FOLLICLE, anatomy & histology/ INSEMINATION, ARTIFICIAL/ ORGAN WEIGHT/ *OVARY, physiology/ OVULATION/ OVUM, cytology/ PREGNANCY/ *PUERPERIUM/ TIME FACTORS/ UTERUS, anatomy & histology/ WEANING

1011. **England P, Harland WA, Orr JS, et al:** Increased thyroxine secretion following administration of dinitrophenol to rats.
J Physiol (Lond) 229:33-40, Feb 73
ANIMAL EXPERIMENTS/ BILE, analysis/ BLOOD PROTEINS/ BODY WEIGHT, drug effects/ CHROMATOGRAPHY, THIN LAYER/ *DINITROPHENOLS, pharmacodynamics/ INTESTINES, analysis/ IODINE, blood/ IODINE ISOTOPES/ LIVER, analysis/ MALE/ PROTEIN BINDING/ RATS/ SECRETORY RATE/ THYROID GLAND, drug effects/ THYROXINE, analysis/ THYROXINE, blood/ *THYROXINE, secretion

1012. **England P, Webb J, Harland WA, et al:** A simple technique for measuring thyroxine secretion rate in the mouse.
Acta Endocrinol (Kbh) 72:438-42, Mar 73
ANIMAL EXPERIMENTS/ BLOODLETTING/ IODINE ISOTOPES/ METHODS/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED NZB/ MICE, INBRED STRAINS/ SECRETORY RATE/ TEMPERATURE/ THYROXINE, blood/ *THYROXINE, secretion/ TIME FACTORS

1013. **Engquist A, Winther O:** Variations of plasma cortisol and blood fibrinolytic activity during anaesthetic and surgical stress.
Br J Anaesth 44:1291-7, Dec 72
ADULT/ AGED/ *ANESTHESIA, GENERAL/ BLOOD COAGULATION/ FEMALE/ *FIBRINOLYSIS/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ *STRESS, blood/ SURGERY, OPERATIVE/ TIME FACTORS

1014. **Ennever J, Streckfuss JL, Takazoe I:** Calcification of bacillary and streptococcal variants of Bacterionema matruchotii.
J Dent Res 52:305-8, Mar-Apr 73
*ACTINOMYCES/ APATITES, analysis/ *APATITES, biosynthesis/ *CALCIFICATION, PHYSIOLOGIC/ EXTRACELLULAR SPACE/ IN VITRO/ MICROSCOPY, ELECTRON/ *STREPTOCOCCUS/ X-RAY DIFFRACTION

1015. **Ennis TJ:** Low chromosome number and post-reductional XO in Geius californicus (LEC.) (Coleoptera: Curculionidae).
Can J Genet Cytol 15:851-7, Dec 72
ANIMAL EXPERIMENTS/ *BEETLES/ CHROMOSOMES/ FEMALE/ GONADS, cytology/ KARYOTYPING/ MALE/ *MEIOSIS/ *SEX CHROMOSOMES

1016. **Entman ML, Allen JC, Bornet EP, et al:** Mechanisms of calcium accumulation and transport in cardiac relaxing system (sarcoplasmic reticulum membranes): effects of Verapamil, D-600, X537A and A23187.
J Mol Cell Cardiol 4:681-7, Dec 72
ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CARBOXYLIC ACIDS, pharmacodynamics/ DOGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *IPROVERATRIL, pharmacodynamics/ MEMBRANES, metabolism/ *MYOCARDIUM, metabolism/ *SARCOPLASMIC RETICULUM, metabolism/ STIMULATION, CHEMICAL

1017. **Entwistle KW:** Early reproductive failure in ewes in a tropical environment.
Aust Vet J 48:395-401, Jul 72
ABORTION, VETERINARY/ ANIMAL MOVEMENT/ ESTRUS/ FEMALE/ FERTILIZATION/ MALE/ OVULATION/ PREGNANCY/ PUBERTY/ SEASONS/ SEMEN/ SHEEP/ *SHEEP DISEASES/ SPERMATOZOA/ *STERILITY, veterinary/ STERILITY, MALE, etiology/ STERILITY, MALE, veterinary/ *TROPICAL CLIMATE

1018. **Enwonwu CO, Jacobson K:** Relation between adrenal cortex and hepatic protein synthesis in protein-calorie-deficient rats.
J Nutr 103:290-301, Feb 73

ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, pathology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CARBON ISOTOPES/ DIETARY PROTEINS/ ENDOCRINE GLANDS, physiology/ HISTOCYTOCHEMISTRY/ HYDROCORTISONE, pharmacodynamics/ LACTALBUMIN/ LEUCINE, metabolism/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, pathology/ MALE/ MICROSCOPY, ELECTRON/ *NUTRITION DISORDERS, metabolism/ POLYRIBOSOMES/ PROTEIN-CALORIE MALNUTRITION, metabolism/ PROTEIN-CALORIE MALNUTRITION, pathology/ *PROTEINS, biosynthesis/ RATS/ RIBOSOMES, metabolism

1019. **Epand RM, Epand RF:** Carboxyl group modification in glucagon. Biochim Biophys Acta 285:176-80, 28 Nov 72
ADENYL CYCLASE/ ALCOHOL, METHYL/ AMIDES/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBOXYLIC ACIDS/ CHEMISTRY/ CIRCULAR DICHROISM/ ENZYME ACTIVATION/ *GLUCAGON/ GLUCAGON, analysis/ GLUCAGON, antagonists & inhibitors/ GLUCAGON, pharmacodynamics/ GUANIDINES/ IMINES/ LIVER, drug effects/ LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ METHYLAMINES/ RATS/ ULTRACENTRIFUGATION/ ULTRAVIOLET RAYS

1020. **Epand RM, Epand RF, Grey V:** The essential role of the imidazole group of glucagon in its biological function. Arch Biochem Biophys 154:132-6, Jan 73
ACETYLATION/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, analysis/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ FLUORINE/ GLUCAGON, analysis/ *GLUCAGON, metabolism/ GUANIDINES/ HISTIDINE, metabolism/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *IMIDAZOLES, metabolism/ LIVER, enzymology/ LYSINE, analysis/ NITROBENZENES/ PEPTIDES/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

1021. **Epstein M, Katsikas JL, Duncan DC:** Role of mineralocorticoids in the natriuresis of water immersion in man. Circ Res 32:228-36, Feb 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, physiology/ BLOOD PROTEINS, metabolism/ BODY WEIGHT/ CREATININE, urine/ DEPRESSION, CHEMICAL/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DIET/ DIURESIS/ HOMEOSTASIS/ HUMAN/ *IMMERSION/ MALE/ *NATRIURESIS/ POTASSIUM, blood/ POTASSIUM, urine/ SODIUM, blood/ TIME FACTORS/ WATER, metabolism

1022. **Erkkola R, Kangas L, Pekkarinen A:** The transfer of diazepam across the placenta during labour. Acta Obstet Gynecol Scand 52:167-70, 1973
BLOOD/ CHROMATOGRAPHY, GAS/ DIAZEPAM, blood/ *DIAZEPAM, metabolism/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LABOR/ *MATERNAL-FETAL EXCHANGE/ NICKEL/ PLACENTA, metabolism/ PREGNANCY/ RADIOISOTOPES/ TIME FACTORS/ UMBILICAL CORD

1023. **Erkman-Balis B, Conen PE:** Consistent chromosome abnormalities in each of three cases of childhood lymphosarcoma. Eur J Cancer 8:683-8, Dec 72
BONE MARROW CELLS, cytology/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABNORMALITIES/ CHROMOSOME MAPPING/ DIPLOIDY/ FEMALE/ HUMAN/ KARYOTYPING/ KIDNEY NEOPLASMS, familial & genetic/ LYMPH NODES, cytology/ *LYMPHOSARCOMA, familial & genetic/ MALE/ OVARIAN NEOPLASMS, familial & genetic/ SKIN NEOPLASMS, familial & genetic

1024. **Errington ML, Rocha e Silva M Jr:** Vasopressin clearance and secretion during haemorrhage in normal dogs and in dogs with experimental diabetes insipidus. J Physiol (Lond) 227:395-418, Dec 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BLOOD TRANSFUSION, AUTOLOGOUS/ BLOOD VOLUME/ *DIABETES INSIPIDUS, physiopathology/ DOGS/ DRINKING BEHAVIOR/ FEMALE/ FEMORAL ARTERY/ HALF-LIFE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, pathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ KIDNEY, pathology/ LIVER, pathology/ MALE/ SHOCK, HEMORRHAGIC, pathology/ *SHOCK, HEMORRHAGIC, physiopathology/ TIME FACTORS/ VASOPRESSIN, blood/ *VASOPRESSIN, secretion/ WATER

1025. **Erwin J, Mitchell G:** Analysis of Rhesus monkey vocalizations: maturation-related sex differences in clear-call frequency.
Am J Phys Anthropol 38:463-7, Mar 73
AGE FACTORS/ ANIMAL COMMUNICATION/ ANIMAL EXPERIMENTS/ FEMALE/ *MACACA/ MALE/ MATERNAL BEHAVIOR/ MONKEYS/ PUBERTY/ SEX FACTORS/ SOCIAL ISOLATION/ *VOCALIZATION, ANIMAL

1026. **Esiutina OS:** Tsitologicheskaia i tsitokhimicheskaia kharakteristika opukholi luinga i retikulosarkomy kosti. Lab Delo 4:218-21, 1972 **(Rus)**
BONE AND BONES, pathology/ *BONE NEOPLASMS/ BONE NEOPLASMS, metabolism/ BONE NEOPLASMS, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ *SARCOMA, EWING'S/ SARCOMA, EWING'S, metabolism/ SARCOMA, EWING'S, pathology/ *SARCOMA, RETICULUM CELL/ SARCOMA, RETICULUM CELL, metabolism/ SARCOMA, RETICULUM CELL, pathology

1027. **Eskildsen PC:** Evidence for local renin formation in the rabbit oviduct.
Acta Pathol Microbiol Scand [A] 80:743-50, 1972
ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ FALLOPIAN TUBES, cytology/ *FALLOPIAN TUBES, metabolism/ FEMALE/ OVARY, analysis/ PREGNANCY/ RABBITS/ RENIN, analysis/ *RENIN, biosynthesis/ UTERUS, analysis/ VAGINA, analysis

1028. **Eskin BA, Azarbal S, Sepic R, et al:** In vitro responses of the spermatozoa-cervical mucus system treated with prostaglandin (F 2a). Obstet Gynecol 41:436-9, Mar 73
*CERVIX MUCUS, drug effects/ CERVIX MUCUS, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ OVULATION/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ *SPERMATOZOA, drug effects/ SPERMATOZOA, physiology/ STIMULATION, CHEMICAL/ TIME FACTORS

1029. **Esteban A, Gímenez-Roldán S:** Miopatía hipertrófica y neuropatía en el mixedema (aspectos clínicos y neurofisiológicos.
Rev Clin Esp 127:783-94, 15 Nov 72 **(Spa)**
HUMAN/ HYPERTROPHY, etiology/ MALE/ MIDDLE AGE/ *MYXEDEMA, complications/ NEUROLOGIC MANIFESTATIONS/ *NEUROMUSCULAR DISEASES, etiology/ THYROIDECTOMY

1030. **Etienne JP, Gueroult N, Chaput JC:** L'hépatite chronique active.
Nouv Presse Med 1:3133, 23 Dec 72 **(Fre)**
CHRONIC DISEASE/ FATTY LIVER, chemically induced/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ *HEPATITIS, INFECTIOUS, drug therapy/ HUMAN

1031. **Ettinger B, Goldfield EB, Burrill KC, et al:** Plasma testosterone stimulation-suppression dynamics in hirsute women. correlation with long-term therapy. Am J Med 54:195-200, Feb 73
ACNE, drug therapy/ *CORTICOTROPIN,

diagnostic use/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HIRSUTISM, blood/ *HIRSUTISM, drug therapy/ HUMAN/ *MEDROXYPROGESTERONE, therapeutic use/ OVARIAN CYSTS, complications/ PROGESTERONE, administration & dosage/ STIMULATION, CHEMICAL/ TESTOSTERONE, blood/ TIME FACTORS

1032. **Eule J Jr, Bockenstedt F, Salzman E:** Diagnostic ultrasound scanning: a valuable aid in radiation therapy planning.
Am J Roentgenol Radium Ther Nucl Med 117:139-45, Jan 73
ADULT/ AGED/ BLADDER NEOPLASMS, diagnosis/ BLADDER NEOPLASMS, radiotherapy/ BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, radiotherapy/ FEMALE/ HUMAN/ ILIUM/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, diagnosis/ PATIENT CARE PLANNING/ *RADIOTHERAPY/ SARCOMA, EWING'S, diagnosis/ SARCOMA, EWING'S, radiotherapy/ THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use/ ULTRASONICS, instrumentation/ UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, radiotherapy

1033. **Evans GW:** The biological regulation of copper homeostasis in the rat.
World Rev Nutr Diet 17:225-49, 1973 (56 ref.)
ADRENAL CORTEX HORMONES, pharmacodynamics/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BILE, metabolism/ CELL NUCLEUS, metabolism/ CERULOPLASMIN, biosyntbesis/ *COPPER, metabolism/ COPPER, physiology/ ERGOTHIONEINE, metabolism/ FEMALE/ HOMEOSTASIS/ LIVER, cytology/ LIVER, drug effects/ LIVER, metabolism/ LYSOSOMES, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, metabolism/ PROTEIN BINDING/ PROTEINS, metabolism/ RATS, growtb & development/ *RATS, metabolism/ REVIEW/ SEX HORMONES, pharmacodynamics/ THYROID HORMONES, pharmacodynamics

1034. **Evans JR:** The gas chromatography of calciferol, dihydrotacbysterol and cholesterol.
Clin Chim Acta 42:167-74, Nov 72
ACETIC ACIDS/ *CHOLESTEROL, analysis/ CHROMATOGRAPHY, GAS/ *DIHYDROTACHYSTEROL, analysis/ ERGOCALCIFEROL, analysis/ *ERGOCALCIFEROL, analysis/ METHODS/ SILICON

1035. **Everitt BJ, Herbert J:** Hormonal correlates of sexual behaviour in sub-human primates.
Dan Med Bull 19:246-58, Dec 72
ANDROSTENES, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ COITUS, drug effects/ COURTSHIP/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ EJACULATION, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ MACACA/ MALE/ MENSTRUATION/ MONKEYS/ OVARY, physiology/ OVULATION/ PROGESTERONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ *SEX HORMONES, pharmacodynamics/ STERILIZATION, TUBAL/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1036. **Evstratova LA, Stepanov GS, Tendler DS:** Znacbenie sviazyvaniia tireoidnykb gormonov s belkami syvorotki krovi v protsesse kompensatsii i ikb izbytku u sobak i morskikb svinok.
Probl Endokrinol (Mosk) 18:77-81, Jul-Aug 72 **(Rus)**
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ BODY WEIGHT/ DOGS/ ENGLISH ABSTRACT/ GUINEA PIGS/ HEART RATE/ IODINE, blood/ IODINE ISOTOPES/ OXYGEN CONSUMPTION/ PROTEIN BINDING/ SPECIES SPECIFICITY/ *THYROID HORMONES, blood/ THYROXINE, blood/ *THYROXINE-BINDING PROTEIN/ TIME FACTORS

1037. **Ewe K:** Calcium absorption in health and disease.
Ergeb Inn Med Kinderbeilkd 33:231-69, 1972
ADULT/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ *CALCIUM METABOLISM DISORDERS, metabolism/ CHILD/ FEMALE/ HUMAN/ *INTESTINAL ABSORPTION/ MALABSORPTION SYNDROMES, metabolism/ MALE/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ RICKETS, metabolism

1038. **Eyre DR, Glimcher MJ:** Evidence for intramolecular crosslinks in chicken bone collagen: tbe isolation of peptides containing allysine aldol.
Biochim Biophys Acta 295:301-7, 25 Jan 73
*ADIPIC ACID, isolation & purification/ *ALDEHYDES, isolation & purification/ AMINO ACIDS, analysis/ *AMINO ACIDS, isolation & purification/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BOROHYDRIDES/ CHEMISTRY/ CHICKENS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CLOSTRIDIOPEPTIDASE A/ CLOSTRIDIUM, enzymology/ *COLLAGEN, analysis/ GEL FILTRATION/ HYDRAZONES/ METATARSUS, analysis/ ORGAN SPECIFICITY/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ *PEPTIDES, isolation & purification/ PHENYLHYDRAZINE/ SKIN/ TRITIUM

F

1039. **Fabris N, Pierpaoli W, Sorkin E:** Lympbocytes, hormones and ageing.
Nature (Lond) 240:557-9, 29 Dec 72
*AGING/ ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ DWARFISM, PITUITARY, congenital/ DWARFISM, PITUITARY, metabolism/ DWARFISM, PITUITARY, veterinary/ INTESTINAL MUCOSA, metabolism/ LYMPH NODES, cytology/ LYMPH NODES, metabolism/ *LYMPHOCYTES, pbysiology/ T-LYMPHOCYTES, physiology/ MICE/ MYOCARDIUM, metabolism/ RODENT DISEASES, congenital/ SKIN, metabolism/ *SOMATOTROPIN, physiology/ THYMIDINE, metabolism/ THYMUS GLAND, metabolism/ *THYROXINE, physiology/ TONGUE, metabolism/ TRITIUM

1040. **Fagerberg SE, Gruvstad M, Ribacke M:** Litiumbehandling och hypotyreos.
Lakartidningen 69:6055-8, 13 Dec 72 **(Swe)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, diagnosis/ *LITHIUM, adverse effects/ LITHIUM, tberapeutic use/ MIDDLE AGE/ MYXEDEMA, chemically induced/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PSYCHOSES, MANIC-DEPRESSIVE, drug effects/ RECURRENCE/ SCHIZOPHRENIA, PARANOID, drug therapy/ THYROID GLAND FUNCTION TESTS

1041. **Fain JN, Jacobs MD, Clement-Cormier YC:** Interrelationship of cyclic AMP, lipolysis, and respiration in brown fat cells.
Am J Physiol 224:346-51, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ *BROWN FAT, metabolism/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ FATTY ACIDS, pharmacodynamics/ FEMALE/ GLUCOSE, metabolism/ IN VITRO/ LACTATES, metabolism/ *LIPID MOBILIZATION/

NOREPINEPHRINE, pharmacodynamics/ OUABAIN, pharmacodynamics/ *OXYGEN CONSUMPTION/ PROPRANOLOL, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics

1042. **Fajans SS:** I. Identification of chemical diabetes. The definition of chemical diabetes.
Metabolism 22:211-7, Feb 73
ACIDOSIS, DIABETIC, diagnosis/ ADOLESCENCE/ ADULT/ BLOOD SUGAR, analysis/ CHILD/ CORTISONE, diagnostic use/ DIABETES MELLITUS, classification/ *DIABETES MELLITUS, diagnosis/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT/ INSULIN, blood/ MALE/ NOMENCLATURE/ PREDIABETIC STATE, diagnosis/ PREGNANCY/ PREGNANCY IN DIABETES/ TIME FACTORS

1043. **Falconi G, Galletti F, Celasco G, et al:** Oral long-lasting estrogenic activity of estradiol 3-benzoate 17-cyclooctenyl ether. Steroids 20:627-38, Nov 72
ADIPOSE TISSUE, metabolism/ ADMINISTRATION, ORAL/ ALKENES, administration & dosage/ ALKENES, metabolism/ ALKENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENZOATES, administration & dosage/ BENZOATES, metabolism/ BENZOATES, pharmacodynamics/ CASTRATION/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTRADIOL, administration & dosage/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ ETHERS, administration & dosage/ ETHERS, metabolism/ *ETHERS, pharmacodynamics/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ MALE/ MICE/ OVARY, physiology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ UTERUS, drug effects/ VAGINA, drug effects

1044. **Falkay G, Morvay J, Sas M:** A 3-metoxi-17-epi-ösztriol klinikai kémiai vizsgálata.
Acta Pharm Hung 43:1-8, Jan 73 **(Hun)**
CHROMATOGRAPHY, GAS/ ENGLISH ABSTRACT/ *ESTRANES, analysis/ FERTILITY AGENTS, analysis/ HYDROXYSTEROIDS, analysis/ METHYL ETHER, analysis/ SPECTRUM ANALYSIS

1045. **Falkson G, Falkson HC:** Amyloidosis in Hodgkin's disease. S Afr Med J 47:62-4, 13 Jan 73
ADRENAL GLANDS, pathology/ ADULT/ *AMYLOIDOSIS, etiology/ AMYLOIDOSIS, pathology/ AUTOPSY/ DRUG COMBINATIONS/ FEMALE/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HUMAN/ KIDNEY, pathology/ LIVER, pathology/ *NEPHROTIC SYNDROME, etiology/ SPLEEN, pathology/ STOMACH, pathology

1046. **Falls WF Jr, Stacy WK:** Postobstructive diuresis. Studies in a dialyzed patient with a solitary kidney.
Am J Med 54:404-12, Mar 73
ACID-BASE EQUILIBRIUM/ BICARBONATES, blood/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CASE REPORT/ CHLORIDES, blood/ CREATININE, urine/ *DIURESIS/ FLUDROCORTISONE, therapeutic use/ HUMAN/ *KIDNEY, physiopathology/ *KIDNEY CALCULI, complications/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, physiopathology/ MAGNESIUM, urine/ MALE/ MIDDLE AGE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ PERITONEAL DIALYSIS/ PHOSPHATES, urine/ PLASMA SUBSTITUTES, pharmacodynamics/ POTASSIUM, blood/ POTASSIUM, urine/ SODIUM, blood/ UREA, urine/ URIC ACID, urine/ VASOPRESSIN, therapeutic use/ WATER-ELECTROLYTE BALANCE

1047. **Falvo RE, Kaltenbach CC, Pancoe WL:** Determination of testosterone concentration in the plasma of normal and androgen-sterilized female rats, using a competitive protein binding technique.
Neuroendocrinology 10:229-34, 1972
*ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ *ESTRUS/ FEMALE/ MALE/ OVARY, drug effects/ OVARY, metabolism/ *PROTEIN BINDING/ RATS/ SEX FACTORS/ STERILITY, FEMALE, chemically induced/ TESTOSTERONE, biosynthesis/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

1048. **Fan TY, Tannenbaum SR:** Factors influencing the rate of formation of nitrosomorpholine from morpholine and nitrite: acceleration by thiocyanate and other anions. J Agric Food Chem 21:237-40, Mar-Apr 73
CHEMISTRY/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MATHEMATICS/ *MORPHOLINES/ NITRITES/ *NITROSO COMPOUNDS, chem synthesis/ TEMPERATURE/ *THIOCYANATES

1049. **Farber E:** Hepatic carcinogenesis.
Prog Liver Dis 4:173-82, 1972 (65 ref.)
ALPHA GLOBULIN, analysis/ ALPHA GLOBULIN, biosynthesis/ ANIMAL EXPERIMENTS/ *CARCINOGENS/ CARCINOGENS, pharmacodynamics/ ENVIRONMENTAL EXPOSURE/ FETAL GLOBULINS, analysis/ FETAL GLOBULINS, biosynthesis/ HEPATOMA, diagnosis/ *HEPATOMA, metabolism/ HEPATOMA, pathology/ HORMONES, secretion/ HUMAN/ ISOENZYMES, biosynthesis/ LIVER, drug effects/ LIVER, enzymology/ LIVER NEOPLASMS, diagnosis/ *LIVER NEOPLASMS, metabolism/ LIVER NEOPLASMS, pathology/ LIVER REGENERATION/ NITROSAMINES, adverse effects/ RATS/ REVIEW

1050. **Faris AA:** Wernicke's encephalopathy in uremia.
Neurology (Minneap) 22:1293-7, Dec 72
ADULT/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/ CHLORIDES, blood/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ HYPOTHALAMUS, pathology/ MAMMILLARY BODIES, pathology/ POTASSIUM, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ SODIUM, blood/ THALAMUS, pathology/ *UREMIA, complications/ UREMIA, pathology/ *WERNICKE'S ENCEPHALOPATHY, etiology/ WERNICKE'S ENCEPHALOPATHY, pathology

1051. **Farmer RW, Brown DH, Howard PY, et al:** A radioimmunoassay for plasma aldosterone without chromatography.
J Clin Endocrinol Metab 36:460-5, Mar 73
*ALDOSTERONE, blood/ CHROMATOGRAPHY/ CYCLOHEXANE/ IMMUNE SERUMS/ METHODS/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ *RADIOIMMUNOASSAY/ SODIUM HYDROXIDE/ TRITIUM/ WATER

1052. **Farmer SW, Sairam MR, Papkoff H:** Stimulation of lactic acid production in vitro from prepubertal rat ovaries by gonadotropins and their subunits.
Endocrinology 92:1022-7, Apr 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *FSH, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *LACTATES, biosynthesis/ *LH, pharmacodynamics/ NEURAMINIC ACIDS/ OVARY, drug effects/ *OVARY, metabolism/ RATS/ SHEEP/ *SOMATOTROPIN, pharmacodynamics

1053. **Farrow GA, Wilson DR, Fenton SS, et al:** Review of human renal transplantation at the Toronto General Hospital. Can J Surg 16:134-8, Mar 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE, therapeutic use/ CADAVER/ FEMALE/ FOLLOW-UP STUDIES/ GRAFT REJECTION/ HEMODIALYSIS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ METHODS/ MIDDLE AGE/ NEPHRECTOMY/ ONTARIO/ POSTOPERATIVE COMPLICATIONS/

PREDNISONE, therapeutic use/ TISSUE DONORS/ TISSUE SURVIVAL/ TRANSPLANTATION, HOMOLOGOUS

1054. **Fassina G, Dorigo P, Perini G, et al:** Effect of glycolysis inhibitors on cyclic AMP synthesis in rat adipose tissue. Biochem Pharmacol 21:2295-301, 1 Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ FLUORIDES, pharmacodynamics/ GLYCERIN, biosynthesis/ *GLYCOLYSIS, drug effects/ IN VITRO/ IODOACETATES, pharmacodynamics/ LIPIDS, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ RATS/ THEOPHYLLINE, pharmacodynamics

1055. **Faur A, Păscuiescu G, Döri F:** Tratamentul actual al degenerescenţei hepatolenticulare.
Med Interna (Bucur) 24:1413-9, Dec 72 (Rum)
ADRENAL CORTEX HORMONES, therapeutic use/ CYSTEINE, therapeutic use/ DIET THERAPY/ DIMERCAPROL, therapeutic use/ EDTA, therapeutic use/ FOLIC ACID, therapeutic use/ *HEPATOLENTICULAR DEGENERATION, therapy/ HUMAN/ PENICILLAMINE, therapeutic use

1056. **Faust H, Schultheiss HR, Stalder G, et al:** Die Reintervention nach operierter gastroduodenaler Ulcuskrankheit. Chirurg 44:1-6, Jan 73 (Ger)
ANEMIA/ BODY WEIGHT/ DIARRHEA, etiology/ DRAINAGE/ DUMPING SYNDROME, etiology/ FOLLOW-UP STUDIES/ GASTROENTEROSTOMY/ HUMAN/ OSTEOMALACIA/ PEPTIC ULCER, etiology/ *PEPTIC ULCER, surgery/ POSTGASTRECTOMY SYNDROMES, radiography/ POSTGASTRECTOMY SYNDROMES, surgery/ POSTOPERATIVE COMPLICATIONS, radiography/ *POSTOPERATIVE COMPLICATIONS, surgery/ PYLORUS, surgery/ RECURRENCE/ TIME FACTORS/ VAGOTOMY/ VOMITING, etiology

1057. **Favez G:** Progrès thérapeutiques.
Ther Umsch 30:213-7, Mar 73 (Fre)
ANTIBIOTICS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ ASTHMA, drug therapy/ BRONCHIAL NEOPLASMS, drug therapy/ DEXAMETHASONE, therapeutic use/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ PULMONARY FIBROSIS, drug therapy/ RESPIRATORY INSUFFICIENCY, drug therapy/ *RESPIRATORY TRACT DISEASES, drug therapy

1058. **Favier J, Mulder RH, Rietveld WJ, et al:** Inleiding van de baring met prostaglandine E 1.
Ned Tijdschr Geneeskd 116:1964-5, 21 Oct 72 (Dut)
FEMALE/ HUMAN/ *LABOR, INDUCED/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics

1059. **Fazekas AG, Sandor T:** The metabolism of dehydroepiandrosterone by human scalp hair follicles. J Clin Endocrinol Metab 36:582-6, Mar 73
ADULT/ ALOPECIA, metabolism/ ANDROSTANES, metabolism/ ANDROSTENES, metabolism/ CARBON ISOTOPES/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ *HAIR, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ SCALP/ TESTOSTERONE, metabolism/ TRITIUM

1060. **Fazekas IG:** Die Wirkung der Ammonium Chlorid Behandlung auf das Asthma bronchiale.
Allerg Immunol (Leipz) 18:57-64, 1972 (Ger)
ADRENAL GLANDS, physiopathology/ ADULT/ *AMMONIUM CHLORIDE, therapeutic use/ *ASTHMA, drug therapy/ ASTHMA, physiopathology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, physiopathology/ PITUITARY GLAND, physiopathology/ TIME FACTORS

1061. **Fazekas IG, Szendrényi J:** Die Corticosteroidfraktionen der Ovarien intakter und NH4Cl-behandelter Kaninchen mit besonderer Berücksichtigung der saisonalen Veränderungen.
Endokrinologie 60:181-93, 1972 (Ger)
*ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ AMMONIUM CHLORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FEMALE/ OVARY, drug effects/ *OVARY, metabolism/ RABBITS/ *SEASONS

1062. **Fechner RE:** Oral contraceptive effects on the breast.
JAMA 224:249-50, 9 Apr 73
ADULT/ *BREAST, drug effects/ BREAST, pathology/ BREAST NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ TIME FACTORS

1063. **Fehm HL, Voigt KH, Pfeiffer EF:** Problems and artefacts in ACTH assay.
Horm Metab Res 4:477-81, Nov 72
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CATTLE/ CHROMATOGRAPHY/ FALSE POSITIVE REACTIONS/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SWINE

1064. **Feigelman SS, Torbenko VP:** Nekotorye biokhimicheskie izmeneniia kostnoĭ tkani pri konservatsii v slabykh rastvorakh formalina.
Ortop Travmatol Protez 33:79-80, Sep 72 (Rus)
ANIMAL EXPERIMENTS/ *BONE AND BONES/ FORMALDEHYDE/ KINETICS/ NITROGEN/ PROTEINS/ RABBITS/ TIME FACTORS/ *TISSUE PRESERVATION

1065. **Feinstein R, Fahrländer H:** Uber familiäres Aufreten intestinaler Karzinome.
Schweiz Med Wochenschr 102:1687-92, 18 Nov 72 (Ger)
ADULT/ AUTOSOME ABNORMALITIES, familial & genetic/ BONE NEOPLASMS, familial & genetic/ *CARCINOMA, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTESTINAL NEOPLASMS, familial & genetic/ INTESTINAL POLYPS, familial & genetic/ MALE/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ OSTEOMALACIA, familial & genetic/ PAPILLOMA, familial & genetic/ PEDIGREE/ PEUTZ-JEGHERS SYNDROME, familial & genetic/ SKIN NEOPLASMS, familial & genetic

1066. **Fekete B, Szegedi G, Gergely P, et al:** Az immunspecificus rosettaképzés gátlásának felhasználása két prednisolon származék összehasonlító vizsgálatára.
Orv Hetil 114:310-1, 11 Feb 73 (Hun)
COMPARATIVE STUDY/ *IMMUNE ADHERENCE REACTION/ *PREDNISOLONE, analysis

1067. **Feldberg W, Gupta KP:** Pyrogen fever and prostaglandin-like activity in cerebrospinal fluid.
J Physiol (Lond) 228:41-53, Jan 73
ACETAMINOPHEN, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIGENS, BACTERIAL/ BIOLOGICAL ASSAY/ BODY TEMPERATURE/ CATS/ *FEVER, cerebrospinal fluid/ FEVER, chemically induced/ FEVER, drug therapy/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ *PROSTAGLANDINS, cerebrospinal fluid/ PYROGENS/ SEROTONIN, cerebrospinal fluid/ SHIGELLA DYSENTERIAE/ STOMACH, drug effects

1068. **Feldberg W, Shaligram SV:** The hyperglycaemic effect of morphine. Br J Pharmacol 46:802-18, Dec 72

ANALGESIA/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CATHETERIZATION, instrumentation/ CATS/ CEREBRAL VENTRICLES/ DYES/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *HYPERGLYCEMIA, chemically induced/ INJECTIONS, INTRAVENOUS/ MALE/ MORPHINE, administration & dosage/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SHIVERING, drug effects/ VOCALIZATION, ANIMAL, drug effects

1069. **Feldman M, Cohen IR, Wekerle H:** T-cell mediated immunity in vitro: an analysis of antigen recognition and target cell lysis.
Transplant Rev 12:57-90, 1972 (60 ref.)
ADSORPTION/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ BINDING SITES, ANTIBODY/ CELL SURVIVAL/ CELLS, CULTURED/ CHROMIUM ISOTOPES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FIBROBLASTS, immunology/ HYDROCORTISONE, pharmacodynamics/ IMMUNE SERUMS/ *IMMUNITY, CELLULAR/ KINETICS/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, immunology/ *T-LYMPHOCYTES, immunology/ MICE/ RABBITS/ RATS/ REVIEW

1070. **Feil LR, Perry GS, Chandler NJ, et al:** The effect of interval between milkings on prolactin release and milk production in the cow.
J Reprod Fertil 32:317-8, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ DAIRYING/ FEMALE/ *LACTATION/ MILK/ MILK PROTEINS/ PREGNANCY/ *PROLACTIN, secretion/ TIME FACTORS

1071. **Feit V, Strašek J, Bednář J:** Indices of unbound thyroxine in obese women.
Rev Czech Med 18:200-3, 1972
ADULT/ BINDING SITES/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *OBESITY, blood/ PROTEIN-BOUND IODINE TEST/ SERUM GLOBULINS, analysis/ *THYROXINE, blood/ TRIIODOTHYRONINE, administration & dosage

1072. **Feng HW, Mu JY, Ku Y, et al:** Uterine and hepatic protein biosynthesis in estrogen-treated and thyroidectomized rats.
Clin Chim Acta 42:225-8, Nov 72
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LIVER, drug effects/ *LIVER, metabolism/ *PROTEINS, biosynthesis/ RATS/ STIMULATION, CHEMICAL/ *THYROID GLAND, physiology/ THYROIDECTOMY/ TRICHLOROACETIC ACID/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism/ VALINE, metabolism

1073. **Ferber E:** Nutritional conditions in Yugoslavia and their reflection on health.
World Rev Nutr Diet 18:263-74, 1973 (36 ref.)
ADULT/ ANEMIA, HYPOCHROMIC, occurrence/ CHILD/ CHILD, PRESCHOOL/ DEFICIENCY DISEASES, occurrence/ DIET/ DIETARY CARBOHYDRATES/ DIETARY FATS/ DIETARY PROTEINS/ FEMALE/ FOOD SUPPLY/ HUMAN/ MALE/ *NUTRITION/ *NUTRITION DISORDERS/ NUTRITION DISORDERS, occurrence/ NUTRITION DISORDERS, prevention & control/ NUTRITION DISORDERS, therapy/ PLANT PROTEINS/ PREGNANCY/ REVIEW/ RICKETS, occurrence/ RURAL POPULATION/ SOCIOECONOMIC FACTORS/ URBAN POPULATION/ YUGOSLAVIA

1074. **Ferbert WN, Friedrich B, Merz WA:** Zur Problematik der Marmorknochenkrankheit.
Chirurg 44:71-3, Feb 73 (Ger)
ADULT/ BIOPSY/ BONE AND BONES, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MICRORADIOGRAPHY/ *OSTEOPETROSIS, diagnosis/ OSTEOPETROSIS, pathology/ OSTEOPETROSIS, radiography

1075. **Ferdouse M, Rickard PA, Moss FJ, et al:** Quantitative studies of the development of S. cerevisiae mitochondria. Biotechnol Bioeng 14:1007-26, Nov 72
ADAPTATION, PHYSIOLOGICAL/ AEROBIOSIS/ ANAEROBIOSIS/ CULTURE MEDIA/ *CYTOCHROMES, analysis/ ERGOSTEROL, pharmacodynamics/ GLUCOSE, metabolism/ *MITOCHONDRIA/ MITOCHONDRIA, enzymology/ OXYGEN CONSUMPTION/ SACCHAROMYCES CEREVISIAE, cytology/ SACCHAROMYCES CEREVISIAE, drug effects/ SACCHAROMYCES CEREVISIAE, enzymology/ *SACCHAROMYCES CEREVISIAE, growth & development/ SACCHAROMYCES CEREVISIAE, metabolism/ SURFACE-ACTIVE AGENTS, pharmacodynamics

1076. **Ferguson A, Gerskowitch VP, Russell RI:** Pre- and postweaning disaccharidase patterns in isografts of fetal mouse intestine.
Gastroenterology 64:292-7, Feb 73
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ *GALACTOSIDASE, metabolism/ INTESTINE, SMALL, embryology/ INTESTINE, SMALL, enzymology/ INTESTINE, SMALL, growth & development/ *INTESTINE, SMALL, transplantation/ MICE/ MICE, INBRED CBA/ *SUCRASE, metabolism/ TRANSPLANTATION, HOMOLOGOUS

1077. **Ferlazzo A:** Considerazioni conclusive.
Minerva Pediatr 24:1431-3, 15 Sep 72 (Ita)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANTIBODY SPECIFICITY/ *BLOOD PLATELET DISORDERS/ BLOOD PLATELET DISORDERS, immunology/ BLOOD PLATELET DISORDERS, metabolism/ CHILD/ HUMAN/ *THROMBOPENIA

1078. **Fernandes CT, Wapnick S:** Exomphalos and Beckwith syndrome. Cent Afr J Med 18:247-8, Dec 72
*ABNORMALITIES, MULTIPLE, complications/ *ADRENAL GLAND DISEASES, complications/ *EXOPHTHALMOS, complications/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *KIDNEY DISEASES, complications/ SYNDROME/ TONGUE, abnormalities/ *UMBILICAL HERNIA, complications

1079. **Ferrendelli JA, Chang MM:** Brain metabolism during hypoglycemia. Effect of insulin on regional central nervous system glucose and energy reserves in mice.
Arch Neurol 28:173-7, Mar 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN DISEASES, etiology/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL ANOXIA, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *GLUCOSE, metabolism/ HIPPOCAMPUS, metabolism/ HYPOGLYCEMIA, chemically induced/ HYPOGLYCEMIA, complications/ *HYPOGLYCEMIA, metabolism/ HYPOTHALAMUS, metabolism/ *INSULIN, pharmacodynamics/ MALE/ MICE/ OXYGEN CONSUMPTION/ *PHOSPHOCREATINE, metabolism/ SPINAL CORD, metabolism/ THALAMUS, metabolism

1080. **Ferris JA:** The intestinal mucosa in thyrotoxicosis: a light and electron microscopic assessment.
Ir J Med Sci 141:3-10, Jan-Mar 72
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, pathology/ *INTESTINAL MUCOSA, pathology/ *INTESTINE, SMALL, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE

1081. **Fey G, Reiss M, Kersten H:** Interaction of tetracylines with ribosomal suhunits from Escherichia coli. A fluorometric investigation.
Biochemistry 12:1160-4, 13 Mar 73
BINDING SITES/ CHELATING AGENTS, pharmacodynamics/ ESCHERICHIA COLI, cytology/ *ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ FLUORESCENCE SPECTROMETRY/ IODINE, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ NITRILES, pharmacodynamics/ OXYTETRACYCLINE, pharmacodynamics/ PROTEIN BINDING/ *RIBOSOMES, drug effects/ RIBOSOMES, metaholism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TETRACYCLINE, metaholism/ *TETRACYCLINE, pharmacodynamics/ ULTRACENTRIFUGATION

1082. **Flala J:** On the relationship between leucocyte osmotic resistant and phagocytic activity.
Physiol Bohemoslov 21:41-4, 1972
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD BACTERICIDAL ACTIVITY/ CAUSTICS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ LEUKOCYTE COUNT/ LEUKOCYTES, drug effects/ *LEUKOCYTES, physiology/ MICE/ MICE, INBRED STRAINS/ OSMOLAR CONCENTRATION/ *PHAGOCYTOSIS/ STAPHYLOCOCCUS/ STILBENES, pharmacodynamics

1083. **Filer LJ Jr, Fomon SJ, Anderson TA, et al:** Growth, serum chemical values and carcass composition of Pitman-Moore miniature pigs during the first eight weeks of life. J Nutr 103:425-37, Mar 73
AGING/ ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ BLOOD UREA NITROGEN/ *BODY COMPOSITION/ BODY HEIGHT/ BODY WATER, metabolism/ BODY WEIGHT/ CALCIUM, metaholism/ CHOLESTEROL, hlood/ FEMALE/ LIPIDS, metaholism/ MALE/ PHOSPHORUS, metaholism/ POTASSIUM, metabolism/ PREGNANCY/ PROTEINS, metaholism/ SEX FACTORS/ SODIUM, metaholism/ SPECIES SPECIFICITY/ SWINE, growth & development/ *SWINE, metabolism

1084. **Finch A, Ledward DA:** Differential scanning calorimetric study of collagen fibres swollen in aqueous neutral salt solutions.
Biochim Biophys Acta 295:296-300, 25 Jan 73
ACHILLES TENDON/ CALCIUM/ CALCIUM CHLORIDE/ CALCIUM FLUORIDE/ CALORIMETRY/ CATTLE/ *COLLAGEN/ FLUORIDES/ HYDROGEN-ION CONCENTRATION/ OSMOLAR CONCENTRATION/ POTASSIUM/ POTASSIUM CHLORIDE/ PROTEIN DENATURATION/ *SALTS/ TEMPERATURE/ THERMODYNAMICS/ THIOCYANATES

1085. **Finckh ES:** Impression-expression reactions in cellular pathology.
Aust J Exp Biol Med Scl 50:259-66, Jun 72 (35 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ CELL ADHESION/ CELL DIFFERENTIATION/ CELL MEMBRANE, physiology/ CELL MOVEMENT/ CHALONES, physiology/ CHEMOTAXIS/ CONTACT INHIBITION/ CYTOPLASMIC STREAMING/ DNA, physiology/ GLYCOPROTEINS, physiology/ HISTONES, physiology/ HOMEOSTASIS/ HUMAN/ HYBRID CELLS/ LIVER REGENERATION/ MITOSIS/ *PATHOLOGY/ REVIEW/ WOUND HEALING

1086. **Findlay JK, Cumming IA, Chamley WA, et al:** The release of luteinizing hormone by oestradiol-17 and a synthetic gonadotrophin-releasing factor in ewes affected with clover disease.
J Reprod Fertil 32:341-2, Feb 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LH, secretion/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PLANT POISONING, veterinary/ PROSTAGLANDINS, pharmacodynamics/ SHEEP/ *SHEEP DISEASES, physiopathology

1087. **Fine G, Clarke HD, Horn RC Jr:** Mesonephroma of the ovary. A clinical, morphological, and histogenetic appraisal. Cancer 31:398-410, Feh 73
ADENOCARCINOMA, pathology/ ADULT/ AGED/ CYTOPLASMIC GRANULES/ ENDOMETRIOSIS, pathology/ EOSINOPHILS/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ MESONEPHROMA, classification/ MESONEPHROMA, etiology/ *MESONEPHROMA, pathology/ MESONEPHROMA, therapy/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, etiology/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ *OVARY, pathology

1088. **Finsterbush A, Weinberg H:** Venous perfusion of the limh with antihiotics for osteomyelitis and other chronic infections.
J Bone Joint Surg [Am] 54:1227-34, Sep 72
ADOLESCENCE/ ADULT/ *ANTIBIOTICS, administration & dosage/ *BONE AND BONES, blood supply/ CATHETERIZATION/ CEPHALOSPORINS, administration & dosage/ CHRONIC DISEASE/ DRAINAGE/ ERYTHROMYCIN, administration & dosage/ FEMUR/ FOLLOW-UP STUDIES/ HUMAN/ HUMERUS/ INJECTIONS, INTRAVENOUS/ *LEG/ METHICILLIN, administration & dosage/ MIDDLE AGE/ *OSTEOMYELITIS, drug therapy/ OSTEOMYELITIS, radiography/ PENICILLIN, administration & dosage/ PERFUSION/ PRESSURE/ *PSEUDOMONAS INFECTIONS, drug therapy/ RECURRENCE/ *STAPHYLOCOCCAL INFECTIONS, drug therapy/ *STREPTOCOCCAL INFECTIONS, drug therapy/ TOURNIQUETS

1089. **Florentino M:** Discussion du traitement des hypercalcémies par la furosémide.
Nouv Presse Med 2:245, 27 Jan 73 **(Fre)**
ACUTE DISEASE/ CALCIUM, urine/ DIURETICS, adverse effects/ *FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, metabolism/ INJECTIONS, INTRAVENOUS/ METHODS/ THYROCALCITONIN, therapeutic use/ WATER-ELECTROLYTE BALANCE

1090. **Fischer MG, Nayer HR, Miller A:** Methimazole-induced jaundice. JAMA 223:1028-9, 26 Feb 73
ADENOMA, drug therapy/ AGED/ CASE REPORT/ CHOLANGIOGRAPHY/ *DRUG HYPERSENSITIVITY/ FEMALE/ *HEPATITIS, TOXIC/ HEPATITIS, TOXIC, pathology/ HEPATITIS, TOXIC, surgery/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *LIVER, drug effects/ LIVER, pathology/ LIVER FUNCTION TESTS/ *METHIMAZOLE, adverse effects/ METHIMAZOLE, therapeutic use/ THYROID NEOPLASMS, drug therapy

1091. **Fischer V, Dietschi C:** Die idiopathische Hüftkopfnekrose des Erwachsenen bei Hyperurikämie und Dyslipidämie.
Munch Med Wochenschr 114:1937-41, 3 Nov 72 **(Ger)**
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, complications/ ADULT/ AGED/ ALLOPURINOL, therapeutic use/ CHILD/ DIET THERAPY/ ENGLISH ABSTRACT/ FEMALE/ FEMUR HEAD, blood supply/ FEMUR HEAD NECROSIS, drug therapy/ *FEMUR HEAD NECROSIS, etiology/ FEMUR HEAD NECROSIS, therapy/ HEMATOLOGIC DISEASES, hlood/ HUMAN/ HYPERLIPEMIA, complications/ LIPIDS, hlood/ LIVER DISEASES, complications/ MALE/ *METABOLIC DISEASES, complications/ MIDDLE AGE/ PHOSPHOLIPIDS, therapeutic use/ URIC ACID, blood

1092. **Fisher DA:** Advances in the laboratory diagnosis of thyroid disease. I. J Pediatr 82:1-9, Jan 73 (62 ref.)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ IODINE, metabolism/ METHODS/ PERCHLORIC ACIDS, diagnostic use/ PREGNANCY/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ RESINS/ REVIEW/ SERUM ALBUMIN/ SERUM GLOBULINS/ THYROID DISEASES, diagnosis/ THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1093. **Fisher DA:** Advances in the laboratory diagnosis of thyroid disease. II. J Pediatr 82:187-91, Feb 73
CHILD/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ METABOLISM, INBORN ERRORS/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ *THYROID DISEASES, diagnosis/ THYROID GLAND, metabolism/ THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, blood

1094. **Fisher DL, Smithberg M:** Host-transplant relationship of cultured mouse embryos.
J Exp Zool 183:263-6, Feb 73
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ EMBRYO, growth & development/ *EMBRYO, transplantation/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ OVULATION, drug effects/ PSEUDOPREGNANCY/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS, physiology

1095. **Fitzsimons JT:** Thirst and the limbic system.
Proc R Soc Med 65:1067-70, Dec 72 (28 ref.)
ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ DRINKING/ HUMAN/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ OSMOSIS/ PHARYNX, physiology/ RATS/ RECEPTORS, NEURAL, physiology/ RENIN, pharmacodynamics/ REVIEW/ *THIRST/ WATER/ WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE

1096. **Fixa B, Komárková O, Nožička Z:** Autoimunní reakce u různě starých lidí.
Cas Lek Cesk 112:146-8, 2 Feb 73 (Cze)
ADRENAL GLANDS, immunology/ ADULT/ AGE FACTORS/ AGED/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, immunology/ FEMALE/ HUMAN/ *IMMUNITY/ MALE/ MIDDLE AGE/ THYROID GLAND, immunology

1097. **Flacke W:** Treatment of myasthenia gravis.
N Engl J Med 288:27-31, 4 Jan 73 (12 ref.)
ACETIC ACIDS, therapeutic use/ ACETYLCHOLINESTERASE, antagonists & inhibitors/ ADRENAL CORTEX HORMONES, therapeutic use/ AMBENONIUM CHLORIDE, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ANESTHETICS, LOCAL, therapeutic use/ ANTIBIOTICS, therapeutic use/ ATROPINE, therapeutic use/ BROMIDES/ CHOLINE, therapeutic use/ CHOLINESTERASE INHIBITORS, administration & dosage/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ CHOLINESTERASE INHIBITORS, therapeutic use/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, therapeutic use/ EDROPHONIUM CHLORIDE, therapeutic use/ HOSPITALS, SPECIAL/ HUMAN/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, physiopathology/ MYASTHENIA GRAVIS, therapy/ MYOCARDIAL DEPRESSANTS, therapeutic use/ NEOSTIGMINE, therapeutic use/ NEURAL TRANSMISSION, drug effects/ PHYSOSTIGMINE, therapeutic use/ REVIEW/ UNITED STATES/ VERATRUM, therapeutic use

1098. **Flamenbaum W, Kotchen TA, Nagle R, et al:** Effect of potassium on the renin-angiotensin system and $HgCl_2$-induced acute renal failure.
Am J Physiol 224:305-11, Feb 73
ANIMAL EXPERIMENTS/ BLOOD UREA NITROGEN/ DEPRESSION, CHEMICAL/ DIET/ INULIN/ KIDNEY, metabolism/ KIDNEY, pathology/ *KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY FAILURE, ACUTE, metabolism/ KIDNEY FAILURE, ACUTE, pathology/ KIDNEY FAILURE, ACUTE, physiopathology/ MALE/ *MERCURY POISONING, complications/ MERCURY POISONING, pathology/ NATRIURESIS/ POTASSIUM, administration & dosage/ *POTASSIUM, pharmacodynamics/ RATS/ *RENIN, biosynthesis/ RENIN, blood/ RENIN, secretion/ TIME FACTORS

1099. **Flauder M, Dupuis Y, Fournier A, et al:** Examen de l'action d'un ose sur l'absorption d'un alcalinoterreux par la mise en compétition de la combinaison qu'ils peuvent former et de composés donnant des complexes plus stables, manganèse ou complexon 3.
C R Acad Sci [D] (Paris) 275:2909-12, 18 Dec 72 (Fre)
ABSORPTION/ ANIMAL EXPERIMENTS/ *ARABINOSE, pharmacodynamics/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CHELATING AGENTS, pharmacodynamics/ CHLORIDES/ DRUG INTERACTIONS/ FEMUR, analysis/ MALE/ *MANGANESE, pharmacodynamics/ RATS/ STRONTIUM, blood/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES

1100. **Flawiá MM, Torres HN:** Adenylate cyclase activity in lubrol-treated membranes from Neurospora crassa.
Biochim Biophys Acta 289:428-32, 7 Dec 72
*ADENYL CYCLASE, metabolism/ *CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *NEUROSPORA, enzymology/ NEUROSPORA CRASSA, enzymology/ SOLUBILITY/ *SURFACE-ACTIVE AGENTS, pharmacodynamics

1101. **Fleischer CJ:** Osteoporosis.
Md State Med J 22:82-6, Jan 73
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS/ OSTEOPOROSIS, classification/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, drug therapy

1102. **Fletch SM, Smart ME, Pennock PW, et al:** Clinical and pathologic features of chondrodysplasia (dwarfism) in the Alaskan Malamute.
J Am Vet Med Assoc 162:357-61, 1 Mar 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BLOOD UREA NITROGEN/ CALCIUM, blood/ CALCIUM, therapeutic use/ *DOG DISEASES/ DOG DISEASES, drug therapy/ DOG DISEASES, familial & genetic/ DOG DISEASES, pathology/ DOG DISEASES, radiography/ DOGS/ DWARFISM, drug therapy/ DWARFISM, familial & genetic/ DWARFISM, pathology/ DWARFISM, radiography/ *DWARFISM, veterinary/ EXOSTOSES, MULTIPLE, drug therapy/ EXOSTOSES, MULTIPLE, familial & genetic/ EXOSTOSES, MULTIPLE, radiography/ *EXOSTOSES, MULTIPLE, veterinary/ FEMALE/ GENES, RECESSIVE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ MAGNESIUM, blood/ MALE/ PHOSPHORUS, therapeutic use/ VITAMIN D, therapeutic use

1103. **Fletcher HS, Joseph WL:** Bleeding into the rectus abdominis muscle. Int Surg 58:97-9, Feb 73

ABDOMINAL NEOPLASMS, complications/ *ABDOMINAL WALL, blood supply/ ADOLESCENCE/ ADULT/ AGED/ ANTICOAGULANTS, adverse effects/ ANTICOAGULANTS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ ANTIMETABOLITES, adverse effects/ ANTIMETABOLITES, therapeutic use/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ *HEMATOMA/ HEMATOMA, chemically induced/ HEMATOMA, etiology/ HUMAN/ HYPERTENSION, complications/ MALE/ MIDDLE AGE/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR

1104. **Flexner JM:** Management of malignant lymphomas: a practical and philosophical approach.
Soutb Med J 66:4-12, Jan 73
BLEOMYCIN, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HOSPITALS, SPECIAL/ HUMAN/ LAPAROTOMY/ LYMPHOMA, diagnosis/ LYMPHOMA, drug therapy/ LYMPHOMA, radiotherapy/ *LYMPHOMA, therapy/ MECHLORETHAMINE, therapeutic use/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ SPLENECTOMY/ VINCRISTINE, therapeutic use

1105. **Flickinger RA, Roche FM:** Effect of tri-iodothyronine on the transcription of deoxyribonucleic acids of different degrees of redundancy in frog larvae.
Biochem J 130:319-20, Nov 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *DNA/ FROGS/ IN VITRO/ LARVA/ NUCLEIC ACID HYBRIDIZATION/ *RANA PIPIENS/ RNA, RIBOSOMAL/ *TRANSCRIPTION, GENETIC, drug effects/ *TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM

1106. **Fliegner JR, Schindler I, Brown JB:** Low urinary oestriol excretion during pregnancy associated with placental sulphatase deficiency or congenital adrenal hypoplasia.
J Obstet Gynaecol Br Commonw 79:810-5, Sep 72
*ADRENAL GLAND DISEASES, congenital/ AUTOPSY/ BIRTH WEIGHT/ CHROMATOGRAPHY, THIN LAYER/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HUMAN/ MALE/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ *PLACENTA, enzymology/ PLACENTA DISORDERS, enzymology/ *PREGNANCY/ PREGNANEDIOL, urine/ SEX FACTORS/ *SULFATASES, analysis

1107. **Florea I, Ionescu V, Popa M:** Cercetări în distrofiile de creştere. Stud Cercet Endocrinol 23:411-6, 1972 **(Rum)**
*GROWTH DISORDERS/ GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ GROWTH DISORDERS, metabolism/ HUMAN/ LIPOCHONDRODYSTROPHY, complications/ MYXEDEMA, complications/ PROTEINS, metabolism/ RESEARCH/ SOMATOTROPIN, therapeutic use/ TURNER'S SYNDROME, complications

1108. **Flückiger E, Del Pozo E:** Levodopa in Forbes-Albright syndrome. Can Med Assoc J 108:554, 3 Mar 73
*AMENORRHEA, drug therapy/ BROMINE, therapeutic use/ DOPA, therapeutic use/ *ERGOT ALKALOIDS, therapeutic use/ FEMALE/ *FSH, urine/ HUMAN/ LACTATION, drug effects/ *LACTATION DISORDERS, drug therapy/ PREGNANCY/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, blood

1109. **Fogh J, Edeling CJ:** 67 Ga scintigraphy of malignant tumours. Nucl Med (Stuttg) 11:371-95, 30 Dec 72
ADOLESCENCE/ ADULT/ AGED/ BREAST NEOPLASMS, diagnosis/ CARCINOMA, EPIDERMOID, diagnosis/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GALLIUM, administration & dosage/ *GALLIUM, diagnostic use/ HALF-LIFE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ INFANT/ INJECTIONS, INTRAVENOUS/ KIDNEY NEOPLASMS, diagnosis/ LIVER NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ THORACIC RADIOGRAPHY/ THYROID NEOPLASMS, diagnosis/ TOMOGRAPHY, RADIOGRAPHIC

1110. **Forbes TR, Glassen G:** Steroid compounds and the dilatation of ovarian and uterine veins in the mouse.
Am J Obstet Gynecol 113:678-80, 1 Jul 72
ANIMAL EXPERIMENTS/ CHOLESTEROL, pharmacodynamics/ COMPARATIVE STUDY/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ HYDROXYPROGESTERONE, pharmacodynamics/ MICE/ *OVARY, blood supply/ OVARY, surgery/ PREGNENOLONE, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ *UTERUS, blood supply/ *VASODILATOR AGENTS, pharmacodynamics/ *VEINS, drug effects

1111. **Forconi S, Puccetti F, Guerrini M, et al:** Studio poligrafico della dinamica ventricolare sinistra nell'ipercalcemia provocata nell'uomo.
Boll Soc Ital Cardiol 17:317-24, 1972 **(Ita)**
ADULT/ CALCIUM, pharmacodynamics/ CAROTID ARTERIES/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HEART, drug effects/ HEART RATE/ *HEART VENTRICLE, physiopathology/ HUMAN/ *HYPERCALCEMIA, physiopathology/ PULSE

1112. **Formoso C:** The interaction of -cyclodextrin with nucleic acid monomer units.
Biochem Biophys Res Commun 50:999-1005, 20 Feb 73
ADENINE/ ADENOSINE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CHEMISTRY/ CIRCULAR DICHROISM/ MATHEMATICS/ *NUCLEIC ACIDS/ *POLYSACCHARIDES/ TEMPERATURE/ THERMODYNAMICS

1113. **Forrest JN Jr, Cohen AD, Schon DA, et al:** Na transport and Na-K-ATPase in gills during adaptation to seawater: effects of cortisol.
Am J Physiol 224:709-13, Mar 73
*ADAPTATION, PHYSIOLOGICAL/ *ADENOSINE TRIPHOSPHATASE, metabolism/ *ANGUILLA, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ ENZYME ACTIVATION/ GILLS, enzymology/ *GILLS, metabolism/ *HYDROCORTISONE, pharmacodynamics/ POTASSIUM/ SEAWATER/ *SODIUM, metabolism/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

1114. **Forrest JN Jr, MacKay WC, Gallagher B, et al:** Plasma cortisol response to saltwater adaptation in the American eel Anguilla rostrata.
Am J Physiol 224:714-7, Mar 73
*ADAPTATION, PHYSIOLOGICAL/ *ANGUILLA, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CIRCADIAN RHYTHM/ GILLS, metabolism/ *HYDROCORTISONE, blood/ INTESTINES, metabolism/ SEAWATER/ SODIUM, metabolism/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

1115. **Forsyth IA, Strong CR, Dils R:** Interactions of insulin, corticosterone and prolactin in promoting milk-fat synthesis by mammary explants from pregnant rabbits. Biochem J 129:929-35, Oct 72
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/

*CORTICOSTERONE, pharmacodynamics/ DRUG INTERACTIONS/ FATTY ACIDS, biosynthesis/ FEMALE/ IN VITRO/ *INSULIN, pharmacodynamics/ LACTATION, drug effects/ *LIPIDS, biosynthesis/ *MAMMAE, drug effects/ MAMMAE, metabolism/ ORGAN CULTURE/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ PSEUDOPREGNANCY/ RABBITS

1116. **Forteza ME:** Precipitating factors in hyperthyroidism.
Geriatrics 28:123-6, Feb 73
ADULT/ AGE FACTORS/ AGED/ AGING/ FEMALE/ *GOITER, EXOPHTHALMIC, etiology/ *GOITER, NODULAR, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *STRESS, complications/ *STRESS, PSYCHOLOGICAL

1117. **Foss GL:** Drugs in infertility. Br Med J 1:357, 10 Feb 73
CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ INSEMINATION, ARTIFICIAL/ MALE/ SPERMATOGENESIS/ *STERILITY, MALE, drug therapy/ TESTOSTERONE, therapeutic use

1118. **Fouquet JP:** Le mécanisme de la spermiation chez le hmaster: signification des relations entre cellules de Sertoli et spermatides.
C R Acad Sci [D] (Paris) 275:2025-8, 30 Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ CELL MOVEMENT/ CYTOPLASMIC STREAMING/ ENDOPLASMIC RETICULUM/ GLYCOGEN, analysis/ HAMSTERS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *SERTOLI CELLS, physiology/ *SPERMATOGENESIS/ *SPERMATOZOA, physiology

1119. **Fournier P, Dupuis Y, Digaud A, et al:** Contribution à 'étude du mode d'action des oses sur l'absorption et la rétention du calcium.
C R Acad Sci [D] (Paris) 275:85-8, 3 Jul 72 **(Fre)**
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM ISOTOPES/ DRUG INTERACTIONS/ INTESTINAL ABSORPTION/ RATS/ *XYLOSE, metabolism

1120. **Fourrier P, Bert G:** Nécrose osseuse aseptique bilatérale des condyles fémoraux.
Lyon Chir 68:208-9, May-Jun 72 **(Fre)**
ADULT/ BIOPSY/ *BONE DISEASES/ CURETTAGE/ EPIPHYSES/ FEMALE/ *FEMUR/ FEMUR, blood supply/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ ISCHEMIA, complications/ KNEE, radiography/ NECROSIS

1121. **Fowler PB, Swale J, Andrews H, et al:** Preclinical hypothyroidism and coronary-artery disease.
Lancet 1:558, 10 Mar 73
ARTERIOSCLEROSIS, metabolism/ *CORONARY DISEASE, metabolism/ HUMAN/ *HYPOTHYROIDISM, metabolism/ THYROIDITIS, metabolism/ TRIGLYCERIDES, metabolism

1122. **Fozzard HA:** Excitation-contraction coupling and digitalis. Circulation 47:5-7, Jan 73
ACTION POTENTIALS/ ACTION POTENTIALS, drug effects/ *CALCIUM, metabolism/ *DIGITALIS GLYCOSIDES, pharmacodynamics/ HEART CONDUCTION SYSTEM, drug effects/ HEART CONDUCTION SYSTEM, metabolism/ *HEART CONDUCTION SYSTEM, physiology/ HUMAN/ MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ *MUSCLE CONTRACTION/ *MYOCARDIUM, metabolism

1123. **Fozzard HA, Gibbons WR:** Action potential and contraction of heart muscle.
Am J Cardiol 31:182-92, Feb 73 (47 ref.)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BIOMECHANICS/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ DOGS/ FROGS/ *HEART, physiology/ HEART ATRIUM, physiology/ HEART CONDUCTION SYSTEM, physiology/ HEART VENTRICLE, physiology/ MEMBRANE POTENTIALS/ *MUSCLE CONTRACTION/ MYOCARDIUM, metabolism/ POTASSIUM, physiology/ REVIEW/ TIME FACTORS

1124. **Frable WJ, Smith JH, Perkins J, et al:** Vaginal cu cytology: some difficult diagnostic problems.
Acta Cytol (Baltimore) 17:135-40, Mar-Apr 73
CARCINOMA, EPIDERMOID, diagnosis/ *CERVIX NEOPLASMS, diagnosis/ CYTODIAGNOSIS/ ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ HYSTERECTOMY/ *NEOPLASM RECURRENCE, LOCAL, diagnosis/ *OVARIAI NEOPLASMS, diagnosis/ *VAGINAL SMEARS

1125. **France R, Stone WJ, Michelakis AM, et al:** Ren potassium-wasting of unknown cause in a clinic setting of chronic potassium depletion: report of case. South Med J 66:115-28, Jan 73
ALDOSTERONE, secretion/ BIOPSY/ HUMAN *KIDNEY, physiopathology/ KIDNEY TUBULES, PROXIMAL, pathology/ MAGNESIUM, therapeutic use/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, metabolism *POTASSIUM, metabolism/ POTASSIUM DEFICIENCY, drug therapy/ *POTASSIUM DEFICIENCY, etiology/ POTASSIUM DEFICIENCY, metabolism/ *RENAL TUBUL/ TRANSPORT, INBORN ERRORS, complications/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, diagnosis/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, drug therapy/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, physiopathology/ RENIN, secretion/ SPIRONOLACTONE, therapeutic use

1126. **Frank N, Frank MJ:** Uterine tumor mimicking Meig syndrome (intractable heart failure).
J Med Soc NJ 70:17-8, Jan 73
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *LEIOMYOMA, diagnosis *MEIGS' SYNDROME, diagnosis/ *UTERINE NEOPLASMS, diagnosis

1127. **Frank RN, Cavanagh HD, Kenyon KR:** Light-stimulat phosphorylation of bovine visual pigments b adenosine triphosphate.
J Biol Chem 248:596-609, 25 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ALDEHYDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynami CATTLE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ LIGHT/ MAGNESIUM, pharmacodynamics/ MERCAPTOETHANOL/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ PHOSPHORUS ISOTOPES/ PHOTORECEPTORS/ POTASSIU pharmacodynamics/ RETINA, cytology/ *RETINA, metabolism/ *RETINAL PIGMENT metabolism/ RETINAL PIGMENTS, pharmacodynamics/ SODIUM, pharmacodynamics/ SODIUM DODECYL SULFATE/ TRITIUM

1128. **Franke R:** Structure-activity relationships in polycy aromatic hydrocarbons: induction of microsomal a hydrocarbon hydroxylase and its possible importa in chemical carcinogenesis.
Chem Biol Interact 6:1-17, Jan 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ BENZANTHRACENES, metabolism/ BENZANTHRACENES, pharmacodynamics/ CELLS, CULTURED/ CHEMISTRY/ ENERG TRANSFER/ ENZYME INDUCTION, drug effects/ FETUS/ HAMSTERS/ *HYDROXYLASES/ IN VITRO/ *MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ NECROSIS, chemically induced/ *NEOPLASI chemically induced/ NEOPLASMS, EXPERIMENTAL, chemically induced/ OXIDOREDUCTASES, metabolism/ *POLYCYCLIC COMPOUNDS, pharmacodynamics/ RATS/ REGRESSION

ANALYSIS/ STRUCTURE-ACTIVITY RELATIONSHIP

1129. **Franks RC:** Urinary 17-hydroxycorticosteroid and cortisol excretion in childhood.
J Clin Endocrinol Metab 36:702-5, Apr 73
ADDISON'S DISEASE, urine/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, urine/ DEXAMETHASONE, diagnostic use/ HUMAN/ *HYDROCORTISONE, urine/ *17-HYDROXYCORTICOSTEROIDS, urine/ OBESITY, urine/ STRESS, urine

1130. **Frantz AG, Kleinberg DL, Noel GL:** Studies on prolactin in man. Recent Prog Horm Res 28:527-90, 1972
ACROMEGALY, physiopathology/ BIOLOGICAL ASSAY/ CRANIOPHARYNGIOMA, physiopathology/ DOPA, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ GYNECOMASTIA, physiopathology/ HUMAN/ HYPOGLYCEMIA, physiopathology/ HYPOTHYROIDISM, physiopathology/ KIDNEY FAILURE, CHRONIC, physiopathology/ LACTATION/ LACTATION DISORDERS, physiopathology/ MALE/ PHENOTHIAZINES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY NEOPLASMS, physiopathology/ *PROLACTIN/ PROLACTIN, blood/ PROLACTIN, pharmacodynamics/ PROLACTIN, physiology/ RADIOIMMUNOASSAY/ REVIEW/ STRESS, physiopathology

1131. **Fraser C, Gill JC, Robinson JJ:** Increasing the reproductive rat of the ewe.
J Physiol (Lond) 227:7P-8P, Dec 72
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ LIGHT/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *REPRODUCTION/ SEASONS/ *SHEEP, physiology/ TIME FACTORS

1132. **Fraser IS, Baird DT, Hobson BM, et al:** Cyclical ovarian function in women with congenital absence of the uterus and vagina.
J Clin Endocrinol Metab 36:634-7, Apr 73
ADULT/ ESTROGENS, urine/ FALLOPIAN TUBES, abnormalities/ FEMALE/ FSH, urine/ HUMAN/ LH, urine/ *OVARY, physiology/ *PERIODICITY/ PREGNANEDIOL, urine/ RADIOIMMUNOASSAY/ *UTERUS, abnormalities/ *VAGINA, abnormalities

1133. **Frayha R, Matta M, Kurban A:** Sweet's syndrome simulating systemic lupus erythematosus.
Dermatologica 144:321-4, 1972
ACUTE DISEASE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *LEUKOCYTOSIS, diagnosis/ LEUKOCYTOSIS, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ NEUTROPHILS/ PREDNISONE, therapeutic use/ *SKIN DISEASES, diagnosis/ SKIN DISEASES, drug therapy

1134. **Frazier HS, Yager H:** The clinical use of diuretics. 2.
N Engl J Med 288:455-7, 1 Mar 73 (8 ref.)
DIABETES INSIPIDUS, drug therapy/ DIURETICS, pharmacodynamics/ *DIURETICS, therapeutic use/ DIURETICS, toxicity/ DIURETICS, MERCURIAL, therapeutic use/ ETHACRYNIC ACID, therapeutic use/ FUROSEMIDE, therapeutic use/ HUMAN/ HYPERTENSION, drug therapy/ KIDNEY FAILURE, ACUTE, drug therapy/ REVIEW/ SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE, therapeutic use/ TRIAMTERENE, administration & dosage/ TRIAMTERENE, therapeutic use

1135. **Fredricsson B, Björkman N:** Morphologic alterations in the human oviduct epithelium induced by contraceptive steroids. Fertil Steril 24:19-30, Jan 73
ADULT/ CHLORMADINONE, pharmacodynamics/ CILIA, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ EPITHELIUM, drug effects/ FALLOPIAN TUBES, anatomy & histology/ *FALLOPIAN TUBES, drug effects/ FEMALE/ HUMAN/ MESTRANOL, pharmacodynamics/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOCHONDRIA

1136. **Freeman AG:** Thiocyanate metabolism in human vitamin B12 deficiency. Br Med J 1:231-2, 27 Jan 73
AMBLYOPIA, etiology/ ANEMIA, PERNICIOUS, complications/ FEMALE/ HUMAN/ MALE/ OPTIC NEURITIS, etiology/ SEX FACTORS/ SMOKING, complications/ SPINAL CORD DISEASES, etiology/ *THIOCYANATES, metabolism/ THIOCYANATES, poisoning/ *VITAMIN B 12 DEFICIENCY, metabolism

1137. **Freeman HC, Idler DR:** Effects of corticosteroids on liver transaminases in two salmonids, the rainbow trout (Salmo gairdneri) and the brook trout (Salvelinus fontinalis).
Gen Comp Endocrinol 20:69-75, Feb 73
*ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ BIOLOGICAL ASSAY/ BODY WEIGHT/ CORTISONE, biosynthesis/ *CORTISONE, pharmacodynamics/ HYDROCORTISONE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ *SALMONIDAE, enzymology/ STIMULATION, CHEMICAL

1138. **Frehn JL, Urry RL, Balph DF, et al:** Photoperiod and crowding effects on testicular serotonin metabolism and lack of effects on melatonin synthesis in Uinta ground squirrels (Spermophilus armatus).
J Exp Zool 183:139-44, Feb 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ *CIRCADIAN RHYTHM/ *CROWDING/ DARKNESS/ ENVIRONMENTAL EXPOSURE/ LIGHT/ MALE/ *MELATONIN, biosynthesis/ MONOAMINE OXIDASE, analysis/ MONOAMINE OXIDASE, metabolism/ ORGAN CULTURE/ ORGAN WEIGHT/ PINEAL BODY, metabolism/ *SEROTONIN, metabolism/ *SQUIRRELS, metabolism/ TESTIS, anatomy & histology/ *TESTIS, enzymology

1139. **Frei E 3d:** Status and perspectives in chemotherapy of Hodgkin's disease. Arch Intern Med 131:439-45, Mar 73
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ BREAST NEOPLASMS, drug therapy/ BURKITT'S LYMPHOMA, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LYMPHOSARCOMA, drug therapy/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ MICE/ MITOSIS, drug effects/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ REMISSION/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

1140. **Frei E 3d, Luce JK:** Updated Hodgkins' disease. C. Advanced disease and special problems. Advances in chemotherapy. JAMA 223:166-8, 8 Jan 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, therapeutic use/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ REMISSION/ VINBLASTINE, administration & dosage/ *VINBLASTINE, therapeutic use/

VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

1141. **Frick A:** Proximal tubular reabsorption of inorganic phosphate during saline infusion in the rat. Am J Physiol 223:1034-40, Nov 72
ABSORPTION/ ANIMAL EXPERIMENTS/ EXTRACELLULAR SPACE/ FEMALE/ GLOMERULAR FILTRATION RATE/ INFUSIONS, PARENTERAL/ INULIN/ ISOTONIC SOLUTIONS/ *KIDNEY TUBULES, physiology/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, metabolism/ KIDNEY TUBULES, PROXIMAL, physiology/ PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ PUNCTURES/ RATS/ SODIUM, metabolism/ SODIUM CHLORIDE/ URINATION, drug effects/ WATER-ELECTROLYTE BALANCE

1142. **Fridberg DI, Prikhozhan VM, Kuuz AL, et al:** Oftal'moplegicheskaia migren' posle total'noi adrenaléktomii po povodu bolezni Itsenko-Kushinga. Probl Endokrinol (Mosk) 18:50-2, Nov-Dec 72 (Rus)
*ADRENALECTOMY, adverse effects/ ADULT/ *CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ MALE/ *MIGRAINE, etiology/ *OCULOMOTOR PARALYSIS, complications

1143. **Friedenstein AJ, Lalykina KS:** Thymus cells are inducible to osteogenesis. Eur J Immunol 2:602-3, Dec 72
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BONE AND BONES/ DECALCIFICATION TECHNIC/ EPITHELIUM/ FEMUR/ GUINEA PIGS/ LYMPHOCYTES, transplantation/ MICROPORE FILTERS/ *OSTEOGENESIS/ RABBITS/ *THYMUS GLAND, cytology

1144. **Friedlaender K, Simon-Weidner R:** Thyreogene Gefährdung Frischoperierter. Med Welt 24:291-3, 23 Feb 73 (Ger)
ADULT/ AUTONOMIC NERVOUS SYSTEM/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ *THYROID CRISIS, etiology

1145. **Friedlander DH:** A guide to safe and effective digitalis therapy. Drugs 3:404-13, 1972
CHILD/ DIGITALIS GLYCOSIDES, administration & dosage/ DIGITALIS GLYCOSIDES, adverse effects/ DIGITALIS GLYCOSIDES, pharmacodynamics/ *DIGITALIS GLYCOSIDES, therapeutic use/ DIGOXIN, blood/ DIGOXIN, metabolism/ DIGOXIN, toxicity/ DRUG INTERACTIONS/ HEART, drug effects/ HEART, physiopathology/ HUMAN/ INTESTINAL ABSORPTION/ KIDNEY, metabolism/ LIVER, metabolism/ THYROID GLAND, physiopathology/ WATER-ELECTROLYTE BALANCE

1146. **Friedman EA, Rattazi T:** Medullary cystic disease in monozygotic twins. NY State J Med 73:785-90, 15 Mar 73
ADULT/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ KIDNEY, CYSTIC, complications/ *KIDNEY, CYSTIC, familial & genetic/ KIDNEY, CYSTIC, pathology/ KIDNEY, CYSTIC, radiography/ KIDNEY FUNCTION TESTS/ RENAL OSTEODYSTROPHY, etiology/ SODIUM CHLORIDE, diagnostic use/ UREMIA, etiology/ UREMIA, metabolism

1147. **Friedman H, Carey RJ:** Biomagnetic stressor effects in primates. Physiol Behav 9:171-3, Aug 72
ANIMAL EXPERIMENTS/ *BRAIN, pathology/ FEMALE/ 17-HYDROXYCORTICOSTEROIDS, urine/ *MAGNETICS/ MODELS, BIOLOGICAL/ MONKEYS/ *STRESS/ STRESS, pathology

1148. **Frisén L:** A versatile color confrontation test for the central visual field. A comparison with quantitative perimetry. Arch Ophthalmol 89:3-9, Jan 73
ADENOMA, complications/ ADULT/ ANEURYSM, complications/ BRAIN NEOPLASMS, complications/ *COLOR PERCEPTION TESTS/ COMPARATIVE STUDY/ CONTUSIONS, complications/ CRANIOPHARYNGIOMA, complications/ FALSE NEGATIVE REACTIONS/ FEMALE/ GLAUCOMA, complications/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PERIMETRY/ PITUITARY NEOPLASMS, complications/ TEMPORAL LOBE/ VISION DISORDERS, diagnosis/ VISION DISORDERS, etiology/ *VISUAL FIELDS/ VISUAL PATHWAYS

1149. **Frizzell RA, Neilans HN, Rose RC, et al:** Intracellular Cl concentrations and influxes across the brush border of rabbit ileum. Am J Physiol 224:328-37, Feb 73
ACETAZOLAMIDE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CHLORIDES, administration & dosage/ *CHLORIDES, metabolism/ CHLORIDES, secretion/ ILEUM, metabolism/ IN VITRO/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ INTESTINES, secretion/ MALE/ RABBITS/ THEOPHYLLINE, pharmacodynamics

1150. **Froehlich JE, Rachmeler M:** Effect of adenosine 3'-5'-cyclic monophosphate on cell proliferation. J Cell Biol 55:19-31, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BIOPSY/ *CELL DIVISION, drug effects/ CELLS, CULTURED/ CONTACT INHIBITION/ CULTURE MEDIA/ DIPLOIDY/ DNA, biosynthesis/ FIBROBLASTS/ HUMAN/ IMMUNE SERUMS/ KINETICS/ PROTEINS, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SKIN/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

1151. **Fröhlich H:** Die Reaktion des nichtgraviden menschlichen Uterus in situ auf Vasopressin. Wien Klin Wochenschr 84:828-31, 22 Dec 72 (Ger)
ADULT/ CATHETERIZATION/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ MEMBRANE POTENTIALS, drug effects/ MENSTRUATION, drug effects/ MIDDLE AGE/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ OVULATION, drug effects/ PROGESTATIONAL HORMONES, pharmacodynamics/ *UTERUS, drug effects/ *VASOPRESSIN, pharmacodynamics

1152. **Froland A, Frandsen VA, Johnsen SG:** Adrenal and gonadal contribution to androgen and oestrogen excretion in Klinefelter's syndrome. Acta Endocrinol (Kbh) 72:182-90, Jan 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, urine/ ADULT/ ANDROSTERONE, urine/ DEHYDROEPIANDROSTERONE, urine/ DEXAMETHASONE, diagnostic use/ ESTRADIOL, urine/ ESTRONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ *KLINEFELTER'S SYNDROME, urine/ MALE/ MIDDLE AGE

1153. **Frolik CA, DeLuca HF:** The stimulation of 1,25-dihydroxycholecalciferol metabolism in vitamin D-deficient rats by 1,25-dihydroxycholecalciferol treatment. J Clin Invest 52:543-8, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ HYDROXYCHOLECALCIFEROL, administration & dosage/ HYDROXYCHOLECALCIFEROL, blood/ *HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYCHOLECALCIFEROL, therapeutic use/ INJECTIONS, INTRAVENOUS/ INTESTINES, metabolism/ KIDNEY,

metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ RATS/ TRITIUM/ VITAMIN D DEFICIENCY, drug therapy/ *VITAMIN D DEFICIENCY, metabolism

1154. **Froman C:** The management of head injuries. A review.
S Afr Med J 46:1941-6, 9 Dec 72 (24 ref.)
BODY TEMPERATURE/ *BRAIN INJURIES, ACUTE/ BRAIN INJURIES, ACUTE, diagnosis/ BRAIN INJURIES, ACUTE, radiography/ CEREBRAL ANGIOGRAPHY/ DEBRIDEMENT/ DIURETICS, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ *HEAD INJURIES/ HEAD INJURIES, etiology/ HEAD INJURIES, rehabilitation/ HEAD INJURIES, therapy/ HEMATOMA, EPIDURAL, etiology/ HEMATOMA, SUBDURAL, etiology/ HOSPITALIZATION/ HUMAN/ INTUBATION, INTRATRACHEAL/ REVIEW/ SKULL FRACTURES, diagnosis/ SKULL FRACTURES, surgery

1155. **Fromer JL, Jaffe N:** Urticaria pigmentosa and acute lymphoblastic leukemia.
Arch Dermatol 107:283-4, Feb 73
ACUTE DISEASE/ ASPARAGINASE, therapeutic use/ BONE MARROW EXAMINATION/ BONE NEOPLASMS, radiography/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ *URTICARIA PIGMENTOSA, complications/ VINCRISTINE, therapeutic use

1156. **Frommer U, Ullrich V, Staudinger H, et al:** The monooxygenation of N-heptane by rat liver microsomes.
Biochim Biophys Acta 280:487-94, 8 Dec 72
AEROBIOSIS/ ALCOHOLS, isolation & purification/ *ALKANES, metabolism/ ANIMAL EXPERIMENTS/ CARBON MONOXIDE, pharmacodynamics/ CHROMATOGRAPHY, GAS/ CYTOCHROME P-450, metabolism/ HYDROXYLATION/ IN VITRO/ ISOMERISM/ KINETICS/ MASS SPECTRUM ANALYSIS/ METYRAPONE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ MYOCARDIUM, enzymology/ NADP/ OXIDATION-REDUCTION/ OXYGENASES, analysis/ PHENOBARBITAL, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SWINE/ VIBRATION

1157. **Frostell G:** Betydelsen ur cariologisk synpunkt av störningar i salivsekretionen.
Sven Tandlak Tidskr 66:69-80, Jan 73 (Swe)
ANEMIA, complications/ DEGLUTITION DISORDERS, complications/ DENTAL CALCULUS/ *DENTAL CARIES, etiology/ DIABETES MELLITUS, complications/ DIET, CARIOGENIC/ FLUORIDES, TOPICAL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPOPARATHYROIDISM, complications/ HYPOTHYROIDISM, complications/ SALIVA, drug effects/ SALIVARY GLANDS, physiopathology/ *SALIVATION/ TOOTH ABRASION/ TOOTH EROSION/ XEROSTOMIA

1158. **Fryklund L, Eaker D, Karlsson E:** Amino acid sequences of the two principal neurotoxins of Enhydrina schistosa venom.
Biochemistry 11:4633-40, 21 Nov 72
ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CARBON ISOTOPES/ CELLULOSE/ CHYMOTRYPSIN/ DISULFIDES, analysis/ ELECTROPHORESIS/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ IODOACETATES/ MALEATES/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PYRIDINES/ *SNAKES/ THIOCYANATES/ TRYPSIN/ *VENOMS, analysis/ VINYL COMPOUNDS

1159. **Fu ST, Ho KJ, Taylor CB, et al:** Thyroid hormones: effect on aortic acid mucopolysaccharides and atherosclerosis in rabbits.
Proc Soc Exp Biol Med 142:607-13, Feb 73
ANIMAL EXPERIMENTS/ AORTA, analysis/ AORTA, drug effects/ *AORTA, metabolism/ *ARTERIOSCLEROSIS, metabolism/ CHOLESTEROL/ CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHONDROITIN, analysis/ DIETARY FATS/ FEMALE/ HEPARITIN SULFATE, analysis/ HEXOSAMINES, blood/ HYALURONIC ACID, analysis/ MUCOPOLYSACCHARIDES, analysis/ *MUCOPOLYSACCHARIDES, metabolism/ PHOSPHOLIPIDS, blood/ RABBITS/ THIOURACIL, pharmacodynamics/ *THYROXINE, pharmacodynamics

1160. **Fuente P de la, Gonzalez A, Castellanos RD, et al:** Les ultrasons dans le diagnostic gynécologique.
Rev Fr Gynecol Obstet 68:43-51, Jan 73 (Fre)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ NEOPLASM METASTASIS, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ *PREGNANCY, ECTOPIC, diagnosis/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

1161. **Fujii S, Okuda H:** [Lipid metabolism and cyclic AMP]
Jap J Clin Pathol 20:798-804, Nov 72 (20 ref.) (Jap)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, biosynthesis/ IMIDAZOLES, pharmacodynamics/ LIPASE, analysis/ LIPASE, isolation & purification/ LIPASE, metabolism/ LIPID MOBILIZATION/ *LIPIDS, metabolism/ PHOSPHOTRANSFERASES, metabolism/ RATS/ REVIEW/ TEMPERATURE/ TRITIUM

1162. **Fujimori T, Obara T, Sanada N, et al:** [Marble bone disease with advanced osteoscierotic lesions in radiographs]
Jap J Clin Radiol 18:125-30, Feb 73 (Jap)
ADULT/ *BONE AND BONES, radiography/ FEMALE/ HUMAN/ *OSTEOPETROSIS, radiography

1163. **Fujimoto K, Shirasuna K, Miyazaki T, et al:** Ultrastructural changes in rabbit parotid gland induced by electrical stimulation o the hypothalamus.
Med J Osaka Univ 22:215-43, Mar 72
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ MICROSCOPY, ELECTRON/ *PAROTID GLAND, cytology/ RABBITS

1164. **Fujino M, Shinagawa S, Yamazaki I, et al:** (Des-Gly-NH 10 2 , pro-ethylamide 9)-LH-RH: a highly potent analog of luteinizing hormone releasing hormone.
Arch Biochem Biophys 154:488-9, Jan 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *LH/ OVULATION, drug effects/ PEPTIDES, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

1165. **Fukuchi S, Takeuchi T, Torikai T:** Determination of plasma renin activity by radioimmunoassay of angiotensin I.
Clin Sci 44:43-54, Jan 73
ADOLESCENCE/ ADULT/ *ANGIOTENSIN, blood/ BIOLOGICAL ASSAY/ CHRONIC DISEASE/ EDTA/ GLOMERULONEPHRITIS, enzymology/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERALDOSTERONISM, enzymology/ HYPERTENSION, enzymology/ HYPERTENSION, RENAL, enzymology/

IODINE ISOTOPES/ ISOFLUROPHATE/ METHODS/ MIDDLE AGE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN

1166. **Fukuchi S, Takeuchi T, Nakajima K, et al:** [Hemodialysis and bypertension]
Jap J Clin Med 30:2470-7, Dec 72 **(Jap)**
ALDOSTERONE, blood/ ANGIOTENSIN, blood/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYPERTENSION, etiology/ KIDNEY FAILURE, CHRONIC, blood/ RENIN, blood

1167. **Fukuchi S, Takeuchi T, Miura Y, et al:** [Etiology of byperaldosteronemia in adrenogenital syndrome]
Clin Endocrinol (Tokyo) 20:869-73, Oct 72 **(Jap)**
ADRENOGENITAL SYNDROME, blood/ *ADRENOGENITAL SYNDROME, complications/ ALDOSTERONE, blood/ ANGIOTENSIN, blood/ ANGIOTENSIN, diagnostic use/ CHILD/ CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, etiology/ RADIOIMMUNOASSAY/ RENIN, blood/ SODIUM CHLORIDE

1168. **Fukui S:** [Calcium ion affecting lens transparency]
Acta Soc Opbthalmol Jap 76:1303-8, Oct 72 **(Jap)**
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CATARACT, etiology/ CATIONS, DIVALENT/ CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ *LENS, CRYSTALLINE, metabolism/ MAGNESIUM, metabolism/ MALE/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism

1169. **Fukushima K, Miyashita K, Ogawa R:** [Urinary excretion of pancuronium bromide]
Jap J Anesthesiol 21:1327-32, Dec 72 **(Jap)**
ADULT/ *ANDROSTANES, urine/ ANIMAL EXPERIMENTS/ *CURARE-LIKE AGENTS, urine/ DOGS/ ENGLISH ABSTRACT/ PANCURONIUM, urine

1170. **Fulford KW, Catterall RD, Delhanty JJ, et al:** A collagen disorder of the nervous system presenting as multiple sclerosis. Brain 95:373-86, 1972
ADULT/ ANTIBODIES/ BLOOD CELL COUNT/ BLOOD SEDIMENTATION/ CEREBROSPINAL FLUID PROTEINS, analysis/ COMPLEMENT FIXATION TESTS/ DIAGNOSIS, DIFFERENTIAL/ ERYTHROCYTES, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HEMOGLOBINOMETRY/ HUMAN/ IMMUNOGLOBULINS/ KIDNEY, immunology/ LATEX FIXATION TESTS/ LE CELLS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ MIDDLE AGE/ *MULTIPLE SCLEROSIS, diagnosis/ MULTIPLE SCLEROSIS, immunology/ PRECIPITIN TESTS/ STOMACH, immunology/ SYPHILIS SERODIAGNOSIS/ THYROGLOBULIN/ THYROID GLAND, immunology

1171. **Fuller LM, Gamble JF:** Updated Hodgkin's disease. C. Advanced disease and special problems. Combined cbemotberapy-radiotberapy program.
JAMA 223:168-9, 8 Jan 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, tberapeutic use/ *CYCLOPHOSPHAMIDE, tberapeutic use/ EVALUATION STUDIES/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, radiotberapy/ *HODGKIN'S DISEASE, tberapy/ HUMAN/ *MECHLORETHAMINE, therapeutic use/ *PREDNISONE, therapeutic use/ PROCARBAZINE, tberapeutic use/ SPLENECTOMY/ *VINCRISTINE, therapeutic use

1172. **Fuller RW, Snoddy HD, Roush BW, et al:** Further structure-activity studies on the lowering of brain 5-bydroxyindoles by 4-chloramphetamine.
Neuropharmacology 12:33-42, Jan 73
AMPHETAMINE, administration & dosage/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, cytology/ *BRAIN CHEMISTRY, drug effects/ CARBON ISOTOPES/ CHLORINE, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUOROMETRY/ HYDROXYINDOLEACETIC ACID, analysis/ *INDOLES, analysis/ MALE/ MITOCHONDRIA, enzymology/ MONOAMINE OXIDASE INHIBITORS, analysis/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *PHENETHYLAMINES, pharmacodynamics/ PROADIFEN, pharmacodynamics/ RATS/ SEROTONIN, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

1173. **Fuller RW, Snoddy HD, Molloy BB:** Effect of , -difluoro substitution on the disposition and pharmacological effects of 4-chloroampbetamine in rats.
J Pharmacol Exp Tber 184:278-84, Jan 73
*AMPHETAMINE/ AMPHETAMINE, analysis/ AMPHETAMINE, metabolism/ AMPHETAMINE, urine/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ CHEMISTRY/ CHLORINE/ FEVER, chemically induced/ FLUORINE, metabolism/ *FLUORINE, pharmacodynamics/ HALF-LIFE/ KINETICS/ MALE/ RATS/ SEROTONIN, analysis/ SOLUBILITY/ SPECTROPHOTOMETRY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

1174. **Funder JW, Feldman D, Edelman IS:** Glucocorticoid receptors in rat kidney: the binding of tritiated-dexamethasone.
Endocrinology 92:1005-13, Apr 73
ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ DESOXYCORTICOSTERONE, metabolism/ *DEXAMETHASONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ metabolism/ MALE/ PROGESTERONE, metabolism/ RATS/ *RECEPTORS, DRUG/ TEMPERATURE/ TIME FACTORS/ TRITIUM

1175. **Funder JW, Feldman D, Edelman IS:** Specific aldosterone binding in rat kidney and parotid.
J Steroid Biochem 3:209-18, Feb 72
*ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ CHROMATIN, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOSOL, metabolism/ DNA, metabolism/ KIDNEY, cytology/ *KIDNEY, metabolism/ MALE/ PAROTID GLAND, cytology/ *PAROTID GLAND, metabolism/ PROTEIN BINDING/ PROTEINS, biosyntbesis/ RATS/ TIME FACTORS/ TRITIUM

1176. **Funder JW, Feldman D, Edelman IS:** The roles o plasma binding and receptor specificity in th mineralocorticoid action of aldosterone.
Endocrinology 92:994-1004, Apr 73
ALDOSTERONE, blood/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *BINDING SITES/ CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ DESOXYCORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, metabolism/ KIDNEY, metabolism/ MALE/ PROTEIN BINDING/ RATS/ TRITIUM

1177. **Funk FJ Jr:** Hip problems in systemic disease
Clin Orthop 90:2-3, Jan-Feb 73
ALCOHOLISM, complications/ ANEMIA, SICKLE CELL, complications/ ARTHRITIS, RHEUMATOID, complications/ *BONE DISEASES/ BONE DISEASES, DEVELOPMENTAL/ DWARFISM, complications/ FEMUR HEAD NECROSIS, etiology/ GAUCHER'S DISEASE, complications GLUCOCORTICOIDS, adverse effects/ *HIP/ HIP JOINT/ HUMAN/ JOINT DISEASES, chemically induced/ *JOINT DISEASES,

etiology/ KIDNEY, transplantation/ NERVOUS SYSTEM DISEASES, complications

1178. **Funyu T, Kudo S, Shiraiwa Y, et al:** [Changes in the fraction of urinary free 17-OHCS during surgical stress]
Folia Endocrinol Jap 48:432-42, 20 Sep 72 (Jap)
ADULT/ AGED/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ GLUCURONIDASE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ HYDROLYSIS/ *17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *STRESS, physiopathology/ *SURGERY, OPERATIVE/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

1179. **Funyu T, Kudo S, Shiraiwa Y, et al:** [Exogenic cortisol and cortisone metabolism during the time of non-stress and surgical stress]
Clin Endocrinol (Tokyo) 20:731-7, Sep 72 (Jap)
ADRENALECTOMY/ *CORTISONE, metabolism/ HUMAN/ *HYDROCORTISONE, metabolism/ 17-HYDROXYCORTICOSTEROIDS, urine/ LIVER, metabolism/ *STRESS, metabolism/ *SURGERY, OPERATIVE

1180. **Furnemont E:** Les ulcères médicamenteux du tractus gastroduodénal. A propos d'une expérience personnelle.
Acta Gastroenterol Belg 35:371-83, Sep 72 (Fre)
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ASPIRIN, adverse effects/ *DUODENAL ULCER, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ INDOMETHACIN, adverse effects/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, adverse effects/ *STOMACH ULCER, chemically induced

1181. **Furr BJ:** Radioimmunoassay of progesterone in peripheral plasma of the domestic fowl in various physiological states and in follicular venous plasma.
Acta Endocrinol (Kbh) 72:89-100, Jan 73
ANIMAL EXPERIMENTS/ CHICKENS/ FEMALE/ GOATS, immunology/ MALE/ METHODS/ OVULATION/ POULTRY/ *PROGESTERONE, blood/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY/ TRITIUM

1182. **Furr BJ, Bonney RC, Cunningham FJ:** The hormonal control of ovulation in the laying hen.
J Reprod Fertil 31:495-6, Dec 72
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ FEMALE/ *LH, blood/ *OVULATION/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY

1183. **Furth J, Martin JM, Moy P, et al:** Growth hormonal activity of thyrotropic pituitary tumors.
Proc Soc Exp Biol Med 142:511-5, Feb 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ HEART, anatomy & histology/ HISTOCYTOCHEMISTRY/ IODINE ISOTOPES/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ MALE/ MICE/ NEOPLASMS, EXPERIMENTAL/ ORGAN WEIGHT/ PITUITARY NEOPLASMS, blood/ *PITUITARY NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, blood/ THYROIDECTOMY/ THYROTROPIN, biosynthesis/ THYROTROPIN, blood

1184. **Furuta A, Nakata J, Awataguchi T:** [Encephalomyeloscintigram]
Jap J Clin Radiol 18:10-8, Jan 73 (Jap)
ADOLESCENCE/ ADULT/ *BRAIN/ BRAIN DISEASES, diagnosis/ BRAIN NEOPLASMS, diagnosis/ CHILD/ FEMALE/ HUMAN/ IODINE ISOTOPES/ MALE/ PINEALOMA, diagnosis/ *RADIOISOTOPE SCANNING/ *SPINAL CORD/ SPINAL CORD DISEASES, diagnosis/ SPINAL NEOPLASMS, diagnosis/ YTTERBIUM

1185. **Fylling P:** Dexamethasone or propranolol blockade of induced increase in plasma progesterone in early human pregnancy.
Acta Endocrinol (Kbh) 72:569-72, Mar 73
AMINOPHYLLINE, antagonists & inhibitors/ AMINOPHYLLINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ *PREGNANCY/ *PROGESTERONE, blood/ *PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ STIMULATION, CHEMICAL/ TIME FACTORS/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics

1186. **Fylling P, Sjaastad OV, Velle W:** Mid-term abortion induced in sheep by synthetic corticoids.
J Reprod Fertil 32:305-6, Feb 73
*ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ PREGNANCY/ PROGESTERONE, blood/ *SHEEP, physiology

G

1187. **Gaal K, Fazekas A, Vigvary L:** Gemeinsames Vorkommen von kongenitaler Asymmetrie und Veränderungen des Nervensystems bei Prader-Labhart-Willischem Syndrom.
Kinderaerztl Prax 40:453-60, Oct 72 (Ger)
*ABNORMALITIES, MULTIPLE, complications/ BONE DEVELOPMENT/ CHILD/ DWARFISM, complications/ ELECTROENCEPHALOGRAPHY/ EXTREMITIES, growth & development/ FEMALE/ *GROWTH DISORDERS, complications/ HUMAN/ *HYPOGONADISM, complications/ KARYOTYPING/ *MENTAL RETARDATION, complications/ *NERVOUS SYSTEM DISEASES, complications/ OBESITY, complications/ SYNDROME

1188. **Gabe M:** Données histologiques sur les cellules endocrines gastro-duodénales des amphibiens.
Arch Histol Jap 35:51-81, Nov 72 (Fre)
*AMPHIBIA, anatomy & histology/ BUFO BUFO, anatomy & histology/ CHROMAFFIN SYSTEM, cytology/ *DUODENUM, cytology/ ENGLISH ABSTRACT/ FROGS, anatomy & histology/ *GASTRIC MUCOSA, cytology/ HUMAN/ *INTESTINAL MUCOSA, cytology/ RANA, anatomy & histology/ RANA TEMPORARIA, anatomy & histology/ SALAMANDERS, anatomy & histology/ SALAMANDRA, anatomy & histology/ STAINS AND STAINING/ TOADS, anatomy & histology/ TRITURUS, anatomy & histology/ XENOPUS, anatomy & histology

1189. **Gabe M:** Données histochimiques sur l'évolution du produit de neurosécrétion protocéphalique des Insects Ptérygotes au cours de son cheminement axonal.
Acta Histochem (Jena) 43:168-83, 1972 (Fre)
ANIMAL EXPERIMENTS/ AXONS, physiology/ *AXOPLASMIC FLOW/ ENGLISH ABSTRACT/ FROGS/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *INSECTS/ *NEUROSECRETION/ RANA TEMPORARIA/ STAINS AND STAINING

1190. **Gaddie J, Reid IW, Skinner C, et al:** Aerosol beclomethasone dipropionate in chronic bronchial asthma. Lancet 1:691-3, 31 Mar 73
ADULT/ AEROSOLS/ AGED/ AIRWAY OBSTRUCTION, diagnosis/ *ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, adverse effects/ BECLOMETHASONE, therapeutic use/ CHRONIC DISEASE/ CLINICAL RESEARCH/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, administration & dosage/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ MIDDLE AGE/ PLACEBOS/ SPIROMETRY/ TIME FACTORS

1191. **Gaillard D, Derache R:** Détoxication par les microsomes hépatiques.

Eur J Toxicol 5:273-83, Sep-Oct 72 (101 ref.) (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON MONOXIDE, pharmacodynamics/ CATS/ CHICKENS/ ELECTRON TRANSPORT/ ENGLISH ABSTRACT/ ENZYMES, antagonists & inhibitors/ FEMALE/ GENETICS/ GUINEA PIGS/ HAMSTERS/ HORMONES, metabolism/ LIVER, injuries/ MICE/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ MICROSOMES, LIVER, radiation effects/ NADP, metabolism/ NUTRITION/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ PIGEONS/ PREGNANCY/ RABBITS/ RATS/ REVIEW/ SEX FACTORS/ SPECIES SPECIFICITY

1192. Gaind B, Mathur VS: Anils as possible antifertility agents. J Reprod Fertil 31:383-6, Dec 72
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ *IMINES, pharmacodynamics/ *NAPHTHALENES, pharmacodynamics/ NAPHTHOLS, administration & dosage/ NAPHTHOLS, toxicity/ NIDATION, drug effects/ OVULATION, drug effects/ *PIPERIDINES, pharmacodynamics/ PREGNANCY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

1193. Galtán E: Water-horne goitrogens and their role in the etiology of endemic goiter.
World Rev Nutr Diet 17:53-90, 1973 (101 ref.)
ANIMAL EXPERIMENTS/ CHILD/ COLOMBIA/ DEFICIENCY DISEASES/ FEMALE/ *GOITER, ENDEMIC/ GOITER, ENDEMIC, chemically induced/ GOITER, ENDEMIC, drug therapy/ GOITER, ENDEMIC, etiology/ GOITER, ENDEMIC, occurrence/ HUMAN/ *HYDROCARBONS/ HYDROCARBONS, analysis/ IODINE, metabolism/ IODINE, therapeutic use/ IODINE, urine/ IODINE ISOTOPES, DIAGNOSTIC/ REVIEW/ SOCIOECONOMIC FACTORS/ SULFUR/ SULFUR, analysis/ THYROID GLAND, pathology/ THYROID GLAND, physiopathology/ THYROTROPIN, physiology/ WATER, analysis/ *WATER POLLUTION, CHEMICAL/ WATER SUPPLY

1194. Galambos JT: Alcoholic hepatitis: its therapy and prognosis. Prog Liver Dis 4:567-88, 1972 (89 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ALCOHOL DRINKING/ ALCOHOL, ETHYL, adverse effects/ *ALCOHOLISM, complications/ ANDROGENS, therapeutic use/ ASCITES, mortality/ BIOPSY/ DIET THERAPY/ FEMALE/ FOLLOW-UP STUDIES/ HEPATITIS, TOXIC, blood/ HEPATITIS, TOXIC, complications/ HEPATITIS, TOXIC, diagnosis/ HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, mortality/ HEPATITIS, TOXIC, pathology/ *HEPATITIS, TOXIC, therapy/ HUMAN/ LIVER, pathology/ LIVER CIRRHOSIS, etiology/ LIVER CIRRHOSIS, mortality/ MALE/ MIDDLE AGE/ PROGNOSIS/ REVIEW/ VITAMINS, therapeutic use

1195. Galle P, Hazard J, Perlemuter L, et al: Intérêt de la gamma caméra dans l'exploration thyroïdienne.
Ann Endocrinol (Paris) 33:278-9, May-Jun 72 (Fre)
CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOISOTOPE SCANNING/ *THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis

1196. Galletti F, Gardi R: Metabolism of 1-dehydroandrostanes in man. II-Metabolism of 5 beta-androst-1-enes. J Steroid Biochem 3:831-5, Sep 72
ADULT/ *ANDROSTENES, metabolism/ ANDROSTENES, urine/ ETIOCHOLANOLONE, biosynthesis/ HUMAN/ HYDROXYSTEROIDS, metabolism/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE

1197. Galli F, Wassermann GF: Steroid biosynthesis by testes and ovaries of 15-day-old chick embryos.
Gen Comp Endocrinol 19:509-14, Dec 72
ANDROSTENES, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHICK EMBRYO, metabolism/ CHROMATOGRAPHY/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ IN VITRO/ MALE/ *OVARY, embryology/ OVARY, metabolism/ PROGESTERONE, biosynthesis/ PROGESTERONE, metabolism/ *SEX HORMONES, biosynthesis/ *TESTIS, embryology/ TESTIS, metabolism/ TESTOSTERONE, biosynthesis

1198. Gallissian A, Girardie J: Etude histologique et ultrastructurale des cellules nerveuses du cerveau d'Eophila dolifusi Tétry (Lumbricide.
C R Acad Sci [D] (Paris) 275:79-82, 3 Jul 72 (Fre)
ANIMAL EXPERIMENTS/ *ANNELIDA, anatomy & histology/ AXONS/ ENDOPLASMIC RETICULUM/ MICROSCOPY, ELECTRON/ *NEUROSECRETORY SYSTEMS, cytology/ ORGANOIDS/ STAINS AND STAINING

1199. Gamble JF, Fuller LM, Ibrahim E, et al: Combined chemotherapy radiotherapy management of stage 3 Hodgkin's disease. Arch Intern Med 131:435-8, Mar 73
ADULT/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ BLOOD CELL COUNT/ BLOOD PLATELETS, drug effects/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ RADIOTHERAPY DOSAGE/ REMISSION/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

1200. Garbers DL, First NL, Lardy HA: Properties of adenosine 3',5'-monophosphate-dependent protein kinases isolated from bovine epididymal spermatozoa.
J Biol Chem 248:875-9, 10 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CASEIN/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ EPIDIDYMIS/ GEL FILTRATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HISTONES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, analysis/ *PHOSPHOTRANSFERASES, isolation & purification/ PROTEIN BINDING/ PROTEINS/ SOLUBILITY/ *SPERMATOZOA, enzymology/ SULFIDES/ TRITIUM

1201. Gardó S, Papp Z, Arvay A: Zytogenetik in der geburtshilflichen und gynäkologischen Praxis.
Zentralbl Gynaekol 95:209-16, 16 Feb 73 (Ger)
ABORTION, diagnosis/ ABORTION, HABITUAL, diagnosis/ AMENORRHEA, diagnosis/ AUTOSOME ABNORMALITIES, diagnosis/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOME MAPPING/ *CYTOGENETICS/ FEMALE/ FETUS/ GYNECOLOGY/ HERMAPHRODITISM, diagnosis/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MONGOLISM, diagnosis/ OBSTETRICS/ PREGNANCY/ *PRENATAL DIAGNOSIS/ PSEUDOHERMAPHRODITISM, diagnosis/ SEX CHROMATIN, analysis/ SEX CHROMOSOME ABNORMALITIES, diagnosis

1202. Garg BD, Kovacs K, Tschweber B: Ultrastructural changes in the rat liver following protracted treatment with pregnenolone-16 -carbonitrile and digitoxin. Virchows Arch [Zellpathol] 12:61-72, 1973
ANIMAL EXPERIMENTS/ CELL MEMBRANE/

CELL NUCLEUS/ CELLULAR INCLUSIONS, drug effects/ CYTOPLASMIC GRANULES/ DIGITOXIN, administration & dosage/ *DIGITOXIN, pharmacodynamics/ ENDOPLASMIC RETICULUM, drug effects/ FEMALE/ GOLGI APPARATUS/ LIPIDS/ *LIVER, cytology/ LIVER, drug effects/ LYSOSOMES/ MICROBODIES/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER/ PREGNENOLONE, administration & dosage/ *PREGNENOLONE, pharmacodynamics/ RATS

1203. **Garmasheva NL:** Nekotorye gemodinamicbeskie protsessy v funktsional'noĭ sisteme mat'-platsenta-plod, ikh regulitatsiia v interesakh ploda.
Akush Ginekol (Mosk) 48:33-8, Dec 72 (Rus)
ADULT/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTROGENS, tberapeutic use/ FEMALE/ *HEMODYNAMICS/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, blood supply/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, prevention & control/ UTERUS, blood supply

1204. **Garn W:** Percutane Resorptionsstudie mit corticoiden.
Arch Dermatol Forscb 244:546-8, 1972 (Ger)
CORTICOSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ *GLUCOCORTICOIDS, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ SKIN, metabolism/ *SKIN ABSORPTION/ STATISTICS

1205. **Gasc JM, Liébart JC:** Utilisation d'un milieu de culture géloséé pour les expériences d'incorporation de thymidine tritiée dans les gonades embryonnaires de poulet.
C R Acad Sci [D] (Paris) 275:113-6, 3 Jul 72 (Fre)
AUTORADIOGRAPHY/ CHICK EMBRYO/ *CULTURE MEDIA/ *DNA, biosynthesis/ *GONADS, embryology/ HYDROXYUREA, pharmacodynamics/ *THYMIDINE, metabolism/ TRICHLOROACETIC ACID/ TRITIUM

1206. **Gasparian EG, Nikitin AI, Sokoloverova IM:** Vliianie razdel'nogo i kombinirovannogo primeneniia éstrogenov i androgenov na morfometricbeskie pokazateli ostrovkovogo apparata podzbeludochnoĭ zbelezy krys-samok intaktnykh i s alloksanovym diabetom.
Probl Endokrinol (Mosk) 18:56-61, Jul-Aug 72 (Rus)
ALLOXAN DIABETES, blood/ *ALLOXAN DIABETES, drug tberapy/ ALLOXAN DIABETES, pathology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, tberapeutic use/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, patbology/ MALE/ RATS/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, tberapeutic use/ TIME FACTORS

1207. **Gatehouse PW, Roy AB, Dodgson KS, et al:** The metabolism of sodium cortisone 21-(35 S)sulphate in tbe rat. Biocbem J 127:661-8, May 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BILE, metabolism/ CHROMATOGRAPHY, PAPER/ *CORTISONE, metabolism/ ELECTROPHORESIS, PAPER/ FEMALE/ LIVER, metabolism/ MALE/ RATS/ STEROIDS, metabolism/ *SULFATES, metabolism/ SULFATES, urine/ SULFUR ISOTOPES

1208. **Gates RR, Friesen H, Samaan NA:** Inappropriate lactation and amenorrboea: patbological and diagnostic considerations.
Acta Endocrinol (Kbh) 72:101-14, Jan 73
ADOLESCENCE/ ADULT/ *AMENORRHEA/ AMENORRHEA, diagnosis/ AMENORRHEA, tberapy/ ARGININE, diagnostic use/ AUTOPSY/ BLOOD SUGAR/ CLOMIPHENE, pharmacodynamics/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS/ HUMAN/ HYPOTHALAMUS, patbology/ INSULIN, diagnostic use/ *LACTATION DISORDERS/ LACTATION DISORDERS, diagnosis/ LACTATION DISORDERS, therapy/ LH, blood/ METYRAPONE, pharmacodynamics/ PITUITARY NEOPLASMS, complications/ PROLACTIN, blood/ RETICULOENDOTHELIOSIS, complications/ SOMATOTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, diagnostic use

1209. **Gates RJ, Hunt MI, Smith R, et al:** Studies on implanted islets of Langerhans: normalization of blood glucose concentration, blood insulin concentration and weight gain in New Zealand obese mice.
Biochem J 130:26P-27P, Nov 72
ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ INSULIN, blood/ ISLANDS OF LANGERHANS, enzymology/ *ISLANDS OF LANGERHANS, transplantation/ MICE/ MICE, INBRED STRAINS/ *OBESITY, blood/ TRANSPLANTATION, HOMOLOGOUS

1210. **Gaudefroy M:** Les ménorragies de la puberté.
J Sci Med Lille 90:411-3, Nov 72 (Fre)
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ EMERGENCIES/ FEMALE/ GONADOTROPINS, tberapeutic use/ HUMAN/ *MENORRHAGIA/ MENORRHAGIA, diagnosis/ MENORRHAGIA, drug therapy/ MENORRHAGIA, therapy/ METHODS/ OVULATION, drug effects/ *PUBERTY

1211. **Gauguin J, Romert P, Kirkeby S:** Cytochemical demonstration of cbolinesterase in follicle cells and parafollicular (C-) cells of tbe rat thyroid gland. Distribution, volumetric number and ultrastructure.
Histochemie 34:97-106, 6 Feb 73
*CHOLINESTERASE, analysis/ GOLGI APPARATUS, enzymology/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ RATS/ *THYROID GLAND, enzymology

1212. **Gauthier-Lafaye JP, Andres M, Masson J, et al:** Le CT 1341, nouvel agent anesthésique.
Anestb Analg (Paris) 29:519-37, Jul-Aug 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, GENERAL/ BLOOD PRESSURE, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ CHILD/ DEXTROMORAMIDE, pharmacodynamics/ DRUG COMBINATIONS/ HEART RATE, drug effects/ HUMAN/ *HYDROXYDIONE, pharmacodynamics/ HYDROXYLATION/ INJECTIONS, INTRAVENOUS/ *KETONES, pharmacodynamics/ MIDDLE AGE/ MUSCLE TONUS, drug effects/ PREANESTHETIC MEDICATION/ *PREGNANES, pharmacodynamics/ RESPIRATION, drug effects

1213. **Gavaret JM, Julien MF, Jallot M, et al:** Teneur en bormones thyroïdiennes et dissociation de la thyroglobulin en sous-unités.
C R Soc Biol (Paris) 166:768-71, 1972 (Fre)
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ CHROMATOGRAPHY/ IODINE, analysis/ IODINE ISOTOPES/ IODOTYROSINE, analysis/ RATS/ SODIUM DODECYL SULFATE, pharmacodynamics/ *THYROGLOBULIN, analysis/ *THYROID HORMONES, analysis/ THYRONINE, analysis/ THYROXINE, analysis/ ULTRACENTRIFUGATION

1214. **Gavin JR 3d, Gorden P, Roth J, et al:** Characteristics of tbe buman lympbocyte insulin receptor.
J Biol Cbem 248:2202-7, 25 Mar 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ BINDING SITES/ CALCIUM, pharmacodynamics/ CATTLE/ CELLS, CULTURED/ EDTA, pharmacodynamics/ FISHES/ GLUCOSE, metabolism/ GUINEA PIGS/ HUMAN/ HYDROLASES, pharmacodynamics/ *INSULIN, metabolism/ INSULIN, pharmacodynamics/ IODINE ISOTOPES/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ MAGNESIUM,

pharmacodynamics/ PROINSULIN, pharmacodynamics/ RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE

1215. **Gawadi N:** Helical structures in the cytoplasm of the male germ cells of the desert locust.
J Cell Sci 11:887-97, Nov 72
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *GRASSHOPPERS, cytology/ MALE/ MICROSCOPY, ELECTRON/ *MICROTUBULES/ MITOCHONDRIA/ ORGANOIDS/ SPERMATOGENESIS/ *SPERMATOZOA, cytology/ TESTIS, cytology

1216. **Gaylor JL:** Microsomal enzymes of sterol biosynthesis.
Adv Lipid Res 10:89-141, 1972 (118 ref.)
CELL MEMBRANE, enzymology/ CHOLESTEROL, biosynthesis/ CYTOLOGICAL TECHNICS/ DETERGENTS, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HUMAN/ KETOSTEROIDS/ LANOSTEROL, metabolism/ METHODS/ *MICROSOMES, LIVER, enzymology/ NADH, NADPH OXIDOREDUCTASES, isolation & purification/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OXIDOREDUCTASES, isolation & purification/ *OXIDOREDUCTASES, metabolism/ REVIEW/ *STEROLS, biosynthesis

1217. **Gazzaniga AB, Byrd CL, Stewart DR, et al:** Effects of dexamethasone and chlorpromazine on skeletal muscle surface hydrogen ion concentration during cardiopulmonary bypass: experimental and clinical results. Ann Surg 176:757-60, Dec 72
ANIMAL EXPERIMENTS/ BLOOD/ BLOOD FLOW VELOCITY/ CARBON DIOXIDE, blood/ CHILD/ CHILD, PRESCHOOL/ *CHLORPROMAZINE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DOGS/ *EXTRACORPOREAL CIRCULATION/ FEMORAL ARTERY/ HEMORRHAGE/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ LACTATES, blood/ MUSCLES, blood supply/ *MUSCLES, drug effects/ PERFUSION/ REGIONAL BLOOD FLOW

1218. **Gebbe SG, Demers LM, Greep RO, et al:** The effects of hypoxia on placental glycogen metabolism.
Am J Obstet Gynecol 114:540-5, 15 Oct 72
ANALYSIS OF VARIANCE/ *ANOXIA, metabolism/ FEMALE/ GESTATIONAL AGE/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ HUMAN/ ORGAN CULTURE/ *PLACENTA, metabolism/ PREGNANCY

1219. **Gebber GL, Taylor DG, Weaver LC:** Electrophysiological studies on organization of central vasopressor pathways.
Am J Physiol 224:470-81, Feb 73
ANIMAL EXPERIMENTS/ *AUTONOMIC FIBERS, POSTGANGLIONIC, physiology/ *BLOOD PRESSURE/ *BRAIN, physiology/ BRAIN MAPPING/ *CAROTID ARTERIES, innervation/ CAROTID ARTERY, EXTERNAL, innervation/ CATS/ CEREBRAL CORTEX DECORTICATION/ COMPUTERS/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, physiology/ MESENCEPHALON, physiology/ PRESSORECEPTORS, physiology/ REFLEX/ *SPINAL CORD, physiology/ *VASOMOTOR SYSTEM, physiology

1220. **Geddes BA, Lefcoe NM:** Respiratory smooth muscle relaxing effect of commercial steroid preparations.
Am Rev Respir Dis 107:395-9, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BRONCHI, drug effects/ BUTYRATES/ *DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ GUINEA PIGS/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *PARABENS, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ TRACHEA, drug effects/ VEHICLES

1221. **Gehring D, Hoffmann G, Kempe H:** Bestimmung der Jodaminosäuren im Plasma durch Gelchromatographie.
Radiobiol Radiother (Berl) 14:53-9, 1973 (Ger)
*AMINO ACIDS, blood/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ GELS/ *IODINE, blood/ METHODS/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1222. **Geibke HP, Haupt O, Knuppen R:** A simple chemical method for the synthesis of catechol estrogens.
Steroids 21:205-18, Feb 73
CARBON ISOTOPES/ *CATECHOL, chem synthesis/ CHROMATOGRAPHY, PAPER/ ESTRADIOL/ *ESTROGENS, chem synthesis/ ESTRONE/ HYDROXYLATION/ KINETICS/ MASS SPECTRUM ANALYSIS/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ QUINONES, chem synthesis/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFONIC ACIDS/ TIME FACTORS/ TRITIUM

1223. **Geiehrter TD, Emanuel JR, Spencer CJ:** Induction of tyrosine aminotransferase by dexamethasone, insulin, and serum. Characterization of the induced enzyme. J Biol Chem 247:6197-203, 10 Oct 72
*BLOOD/ CELL LINE/ *DEXAMETHASONE, pharmacodynamics/ DRUG STABILITY/ DRUG SYNERGISM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ HEAT/ *HEPATOMA, enzymology/ IMMUNE SERUMS/ *INSULIN, pharmacodynamics/ KIDNEY, enzymology/ RATS/ SHEEP, immunology/ TYROSINE AMINOTRANSFERASE/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ ULTRACENTRIFUGATION

1224. **Geller LI, Ostrovskii AB:** Pogloshchenie shchitovidnoi zhelezy radioaktivnogo iода i antitireoidnye antitela u bol'nykh sakharnym diabetom.
Probl Endokrinol (Mosk) 18:7-11, Jul-Aug 72 (Rus)
ABSORPTION/ *AUTOANTIBODIES, analysis/ BLOOD COAGULATION/ DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, immunology/ *DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ INSULIN, therapeutic use/ *IODINE ISOTOPES, metabolism/ SULFANILAMIDE, therapeutic use/ THROMBELASTOGRAPHY/ THYROID GLAND, immunology/ *THYROID GLAND, metabolism

1225. **Genazzani AR, Ruedi B, Aubert ML, et al:** Pituitary response to hypoglycemia in pituitary diseases.
Horm Metab Res 4:470-7, Nov 72
ADENOMA, CHROMOPHOBE, blood/ ADRENAL CORTEX HORMONES, blood/ ADULT/ BLOOD SUGAR/ DRUG TOLERANCE, drug effects/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROXYCORTICOSTEROIDS, blood/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, physiopathology/ HYPOPITUITARISM, blood/ INSULIN/ INSULIN, administration & dosage/ INSULIN, diagnostic use/ IODINE ISOTOPES/ MALE/ *PITUITARY DISEASES, physiopathology/ *PITUITARY GLAND, physiopathology/ PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ STERILITY, MALE, blood/ TIME FACTORS

1226. **Genefke IK:** A simple method for the fluorimetric determination of 5-hydroxyindoleacetic acid in human urine.
Acta Pharmacol Toxicol (Kbh) 31:554-8, 1972
FLUOROMETRY/ HUMAN/ *HYDROXYINDOLEACETIC ACID, urine/ METHODS/ SEROTONIN, urine

1227. **Genes SG:** Pro poi'tsyklichnoho AMF u sekretsiï i mekhanizmi diï gormoniv.
Fiziol Zh 19:117-24, 1973 (110 ref.) **(Ukr)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ EPINEPHRINE, secretion/ GLUCAGON, secretion/ HORMONES, physiology/ *HORMONES, secretion/ HUMAN/ INSULIN, secretion/ LH, secretion/ OXYTOCIN, secretion/ PARATHYROID HORMONE, secretion/ PITUITARY HORMONE RELEASING FACTORS, secretion/ PITUITARY HORMONES, secretion/ REVIEW/ THYROCALCITONIN, secretion/ THYROID HORMONES, secretion/ THYROTROPIN, secretion/ VASOPRESSIN, secretion

1228. **Genkova P, Spasov S, Kolarov P, et al:** Gonosomenkomplement und Wachstumsstörungen bei der Gonadendysgenesie mit weiblichem Phänotypus.
Endokrinologie 60:194-204, 1972 **(Ger)**
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BONE DEVELOPMENT/ CELL LINE/ CELLS, CULTURED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS, complications/ GROWTH DISORDERS, familial & genetic/ HUMAN/ KARYOTYPING/ MOSAICISM/ PHENOTYPE/ PUBERTY/ SEX CHROMOSOMES, analysis/ STATISTICS/ *TURNER'S SYNDROME, complications

1229. **Gennser G, Lundquist I, Nilsson E:** Carbohydrate content and glycogenolytic acitivity in human placenta and fetal heart and lung.
Biol Neonate 21:148-60, 1972
*CARBOHYDRATES, analysis/ FEMALE/ *FETAL HEART, analysis/ FETAL HEART, enzymology/ *FETUS, analysis/ FETUS, enzymology/ GESTATIONAL AGE/ GLUCOSAMINIDASE, metabolism/ GLUCOSE, analysis/ GLUCOSEPHOSPHATASE, metabolism/ GLYCOGEN, analysis/ GLYCOGEN PHOSPHORYLASE, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LIVER, analysis/ LIVER, enzymology/ *LUNG, analysis/ LUNG, enzymology/ *PLACENTA, analysis/ PLACENTA, enzymology/ PREGNANCY

1230. **George WJ, Wilkerson RD, Kadowitz PJ:** Influence of acetylcholine on contractile force and cyclic nucleotide levels in the isolated perfused rat heart.
J Pharmacol Exp Ther 184:228-35, Jan 73
ACETYLCHOLINE, antagonists & inhibitors/ *ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ FEMALE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *HEART, drug effects/ HEART RATE, drug effects/ IN VITRO/ *MYOCARDIUM, analysis/ PACEMAKER, ARTIFICIAL/ RATS/ TIME FACTORS

1231. **Gerard P, Malvaux P, De Visscher M:** Accidental poisoning with thyroid extract treated by exchange transfusion. Arch Dis Child 47:981-2, Dec 72
CHILD, PRESCHOOL/ *EXCHANGE TRANSFUSION/ FEMALE/ HUMAN/ POISONING, therapy/ *THYROID HORMONES, poisoning/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1232. **Gerber GB, Deroo J, Mazanowska A:** Metabolism of 5-hydroxytryptophan in isolated perfused intestine from normal and x-irradiated rat.
Arch Int Physiol Biochim 80:733-9, Oct 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ GASTROINTESTINAL DISEASES, etiology/ GASTROINTESTINAL DISEASES, mortality/ GLUCURONATES, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ *HYDROXYTRYPTOPHAN, metabolism/ *INTESTINE, SMALL, metabolism/ INTESTINE, SMALL, radiation effects/ MALE/ PERFUSION/ *RADIATION EFFECTS/ RADIATION INJURIES, EXPERIMENTAL, complications/ RATS/ SEROTONIN, metabolism/ TIME FACTORS

1233. **Gerebtzoff MA, Devečerski V:** Recherches histoenzymologiques sur les pinéalocytes et sur les astrocytes épiphysaires.
C R Soc Biol (Paris) 166:713-5, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUTAMATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ KREBS CYCLE/ LACTATE DEHYDROGENASE, analysis/ MALE/ NAD/ NADP/ *NEUROGLIA, enzymology/ *OXIDOREDUCTASES, analysis/ PINEAL BODY, cytology/ *PINEAL BODY, enzymology/ RATS/ SUCCINATE DEHYDROGENASE, analysis

1234. **German AL, Horning EC:** Thermostable open tube capillary columns for the high resolution gas chromatography of human urinary steroids.
J Chromatogr Sci 11:76-82, Feb 73
ADRENAL CORTEX HORMONES, urine/ ADULT/ ANDROSTERONE, urine/ CAPILLARITY/ *CHROMATOGRAPHY, GAS/ CORTISONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HEAT/ HUMAN/ HYDROCORTISONE, urine/ INFANT/ INFANT, NEWBORN/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ OXIMES/ PREGNANETRIOL, urine/ *STEROIDS, urine

1235. **German DC, Holloway FA:** Behaviorally determined neurophysiological properties of MFB self-stimulation fibers.
Physiol Behav 9:823-9, Nov-Dec 72
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CONDITIONING, OPERANT/ DIENCEPHALON, physiology/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MALE/ *NEURAL CONDUCTION/ NEUROFIBRILS, physiology/ *NEURONS, physiology/ RATS/ REFRACTORY PERIOD, NEUROLOGIC/ *SELF STIMULATION/ STEREOTAXIC TECHNICS

1236. **Germanov VA, Kabanov IN:** Kompleksnoe immunomorfologicheskoe issledovanie trombotsitov v diagnostike trombotsitopatiï i vozmozhnosti kompleksnoï terapii. Lab Delo 12:750-3, 1972 **(Rus)**
*ANEMIA, immunology/ ANEMIA, therapy/ *ANTIBODY FORMATION/ ANTIGEN-ANTIBODY COMPLEX/ ANTINEOPLASTIC AGENTS, therapeutic use/ AUTOANTIBODIES/ *BLOOD PLATELETS, immunology/ BLOOD TRANSFUSION/ DIPHENHYDRAMINE, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ ISOANTIBODIES/ *LEUKEMIA, immunology/ LEUKEMIA, therapy/ *PURPURA, THROMBOPENIC, immunology/ PURPURA, THROMBOPENIC, therapy

1237. **Gerschenfeld HM:** Chemical transmission in invertebrate central nervous systems and neuromuscular junctions.
Physiol Rev 53:1-119, Jan 73 (973 ref.)
ACETYLCHOLINE, physiology/ AMINO ACIDS, physiology/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANNELIDA, physiology/ CATECHOLAMINES, physiology/ *CENTRAL NERVOUS SYSTEM, physiology/ DOPAMINE, physiology/ ELECTRIC STIMULATION/ GLUTAMATES, physiology/ INHIBITION, NEURAL/ INSECTS, physiology/ *INVERTEBRATES, physiology/ MECHANORECEPTORS, physiology/ MOLLUSCA, physiology/ NEMATODA, physiology/ *NEURAL TRANSMISSION/ *NEUROHUMORS/ *NEUROMUSCULAR JUNCTION, physiology/ RECEPTORS, DRUG/ REVIEW/ SEROTONIN, physiology/ SQUID, physiology

1238. **Gershberg H, Girgis M, Goldberg L, et al:** The acute response to calcitonin in Paget's disease: its relationship to the serum alkaline phosphatase level and the effect of phosphate treatment.
J Clin Endocrinol Metab 36:691-6, Apr 73

*ALKALINE PHOSPHATASE, blood/ *CALCIUM, blood/ DRUG SYNERGISM/ FEMALE/ HUMAN/ MALE/ *OSTEITIS DEFORMANS, blood/ OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, enzymology/ PHOSPHATES, blood/ PHOSPHATES, therapeutic use/ *THYROCALCITONIN, therapeutic use

1239. **Gershon MD, Nunez EA:** Subcellular storage organelles for 5-hydroxytryptamine in parafollicular cells of drugs which deplete the amine.
J Cell Biol 56:676-89, Mar 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ CYTOPLASMIC GRANULES, drug effects/ *CYTOPLASMIC GRANULES, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HYDROXYTRYPTOPHAN/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ TRITIUM

1240. **Gerulath AH, Loo TL:** Mechanism of action of 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide in mammalian cells in culture.
Biochem Pharmacol 21:2335-43, 1 Sep 72
AMIDES, metabolism/ AMIDES, pharmacodynamics/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ CARBON ISOTOPES/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ COLORIMETRY/ DNA, analysis/ DRUG STABILITY/ FEMALE/ HAMSTERS/ HUMAN/ IMIDAZOLES, metabolism/ *IMIDAZOLES, pharmacodynamics/ MELANOMA, drug therapy/ NUCLEIC ACIDS, analysis/ NUCLEIC ACIDS, isolation & purification/ OVARY, drug effects/ TIME FACTORS/ TRIAZENES, metabolism/ *TRIAZENES, pharmacodynamics/ TRITIUM

1241. **Geschwind II, Huseby RA, Nishioka R:** The effect of melanocyte-stimulating hormone on coat color in the mouse. Recent Prog Horm Res 28:91-130, 1972
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOPHORES/ COLOR/ DIPHENOL OXIDASES/ GENETICS/ GENOTYPE/ *HAIR, drug effects/ MELANIN/ MELATONIN, pharmacodynamics/ MICE/ MICROSCOPY, ELECTRON/ *MSH, pharmacodynamics/ MSH, physiology/ PROTEINS, biosynthesis/ REVIEW/ RNA, biosynthesis/ SKIN, drug effects/ SKIN, enzymology/ SKIN, metabolism/ TYROSINE

1242. **Gesell MS, Callard IP:** The hypothalamic-hypophysial neurosecretory system in the iguanid lizard, Dipsosaurus dorsalis: a qualitative and quantitative study. Gen Comp Endocrinol 19:397-404, Dec 72
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *LIZARDS, anatomy & histology/ *NEUROSECRETORY SYSTEMS, anatomy & histology

1243. **Geynet C, Millet C, Truong H, et al:** Estrogens and antiestrogens. Gynecol Invest 3:2-29, 1972
ANIMAL EXPERIMENTS/ *BINDING, COMPETITIVE/ BLOOD PROTEINS/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, THIN LAYER/ CYTOSOL, metabolism/ DIETHYLSTILBESTROL, metabolism/ ESTRADIOL, blood/ ESTRADIOL, metabolism/ *ESTROGENS, antagonists & inhibitors/ ESTROGENS, metabolism/ FEMALE/ MODELS, STRUCTURAL/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ *UTERUS, drug effects/ UTERUS, growth & development/ UTERUS, metabolism

1244. **Geynet P, Gallay J, Alfsen A:** Mammalian 3-oxosteroid delta 5 --delta 4 -isomerase. Solubilization by calcium ions and kinetic characteristics toward C 19 and C 21 steroids. Eur J Biochem 31:464-9, 18 Dec 72
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANDROSTENES/ ANIMAL EXPERIMENTS/ CALCIUM CHLORIDE/ CATTLE/ DIALYSIS/ HYDROGEN-ION CONCENTRATION/ *ISOMERASES, isolation & purification/ ISOMERASES, metabolism/ 17-KETOSTEROIDS/ KETOSTEROIDS/ KINETICS/ MICROSOMES, enzymology/ PREGNENES/ PROTEIN DENATURATION/ *SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET

1245. **Gharib H, Ryan RJ, Mayberry WE:** Triiodothyronine (T3) radioimmunoassay. A critical evaluation.
Mayo Clin Proc 47:934-7, Dec 72 (30 ref.)
BENZOATES/ BINDING SITES/ CROSS REACTIONS/ DIET/ DIPHENYLHYDANTOIN/ ETHYL MERCURY COMPOUNDS/ EVALUATION STUDIES/ GEOGRAPHY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ IODINE/ NORTH AMERICA/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, standards/ REVIEW/ SULFIDES/ THYRONINE/ THYROXINE/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, blood

1246. **Ghatak N, Basu N:** Sodium curcuminate as an effective anti-inflammatory agent.
Indian J Exp Biol 10:235-6, May 72
*ALKALOIDS, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, chemically induced/ CARRAGEENAN/ *CATECHOL, therapeutic use/ EDEMA, chemically induced/ FORMALDEHYDE/ HYDROCORTISONE, therapeutic use/ RATS/ SODIUM

1247. **Ghosh PC, Lockwood E, Pennington GW:** Abnormal excretion of corticosteroid sulphates in patients with breast cancer. Br Med J 1:328-30, 10 Feb 73
ADULT/ AGED/ *BREAST NEOPLASMS, urine/ *CORTICOSTERONE, urine/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ MIDDLE AGE/ NEOPLASM METASTASIS, urine/ RADIOLIGAND ASSAY/ STATISTICS/ *SULFATES, urine/ TIME FACTORS

1248. **Ghraf R, Lax ER, Hoff HG, et al:** Die 5 -Metaboliten von Testosteron: Modus, Sexualspezifität und Altersabhängigkeit ihrer Entstehung in der Rattenleber.
Hoppe Seylers Z Physiol Chem 353:1517-8, Oct 72 (Ger)
AGE FACTORS/ FEMALE/ GLUCURONATES, metabolism/ HYDROGENATION/ *LIVER, metabolism/ MALE/ RATS/ SEX FACTORS/ *TESTOSTERONE, metabolism

1249. **Gianni E:** Il trattamento correttivo della classe II, div. 1 alla luce delle più moderne acquisizioni di bio-ortopedia oro-facciale.
Mondo Odontostomatol 14:402-7, May-Jun 72 (Ita)
ANIMAL EXPERIMENTS/ CYBERNETICS/ EVOLUTION/ HUMAN/ HYPOTHYROIDISM, physiopathology/ *MALOCCLUSION, therapy/ MANDIBULAR CONDYLE, growth & development/ MAXILLOFACIAL DEVELOPMENT/ MONKEYS/ ORTHODONTIC APPLIANCES/ *ORTHODONTICS, CORRECTIVE/ OSSIFICATION, PATHOLOGIC

1250. **Giannopoulos G:** Binding of testosterone to uterine components of the immature rat.
J Biol Chem 248:1004-10, 10 Feb 73
AGING/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL FRACTIONATION/ CELL-FREE SYSTEM/ *CELL NUCLEUS, metabolism/ CYPROTERONE, pharmacodynamics/ CYTOSOL/ DIAPHRAGM, metabolism/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTROGENS, metabolism/ FEMALE/ GEL FILTRATION/ HYDROCORTISONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, HORMONE/ STANOLONE, metabolism/ STANOLONE, pharmacodynamics/ *TESTOSTERONE, metabolism/

TESTOSTERONE, pharmacodynamics/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism

1251. **Glão JM, Rico T, Costa JM, et al:** L'effet du propranolol sur la perméabilité capillaire.
C R Soc Biol (Paris) 166:757-61, 1972 (Fre)
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *CAPILLARY PERMEABILITY, drug effects/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ MALE/ METHYSERGIDE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics

1252. **Gibb W, Jeffery J:** 5 -dihydrotestosterone sulphate and cortisone reductase.
Biochim Biophys Acta 280:646-51, 8 Dec 72
AMMONIUM SULFATE/ BINDING SITES/ CHROMATOGRAPHY, THIN LAYER/ CORTISONE/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ KINETICS/ OXIDATION-REDUCTION/ SOLVENTS/ SPECTROPHOTOMETRY/ *STANOLONE/ STANOLONE, pharmacodynamics

1253. **Gibb W, Jeffery J:** A major influence of a 1 alpha, 2 alpha-methylene group on reduction of a steroid 3-oxo group by 2 nicotinamide-adenine dinucleotide-linked 3-hydroxy steroid oxidoreductases.
Biochem J 130:37P-38P, Nov 72
CHROMATOGRAPHY, THIN LAYER/ CORTISONE/ *HYDROXYSTEROID DEHYDROGENASE/ *NAD/ OXIDATION-REDUCTION

1254. **Gibb W, Jeffery J:** Influence of a 17 beta-sulphate group on reduction of a steroid 3-oxo group by cortisone reductase. Biochem J 130:37P, Nov 72
CHROMATOGRAPHY, THIN LAYER/ CORTISONE/ *HYDROXYSTEROID DEHYDROGENASE/ NAD/ OXIDATION-REDUCTION/ *SULFATES

1255. **Gibbs J, Sechzer JA, Smith GP:** Behavioral responsiveness of adrenalectomized, hypophysectomized, and intact rats to electric shock.
J Comp Physiol Psychol 82:165-9, Jan 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ CORTICOSTERONE, blood/ DIFFERENTIAL THRESHOLD/ *ELECTROSHOCK/ ESCAPE REACTION/ HYPOPHYSECTOMY/ MALE/ *MOTOR ACTIVITY/ *PITUITARY GLAND, physiology/ PSYCHOPHYSIOLOGY/ RATS/ VOCALIZATION, ANIMAL

1256. **Gibori G, Kraicer PF:** The isolation of corpora lutea as autografts in the rat. J Reprod Fertil 31:505-6, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ *CORPUS LUTEUM, transplantation/ FEMALE/ PREGNANCY/ PROGESTERONE/ RATS/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ UTERUS, physiology

1257. **Gibson JB, Thoday JM:** Effects of disruptive selection. X. Selective migration.
Heredity (Lond) 30:27-32, Feb 73
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES/ HYBRIDIZATION/ MALE/ POLYMORPHISM (GENETICS)/ *SELECTION (GENETICS)/ SEX CHROMOSOMES

1258. **Gibson JY:** Radiologic seminar. CXXIV. Gonadal dysgenesis. J Miss State Med Assoc 14:50-1, Feb 73
AORTIC COARCTATION, radiography/ BONE AND BONES, radiography/ HUMAN/ KIDNEY, abnormalities/ THORAX, abnormalities/ TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, etiology/ *TURNER'S SYNDROME, radiography

1259. **Giebink GS, Gotlin RW, Biglieri EG, et al:** A kindred with familial glucocorticoid suppressible aldosteronism.
J Clin Endocrinol Metab 36:715-23, Apr 73
ADULT/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ BINDING, COMPETITIVE/ CHILD/ CORTICOTROPIN, blood/ DEXAMETHASONE, therapeutic use/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDRALAZINE, therapeutic use/ HYDROCORTISONE, blood/ HYPERALDOSTERONISM, drug therapy/ *HYPERALDOSTERONISM, familial & genetic/ 17-KETOSTEROIDS, urine/ MALE/ METHYLDOPA, therapeutic use/ PREGNANETRIOL, urine/ RADIOIMMUNOASSAY/ RENIN, blood/ SPIRONOLACTONE, therapeutic use/ TETRAHYDROCORTISONE, urine

1260. **Giermańska T, Geneja M:** Zropienie torbieli jajnika wszczepionego do rogu macicy.
Pol Tyg Lek 28:133-4, 22 Jan 73 (Pol)
ADULT/ ENDOMETRIOSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN CYSTS/ OVARIAN CYSTS, diagnosis/ OVARIAN CYSTS, etiology/ OVARY, transplantation/ SUPPURATION/ TRANSPLANTATION, AUTOLOGOUS/ *UTERUS, surgery

1261. **Giesen H, Schmid F:** Beckenskelett bei Systemerkrankungen.
Fortschr Med 90:980-4, 28 Sep 72 (Ger)
ACHONDROPLASIA, physiopathology/ ARACHNODACTYLY, physiopathology/ *BONE DISEASES, physiopathology/ CLEIDOCRANIAL DYSOSTOSIS, physiopathology/ DYSCHONDROPLASIA, physiopathology/ FEMALE/ HUMAN/ HYPEROSTOSIS, CORTICAL CONGENITAL, physiopathology/ MALE/ MONGOLISM, physiopathology/ OSTEOGENESIS IMPERFECTA, physiopathology/ OSTEOPETROSIS, physiopathology/ *PELVIS, physiopathology/ RICKETS, physiopathology

1262. **Gilbert C, Galton DJ, Kaye J:** Triglyceride storage disease: a disorder of lipolysis in adipose tissue in two patients. Br Med J 1:25-7, 6 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADULT/ BIOPSY/ FASTING/ FATTY ACIDS, blood/ FEMALE/ GLYCERIN, metabolism/ HUMAN/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ LIPIDS, metabolism/ *METABOLIC DISEASES, etiology/ METABOLIC DISEASES, familial & genetic/ MIDDLE AGE/ *OBESITY, metabolism/ *TRIGLYCERIDES, metabolism

1263. **Gilboa I:** [Hypothalamic releasing hormones]
Harefuah 83:207-8, 15 Sep 72 (Heb)
HUMAN/ LH, physiology/ MSH, physiology/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ THYROTROPIN RELEASING FACTOR, physiology

1264. **Gill DG, O'Donohoe NV:** Cranial eosinophilic granuloma associated with diabetes insipidus.
Ir J Med Sci 141:31-4, Jan-Mar 72
CHILD, PRESCHOOL/ CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, drug therapy/ *EOSINOPHILIC GRANULOMA, complications/ EOSINOPHILIC GRANULOMA, drug therapy/ FEMALE/ HUMAN/ *SKULL/ VINBLASTINE, therapeutic use

1265. **Gill JR Jr, Casper AG:** Effect of renal alpha-adrenergic stimulation on proximal tubular sodium reabsorption.
Am J Physiol 223:1201-5, Nov 72
AMINOHIPPURIC ACID, diagnostic use/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ DOGS/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ INJECTIONS, INTRA-ARTERIAL/ INULIN, diagnostic use/ *KIDNEY, drug effects/

KIDNEY, physiology/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, PROXIMAL, drug effects/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, pharmacodynamics/ RENAL ARTERY/ *SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE, drug effects

1266. **Gillett PG, Kinch RA, Wolfe LS, et al:** Therapeutic abortion in the second trimester by intra-amniotic prostaglandin F2 alpha . J Reprod Med 9:216-9, Dec 72
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ CURETTAGE/ DIARRHEA, chemically induced/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ OXYTOCIN/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, blood/ VOMITING, chemically induced

1267. **Gilmore DP, Shaikh AA:** The effect of prostaglandin E2 in inducing sedation in the rat.
Prostaglandins 2:143-51, Aug 72
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ BEMEGRIDE, pharmacodynamics/ CEREBROVASCULAR CIRCULATION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ NEUROLOGIC MANIFESTATIONS/ PENTOBARBITAL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ RATS/ RESPIRATION, drug effects/ SPECIAL LIST REPRODUCTION

1268. **Ginestie JF, Lamarque JL, Lopez E, et al:** Diagnostic artériographique posé par les cortico-surrénalomes malins.
J Radiol Electrol Med Nucl 53:899-901, Dec 72 (Fre)
*ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ ANGIOGRAPHY/ *CARCINOMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HEPATOMEGALY, etiology/ HUMAN/ MALE/ MIDDLE AGE

1269. **Ginsburger-Vogel T:** Inversion des femelles d'Orchestia gammerella Pallas (crustacés amphipodes talitridae) en néo--mâles fonctionnels par greffe de glandes androgènes avant la mue de première différenciation externe du sexe.
C R Acad Sci [D] (Paris) 274:3606-9, 23 Jun 72 (Fre)
ADIPOSE TISSUE, growth & development/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *CRUSTACEA, growth & development/ FEMALE/ GENITALIA, anatomy & histology/ GENITALIA, MALE, growth & development/ *GENITALIA, MALE, transplantation/ *GONADS, transplantation/ MALE/ METHODS/ OVIDUCTS, growth & development/ *SEX CHARACTERISTICS/ SPERMATOZOA/ TRANSPLANTATION, HOMOLOGOUS

1270. **Girard-Globa A, Bourdel G:** Physiological regulation of the circadian rhythm in hepatic tyrosine transaminase: schedule of protein ingestion as a determinant factor. J Nutr 103:251-6, Feb 73
ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CASEIN, pharmacodynamics/ CIRCADIAN RHYTHM/ DARKNESS/ *DIETARY PROTEINS, administration & dosage/ DNA, metabolism/ ENZYME INDUCTION/ FEEDING BEHAVIOR/ INSULIN, blood/ INTUBATION, GASTROINTESTINAL/ LIGHT/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ PROTEINS, pharmacodynamics/ RATS/ TIME FACTORS/ TRYPTOPHAN OXYGENASE, metabolism/ TYROSINE AMINOTRANSFERASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, metabolism

1271. **Giraud F, Mattei MG, Harung M, et al:** Intérêt de la fluorescence pour l'identification des chromosomes humains.
Arch Fr Pediatr 29:457-67, May 72 (Fre)
*CHROMOSOMES/ ENGLISH ABSTRACT/ *FLUORESCENCE/ HUMAN/ *KARYOTYPING/ METHODS/ SEX CHROMOSOMES

1272. **Giraud JR, Denis F, Gargot F, et al:** La listériose. Incidence dans les interruptions spontanées de la grossesse.
Nouv Presse Med 2:215-8, 27 Jan 73 (Fre)
*ABORTION, SEPTIC, etiology/ BACTERIOLOGICAL TECHNICS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FRANCE/ HUMAN/ INFANT, NEWBORN, DISEASES/ *LISTERIA INFECTIONS/ LISTERIA INFECTIONS, diagnosis/ LISTERIA MONOCYTOGENES/ PAIN/ PLACENTA DISORDERS, etiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, INFECTIOUS/ SERODIAGNOSIS

1273. **Giroud A:** Nutritional requirements of the embryo.
World Rev Nutr Diet 18:195-262, 1973 (355 ref.)
ABNORMALITIES, etiology/ ANIMAL EXPERIMENTS/ AVITAMINOSIS, complications/ CELL DIFFERENTIATION/ DIETARY CARBOHYDRATES/ DIETARY FATS/ DIETARY PROTEINS/ ELEMENTS/ *EMBRYO, metabolism/ FEMALE/ FETAL DEATH, etiology/ FETAL DISEASES, etiology/ GROWTH DISORDERS, etiology/ HUMAN/ *NUTRITION/ NUTRITION DISORDERS/ NUTRITION DISORDERS, complications/ NUTRITIONAL REQUIREMENTS/ PLACENTA, metabolism/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY IN DIABETES/ REVIEW/ TRACE ELEMENTS/ VITAMINS

1274. **Giry J, Brudieux R, Delost P:** Teneurs surrénaliennes en aldostérone chez le cobaye nouveau-né.
J Physiol (Paris) 65:Suppl:235A, Oct 72 (Fre)
*ADRENAL GLANDS, analysis/ AGE FACTORS/ *ALDOSTERONE, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CHROMATOGRAPHY, GAS/ GUINEA PIGS/ SEX FACTORS

1275. **Gitlin D, Kumate J, Morales C, et al:** The turnover of amniotic fluid protein in the human conceptus.
Am J Obstet Gynecol 113:632-45, 1 Jul 72
*AMNIOTIC FLUID/ FEMALE/ FETAL DEATH, metabolism/ *FETUS, metabolism/ GAMMA GLOBULIN, metabolism/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, metabolism/ HALF-LIFE/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES/ LABOR/ LABOR, INDUCED/ OXYTOCIN, therapeutic use/ PREGNANCY/ *PROTEINS, metabolism/ SERUM ALBUMIN, metabolism/ SERUM ALBUMIN, RADIO-IODINATED/ SOMATOTROPIN, metabolism/ TIME FACTORS/ TRANSFERRIN, metabolism/ TRANSFERRIN, urine

1276. **Giudicelli Y, Nordmann J, Nordmann R:** Influence de certains effecteurs du métabolisme de l'AMP cyclique sur l'action de l'acétaldéhyde, de l'éthanol et de l'acétate au niveau de la lipolyse in vitro.
C R Acad Sci [D] (Paris) 274:3626-9, 26 Jun 72 (Fre)
*ACETALDEHYDE, pharmacodynamics/ *ACETATES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, antagonists & inhibitors/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ ENZYME ACTIVATION/ EPIDIDYMIS, drug effects/ FATTY ACIDS, analysis/ GLYCERIN, analysis/ GLYCERIN, biosynthesis/ IN VITRO/ *INSULIN, pharmacodynamics/ MALE/ *NICOTINIC ACID, pharmacodynamics/

OXIDATIVE PHOSPHORYLATION, drug effects/ PHOSPHATASES/ PHOSPHODIESTERASES/ RATS/ TISSUE CULTURE

1277. **Giunta C, Campatico E, Bianchero F, et al:** Biochemical data on some organs from normal or prolactin-treated Xenopus laevis (Daudin) adults reared in fresh and in salt water. Gen Comp Endocrinol 20:183-9, Feb 73
ADRENAL GLANDS, physiology/ ALKALINE PHOSPHATASE, metabolism/ *AMMONIA, urine/ ANIMAL EXPERIMENTS/ ARGINASE, metabolism/ DEPRESSION, CHEMICAL/ FRESH WATER/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MUSCLES, metabolism/ *PROLACTIN, pharmacodynamics/ SEAWATER/ SODIUM, metabolism/ *UREA, biosynthesis/ UREA, urine/ *XENOPUS, metabolism

1278. **Glanzmann C, Braun KP, Nilson K, et al:** Funktionsdiagnostik des Hypophysen-Schilddrüsensystems mit dem hypothalamischen Thyreotropin ausschüttendem Hormon (TRF) und dem Radiojod-Dreiphasenstudium.
Klin Wochenschr 51:127-31, 1 Feb 73 (Ger)
ADOLESCENCE/ ADULT/ ENDOCRINE GLANDS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ PITUITARY GLAND FUNCTION TESTS/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism

1279. **Glass RL, LeDuc RJ:** Small intestinal obstruction from peritoneal carcinomatosis.
Am J Surg 125:316-7, Mar 73
CERVIX NEOPLASMS, complications/ COLONIC NEOPLASMS, complications/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ *INTESTINAL OBSTRUCTION, etiology/ INTESTINAL OBSTRUCTION, mortality/ INTESTINAL OBSTRUCTION, surgery/ INTESTINAL OBSTRUCTION, therapy/ *INTESTINE, SMALL/ INTUBATION, GASTROINTESTINAL/ OVARIAN NEOPLASMS, complications/ PALLIATIVE TREATMENT/ *PERITONEAL NEOPLASMS, complications/ PERITONEAL NEOPLASMS, mortality/ RECTAL NEOPLASMS, complications/ RECURRENCE

1280. **Glatzel W, Grünes JU:** Klinik und Therapie des Tarsaltunnelsyndroms.
Dtsch Gesundheitsw 27:2432-6, 21 Dec 72 (Ger)
ADULT/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ TARSAL TUNNEL SYNDROME, diagnosis/ TARSAL TUNNEL SYNDROME, drug therapy/ TARSAL TUNNEL SYNDROME, surgery/ *TARSAL TUNNEL SYNDROME, therapy

1281. **Glebovich OV, Lagoĭko MI:** Iskhody ékssudativnogo plevrita v zavisimosti ot nachala lecheniia.
Voen Med Zh 11:38-40, Nov 72 (Rus)
ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ EXERCISE THERAPY/ FOLLOW-UP STUDIES/ HUMAN/ PLEURAL EFFUSION, surgery/ *PLEURAL EFFUSION, therapy/ PLEURISY, surgery/ *PLEURISY, therapy/ PREDNISOLONE, therapeutic use/ TIME FACTORS/ TUBERCULOSIS, PLEURAL, surgery/ *TUBERCULOSIS, PLEURAL, therapy

1282. **Gleeson AR, Thorburn GD:** Plasma progesterone and prostaglandin F concentrations in the cyclic sow.
J Reprod Fertil 32:343-4, Feb 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *PROGESTERONE, blood/ *PROSTAGLANDINS, blood/ *SWINE, physiology

1283. **Gleichmann E, Gleichmann H, Schwartz RS:** Immunologic induction of malignant lymphoma: genetic factors in the graft-versus-host model.
J Natl Cancer Inst 49:793-804, Sep 72
ANIMAL EXPERIMENTS/ *GRAFT VS HOST REACTION/ *HISTOCOMPATIBILITY/ HISTOCOMPATIBILITY ANTIGENS/ IMMUNOGENETICS/ LYMPH NODES, pathology/ *LYMPHOMA, immunology/ LYMPHOMA, pathology/ MICE/ NEOPLASMS, EXPERIMENTAL, immunology/ NEOPLASMS, EXPERIMENTAL, pathology/ ONCOGENIC VIRUSES/ ORGAN WEIGHT/ PEYER'S PATCHES, pathology/ SPLEEN, pathology/ *SPLEEN, transplantation/ SPLENIC NEOPLASMS, pathology/ THYMUS GLAND, pathology/ THYMUS NEOPLASMS, pathology/ TRANSPLANTATION, HOMOLOGOUS

1284. **Glenc F:** Wyniki leczenia pozapalnej niedrożności jajowodowej metodą hydrotubacji.
Pol Tyg Lek 27:1978-9, 11 Dec 72 (Pol)
ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *FALLOPIAN TUBES/ FEMALE/ HUMAN/ *HYALURONIDASE, administration & dosage/ *HYDROCORTISONE, administration & dosage/ METHODS/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, therapy/ *STREPTOMYCIN, administration & dosage/ WATER

1285. **Glenc F, Waller S:** Skręt guza przydatków podczas ciąży. Pol Tyg Lek 28:61-2, 8 Jan 73 (Pol)
ADULT/ *CYSTADENOMA, complications/ ENGLISH ABSTRACT/ FEMALE/ *HEMANGIOMA, complications/ HUMAN/ *OVARIAN NEOPLASMS, complications/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ TORSION, complications

1286. **Glick B:** Cortisone, age and antibody-mediated immunity.
Int Arch Allergy Appl Immunol 42:766-71, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIBODY FORMATION, drug effects/ BURSA OF FABRICIUS, immunology/ CHICKENS/ *CORTISONE, pharmacodynamics/ ORGAN WEIGHT/ PRECIPITIN TESTS/ PRECIPITINS/ SPLEEN, immunology

1287. **Gliński S:** Leczenie hydrokortyzonem uszkodzeń spojenia lonowego związanych z ciążą i porodem.
Pol Tyg Lek 28:59-61, 8 Jan 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use/ INJECTIONS/ *LABOR COMPLICATIONS, drug therapy/ PARITY/ *PREGNANCY COMPLICATIONS, drug therapy/ *PUBIC SYMPHYSIS

1288. **Gliński S:** Ocena wpływu łożyska obwałowanego na stan noworodka.
Ginekol Pol 44:123-5, Feb 73 (Pol)
APGAR SCORE/ BIRTH WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, etiology/ HUMAN/ *INFANT MORTALITY/ INFANT, NEWBORN/ INFANT, PREMATURE/ *PLACENTA DISORDERS/ PREGNANCY

1289. **Gluck L, Kulovich MV:** Lecithin-sphingomyelin ratios in amniotic fluid in normal and abnormal pregnancy.
Am J Obstet Gynecol 115:539-46, 15 Feb 73
AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ BIRTH WEIGHT/ DENSITOMETRY/ FEMALE/ FETAL DISEASES, complications/ FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, complications/ *LECITHINS, analysis/ LUNG, embryology/ LUNG, growth & development/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY IN DIABETES/ PREGNANCY TOXEMIAS, complications/ PRENATAL DIAGNOSIS/ RESPIRATORY DISTRESS SYNDROME, diagnosis/ *SPHINGOMYELINS, analysis

1290. **Gniot-Szulżycka J:** Human placenta arylsulphatase B

purification and separation into subfractions.
Acta Biochim Pol 19:181-90, 1972
ACID-BASE EQUILIBRIUM/ CHROMATOGRAPHY, DEAE-CELLULOSE/ HUMAN/ MALE/ METHODS/ MOLECULAR WEIGHT/ PLACENTA, analysis/ *PLACENTA, enzymology/ SPECTROPHOTOMETRY/ *SULFATASES, analysis/ SULFATASES, isolation & purification

1291. **Godefroy F, Weil-Fugazza J, Strzalko S:** Etude de l'action de la 5-hydroxytryptamine sur l'électrocardiogramme du rat soumis à un régime hypersodé.
J Physiol (Paris) 65:Suppl:236A, Oct 72 (Fre)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ARRHYTHMIA, chemically induced/ CORONARY CIRCULATION/ ELECTROCARDIOGRAPHY/ *HEART, drug effects/ RATS/ *SEROTONIN, pharmacodynamics/ *SODIUM CHLORIDE, pharmacodynamics/ VAGOTOMY

1292. **Godfrey TE, King A, Rentschler R:** 1,3-Bis (2-chloroethyl)-1-nitrosourea: effects on advanced ovarian carcinoma.
Am J Obstet Gynecol 115:576-7, 15 Feb 73
ADULT/ AGED/ BLOOD PLATELETS, drug effects/ CARMUSTINE, administration & dosage/ CARMUSTINE, adverse effects/ *CARMUSTINE, therapeutic use/ *CYSTADENOCARCINOMA, drug therapy/ CYSTADENOCARCINOMA, radiotherapy/ CYSTADENOCARCINOMA, surgery/ DRUG RESISTANCE/ FEMALE/ HUMAN/ LEUKOCYTES, drug effects/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ POSTOPERATIVE CARE

1293. **Goebelsmann U:** A reliable fluorometric method for total urinary estrogens.
Clin Chim Acta 43:285-93, 12 Feb 73
CHROMATOGRAPHY/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDROLYSIS/ LH, blood/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ METHYLATION/ OXIDATION-REDUCTION/ SOLVENTS/ TRITIUM

1294. **Goebelsmann U, Freeman RK, Mestman JH, et al:** Estriol in pregnancy. II. Daily urinary estriol assays in the management of the pregnant diabetic woman.
Am J Obstet Gynecol 115:795-802, 15 Mar 73
BIRTH WEIGHT/ CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH/ HUMAN/ INFANT, NEWBORN/ METHODS/ PREGNANCY/ PREGNANCY IN DIABETES, therapy/ *PREGNANCY IN DIABETES, urine/ PRENATAL CARE/ TIME FACTORS

1295. **Goertchen R:** Strumatod in der Schwangerschaft.
Zentralbl Gynaekol 94:1660-4, 2 Dec 72 (Ger)
ADULT/ FEMALE/ *GOITER, complications/ GOITER, prevention & control/ HUMAN/ LARYNGEAL EDEMA, etiology/ LARYNGOSTENOSIS, pathology/ MATERNAL MORTALITY/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, prevention & control/ RECURRENCE/ THYROID HORMONES, therapeutic use/ TRACHEAL STENOSIS, etiology/ TRACHEAL STENOSIS, pathology

1296. **Goerz G:** Tendenzen der systemischen glucocorticoid-(GC)-Therapie.
Arch Dermatol Forsch 244:400-3, 1972 (Ger)
ADMINISTRATION, ORAL/ ADULT/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, chemically induced/ DERMATOMYOSITIS, drug therapy/ DRUG HYPERSENSITIVITY, complications/ FEMALE/ *GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ HYDANTOINS, therapeutic use/ INJECTIONS, adverse effects/ LEUKOPENIA, etiology/ LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ PEMPHIGUS, drug therapy/ PSORIASIS, drug therapy/ SARCOIDOSIS, drug therapy/ SHOCK, TOXIC, drug therapy/ SULFIDES, therapeutic use/ THROMBOPENIA, etiology

1297. **Goetz P:** Chromosomální aberace u rizikových novorozenců. Cesk Pediatr 28:12-6, Jan 73 (Cze)
AUTOSOME ABNORMALITIES/ *CHROMOSOME ABERRATIONS/ CRYING CAT SYNDROME, familial & genetic/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MONGOLISM, familial & genetic/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ SEX CHROMOSOME ABNORMALITIES, diagnosis

1298. **Gogan F, Moszkowska A, Rotsztejn W, et al:** Action de l'épiphysectomie sur l'incorporation hypothalamique et hypophysaire d'aestradiol 17 beta-chez la ratte.
C R Acad Sci [D] (Paris) 275:2391-4, 20 Nov 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MELATONIN, metabolism/ *PINEAL BODY, physiology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PUBERTY/ RATS/ TIME FACTORS/ TRITIUM

1299. **Gohlke R, Schmidt P:** Zur subakuten Wirkung geringer Konzentrationen chlorierter Athane ohne und mit zusätzlicher Athanolbelastung auf Ratten. II. Histologische, histochemische und morphometrische Untersuchungen.
Int Arch Arbeitsmed 30:299-312, 1972 (Ger)
AIR/ ALCOHOL, ETHYL/ CHLORINE/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ ETHANE/ ETHYL CHLORIDE, toxicity/ HISTOCYTOCHEMISTRY/ *HYDROCARBONS, HALOGENATED, toxicity/ IODINE ISOTOPES/ *LIVER, drug effects/ LIVER, enzymology/ MALE/ ORGAN WEIGHT/ POISONING, enzymology/ POISONING, pathology/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology

1300. **Goldberg M, Pearson FG:** Pathogenesis of tracheal stenosis following tracheostomy with a cuffed tube. An experimental study in dogs.
Thorax 27:678-91, Nov 72
ANIMAL EXPERIMENTS/ BRONCHOSCOPY/ CARTILAGE, blood supply/ DOGS/ ISCHEMIA, complications/ PREDNISONE, adverse effects/ PRESSURE/ TRACHEA, blood supply/ TRACHEA, pathology/ *TRACHEAL STENOSIS, etiology/ TRACHEAL STENOSIS, pathology/ *TRACHEOTOMY, adverse effects

1301. **Goldblatt PJ, Gillies CG, Oler A:** Ultrastructural changes in hepatic cells of the male rat induced by DL-ethionine.
Lab Invest 28:206-16, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL MEMBRANE, drug effects/ CELL NUCLEOLUS, drug effects/ CELL NUCLEUS, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ *ETHIONINE, pharmacodynamics/ FEMALE/ GOLGI APPARATUS, drug effects/ LIVER, cytology/ *LIVER, drug effects/ LYSOSOMES, drug effects/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, drug effects/ RATS/ RIBOSOMES, drug effects/ TESTIS, physiology

1302. **Goldenberg IS, Waters N, Ravdin RS, et al:** Androgenic therapy for advanced breast cancer in women. A report of the cooperative breast cancer group.
JAMA 223:1267-8, 12 Mar 73
ADMINISTRATION, ORAL/ ADULT/ AGED/ ANDROSTANES, administration & dosage/ ANDROSTANES, adverse effects/ *ANDROSTANES, therapeutic use/ *BREAST

NEOPLASMS, drug therapy/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ FEMALE/ HUMAN/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, adverse effects/ KETOSTEROIDS, therapeutic use/ LIVER, drug effects/ MIDDLE AGE/ NEOPLASM METASTASIS/ REMISSION/ TESTOLACTONE, adverse effects/ *TESTOLACTONE, therapeutic use/ TIME FACTORS

1303. Goldenberg RL, Reiter EO, Ross GT: Follicle response to exogenous gonadotropins: an estrogen-mediated phenomenon. Fertil Steril 24:121-5, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *ESTROGENS, physiology/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *GRAAFIAN FOLLICLE, growth & development/ ORGAN WEIGHT/ *OVARY, drug effects/ RATS

1304. Goldman AS: Rat fetal target organ delta-5, 3 beta-hydroxysteroid dehydrogenase: effect of cyanoketone and cyproterone acetate. Endocrinology 92:1043-50, Apr 73
*ANDROGENS, antagonists & inhibitors/ *ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CYPROTERONE, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, metabolism/ FETUS/ GENITALIA, MALE/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ *17-KETOSTEROIDS, pharmacodynamics/ MALE/ METHODS/ NITRILES, pharmacodynamics/ *PREGNADIENES, pharmacodynamics/ RATS/ *SKIN, enzymology/ SKIN, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM/ *WOLFFIAN DUCT, enzymology/ WOLFFIAN DUCT, metabolism

1305. Goldman AS, Gustafsson JA, Gustafsson SA: Female pattern of metabolism of (4 14 C)corticosterone in male pseudohermaphroditic rats. Proc Soc Exp Biol Med 142:691-6, Feb 73
ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CORTICOSTERONE, analysis/ *CORTICOSTERONE, metabolism/ CORTICOSTERONE, urine/ DIMETHYL SULFOXIDE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *PSEUDOHERMAPHRODITISM, metabolism/ RATS/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics

1306. Goldman M: Failure of dimethyl sulfoxide (DMSO) to alter thyroid function in the Sprague-Dawley rat. Toxicol Appl Pharmacol 24:73-80, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ DIMETHYL SULFOXIDE, administration & dosage/ DIMETHYL SULFOXIDE, blood/ *DIMETHYL SULFOXIDE, pharmacodynamics/ HAIR, analysis/ HYDROLYSIS/ IODINE, metabolism/ KINETICS/ MALE/ ORGAN WEIGHT/ RATS/ SERUM ALBUMIN, RADIO-IODINATED/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ TIME FACTORS

1307. Goldman M, Poppens CA: Inhibition of unilateral ovarian compensatory hypertrophy in the rat by ingestion of aspirin. Toxicol Appl Pharmacol 24:159-61, Jan 73
ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ BODY WEIGHT, drug effects/ CASTRATION/ DIET/ FEMALE/ GONADOTROPINS,

prevention & control/ ORGAN WEIGHT/ *OVARY, drug effects/ OVARY, physiology/ RATS/ UTERUS, drug effects

1308. Goldner F, Hale M, Engel E: Virilization superimposed on Turner's syndrome: cytogenetic studies of a gonadal tumor in a patient with XO-XY mixed gonadal dysgenesis. South Med J 66:129-34, Jan 73
ADULT/ HUMAN/ KARYOTYPING/ LEYDIG CELL TUMOR, complications/ *LEYDIG CELL TUMOR, familial & genetic/ MALE/ SEX CHROMOSOMES/ TESTICULAR NEOPLASMS, complications/ *TESTICULAR NEOPLASMS, familial & genetic/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, familial & genetic/ VIRILISM, etiology/ *VIRILISM, familial & genetic

1309. Goldstein AI, Lukesh RC, Ketchum M: Prenatal sex determination by fluorescent staining of the cervical smear for the presence of a Y chromosome: an evaluation. Am J Obstet Gynecol 115:866, 15 Mar 73
EVALUATION STUDIES/ FEMALE/ FLUORESCENCE/ HUMAN/ MALE/ METHODS/ PREGNANCY/ *PRENATAL DIAGNOSIS/ QUINACRINE/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ STAINS AND STAINING/ *VAGINAL SMEARS

1310. Goldstein JL, Fialkow PJ: The Alström syndrome. Report of three cases with further delineation of the clinical, pathophysiological, and genetic aspects of the disorder. Medicine (Baltimore) 52:53-71, Jan 73
ADOLESCENCE/ ADULT/ ALBUMINURIA, etiology/ BLOOD CELL COUNT/ BLOOD UREA NITROGEN/ CHILD/ COMPLEMENT/ *DEAFNESS, familial & genetic/ *DIABETES MELLITUS, familial & genetic/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ FEMALE/ FSH, blood/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ KIDNEY, physiopathology/ LH, blood/ LIPIDS, blood/ LIVER FUNCTION TESTS/ MALE/ *MENTAL DISORDERS/ *OBESITY, familial & genetic/ PEDIGREE/ PROTEINURIA, etiology/ *RETINITIS PIGMENTOSA, familial & genetic/ TESTOSTERONE, blood/ URIC ACID, blood

1311. Golinger RC: Thyroid hemiagenesis with goiter. JAMA 224:128, 2 Apr 73
FEMALE/ *GOITER, complications/ HUMAN/ MIDDLE AGE/ *THYROID GLAND, abnormalities/ THYROID GLAND, surgery

1312. Golubeva IV: Diagnostika i terapiia sindroma disgenezii testikulov. Probl Endokrinol (Mosk) 18:14-9, Jul-Aug 72 (Rus)
ENGLISH ABSTRACT/ *HERMAPHRODITISM/ HERMAPHRODITISM, diagnosis/ HERMAPHRODITISM, embryology/ HERMAPHRODITISM, radiography/ HERMAPHRODITISM, surgery/ HUMAN/ SEX DETERMINATION/ TESTIS, abnormalities

1313. Golutvina MM, Semochkina LS, Kononykina NN: Pogloshchenie strontsiia-85 gidroksilapatitami biologicheskogo proiskhozhdeniia. Biol Nauki 3:56-60, 1972 (Rus)
ABSORPTION/ ANIMAL EXPERIMENTS/ BARBITURATES/ BONE AND BONES, analysis/ BUFFERS/ CALCIUM/ HUMAN/ *HYDROXYAPATITE/ HYDROXYAPATITE, analysis/ KINETICS/ RATS/ *STRONTIUM ISOTOPES

1314. Gomel V, Carpenter CW: Induction of mid-trimester abortion with intrauterine alcohol. Obstet Gynecol 41:455-8, Mar 73
*ABORTION, INDUCED/ *ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, blood/ AMNIOCENTESIS/ BLOOD/ BLOOD COAGULATION TESTS/ CURETTAGE/ ERGONOVINE, therapeutic use/ ERYTHROCYTES, drug effects/ ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HEMOLYSIS/ HUMAN/ PREGNANCY/ TIME FACTORS/ UMBILICAL CORD

radioimmunoassay for plasma aldosterone by immunologic purification. J Clin Endocrinol Metab 36:795-8, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

1316. Gömöri P, Beregi E, Varga S: Ergebnisse der

Immunsuppressivtherapie hei chronischer Nephropathie unter besonderer Berücksichtigung bioptischer Befunde.
Z Gesamte Inn Med 27:976-80, 15 Nov 72 (Ger)
AZATHIOPRINE, therapeutic use/ BIOPSY/ CHRONIC DISEASE/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ HEMATURIA, pathology/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *KIDNEY DISEASES, drug therapy/ KIDNEY DISEASES, pathology/ MICROSCOPY, ELECTRON/ PREDNISOLONE, therapeutic use/ PROGNOSIS/ PROTEINURIA, pathology

1317. **Gona AG, Pearlman T, Gona O:** Effects of prolactin and thyroxine in hypophysectomized and thyroidectomized red efts of the newt Notophthalmus (Diemictylus) viridescens.
Gen Comp Endocrinol 20:107-11, Feb 73
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ HYPOPHYSECTOMY/ *METAMORPHOSIS, BIOLOGICAL/ *PITUITARY GLAND, physiology/ *PROLACTIN, pharmacodynamics/ *SALAMANDERS, physiology/ *THYROID GLAND, physiology/ THYROIDECTOMY/ *THYROXINE, pharmacodynamics

1318. **Goodridge AG:** Regulation of fatty acid synthesis in isolated hepatocytes prepared from the livers of neonatal chicks. J Biol Chem 248:1924-31, 25 Mar 73
ACETONE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL SURVIVAL/ CHICKENS/ *FATTY ACIDS, biosynthesis/ FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ FRUCTOSE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOSE, biosynthesis/ GLYCERIN, pharmacodynamics/ INSULIN, pharmacodynamics/ LACTATE DEHYDROGENASE, metabolism/ LACTATES, metabolism/ LACTATES, pharmacodynamics/ LIVER, cytology/ LIVER, enzymology/ LIVER, metabolism/ OXYGEN CONSUMPTION/ PHOSPHORIC ACIDS, pharmacodynamics/ PYRUVATES, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TRIOSES, pharmacodynamics

1319. **Goodwin TJ, Kind P, Bogomoletz WV:** Miliary tuberculosis, Addison's disease and a normal plasma cortisol level. Tubercle 53:251-4, Dec 72
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, pathology/ ADRENAL GLANDS, pathology/ AUTOPSY/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PIGMENTATION/ *TUBERCULOSIS, MILIARY, complications/ TUBERCULOSIS, MILIARY, diagnosis/ TUBERCULOSIS, MILIARY, pathology

1320. **Gopalakrishnan TV, Sadgopal A:** Partial purification of cortisol-binding protein from rat liver cytosol and its role in transcription.
Biochim Biophys Acta 287:164-86, 16 Nov 72
ADRENALECTOMY/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ *CARRIER PROTEINS, isolation & purification/ CARRIER PROTEINS, metabolism/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATIN, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYTOSOL, analysis/ CYTOSOL, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HYDROCORTISONE, metabolism/ HYDROGEN-ION CONCENTRATION/ *LIVER, cytology/ MALE/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ RNA, biosynthesis/ *TRANSCRIPTION, GENETIC/ TRITIUM

1321. **Gördes W, Walcher K:** Nachweismethoden des Knochenan- und -umbaues.
Arch Orthop Unfallchir 74:237-46, 1972 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, growth & development/ BONE AND BONES, radiography/ BONE CYST, surgery/ *BONE RESORPTION/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *OSSIFICATION, PHYSIOLOGIC/ OSTEOGENESIS/ RABBITS/ RADIOISOTOPE SCANNING/ TETRACYCLINE, diagnostic use

1322. **Gordon AE, Frigerio A:** Mass fragmentography as an application of gas-liquid chromatography-mass spectrometry in biological research.
J Chromatogr 73:401-17, 22 Nov 72 (48 ref.)
BIOGENIC AMINES, analysis/ BRAIN CHEMISTRY/ *CHROMATOGRAPHY, GAS/ DRUG INTERACTIONS/ DRUG STABILITY/ HALLUCINOGENS, metabolism/ KINETICS/ MASS SPECTRUM ANALYSIS/ METHODS/ PESTICIDES, analysis/ RESEARCH/ REVIEW/ *SPECTRUM ANALYSIS/ STEROIDS, analysis/ TISSUE EXTRACTS, analysis/ TOXICOLOGY

1323. **Gordon HL, Rossen RD, Hersh EM, et al:** Immunologic aspects of interstitial cystitis.
J Urol 109:228-33, Feb 73
AUTOANTIGENS/ AZATHIOPRINE, therapeutic use/ BIOPSY/ BLADDER, immunology/ BLADDER DISEASES, immunology/ COOMBS' TEST/ CYSTITIS, drug therapy/ *CYSTITIS, immunology/ CYSTITIS, pathology/ CYSTITIS, surgery/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ EPITHELIUM, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOSUPPRESSION/ LATEX FIXATION TESTS/ LYMPHOCYTE TRANSFORMATION/ MIDDLE AGE/ MUSCLES, immunology/ PREDNISONE, therapeutic use/ SKIN, immunology/ SKIN TESTS

1324. **Gore BZ, Caldwell BV, Speroff L:** Estrogen-induced human luteolysis.
J Clin Endocrinol Metab 36:615-7, Mar 73
ADULT/ *CORPUS LUTEUM, drug effects/ *DIETHYLSTILBESTROL, pharmacodynamics/ FEMALE/ HUMAN/ PROGESTERONE, blood

1325. **Górecki R, Zajgner J, Wawrzeńczyk B:** Mechanisms of lymphorrhage into the serous cavities with description of a case. Pol Med J 11:1242-51, 1972
ADULT/ ANTIBIOTICS, therapeutic use/ CHYLOPERITONEUM, etiology/ CHYLOTHORAX, etiology/ CYCLOPHOSPHAMIDE, therapeutic use/ DEXAMETHASONE, therapeutic use/ DRAINAGE/ FEMALE/ HUMAN/ LYMPH, cytology/ LYMPHATIC DISEASES, complications/ LYMPHATIC DISEASES, drug therapy/ *LYMPHATIC DISEASES, etiology/ LYMPHATIC DISEASES, radiography/ LYMPHATIC DISEASES, surgery/ LYMPHATIC METASTASIS/ *LYMPHATIC SYSTEM, anatomy & histology/ LYMPHATIC SYSTEM, physiology/ MECHLORETHAMINE, therapeutic use/ MEDIASTINAL NEOPLASMS, complications/ PERITONEAL CAVITY/ PLEURA/ SARCOMA, RETICULUM CELL, complications/ WOUNDS AND INJURIES, complications

1326. **Goren EN, Rosen OM:** Purification and properties of a cyclic nucleotide phosphodiesterase from bovine heart. Arch Biochem Biophys 153:384-97, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CALCIUM PHOSPHATES/ CATIONS, DIVALENT/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ GEL FILTRATION/ GELS/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MOLECULAR WEIGHT/ *MYOCARDIUM, enzymology/ NUCLEOTIDES/ PAPAVERINE/ *PHOSPHODIESTERASES/

PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHONIC ACIDS/ PRECIPITATION/ ULTRACENTRIFUGATION/ XANTHINES

1327. **Goridis C, Meek JL, Neff NH:** Monoamine oxidase activity of rat spinal cord after transection.
Life Sci [I] 11:861-6, 15 Sep 72
ALKYNES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHORDOTOMY/ DEPRESSION, CHEMICAL/ MALE/ *MONOAMINE OXIDASE, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PHENOLS, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *SPINAL CORD, enzymology/ SPINAL CORD, physiology/ TYRAMINE, metabolism

1328. **Goridis C, Neff NH:** Le turnover de la monoamine oxydase de la glande salivaire innervée et dénervée.
J Physiol (Paris) 65:Suppl:237A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *DENERVATION/ DRUG SYNERGISM/ *MONOAMINE OXIDASE, biosynthesis/ PARGYLINE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SALIVARY GLANDS, drug effects/ *SALIVARY GLANDS, enzymology/ SALIVARY GLANDS, innervation/ THYROID HORMONES, pharmacodynamics

1329. **Gorins A, Thévenet M, Netter A:** Une observation de gynécomastie transitoire avec hyperoestrogénie d'origine testiculaire non tumorale.
Ann Endocrinol (Paris) 33:287-9, May-Jun 72 (Fre)
ADULT/ CASE REPORT/ CORTICOTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ *ESTROGENS, urine/ GONADOTROPINS, CHORIONIC, diagnostic use/ *GYNECOMASTIA, urine/ HUMAN/ MALE/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ STEROIDS, metabolism/ TESTICULAR FEMINIZATION, urine

1330. **Gorlin RJ, Mirkin BL:** Multiple mucosal neuromas, pheochromocytoma, medullary carcinoma of the thyroid and marfanoid body build with muscle wasting. Syndrome of hyperplasia and neoplasia of neural crest derivatives--an unitarian concept.
Z Kinderheilkd 113:313-25, 1972
ADOLESCENCE/ ARACHNODACTYLY, complications/ CARCINOMA, pathology/ FEMALE/ HUMAN/ HYPERPLASIA/ *LIP NEOPLASMS, complications/ LIP NEOPLASMS, pathology/ MALE/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY/ *NEUROMA, complications/ NEUROMA, pathology/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, pathology/ SYNDROME/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ *TONGUE NEOPLASMS, complications/ TONGUE NEOPLASMS, pathology

1331. **Görlitz BD, Frey HH:** Central monoamines and antinociceptive drug action.
Eur J Pharmacol 20:171-80, Nov 72
*AMINOPYRINE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ BRAIN STEM, drug effects/ *CATECHOLAMINES, metabolism/ CHLORINE, pharmacodynamics/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ CYPROHEPTADINE, pharmacodynamics/ *DEXTRO AMPHETAMINE, antagonists & inhibitors/ DISULFIRAM, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ HALOPERIDOL, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ *MORPHINE, antagonists & inhibitors/ PHENTOLAMINE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ TIME FACTORS

1332. **Gospodarowicz D:** A comparative study of the lipolytic activity of thyroid-stimulating hormone and luteinizing hormone. J Biol Chem 248:1314-7, 25 Feb 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPIDIDYMIS/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HYPOPHYSECTOMY/ *LH, pharmacodynamics/ *LIPIDS, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ MICE/ MICE, INBRED BALB C/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ SPECIES SPECIFICITY/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pharmacodynamics

1333. **Góth E:** Juiesz Miklós (1904-1972.
Orv Hetil 113:2934-5, 3 Dec 72 (Hun)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUNGARY

1334. **Gough HM, Walther GL:** Thecoma in pregnancy.
Can Med Assoc J 108:595-7, 3 Mar 73
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *THECA CELL TUMOR/ THECA CELL TUMOR, occurrence/ THECA CELL TUMOR, pathology

1335. **Goulon M, Barois A, Gajdos P, et al:** Le traitement de la myasthénie par les hormones corticotropes.
Sem Hop Paris 48:3371-5, 14 Dec 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CORTICOTROPIN, adverse effects/ *CORTICOTROPIN, therapeutic use/ DELAYED-ACTION PREPARATIONS, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LONG TERM CARE/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, drug therapy/ PROGNOSIS/ RESPIRATION, ARTIFICIAL/ RESPIRATORY INSUFFICIENCY, chemically induced/ SPIRONOLACTONE, therapeutic use/ THYMECTOMY/ TRACHEOTOMY/ VITAL CAPACITY, drug effects

1336. **Goy RW, Resko JA:** Gonadal hormones and behavior of normal and pseudohermaphroditic nonhuman female primates. Recent Prog Horm Res 28:707-33, 1972
ANDROGENS/ *BEHAVIOR, ANIMAL/ ESTRADIOL/ FEMALE/ MACACA/ MALE/ MENSTRUATION/ MONKEYS/ PRIMATES/ PROGESTERONE/ PSEUDOHERMAPHRODITISM/ REVIEW/ SEX BEHAVIOR, ANIMAL/ *SEX HORMONES

1337. **Goyal HO, Dhingra LD:** Postnatal study on the histochemistry of testis in Buffalo (Bubalus bubalis). From birth to one year.
Acta Anat (Basel) 84:150-60, 1973
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *BUFFALOES, metabolism/ *CARBOHYDRATES, metabolism/ *DNA, metabolism/ GLYCOGEN, metabolism/ HISTOCYTOCHEMISTRY/ *LIPIDS, metabolism/ MALE/ MUCOPOLYSACCHARIDES, metabolism/ TESTIS, enzymology/ TESTIS, growth & development/ *TESTIS, metabolism

1338. **Goyal RK, Rattan S:** Mechanism of the lower esophageal sphincter relaxation. Action of prostaglandin E I and theophylline.
J Clin Invest 52:337-41, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ DRUG SYNERGISM/ *ESOPHAGUS, drug effects/ FEMALE/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ ISOPROTERENOL,

pharmacodynamics/ MALE/ NICOTINIC ACID, pharmacodynamics/ OPOSSUMS/ PENTAGASTRIN, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PRESSURE/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

1339. **Grabski J:** Wpływ podawania testosteronu na zawartość DNA I histonów w plemnikach królika.
Ginekol Pol 44:9-15, Jan 73 (Pol)
ANIMAL EXPERIMENTS/ *DNA, analysis/ DNA, metabolism/ ENGLISH ABSTRACT/ EPIDIDYMIS, metabolism/ *HISTONES, analysis/ HISTONES, metabolism/ MALE/ RABBITS/ SPERMATOZOA, analysis/ *SPERMATOZOA, drug effects/ SPERMATOZOA, metabolism/ *TESTOSTERONE, pharmacodynamics

1340. **Graf GC, Elliott CS Jr, Randy HA Jr:** Inhibitory effect of continuous infusion of oxytocin on lactation in cows. J Dairy Sci 56:181-3, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ DEPRESSION, CHEMICAL/ FATS, analysis/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LACTATION, drug effects/ MILK, analysis/ MILK PROTEINS, analysis/ *OXYTOCIN, administration & dosage/ OXYTOCIN, pharmacodynamics

1341. **Graham CE, Keeling M, Chapman C, et al:** Method of endoscopy in the chimpanzee: relations of ovarian anatomy, endometrial histology and sexual swelling.
Am J Phys Anthropol 38:211-5, Mar 73
ANIMAL EXPERIMENTS/ *CHIMPANZEES, physiology/ CORPUS LUTEUM, physiology/ ENDOMETRIUM, physiology/ ESTRUS/ FEMALE/ *LAPAROSCOPY/ *OVARY, physiology/ *OVULATION/ PERINEUM/ PROGESTERONE, blood/ TIME FACTORS

1342. **Grand A, Gallet J:** Typhus murin révélé par une péricardite.
Arch Mal Coeur 65:611-20, May 72 (Fre)
ACUTE DISEASE/ *AURICULAR FIBRILLATION, etiology/ CARDIAC TAMPONADE, etiology/ CASE REPORT/ CORTISONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PERICARDIAL EFFUSION, etiology/ *PERICARDITIS, etiology/ PLEURAL EFFUSION, etiology/ RICKETTSIA TYPHI, isolation & purification/ TETRACYCLINE, therapeutic use/ TUBERCULOSIS, CARDIOVASCULAR, diagnosis/ *TYPHUS, MURINE, complications/ TYPHUS, MURINE, diagnosis/ TYPHUS, MURINE, drug therapy

1343. **Grant G, Vale W, Rivier J:** Pituitary binding sites for (3 H)-labelled luteinizing hormone releasing factor (LRF).
Biochem Biophys Res Commun 50:771-8, 5 Feb 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CELLS/ ISOTOPE LABELING/ KINETICS/ *LH/ *PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ *PITUITARY HORMONE RELEASING FACTORS, metabolism/ RATS/ TRITIUM

1344. **Grant IW:** Cost of drugs. Br Med J 1:416, 17 Feb 73
*COSTS AND COST ANALYSIS/ *DRUGS/ METHYLPREDNISOLONE/ PREDNISOLONE/ PRESCRIPTIONS/ STATE MEDICINE

1345. **Grases PJ, Lesch R, Stein U, et al:** Aggravating and protecting effects of triton and corticosteroids in galactosamine-induced hepatitis.
GEN 27:77-89, Jul-Sep 72 (Ger)
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CARBOXYPEPTIDASES, metabolism/ CATHEPSIN, metabolism/ ENGLISH ABSTRACT/ *GALACTOSAMINE/ GLUCOSAMINIDASE, metabolism/ *HEPATITIS, TOXIC/ HEPATITIS, TOXIC, enzymology/ HEPATITIS, TOXIC, prevention & control/ HISTOCYTOCHEMISTRY/ *LIVER, drug effects/ LYSOSOMES, drug effects/ LYSOSOMES, enzymology/ MICROSCOPY/ *PREDNISOLONE, therapeutic use/ RATS/ *SURFACE-ACTIVE AGENTS, pharmacodynamics

1346. **Grasso A, Viliani P, Buscaino GA:** Il "Lysoneuro" nelle sindromi cefalalgiche. Valutazione di una casistica di 232 pazienti seguiti ambulatoriamente.
Acta Neurol (Napoli) 27:573-609, Nov-Dec 72 (Ita
ADULT/ AGED/ AMBULATORY CARE/ AMINO ACIDS, therapeutic use/ AMINO ALCOHOLS, therapeutic use/ *ANALGESICS AND ANTIPYRETICS, therapeutic use/ BIOLOGICAL PRODUCTS, therapeutic use/ BRADYKININ, antagonists & inhibitors/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ *ERGOLINES, therapeutic use/ EVALUATION STUDIES/ FEMALE/ *HEADACHE, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ *SEROTONIN, antagonists & inhibitors/ VASCULAR HEADACHE, drug therapy

1347. **Gray HW, Pack A, Bessent RG, et al:** Arteriovenous difference: a systematic error of early phase thyroidal clearance measurement. J Nucl Med 14:238-9, Apr 73
ARTERIES/ DIAGNOSTIC ERRORS/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES, DIAGNOSTIC, administration & dosage/ *IODINE ISOTOPES, DIAGNOSTIC, blood/ MALE/ THYROID GLAND FUNCTION TESTS/ VEINS

1348. **Greaser ML, Gergely J:** Purification and properties of the components from tropinin.
J Biol Chem 248:2125-33, 25 Mar 73
ACTOMYOSIN/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CALCIUM/ CALCIUM, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ MUSCLE PROTEINS, analysis/ *MUSCLE PROTEINS, isolation & purification/ MUSCLES, analysis/ PROTEIN BINDING/ RABBITS/ SARCOPLASMIC RETICULUM, metabolism/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFHYDRYL COMPOUNDS, analysis/ TROPOMYOSIN, analysis/ TROPOMYOSIN, isolation & purification/ ULTRACENTRIFUGATION

1349. **Greaves MW, McDonald-Gibson W:** Effect of non-steroid anti-inflammatory drugs on prostaglandin biosynthesis by skin. Br J Dermatol 88:47-50, Jan 73
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ *ASPIRIN, pharmacodynamics/ FEMALE/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ INFLAMMATION, drug therapy/ *PROSTAGLANDINS, biosynthesis/ RATS/ SKIN, drug effects/ *SKIN, metabolism

1350. **Greaves MW, McDonald-Gibson W:** Extraction of prostaglandin-like activity from whole human blood.
Life Sci [I] 11:73-81, 15 Jan 72
ADULT/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ COLON, drug effects/ FEMALE/ GERBILS/ GUINEA PIGS/ HUMAN/ ILEUM, drug effects/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SKIN, analysis/ STOMACH, drug effects/ TRITIUM/ UTERUS, drug effects

1351. **Grebennikov VA, Telegina SA, Antipov VN:** O soderzhanii serotonina v kozhe bol'nykh neĭrodermitom.
Vestn Dermatol Venerol 46:26-9, Oct 72 (Rus)
ENGLISH ABSTRACT/ HUMAN/

*NEURODERMATITIS, metabolism/ *SEROTONIN, metabolism/ *SKIN, metabolism

1352. Grecheshkin LL: Vzaimosviaz' kholinoretseptorov s gistaminom i serotoninom stizistoi oboiochki zheludka vo vremia sekretsii.
Farmakol Toksikol 35:625-8, Sep-Oct 72 (Rus)
*ACETYLCHOLINE, physiology/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, innervation/ HISTAMINE, pharmacodynamics/ *HISTAMINE, physiology/ INSULIN, pharmacodynamics/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ *RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology

1353. Green R, Goetzl U, Whybrow P, et al: X-linked transmission of manic-depressive illness.
JAMA 223:1289, 12 Mar 73
FEMALE/ GENES, DOMINANT/ HUMAN/ MALE/ *PSYCHOSES, MANIC-DEPRESSIVE, familial & genetic/ *SEX CHROMOSOMES

1354. Green R, Whalen RE, Rutley B, et al: Dominance hierarchy in squirrel monkeys (Saimiri sciureus). Role of the gonads and androgen on genital display and feeding order.
Folia Primatol (Basel) 18:185-95, 1972
*ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ *FEEDING BEHAVIOR/ FEMALE/ *GONADS/ MALE/ *MONKEYS, physiology/ SEX BEHAVIOR, ANIMAL/ *SOCIAL DOMINANCE/ TESTOSTERONE, pharmacodynamics

1355. Greenberg RS, Cohen G: Tetrahydroisoquinoline alkaloids: stimulated secretion from the adrenal medulla. J Pharmacol Exp Ther 184:119-28, Jan 73
ACETALDEHYDE, metabolism/ ACETALDEHYDE, pharmacodynamics/ ACETYLCHOLINE, pharmacodynamics/ ADRENAL MEDULLA, analysis/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, metabolism/ ADRENAL MEDULLA, physiology/ *ADRENAL MEDULLA, secretion/ ALKALOIDS, biosynthesis/ *ALKALOIDS, secretion/ ANIMAL EXPERIMENTS/ CALCIUM, physiology/ CARBACHOL, pharmacodynamics/ CATECHOLAMINES, analysis/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ QUINOLINES, analysis/ QUINOLINES, biosynthesis/ QUINOLINES, isolation & purification/ *QUINOLINES, secretion/ TETRACAINE, pharmacodynamics

1356. Greenberg S, Long JP, Burke JP, et al: Decreased contractility and norepinephrine content of guinea-pig seminal vesicles after chronic treatment with testosterone.
J Pharmacol Exp Ther 184:56-66, Jan 73
ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ CATECHOLAMINES, analysis/ CHLORIDES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, analysis/ EPINEPHRINE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ GENITALIA, MALE, analysis/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ IN VITRO/ MALE/ MICROSCOPY, ELECTRON/ *MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, pharmacodynamics/ SEMINAL VESICLES, analysis/ SEMINAL VESICLES, cytology/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, physiology/ *TESTOSTERONE, pharmacodynamics/ TYRAMINE, pharmacodynamics

1357. Greenhill JP: The nonsurgical management of vaginal relaxation. Clin Obstet Gynecol 15:1083-97, Dec 72
ESTROGENS, therapeutic use/ EXERCISE THERAPY/ FEMALE/ HUMAN/ MUSCLE CONTRACTION/ MUSCLES, anatomy & histology/ OINTMENTS/ PALPATION/ PELVIS, anatomy & histology/ PESSARIES/ PHYSICAL EXAMINATION/ TAMPONS/ URINARY INCONTINENCE, therapy/ *UTERINE PROLAPSE, therapy/ VAGINA, anatomy & histology

1358. Greenwood MR, Clarkson TW, Magos L: Transfer of metallic mercury into the foetus.
Experientia 28:1455-6, 15 Dec 72
ANIMAL EXPERIMENTS/ BODY BURDEN/ FEMALE/ *FETUS, metabolism/ MATERNAL-FETAL EXCHANGE/ MERCURY, administration & dosage/ MERCURY, blood/ *MERCURY, metabolism/ MERCURY ISOTOPES/ PLACENTA, metabolism/ PREGNANCY/ RATS

1359. Greep RO: A vista of research on the mammalian gonadotropins. Carl G. Hartman Lecture.
Biol Reprod 8:2-10, Feb 73 (53 ref.)
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ FSH/ *GONADOTROPINS/ GONADOTROPINS, physiology/ GONADOTROPINS, urine/ GONADOTROPINS, CHORIONIC/ GONADOTROPINS, EQUINE/ GUINEA PIGS/ HORSES/ HUMAN/ LH/ MALE/ *MAMMALS, physiology/ MENOTROPINS/ MICE/ MONKEYS/ PREGNANCY/ PROLACTIN/ RATS/ RECEPTORS, HORMONE/ REVIEW/ SHEEP/ SPECIES SPECIFICITY

1360. Gregoire AT, Ansbacher R: The effect of an intrauterine device on uterine weight and water content and on genital tract glycogen of cycling, ovariectomized, pseudopregnant or oestrogen-treated hamsters.
J Reprod Fertil 31:341-5, Dec 72
ANIMAL EXPERIMENTS/ *CASTRATION/ CERVIX UTERI, physiology/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GLYCOGEN, metabolism/ HAMSTERS/ *INTRAUTERINE DEVICES/ ORGAN WEIGHT/ *PSEUDOPREGNANCY/ PSEUDOPREGNANCY, drug effects/ *UTERUS/ UTERUS, anatomy & histology/ UTERUS, drug effects/ UTERUS, metabolism/ UTERUS, physiology/ VAGINA, physiology/ *WATER, metabolism

1361. Greig WR: Radionuclide evaluation of thyroid disease in children. Semin Nucl Med 3:3-25, Jan 73 (114 ref.)
ADULT/ CHILD/ CHILD, PRESCHOOL/ CRETINISM, complications/ DEAF-MUTISM, complications/ DIAGNOSIS, DIFFERENTIAL/ GOITER, diagnosis/ GOITER, ENDEMIC, complications/ HUMAN/ HYPOTHALAMUS, physiology/ INFANT/ INFANT, NEWBORN/ IODINE ISOTOPES, DIAGNOSTIC/ MENTAL RETARDATION, complications/ PROTEIN-BOUND IODINE TEST/ *RADIOISOTOPE SCANNING/ REVIEW/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, physiology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1362. Grell RF: Recombination and DNA replication in the Drosophila melanogaster oocyte.
Genetics 73:87-108, Jan 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CROSSING OVER (GENETICS)/ *DNA REPLICATION/ *DROSOPHILA MELANOGASTER/ FEMALE/ HEAT/ MEIOSIS/ *OVUM/ *RECOMBINATION, GENETIC/ SEX CHROMOSOMES/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

1363. Grepl J: Srovnání pyknodysostozy s projevy typické osteopetrózy Albers-Schönbergovy.
Cesk Radiol 27:35-42, Jan 73 (Cze)
ADULT/ AUTOSOME ABNORMALITIES/ CRANIOFACIAL DYSOSTOSIS, familial & genetic/ *CRANIOFACIAL DYSOSTOSIS, radiography/ ENGLISH ABSTRACT/ HUMAN/ MALE/ OSTEOPETROSIS, familial & genetic/ *OSTEOPETROSIS, radiography/ OSTEOSCLEROSIS, radiography

1364. Gresik EW, Quirk JG, Hamilton JB: A fine structural and histochemical study of the Leydig cell in the testis

of the teleost, Oryzias latipes (Cyprinidontiformes).
Gen Comp Endocrinol 20:86-98, Feb 73
ANIMAL EXPERIMENTS/ *CYPRINIDAE, anatomy & histology/ ENDOPLASMIC RETICULUM/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ *LEYDIG CELLS/ LEYDIG CELLS, cytology/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RIBOSOMES

I365. **Grieco MH:** Pseudomonas arthritis and osteomyelitis.
J Bone Joint Surg [Am] 54:1693-704, Dec 72
ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS, INFECTIOUS, drug therapy/ *ARTHRITIS, INFECTIOUS, etiology/ CARBENICILLIN, therapeutic use/ CROSS INFECTION/ FEMALE/ GENTAMICIN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ IRRIGATION/ LEG INJURIES, complications/ LUMBAR VERTEBRAE, radiography/ MALE/ MIDDLE AGE/ OSTEOMYELITIS, drug therapy/ *OSTEOMYELITIS, etiology/ OSTEOMYELITIS, radiography/ *PSEUDOMONAS AERUGINOSA/ *PSEUDOMONAS INFECTIONS/ PSEUDOMONAS INFECTIONS, etiology/ TOMOGRAPHY/ URINARY TRACT INFECTIONS, complications

I366. **Griffiths EC, Hooper KC:** Peptidase activity in the hypothalami of rats treated neonatally with oestrogen. Acta Endocrinol (Kbh) 72:9-17, Jan 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DEPRESSION, CHEMICAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ LH, secretion/ MALE/ OVARY, drug effects/ *PEPTIDE HYDROLASES, metabolism/ RATS/ STIMULATION, CHEMICAL/ VAGINAL SMEARS

I367. **Griffiths EC, Hooper KC:** The effects of orchidectomy and testosterone propionate injection on peptidase activity in the male rat hypothalamus.
Acta Endocrinol (Kbh) 72:1-8, Jan 73
ANIMAL EXPERIMENTS/ *CASTRATION/ DEPRESSION, CHEMICAL/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ MALE/ OXYTOCIN, metabolism/ *PEPTIDE HYDROLASES, metabolism/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics

I368. **Griffiths WA:** Diffuse hair loss and oral contraceptives.
Br J Dermatol 88:31-6, Jan 73
ADOLESCENCE/ ADULT/ *ALOPECIA, etiology/ ALOPECIA, pathology/ BIOPSY/ *CONTRACEPTIVES, ORAL/ ESTROGENS/ FEMALE/ HUMAN/ MIDDLE AGE/ PROGESTATIONAL HORMONES/ SCALP, pathology

I369. **Grimelius L, Johansson H, Lindquist B, et al:** Tertiary hyperparathyroidism occurring during a renal transplantation programme: report and discussion of three cases. J Pathol 108:23-33, Sep 72
ADENOMA, complications/ CALCIUM, blood/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, pathology/ HYPERPLASIA/ *KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ *PARATHYROID NEOPLASMS, complications/ POSTOPERATIVE COMPLICATIONS/ SILVER NITRATE/ STAINS AND STAINING/ TRANSPLANTATION, HOMOLOGOUS/ UREMIA, complications

I370. **Grimm W, Krieg L, Marks F:** Der Einfluss des Phorbolesters TPA auf die beta-adrenergische Aktivierung der epidermalen Adenylcyclase und den cAMP-Spiegel in der Mäuseepidermis.
Hoppe Seylers Z Physiol Chem 353:1519, Oct 72 (Ger)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, biosynthesis/ ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARCINOGENS, pharmacodynamics/ CROTON OIL, pharmacodynamics/ ENZYME INDUCTION/ ENZYME REPRESSION/ ESTERS, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MICE/ MITOSIS, drug effects/ SKIN, drug effects/ *SKIN, enzymology/ *TERPENES, pharmacodynamics

I371. **Grindle M:** Sterol mutants of Neurospora crassa: their isolation, growth characteristics and resistance to polyene antibiotics.
Mol Gen Genet 120:283-90, 2 Feb 73
AMPHOTERICIN B/ ANTIBIOTICS, ANTIFUNGAL/ *DRUG RESISTANCE, MICROBIAL/ ERGOSTEROL, biosynthesis/ MUTATION/ NEUROSPORA, metabolism/ NEUROSPORA CRASSA, analysis/ NEUROSPORA CRASSA, growth & development/ NEUROSPORA CRASSA, metabolism/ NYSTATIN/ STEROLS, isolation & purification/ STEROLS, metabolism

I372. **Grodin JM, Siiteri PK, MacDonald PC:** Source of estrogen production in postmenopausal women.
J Clin Endocrinol Metab 36:207-14, Feb 73
AGING/ ANDROSTANES, blood/ *ANDROSTANES, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTRONE, biosynthesis/ ESTRONE, blood/ ESTRONE, urine/ FEMALE/ HUMAN/ KETOSTEROIDS, blood/ KETOSTEROIDS, metabolism/ MENOPAUSE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ TRITIUM

I373. **Green LH te:** Hydatidiform mole.
S Afr Med J 47:376-7, 3 Mar 73
ADULT/ CHORIOCARCINOMA, etiology/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE/ HYDATIDIFORM MOLE, complications/ HYDATIDIFORM MOLE, etiology/ PREGNANCY/ RECURRENCE

I374. **Gröndahl HG, Lindhe J, Svanberg G, et al:** Dietär kalciumbrist och marginal parodontit hos hund.
Tandlakartidningen 65:124-30, 1 Feb 73 (Swe)
CALCIUM, DIETARY, pharmacodynamics/ CALCIUM METABOLISM DISORDERS, complications/ GINGIVITIS, etiology/ HYPERPARATHYROIDISM, SECONDARY/ PERIODONTITIS, etiology/ SPECIAL LIST DENTAL

I375. **Gros F, Contesse G:** Etude des mécanismes de régulation positive au niveau de la transcription.
Biochimie 54:551-8, 1972 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL DIFFERENTIATION/ COLIPHAGES/ ENZYME REPRESSION/ GENES, REGULATOR/ OPERON/ PROTEIN CONFORMATION/ RNA, MESSENGER, biosynthesis/ RNA POLYMERASE, metabolism/ *TRANSCRIPTION, GENETIC

I376. **Grosman N:** Age dependence of the effect of oestrogenic treatment on the acid mucopolysaccharide pattern in the skin of mice.
Acta Pharmacol Toxicol (Kbh) 31:550-3, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WATER, metabolism/ CONNECTIVE TISSUE, drug effects/ *ESTRADIOL, pharmacodynamics/ HYALURONIC ACID, metabolism/ MALE/ MICE/ *MUCOPOLYSACCHARIDES, metabolism/ SKIN, drug effects/ SKIN, metabolism

I377. **Gross GG:** Formation and reduction of intermediate acyladenylate by aryl-aldehyde. NADP oxidoreductase from Neurospora crassa.
Eur J Biochem 31:585-92, 18 Dec 72
ACYLATION/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ALDEHYDE OXIDOREDUCTASES, antagonists & inhibitors/ *ALDEHYDE OXIDOREDUCTASES,

metabolism/ ALDEHYDES/ BENZALDEHYDES, analysis/ BENZOATES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, DISK/ HYDROGEN-ION CONCENTRATION/ HYDROXAMIC ACID/ NADH, NADPH OXIDOREDUCTASES, metabolism/ *NEUROSPORA, enzymology/ NEUROSPORA CRASSA, enzymology/ OXIDATION-REDUCTION/ PYROPHOSPHATES/ SULFHYDRYL COMPOUNDS

1378. **Gross HA, Ruder HJ, Brown KS, et al:** A radioimmunoassay for plasma corticosterone.
Steroids 20:681-95, Dec 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, antagonists & inhibitors/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FLUOROMETRY/ METHODS/ MICE/ MICE, INBRED STRAINS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRESS/ TIME FACTORS/ TRITIUM

1379. **Grosse KP, Schwanitz G, Rott HD, et al:** E 18 -Ringchromosom, Kasuistik und Übersicht.
Klin Paediatr 184:495-500, Nov 72 (Ger)
ABNORMALITIES, MULTIPLE, etiology/ CHROMOSOME ABNORMALITIES, complications/ *CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOME ABNORMALITIES, immunology/ *CHROMOSOMES, HUMAN, 16-18/ DWARFISM, complications/ ENGLISH ABSTRACT/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ IGA, analysis/ INFANT/ KARYOTYPING/ MALE/ MENTAL RETARDATION, complications

1380. **Grossman SP:** The ventromedial hypothalamus and aggressive behaviors.
Physiol Behav 9:721-5, Nov-Dec 72
*AGGRESSION/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ COMPETITIVE BEHAVIOR, drug effects/ CONDITIONING, OPERANT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROSHOCK/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION, drug effects/ PARASYMPATHOLYTICS, pharmacodynamics/ PARASYMPATHOMIMETICS, pharmacodynamics/ PUNISHMENT/ RATS/ STEREOTAXIC TECHNICS

1381. **Grundmann R, Pichlmaier H:** LDH-release in various experimental conditions as criterion for viability of the hypothermic perfused kidney.
Res Exp Med (Berl) 159:298-305, 1973
ANIMAL EXPERIMENTS/ COLD/ DOGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KIDNEY, enzymology/ *KIDNEY, transplantation/ *LACTATE DEHYDROGENASE, metabolism/ OSMOLAR CONCENTRATION/ PERFUSION/ PLASMA/ PREDNISOLONE, pharmacodynamics/ PRESSURE/ SERUM ALBUMIN/ TEMPERATURE/ TISSUE PRESERVATION/ TRANSPLANTATION, AUTOLOGOUS

1382. **Grunnet ML, Spilsbury PR:** The central nervous system in Fabry's disease. An ultrastructural study.
Arch Neurol 28:231-4, Apr 73
ADULT/ AMYGDALOID BODY, pathology/ CELLULAR INCLUSIONS/ *CENTRAL NERVOUS SYSTEM, pathology/ CEREBELLUM, pathology/ CEREBRAL CORTEX, pathology/ GANGLIA, BASAL, pathology/ *GLYCOLIPIDS, metabolism/ HIPPOCAMPUS, pathology/ HUMAN/ HYPOTHALAMUS, pathology/ *LIPID METABOLISM, INBORN ERRORS, pathology/ MALE/ MEDULLA OBLONGATA, pathology/ MICROSCOPY, ELECTRON/ NEURONS/ PONS, pathology/ SPINAL CORD, pathology/ THALAMUS, pathology

1383. **Gruntenko EV:** Endokrinnaia funktsiia timusa.
Probl Endokrinol (Mosk) 18:110-5, Nov-Dec 72 (108 ref.) (Rus)
ADRENAL GLAND HYPOFUNCTION, physiopathology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ HORMONES, analysis/ LYMPH NODES, drug effects/ LYMPH NODES, physiology/ LYMPHOCYTES, physiology/ MAMMARY NEOPLASMS, EXPERIMENTAL, therapy/ MICE/ MITOSIS/ PITUITARY GLAND, physiology/ REVIEW/ STRESS/ THYMECTOMY/ THYMUS GLAND, cytology/ THYMUS GLAND, enzymology/ THYMUS GLAND, immunology/ *THYMUS GLAND, physiology/ THYMUS GLAND, physiopathology/ THYMUS GLAND, transplantation/ TISSUE EXTRACTS, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

1384. **Gruskin AB, DiLiberti JH, Baluarte HJ:** Calcium excretion in cystic fibrosis.
J Pediatr 82:344-5, Feb 73
ADOLESCENCE/ CALCIUM, metabolism/ *CALCIUM, urine/ CHILD/ CREATININE, urine/ CYSTIC FIBROSIS, physiopathology/ *CYSTIC FIBROSIS, urine/ FEMALE/ HUMAN/ KIDNEY CONCENTRATING ABILITY/ *KIDNEY TUBULES, physiopathology/ MALE

1385. **Gschwandtner WR:** Uber die perkutane Anwendung der Kortikosteroide und ihre Nebenwirkungen.
Wien Klin Wochenschr 85:49-54, 26 Jan 73 (Ger)
CUSHING'S SYNDROME, chemically induced/ DIMETHYL SULFOXIDE, pharmacodynamics/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, TOPICAL, adverse effects/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ PHARMACEUTIC AIDS/ PIGMENTATION DISORDERS, chemically induced/ SKIN ABSORPTION, drug effects/ TELANGIECTASIS, chemically induced

1386. **Gual C, Kastin AJ, Schally AV:** Clinical experience with hypothalamic releasing hormones. 1. Thyrotropin-releasing hormone.
Recent Prog Horm Res 28:173-200, 1972
ACROMEGALY, physiopathology/ ADULT/ AMENORRHEA, physiopathology/ CRANIOPHARYNGIOMA, physiopathology/ DWARFISM, PITUITARY, physiopathology/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOGONADISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ LACTATION DISORDERS, physiopathology/ LH/ MALE/ OVARIAN DISEASES, physiopathology/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PITUITARY NEOPLASMS, physiopathology/ REVIEW/ *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, diagnostic use/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, toxicity/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

1387. **Guder W, Wieland O:** Lactatstoffwechsel isolierter Nierentubuli und Interkonvertierung der Pyruvat-Dehydrogenase (PDH.
Hoppe Seylers Z Physiol Chem 353:1520-1, Oct 72 (Ger)
ACETATES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ FASTING/ GLUCOSE, biosynthesis/ IN VITRO/ *KETONE OXIDOREDUCTASES, metabolism/ KIDNEY TUBULES, enzymology/ *KIDNEY TUBULES, metabolism/ *LACTATES, metabolism/ OLEIC ACID, pharmacodynamics/

RATS

1388. **Guedon J, Safar M, Fournier A, et al:** Prognostic value of simultaneous renal venous renin and split function studies in unilateral renal hypertension.
Rev Eur Etud Clin Biol 17:757-64, Oct 72
ADULT/ BLOOD FLOW VELOCITY/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, etiology/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, surgery/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ PROGNOSIS/ REGIONAL BLOOD FLOW/ *RENAL VEINS/ *RENIN, blood/ RENIN, secretion

1389. **Guerra MO, Silva NO, Guimarães CS, et al:** Pinealectomy and blindness during pregnancy in the rat. Am J Obstet Gynecol 115:582-3, 15 Feb 73
ANIMAL EXPERIMENTS/ *BLINDNESS, complications/ FETAL DEATH, etiology/ *PINEAL BODY, physiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS

1390. **Guerrier Y, Uziel A:** Propositions pour un olfactomètre clinique.
Acta Otorhinolaryngol Belg 26:530-5, 1972 (Fre)
BRAIN DISEASES, physiopathology/ ENDOCRINE DISEASES, physiopathology/ FEMALE/ HUMAN/ NOSE DISEASES, physiopathology/ *ODORS/ *OLFACTORY NERVE, physiopathology/ OLFACTORY PATHWAYS, physiopathology/ *SMELL

1391. **Guibbert D, Duperray B, Pacheco H, et al:** Etude du métabolisme du méthyl-3 cholanthrène chez la souris gravide et le foetus, et dans le placenta.
Therapie 27:907-18, Sep-Oct 72 (Fre)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ENGLISH ABSTRACT/ ENZYME INDUCTION/ FEMALE/ FETUS, enzymology/ *FETUS, metabolism/ HYDROXYLATION/ MATERNAL-FETAL EXCHANGE/ METHYLCHOLANTHRENE, analysis/ *METHYLCHOLANTHRENE, metabolism/ MICE/ PLACENTA, enzymology/ *PLACENTA, metabolism/ PREGNANCY

1392. **Guichard A, Cedard L, Haffen K:** Aspect comparatif de la synthèse de stéroïdes sexuels par les gonades embryonnaires de poulet à différents stades du développement (étude en culture organotypique à partir de précurseurs radioactifs.
Gen Comp Endocrinol 20:16-28, Feb 73 (Fre)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHICK EMBRYO, metabolism/ CHOLESTEROL, biosyntbesis/ DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ *ESTROGENS, biosyntbesis/ FEMALE/ GONADS, enzymology/ *GONADS, metabolism/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ ISOENZYMES/ MALE/ OVARY, growtb & development/ OVARY, metabolism/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ SODIUM, metabolism/ TESTIS, growtb & development/ TESTIS, metabolism/ *TESTOSTERONE, biosyntbesis/ TIME FACTORS/ TRITIUM

1393. **Guidotti A, Costa E:** Involvement of adenosine 3',5'-monophosphate in the activation of tyrosine hydroxylase elicited by drugs.
Science 179:902-4, 2 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL MEDULLA, analysis/ ADRENAL MEDULLA, enzymology/ ADRENAL MEDULLA, innervation/ *ADRENAL MEDULLA, metabolism/ AMINOPHYLLINE, administration & dosage/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, administration & dosage/ CARBACHOL, pharmacodynamics/ DENERVATION/ ENZYME ACTIVATION, drug effects/ INJECTIONS, INTRAPERITONEAL/ MALE/ RATS/ RESERPINE, administration & dosage/ RESERPINE, pharmacodynamics/ TYRAMINE, administration & dosage/ TYRAMINE, pharmacodynamics/ *TYROSINE HYDROXYLASE, metabolism

1394. **Guillemin R:** Physiology and chemistry of the hypothalamic releasing factors for gonadotropins: a new approach to fertility control.
Contraception 5:1-19, Jan 72
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CONTRACEPTIVE AGENTS/ FERTILITY AGENTS/ FSH, secretion/ HUMAN/ HYPOTHALAMUS, physiology/ LH, secretion/ OVULATION, drug effects/ PEPTIDES, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PITUITARY HORMONE RELEASING FACTORS, physiology/ RABBITS/ SHEEP/ SPECIAL LIST REPRODUCTION/ SWINE

1395. **Guilleminault C:** Sommeil--hallucinations et model experimental.
Rev Neuropsychiatr Infant 20:849-55, Nov-Dec 7 (Fre
*P-CHLOROPHENYLALANINE/ DISEASE MODELS, ANIMAL/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *HALLUCINATIONS/ HUMAN/ *INSOMNIA, chemically induced/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, physiopathology/ SEROTONIN, physiology/ SEROTONIN, therapeutic use/ *SLEEP/ SLEEP, drug effects/ SLEEP, REM

1396. **Guilleminault C, Cathala JP, Castaigne P:** Effects o 5-hydroxytryptophan on sleep of a patient with brain-stem lesion.
Electroencephalogr Clin Neurophysiol 34:177-84, Fe 73
ADULT/ *BRAIN DISEASES, complications/ BRAIN DISEASES, physiopathology/ *BRAIN STEM, physiopathology/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ ELECTROOCULOGRAPHY/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospina fluid/ HYDROXYTRYPTOPHAN, administration & dosage/ *HYDROXYTRYPTOPHAN, therapeutic use/ MALE/ PHENYLACETATES, cerebrospinal fluid/ SEROTONIN, metabolism/ *SLEEP, drug effects/ *SLEEP DISORDERS, drug therapy/ SLEEP DISORDERS, etiology/ SLEEP DISORDERS, metabolism/ SLEEP DISORDERS, physiopathology/ SLEEP STAGES

1397. **Guisinier-Gleizes P, Delorme A, Dulac H, et al** Parathyroid glands and bone calcium mobilization b 25-hydroxycholecalciferol.
Rev Eur Etud Clin Biol 17:903-5, Nov 72
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ *CALCIUM, metabolism/ HYDROXYCHOLECALCIFEROL, metabolism/ *HYDROXYCHOLECALCIFEROL, pharmacodynamics/ HYPOCALCEMIA/ MALE/ *PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, physiology/ PHOSPHORUS, blood/ RATS/ VITAMIN D DEFICIENCY

1398. **Gulamhusein AP, Thawley AR:** Ovarian cycle and plasma progesterone levels in the female stoat mustela erminea. J Reprod Fertil 31:492-3, Dec 7
ANIMAL EXPERIMENTS/ *CARNIVORA, physiology/ CORPUS LUTEUM, physiology/ FEMALE/ *NIDATION/ PREGNANCY/ *PROGESTERONE, blood/ SEASONS/ TIME FACTORS

1399. **Gulenko NM, Kurs'kii MD, Sidorenko DS:** Vplyv serotoninu na vkliuchennia radioaktyvnoi mitky v hliukozu i hlikoben mozku ta m'iaziv matky kroliv pr vvedenni atsetatu-2-C14 i hliukozy-1,6-C 14.
Ukr Biokhim Zh 44:479-82, 1972 (Ukr
ACETATES, pharmacodynamics/ ANIMAL

EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ CARBON ISOTOPES/ ENGLISH ABSTRACT/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ GLYCOGEN, metabolism/ RABBITS/ *SEROTONIN, pharmacodynamics/ *UTERUS, drug effects

1400. **Guilino PM, Grantham FH, Losonczy I, et al:** Mammary tumor regression. I. Physiopathologic characteristics of hormone-dependent tissue.
J Nati Cancer Inst 49:1333-48, Nov 72
ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, physiopathology/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ BODY WATER, analysis/ CARBON/ CASTRATION/ DNA, NEOPLASM, analysis/ *ESTROGENS/ EXTRACELLULAR SPACE/ FEMALE/ LYMPHOCYTES/ MACROPHAGES/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, physiopathology/ MICROSCOPY, ELECTRON/ NEOPLASM PROTEINS, analysis/ PHAGOCYTOSIS/ RATS/ REGIONAL BLOOD FLOW/ RNA, NEOPLASM, analysis

1401. **Guilino PM, Lanzerotti RH:** Mammary tumor regression. II. Autophagy of neoplastic cells.
J Nati Cancer Inst 49:1349-56, Nov 72
ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, metabolism/ *ADENOCARCINOMA, pathology/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ *AUTOLYSIS/ BENZANTHRACENES/ BODY WATER, analysis/ CASTRATION/ ESTROGENS/ EXTRACELLULAR SPACE/ FEMALE/ HYDROLASES, metabolism/ LYSOSOMES, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ *MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASM PROTEINS, metabolism/ NEOPLASM TRANSPLANTATION/ ONCOLYSIS/ PHOSPHORUS, metabolism/ RATS/ SODIUM, metabolism/ TRANSPLANTATION, HOMOLOGOUS

1402. **Günther E:** Die immunologisch bedingte Orchitis.
Andrologie 4:157-60, 1972 (Ger)
ANIMAL EXPERIMENTS/ ANTIGENS/ *AUTOIMMUNE DISEASES/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ EPIDIDYMIS, surgery/ *ORCHITIS, immunology/ TESTIS, immunology/ VASECTOMY

1403. **Gupta C, Karavolas HJ:** Adrenal steroid biosynthesis from 4-14C-cholesterol (in vitro) during phenobarbital block of PMS-induced ovulation in immature rats.
Endocrinology 92:1200-7, Apr 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, biosynthesis/ DEHYDROEPIANDROSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, biosynthesis/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYDROXYPREGNENOLONE, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ IN VITRO/ OVULATION, drug effects/ *PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE, biosynthesis/ PROGESTERONE, biosynthesis/ RATS

1404. **Gupta D, Rager K, Pfister G, et al:** Bioconversion of the androgen precursors by pre- and post-pubertal rat testes with special reference to local irradiation and gonadotropin stimulation.
Steroids 21:17-26, Jan 73
AGE FACTORS/ *ANDROGENS, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION, drug effects/ BIOTRANSFORMATION, radiation effects/ CHROMATOGRAPHY, THIN LAYER/ CYPROTERONE, pharmacodynamics/ *GONADOTROPINS, pharmacodynamics/ MALE/ PROGESTERONE, isolation & purification/ *PUBERTY/ RADIATION EFFECTS/ RATS/ RATS, INBRED STRAINS/ STEROID HYDROXYLASES, analysis/ STEROID HYDROXYLASES, radiation effects/ TESTIS, drug effects/ TESTIS, enzymology/ *TESTIS, metabolism/ TESTIS, radiation effects/ TESTOSTERONE, metabolism

1405. **Gupta PP, Srimal RC, Dhawan BN:** Central cardiovascular effects of 6-hydroxydopamine.
Eur J Pharmacol 20:215-23, Nov 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *CARDIOVASCULAR SYSTEM, drug effects/ CATS/ CEREBRAL VENTRICLES/ ELECTRODES/ FEMALE/ HEART RATE, drug effects/ HYDROGEN-ION CONCENTRATION/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRATHECAL/ MALE/ MEDULLA OBLONGATA, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PRESSORECEPTORS, drug effects/ TYRAMINE, pharmacodynamics/ VASOMOTOR SYSTEM, drug effects

1406. **Gupta SP, Ahuja MM:** Hyperthyroidism in children and young adolescents: a clinical profile--problems in diagnosis and management.
J Assoc Physicians India 20:737-43, Oct 72
ADOLESCENCE/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, surgery/ MALE/ RECURRENCE

1407. **Guraya SS:** Interstitial gland tissue of mammalian ovary.
Acta Endocrinol [Suppl] (Kbh) 171:3-27, 1972 (108 ref.)
ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELL MEMBRANE PERMEABILITY/ CHOLESTEROL, biosynthesis/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, physiology/ CYTOPLASMIC GRANULES/ ESTROGENS, biosynthesis/ FEMALE/ GONADOTROPINS, metabolism/ GONADOTROPINS, secretion/ HUMAN/ LH, secretion/ *LIPIDS, metabolism/ LIPOPROTEINS, biosynthesis/ MAMMALS/ *OVARY, cytology/ OVARY, metabolism/ OVARY, physiology/ OVARY, secretion/ OVULATION/ PREGNANCY/ PROGESTERONE, biosynthesis/ REVIEW/ *SEX HORMONES, biosynthesis/ SEX HORMONES, secretion/ SOMATOTROPIN, secretion

1408. **Guraya SS:** Histochemical observations on the degenerating eggs and interstitial gland cells of the ovary of Branchiostoma.
Gen Comp Endocrinol 19:582-6, Dec 72
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ *CHORDATA, embryology/ ESTERS, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ OVARY, analysis/ *OVARY, cytology/ *OVUM, analysis/ TRIGLYCERIDES, analysis

1409. **Gurin VN, Bagritsevich IuI:** Vliianie blokady i vozbuzhdeniia m-kholinoreaktivnykh sistem na uroven' svobodnykh zhirnykh kislot, ketonovykh tel i sakhara v krovi krys.
Farmakol Toksikol 35:691-5, Nov-Dec 72 (Rus)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ *BENACTYZINE, pharmacodynamics/ *BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ *FATTY ACIDS, blood/ IMMOBILIZATION/ *KETONE BODIES, blood/ *PARASYMPATHOLYTICS, pharmacodynamics/ RATS/ RECEPTORS, CHOLINERGIC/ *RECEPTORS, DRUG

1410. **Gurin VN, Denisenko PP:** Vliianie blokady i vozbuzhdeniia n-kholinoreaktivnykh sistem na uroven' svobodnykh zhirnykh kislot, ketonovykh tel i sakhara v korvi krys.
Farmakol Toksikol 35:615-9, Sep-Oct 72 (Rus)
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ *FATTY ACIDS, blood/ *HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IMMOBILIZATION/ *KETONE BODIES, blood/ MALE/ NICOTINE, pharmacodynamics/ *PARASYMPATHOLYTICS, pharmacodynamics/ RATS

1411. **Gurst JE, Sheikh YM, Djerassi C:** Synthesis of corticosteroids from marine sources.
J Am Chem Soc 95:628-9, 24 Jan 73
*HYDROXYCORTICOSTEROIDS, chem synthesis/ METHODS/ PREGNADIENES, chem synthesis/ *STARFISH

1412. **Gürtler H, Grün VS, Grün E:** Untersuchungen zum Vorkommen, zur Pathogenese und zur Prophylaxe der Weidetetanie des Rindes. 3. Klinisch-chemische Untersuchungen bei Tieren mit Weidetetanie.
Monatsh Vet Med 27:891-9, 1 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ ANIMAL FEED, adverse effects/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, etiology/ CATTLE DISEASES, occurrence/ CATTLE DISEASES, prevention & control/ ENGLISH ABSTRACT/ GRASSES/ TETANY, etiology/ TETANY, occurrence/ TETANY, prevention & control/ *TETANY, veterinary

1413. **Gusel' VA, Rotieder AM:** Olokalizatsii v gippokampe m- i n-kholinoreaktivnykh struktur.
Farmakol Toksikol 35:552-5, Sep-Oct 72 (Rus)
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ *GANGLIONIC BLOCKADERS, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ MOTOR CORTEX, physiology/ *PARASYMPATHOLYTICS, pharmacodynamics/ RABBITS/ *RECEPTORS, DRUG, drug effects/ SOMATOSENSORY CORTEX, physiology

1414. **Guyda H, Robert F, Colle E, et al:** Histologic, ultrastructural and hormonal characterization of a pituitary tumor secreting both HGH and prolactin.
J Clin Endocrinol Metab 36:531-47, Mar 73
*ACROMEGALY, pathology/ *ADENOMA, EOSINOPHILIC, pathology/ CHILD, PRESCHOOL/ FEMALE/ GEL FILTRATION/ HUMAN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, analysis/ *PITUITARY NEOPLASMS, pathology/ PRECIPITATION/ *PROLACTIN, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, analysis/ STAINS AND STAINING/ TRITIUM

1415. **Guyton RA, Blanco JA, Ostheimer GW, et al:** Adrenergic control of ventricular performance in normal and cardiac-denervated dogs.
Am J Physiol 223:1021-8, Nov 72
ADRENAL MEDULLA, secretion/ ANESTHESIA, SPINAL/ ANIMAL EXPERIMENTS/ DENERVATION/ DOGS/ EPINEPHRINE, blood/ EPINEPHRINE, pharmacodynamics/ EXERTION/ HEART, drug effects/ HEART, innervation/ *HEART, physiology/ HEART FUNCTION TESTS/ HEART VENTRICLE, physiology/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ STRESS/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGOTOMY/ VAGUS NERVE, physiology

1416. **Gyang EA, Deuben RR, Buckley JP:** Interaction of prostaglandin E 1 and angiotensin II on centrally mediated pressor activities in the cat.
Proc Soc Exp Biol Med 142:532-7, Feb 73
ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ FEMORAL VEIN/ *HEART RATE, drug effects/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ VERTEBRAL ARTERY

H

1417. **Haas DC:** Treatment of polymyositis with immunosuppressive drugs.
Neurology (Minneap) 23:55-62, Jan 73
ADULT/ AGED/ ASPARTATE AMINOTRANSFERASE, blood/ AZATHIOPRINE, therapeutic use/ CHILD/ CREATINE KINASE, blood/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ *MYOSITIS, drug therapy/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use

1418. **Haas E, Goldblatt H, Lewis L, et al:** Interplay of vasodilator and vasoconstrictor substances in the femoral arterial bed: identification of the angiotensin cofactor.
Lab Invest 28:1-7, Jan 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *BLOOD PRESSURE, drug effects/ BRADYKININ, analysis/ *BRADYKININ, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ANTAGONISM/ *FEMORAL ARTERY, physiology/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ REGIONAL BLOOD FLOW, drug effects/ TECHNETIUM/ TYRAMINE, pharmacodynamics/ VASODILATOR AGENTS, analysis/ *VASODILATOR AGENTS, pharmacodynamics

1419. **Hackenthal E, Koch C, Bergemann T, et al:** Partial purification and characterization of a renin-like enzyme from rat submandibular gland.
Biochem Pharmacol 21:2779-92, 15 Oct 72
ANGIOTENSIN, analysis/ ANGIOTENSINASE, analysis/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DIALYSIS/ DIMERCAPROL, pharmacodynamics/ DITHIOTHREITOL, pharmacodynamics/ ESTERS, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ PEPTIDE HYDROLASES, analysis/ PROTEINS, analysis/ RATS/ RENIN, analysis/ *RENIN, isolation & purification/ *SUBMANDIBULAR GLAND, enzymology/ SULFHYDRYL REAGENTS, pharmacodynamics/ TIME FACTORS

1420. **Hacki H:** Metabolism of glucose in the human endometrium with special reference to fertility and contraception.
Acta Obstet Gynecol Scand 52:135-40, 1973
ADENOSINE TRIPHOSPHATE, metabolism/ ADULT/ AGE FACTORS/ BIOPSY/ *CONTRACEPTIVES, ORAL/ CYTOCHROME OXIDASE, metabolism/ ENDOMETRIUM, enzymology/ *ENDOMETRIUM, metabolism/ ENDOMETRIUM, pathology/ ENDOMETRIUM, physiology/ ENDOMETRIUM, secretion/ FEMALE/ *FERTILITY/ GLUCOSE, analysis/ *GLUCOSE, metabolism/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ NIDATION/ NORETHINDRONE, pharmacodynamics/ OXYGEN CONSUMPTION/ SUCCINATE DEHYDROGENASE, metabolism

1421. **Hadden DR, Bhatia SK, Montgomery DA:** Clinical observations on the mechanism of the antidiuretic action of chlorpropamide in vasopressin-sensitive diabetes insipidus and in normal subjects.
Hormones 3:77-96, 1972
ADOLESCENCE/ ADULT/ ALCOHOL, ETHYL, pharmacodynamics/ BLOOD SUGAR/ CHILD/ CHILD, PRESCHOOL/ CHLORPROPAMIDE, adverse effects/ *CHLORPROPAMIDE, therapeutic use/ CHLORPROPAMIDE, urine/ DIABETES INSIPIDUS, diagnosis/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, metabolism/ DRUG SYNERGISM/ GLIBENCLAMIDE, therapeutic use/ HUMAN/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, metabolism/ METFORMIN, therapeutic use/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ SODIUM, blood/ SODIUM, metabolism/ SODIUM, urine/ THIAZINES, therapeutic use/ *VASOPRESSIN, therapeutic use/ WATER, metabolism

1422. **Hadden JW, Hansen LG, Shapiro BL, et al:** Erythrocyte enigmas in cystic fibrosis.
Proc Soc Exp Biol Med 142:577-9, Feb 73
BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ *CYSTIC FIBROSIS, blood/ CYSTIC FIBROSIS, metabolism/ *ERYTHROCYTES, metabolism/ HUMAN/ *POTASSIUM, blood/ POTASSIUM, metabolism/ RADIOISOTOPES/ RUBIDIUM/ *SODIUM, blood/ SODIUM, metabolism/ STRONTIUM ISOTOPES

1423. **Hadjian AJ, Chedin M, Chambaz EM:** La fonction cortico-surrénalienne du nouveau-né normal. Exploration par une méthode de détermination de la cortisolémie sur des micro-prélèvements.
J Gynecol Obstet Biol Reprod (Paris) 1:604-5, Sep 72 (Fre)
*ADRENAL GLANDS, physiology/ HUMAN/ *HYDROCORTISONE, blood/ INFANT, NEWBORN/ MICROCHEMISTRY/ *PITUITARY-ADRENAL FUNCTION TESTS

1424. **Hadjiloff AI, Bourneva V, Motta P:** Histochemical demonstration of delta 5 -3 -OHD activity in the granulosa cells of ovarian follicles of immature and mature mice correlated with some ultrastructural observations.
Z Zellforsch Mikrosk Anat 136:215-28, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ *CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ LIPIDS/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ ORGANOIDS/ OVARY, cytology/ *OVARY, enzymology/ OVUM, cytology/ RIBOSOMES/ STEROIDS, biosynthesis

1425. **Hafez ES:** Transport of spermatozoa in the female reproductive tract.
Am J Obstet Gynecol 115:703-17, 1 Mar 73 (62 ref.)
ANIMAL EXPERIMENTS/ CELL MOVEMENT/ CERVIX UTERI, anatomy & histology/ CERVIX UTERI, cytology/ CERVIX UTERI, physiology/ COITUS/ CONTRACEPTIVE AGENTS, pharmacodynamics/ FALLOPIAN TUBES, physiology/ FEMALE/ FERTILIZATION/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ PENIS, anatomy & histology/ PHAGOCYTOSIS/ PHYSIOLOGY, COMPARATIVE/ PROSTAGLANDINS, physiology/ REVIEW/ SEMEN, physiology/

CAPACITATION/ SPERMATOZOA, drug effects/ *SPERMATOZOA, physiology/ STRESS/ UTERUS, cytology/ VAGINA, physiology

1426. **Hage E:** Amine-handling properties of APUD-cells in the bronchial epithelium of human foetuses and in the epithelium of the main bronchi of human adults.
Acta Pathol Microbiol Scand [A] 81:64-70, Jan 73
ADULT/ AGE FACTORS/ AMINES, biosynthesis/ *AMINES, metabolism/ BRONCHI, cytology/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ DOPA, diagnostic use/ DOPAMINE, diagnostic use/ *EPITHELIAL CELLS, metabolism/ *FETUS, metabolism/ FLUORESCENCE/ FORMALDEHYDE, diagnostic use/ HUMAN/ HYDROXYTRYPTOPHAN, diagnostic use/ MICROSCOPY, FLUORESCENCE/ SEROTONIN, diagnostic use/ STAINS AND STAINING

1427. **Hage E, Kjaergaard J:** Ultrastructure of basal-granulated cells in the rectum of human fetuses and children. Arch Histol Jap 35:31-6, Nov 72
BASEMENT MEMBRANE, cytology/ CHILD/ CHROMAFFIN SYSTEM, cytology/ EPITHELIUM, cytology/ FETUS/ HUMAN/ INTESTINAL MUCOSA, cytology/ MICROSCOPY, ELECTRON/ *RECTUM, cytology

1428. **Hagenfeldt K, Johannisson E, Brenner P:** Intrauterine contraception with the copper-T device. 3. Effect upon endometrial morphology.
Contraception 6:207-18, Sep 72
ADULT/ BIOPSY/ COPPER/ COPPER, pharmacodynamics/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ENDOMETRIUM, pathology/ FEMALE/ FOREIGN BODY REACTION/ HUMAN/ INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, adverse effects/ LEUKOCYTES, drug effects/ MENSTRUATION/ PROGESTERONE, blood/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

1429. **Hagenmaier H, Frank H:** A model system for studying peptide synthesis on polymeric supports by ion exchange chromatography.
J Chromatogr Sci 10:663-7, Nov 72
AMINO ACID SEQUENCE/ BUFFERS/ *CHROMATOGRAPHY, ION EXCHANGE/ ION EXCHANGE RESINS/ MODELS, CHEMICAL/ MOLECULAR WEIGHT/ *OLIGOPEPTIDES, chem synthesis/ POLYMERS, chem synthesis/ THYROCALCITONIN

1430. **Hager-Malecka B, Sychlowy A, Kuźniarz K, et al:** Congenital nephropathy and chronic diarrhoea with hypokalemic alkalosis.
Z Kinderheilkd 114:31-8, 22 Jan 73
ADRENAL GLANDS, pathology/ *ALKALOSIS, complications/ BIOPSY/ CHLORIDES, blood/ CHRONIC DISEASE/ *DIARRHEA, complications/ FEMALE/ HUMAN/ HYPERPLASIA/ HYPERTROPHY/ *HYPOKALEMIA, complications/ INFANT/ KIDNEY, abnormalities/ KIDNEY, pathology/ *KIDNEY DISEASES, congenital/ RENIN, blood

1431. **Hagins WA:** The visual process: Excitatory mechanisms in the primary receptor cells.
Annu Rev Biophys Bioeng 1:131-58, 1972 (157 ref.)
ANIMAL EXPERIMENTS/ BARNACLES/ CALCIUM, metabolism/ CELL MEMBRANE/ CELL NUCLEUS/ CRABS/ CYTOPLASM/ ELECTRIC CONDUCTIVITY/ FROGS/ MEMBRANE POTENTIALS/ MOLLUSCA/ PHOTIC STIMULATION/ *PHOTORECEPTORS, physiology/ PIGEONS/ POTASSIUM, metabolism/ RATS/ RETINAL PIGMENTS, physiology/ REVIEW/ RODS AND CONES, physiology/ RUBIDIUM, metabolism/ SODIUM, metabolism/ SQUID/ SYNAPSES/ TURTLES/ WATER-ELECTROLYTE BALANCE

1432. **Haguenauer JP, Bernard PA, Lapras C:** Choristome intra-sphénoidal de l'hypophyse.

ADULT/ *CHORISTOMA/ FEMALE/ HUMAN/ *PITUITARY GLAND, abnormalities/ *SPHENOID SINUS

1433. **Hähn N, Paschen K, Haller J:** Das Verhalten von Kupfer, Eisen, Magnesium, Calcium und Zink bei Frauen mit normalem Menstruationscyclus, unter Einnahme von Ovulationshemmern und in der Gravidität.
Arch Gynaekol 213:176-86, 1972 (Ger)

ADOLESCENCE/ ADULT/ *CALCIUM, blood/ *COPPER, blood/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *IRON, blood/ *LYNESTRENOL, pharmacodynamics/ *MAGNESIUM, blood/ MENSTRUATION/ *NORGESTREL, pharmacodynamics/ OVULATION/ PREGNANCY/ *PREGNANCY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *ZINC, blood

1434. **Hahn TJ:** Anticonvulsant therapy and vitamin D.
Ann Intern Med 78:308-9, Feb 73
*ANTICONVULSANTS, pharmacodynamics/ BONE DISEASES, chemically induced/ HUMAN/ LIVER, metabolism/ VITAMIN D, blood/ *VITAMIN D, metabolism/ VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, prevention & control

1435. **Hähnel R, Twaddle E:** Estimation of the association constant of the estrogen-receptor complex in human breast cancer.
Cancer Res 33:559-66, Mar 73
ADULT/ AGED/ BINDING SITES/ BREAST, metabolism/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, surgery/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ FEMALE/ HUMAN/ IN VITRO/ LIGANDS/ MALE/ METHODS/ MIDDLE AGE/ *RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM

1436. **Haim S, Shafrir A, Better OS, et al:** Kaposi's sarcoma in association with immunosuppressive therapy. Report of two cases.
Isr J Med Sci 8:1993-7, Dec 72
ADULT/ AGED/ AZATHIOPRINE, adverse effects/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ KIDNEY, transplantation/ MALE/ NITROGEN MUSTARD COMPOUNDS, adverse effects/ PREDNISONE, adverse effects/ *SARCOMA, KAPOSI'S, chemically induced/ SARCOMA, KAPOSI'S, pathology/ TRANSPLANTATION, HOMOLOGOUS

1437. **Haites-Kingsbury N, Masters CJ:** On the immunological inter-relationships of the vertebrate esterases.
Biochim Biophys Acta 289:331-46, 7 Dec 72
ACETIC ACIDS/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CARBOXYLIC ACIDS/ CATTLE/ CATTLE, immunology/ CHICKENS/ CHOLINESTERASE, blood/ COMPLEMENT FIXATION TESTS/ *ESTERASES, analysis/ ESTERASES, blood/ GUINEA PIGS/ HORSES, immunology/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ LIVER, enzymology/ MULTIENZYME COMPLEXES, analysis/ RATS/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECIES SPECIFICITY/ SWINE/ TESTIS, enzymology

1438. **Hajdu SI, Melamed MR:** The diagnostic value of aspiration smears.
Am J Clin Pathol 59:350-6, Mar 73
*BIOPSY, NEEDLE/ BONE AND BONES, pathology/ BREAST, pathology/ FEMALE/ pathology/ LYMPHATIC METASTASIS/ MALE/ METHODS/ NEOPLASM METASTASIS/ *NEOPLASMS, diagnosis/ NEOPLASMS, pathology/ PROSTATE, pathology/ SALIVARY GLANDS, pathology/ STAINS AND STAINING/ THYROID GLAND, pathology

1439. **Hajeri H, Winisdoerffer G, Philippe E, et al:** Dépistage de la souffrance foetale chronique au cours des gestoses. Valeur comparée du dosage de l'oestriolurie et d'une épreuve de tolérance foetale à la contraction utérine.
J Gynecol Obstet Biol Reprod (Paris) 1:593-4, Sep 72 (Fre)
CESAREAN SECTION/ *ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ FETAL HEART, physiopathology/ HEART RATE/ HUMAN/ *OXYTOCIN, diagnostic use/ PREGNANCY/ *PREGNANCY TOXEMIAS

1440. **Håkanson R, Lindstrand K, Owman C, et al:** Tryptamine or tryptophyl-peptides in endocrine cells of rabbit gastric antrum.
Biochem Pharmacol 21:1703-12, 15 Jun 72
ANIMAL EXPERIMENTS/ DOPAMINE, analysis/ *ENDOCRINE GLANDS, analysis/ ENDOCRINE GLANDS, cytology/ FLUORESCENCE SPECTROMETRY/ FORMALDEHYDE/ GASTRIC MUCOSA, analysis/ HISTAMINE, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ MELATONIN, analysis/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ *PYLORIC ANTRUM, analysis/ RATS/ SEROTONIN, analysis/ SERUM ALBUMIN/ STOMACH, analysis/ *TRYPTAMINES, analysis/ *TRYPTOPHAN, analysis/ TYRAMINE, analysis

1441. **el-Halawani ME, Waibel PE, Appel JR, et al:** Effects of temperature stress on catecholamines and corticosterone of male turkeys.
Am J Physiol 224:384-8, Feb 73
ACCLIMATIZATION/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ *COLD/ *CORTICOSTERONE, blood/ ENVIRONMENTAL EXPOSURE/ HEAT/ MALE/ METHYLTYROSINES, pharmacodynamics/ *MYOCARDIUM, metabolism/ *STRESS/ TIME FACTORS/ TURKEYS

1442. **Hale HB, Williams EW, Ellis JP Jr:** Human endocrine-metabolic responses to graded oxygen pressures.
Aerosp Med 44:33-6, Jan 73
ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, physiology/ CREATININE, urine/ *ENDOCRINE GLANDS, physiology/ EPINEPHRINE, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPERBARIC OXYGENATION/ MAGNESIUM, urine/ MALE/ *METABOLISM, drug effects/ NATRIURESIS/ NOREPINEPHRINE, urine/ *OXYGEN, pharmacodynamics/ PHOSPHORUS, urine/ POTASSIUM, urine/ SEASONS/ UREA, urine/ URIC ACID, urine

1443. **Hale MT, Vaughn WK, Engel E:** Fluorescent male sex chromatin in white blood cells.
South Med J 66:340-4, Mar 73
ADULT/ FEMALE/ *FLUORESCENCE/ GENOTYPE/ HUMAN/ KARYOTYPING/ *LEUKOCYTES, cytology/ MALE/ MICROSCOPY, FLUORESCENCE/ MITOSIS/ PHENOTYPE/ QUINACRINE/ *SEX CHROMATIN/ STAINS AND STAINING

1444. **Hall CE, Ayachi S, Hall O:** Hypertension following adrenal enucleation and its absence during desoxycorticosterone treatment in Long-Evans rats.
Endocrinology 92:1175-81, Apr 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DRINKING BEHAVIOR/ FEMALE/ HEART, drug effects/ KIDNEY, NEPHRECTOMY/ ORGAN WEIGHT/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ SPECIES SPECIFICITY/ THYMUS GLAND, drug effects/ TIME FACTORS

1445. **Hall GA, Howell JM:** Lesions produced by copper deficiency in neonate and older rats.
Br J Nutr 29:95-104, Jan 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BODY COMPOSITION/ BODY WEIGHT/ BONE AND BONES, pathology/ *COPPER/ DEFICIENCY DISEASES, complications/ *DEFICIENCY DISEASES, pathology/ DIARRHEA, etiology/ EDEMA, etiology/ EPIDIDYMIS, pathology/ FEMALE/ FETUS, analysis/ HAIR/ LIVER, pathology/ MALE/ PIGMENTATION DISORDERS, etiology/ PREGNANCY/ RATS/ SPLEEN, pathology/ TESTIS, pathology

1446. **Hall GA, Howell JM, Lewis DG:** Thymoma with

myasthenia gravis in a dog. J Pathol 108:177-80, Oct 72
ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOGS/ MALE/ MYASTHENIA GRAVIS, complications/ *MYASTHENIA GRAVIS, veterinary/ THYMOMA, complications/ THYMOMA, pathology/ *THYMOMA, veterinary/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, pathology/ *THYMUS NEOPLASMS, veterinary

1447. **Hall JH 3d, Karp HR:** Acute progressive ventral pontine disease in heroin abuse.
Neurology (Minneap) 23:6-7, Jan 73
ADULT/ *BRAIN DISEASES, chemically induced/ BRAIN DISEASES, drug therapy/ DEGLUTITION DISORDERS, chemically induced/ DEXAMETHASONE, therapeutic use/ *DIACETYLMORPHINE, adverse effects/ *DRUG ADDICTION, complications/ *DRUG HYPERSENSITIVITY/ HUMAN/ MALE/ *PONS/ QUADRIPLEGIA, chemically induced/ SPEECH DISORDERS, chemically induced/ SPINAL CORD DISEASES, chemically induced

1448. **Hall RC, Hodge RL, Irvine R, et al:** The effect of aspirin on the response to endotoxin.
Aust J Exp Biol Med Sci 50:589-601, Oct 72
ANIMAL EXPERIMENTS/ *ASPIRIN, therapeutic use/ BIOLOGICAL ASSAY/ BLOOD CELL COUNT/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, secretion/ BLOOD PRESSURE, drug effects/ CATS/ CENTRAL VENOUS PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ FEMALE/ HALF-LIFE/ MALE/ RATS/ SALICYLATES, blood/ SECRETORY RATE, drug effects/ SEROTONIN, blood/ SEROTONIN, secretion/ SHEEP/ *SHOCK, ENDOTOXIC, drug therapy/ STOMACH, drug effects

1449. **Hallenbeck GA:** What's new in surgery. Gastrointestinal and biliary tracts.
Surg Gynecol Obstet 136:194-7, Feb 73
ANIMAL EXPERIMENTS/ *BILIARY TRACT DISEASES, surgery/ BRAIN DISEASES, etiology/ CALCIUM, pharmacodynamics/ CHOLECYSTECTOMY/ CHOLELITHIASIS, etiology/ CHOLELITHIASIS, surgery/ CHOLESTEROL, metabolism/ DOGS/ DOPA, therapeutic use/ DUODENAL ULCER, metabolism/ DUODENAL ULCER, surgery/ GASTRECTOMY/ GASTRIC JUICE, secretion/ GASTRIN, secretion/ *GASTROINTESTINAL DISEASES, surgery/ HUMAN/ HYPERPARATHYROIDISM, complications/ LIVER DISEASES, complications/ LIVER DISEASES, drug therapy/ NOREPINEPHRINE, metabolism/ PANCREAS, physiology/ SECRETIN, physiology/ SEROTONIN, metabolism/ STIMULATION, CHEMICAL/ VAGOTOMY

1450. **Halsted JA:** Nutrition in the third world.
Ann Intern Med 78:296-7, Feb 73
ANEMIA, HYPOCHROMIC, occurrence/ CHILD/ DEVELOPING COUNTRIES/ GOITER, ENDEMIC, occurrence/ HUMAN/ INFANT/ *NUTRITION DISORDERS, occurrence/ NUTRITION DISORDERS, prevention & control/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, occurrence/ WORLD HEALTH ORGANIZATION/ XEROPHTHALMIA, occurrence

1451. **Halver B:** Behandling af hyperkalcaemi med mitramycin.
Ugeskr Laeger 134:2702-5, 18 Dec 72 (Dan)
ADULT/ BONE NEOPLASMS, complications/ BONE RESORPTION, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ *MITHRAMYCIN, therapeutic use

1452. **Hamadah K, Holmes H, Barker G, et al:** The effect of electro-convulsive therapy on the urinary excretion of adenosine 3':5'-cyclic monophosphate.
Biochem J 130:15P, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADULT/ DEPRESSION, therapy/ DEPRESSION, urine/ FEMALE/ HUMAN/ MIDDLE AGE/ *SHOCK THERAPY, ELECTRIC

1453. **Hamanaka Y, Uozumi T, Kadota Y, et al:** [Plasma cortisol (hydrocortisone) dynamics in extracorporeal circulation]
Jap J Thorac Surg 25:723-6, Oct 72 (Jap)
ADOLESCENCE/ ADULT/ AGED/ BLOOD PROTEINS, analysis/ CHROMATOGRAPHY/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ *EXTRACORPOREAL CIRCULATION/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ STRESS, blood/ SURGERY, OPERATIVE

1454. **Hamberger L, Heritz H, Sjögren A:** Influence of gonadotrophins and cyclic AMP on carbohydrate and protein metabolism in the immature rat ovary.
Acta Endocrinol (Kbh) 72:425-37, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGE FACTORS/ AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ *FSH, pharmacodynamics/ GLUCOSE, metabolism/ IN VITRO/ *LACTATES, biosynthesis/ LEUCINE, metabolism/ *LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ PROLINE, metabolism/ RATS/ TRITIUM

1455. **Hamilton CL:** Physiologic control of food intake.
J Am Diet Assoc 62:35-40, Jan 73
ADAPTATION, PHYSIOLOGICAL/ ADULT/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BLOOD SUGAR, physiology/ BODY TEMPERATURE/ *BODY WEIGHT/ *CENTRAL NERVOUS SYSTEM, physiology/ *DIET/ FEEDBACK/ *FEEDING BEHAVIOR/ GASTROINTESTINAL SYSTEM, physiology/ HOMEOSTASIS/ HUMAN/ HYPOTHALAMUS, physiology/ INSULIN, secretion/ LIPIDS, metabolism/ LIPIDS, physiology/ MOTIVATION/ MOUTH, physiology/ NUTRITION/ OBESITY, etiology/ RATS/ TASTE/ TEMPERATURE

1456. **Hamilton CR Jr, Quesada O:** Paget's disease of the skull and migraine headache.
Johns Hopkins Med J 132:179-85, Mar 73
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CEREBRAL ANGIOGRAPHY/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ MENINGEAL ARTERIES/ MIDDLE AGE/ *MIGRAINE, etiology/ MITHRAMYCIN, administration & dosage/ MITHRAMYCIN, therapeutic use/ OSTEITIS DEFORMANS, blood/ *OSTEITIS DEFORMANS, complications/ OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, enzymology/ OSTEITIS DEFORMANS, radiography/ OSTEITIS DEFORMANS, urine/ PHOSPHATES, blood/ SALMON/ *SKULL/ SKULL, radiography/ THYROCALCITONIN, administration & dosage/ THYROCALCITONIN, therapeutic use

1457. **Hamilton EI, Minski MJ, Cleary JJ:** Problems concerning multi-element assay in biological materials. Sci Total Environ 1:1-14, May 72
AIR POLLUTION, analysis/ ANIMAL EXPERIMENTS/ *BIOLOGICAL PRODUCTS, analysis/ BLOOD CHEMICAL ANALYSIS/ *BODY FLUIDS, analysis/ BONE AND BONES, analysis/ *ELEMENTS, analysis/ HUMAN/ KIDNEY, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ RATS/ SPECTRUM ANALYSIS/ *TRACE ELEMENTS, analysis/ WATER POLLUTION, CHEMICAL, analysis

1458. **Hamilton-Miller JM:** Sterols from polyene-resistant mutants of Candida albicans.
J Gen Microbiol 73:201-3, Nov 72
*ALKENES, pharmacodynamics/ *CANDIDA ALBICANS, analysis/ *DRUG RESISTANCE, MICROBIAL/ MUTATION/ NITROSOGUANIDINES, pharmacodynamics/ SPECTROPHOTOMETRY/ *STEROLS, analysis/ VITAMIN D, analysis

1459. **Hammerstein J:** Grundlagen der hormoanalen Kontrazeption.
Arch Dermatol Forsch 244:478-90, 1972 (Ger)
ACNE, chemically induced/ ACNE, drug therapy/ ADULT/ ALOPECIA, chemically induced/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, chemically induced/ CHLORMADINONE, adverse effects/ *CONTRACEPTION/ *CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, POSTCOITAL, administration & dosage/ CYPROTERONE, therapeutic use/ DELAYED-ACTION PREPARATIONS/ DOGS/ ESTROGENS, administration & dosage/ ETHINYL ESTRADIOL/ FEMALE/ HIRSUTISM, chemically induced/ HIRSUTISM, drug therapy/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ NORGESTREL, adverse effects/ PROGESTATIONAL HORMONES, administration & dosage/ SEBORRHEA, chemically induced/ SEBORRHEA, drug therapy

1460. **Hammond CB:** Newer concepts in the diagnosis and treatment of infertility.
J Arkansas Med Soc 69:227-31, Jan 73
ADOLESCENCE/ ADULT/ CERVIX DISEASES, complications/ ENDOCRINE DISEASES, complications/ FALLOPIAN TUBES, abnormalities/ FEMALE/ HUMAN/ MALE/ SPERMATOZOA/ *STERILITY/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ STERILITY, FEMALE, therapy/ STERILITY, MALE, diagnosis/ STERILITY, MALE, etiology/ STERILITY, MALE, therapy

1461. **Hammond CB, Borchert LG, Tyrey L, et al:** Treatment of metastatic trophoblastic disease: good and poor prognosis. Am J Obstet Gynecol 115:451-7, 15 Feb 73
BRAIN NEOPLASMS, radiotherapy/ CHLORAMBUCIL, therapeutic use/ CHORIOADENOMA, drug therapy/ CHORIOADENOMA, therapy/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, therapy/ DACTINOMYCIN, administration & dosage/ DACTINOMYCIN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, drug therapy/ HYDATIDIFORM MOLE, therapy/ HYSTERECTOMY/ LIVER NEOPLASMS, radiotherapy/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PREGNANCY/ PROGNOSIS/ REMISSION/ TIME FACTORS/ TROPHOBLASTIC TUMOR, drug therapy/ *TROPHOBLASTIC TUMOR, therapy

1462. **Hammond R, Dyess K, Castro A:** Insulin production and glucose tolerance in patients with granuloma annulare. Br J Dermatol 87:540-7, Dec 72
ADULT/ BLOOD SUGAR, analysis/ CORTISONE, diagnostic use/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ GRANULOMA, blood/ *GRANULOMA, metabolism/ HUMAN/ INSULIN, blood/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, metabolism/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL

1463. **Hamon CB, Klebanoff SJ:** A peroxidase-mediated, streptococcus mitis-dependent antimicrobial system in saliva. J Exp Med 137:438-50, 1 Feb 73
CATALASE/ HUMAN/ IODIDES/ *MOUTH, microbiology/ *PEROXIDASES/ *PEROXIDES, metabolism/ *SALIVA, enzymology/ SALIVA, microbiology/ *STREPTOCOCCUS, metabolism/ THIOCYANATES

1464. **Hampel P, Neuhäuser G:** Prognose polyneuritischer Erkrankungen im Kindesalter.
Med Monatsschr 26:515-7, Nov 72 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ *POLYNEURITIS/ POLYNEURITIS, diagnosis/ POLYNEURITIS, drug therapy/ POLYNEURITIS, therapy/ PROGNOSIS

1465. **Hampton SH:** Germ cell chimerism in male marmosets.
Am J Phys Anthropol 38:265-8, Mar 73
ANIMAL EXPERIMENTS/ *GERM CELLS/ MALE/ *MONKEYS/ SEX CHROMOSOMES/ SPERMATOZOA/ *TWINS

1466. **Hamrick ME, Zampaglione NG, Stripp B, et al:** Investigation of the effects of methyltestosterone, cortisone and spironolactone on the hepatic microsomal mixed function oxidase system in male and female rats.
Biochem Pharmacol 22:293-310, 1 Feb 73
ANIMAL EXPERIMENTS/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ CYTOCHROME P-450, analysis/ CYTOCHROME REDUCTASES, metabolism/ FEMALE/ HEXOBARBITAL, metabolism/ KINETICS/ MALE/ METHYLTESTOSTERONE, administration & dosage/ *METHYLTESTOSTERONE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ MORPHINANS, metabolism/ NADP, metabolism/ ORGAN WEIGHT/ *OXIDOREDUCTASES, metabolism/ PROTEIN BINDING/ RATS/ SEMINAL VESICLES, drug effects/ SEX FACTORS/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS/ UTERUS, drug effects

1467. **Han PW, Feng LY, Kuo PT:** Insulin sensitivity of pair-fed, hyperlipemic, hyperinsulinemic, obese-hypothalamic rats.
Am J Physiol 223:1206-9, Nov 72
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BLOOD SUGAR/ BODY WEIGHT/ CARBON DIOXIDE, biosynthesis/ DIAPHRAGM, metabolism/ DIET/ FEEDING BEHAVIOR/ GLUCOSE, metabolism/ HYPERLIPEMIA, metabolism/ *HYPOTHALAMUS, physiology/ INSULIN, blood/ *INSULIN, metabolism/ INSULIN RESISTANCE/ LIPIDS, biosynthesis/ LIPOPROTEINS, blood/ *OBESITY, metabolism/ RATS

1468. **Han T:** Studies of correlation of lymphocyte response to phytohemagglutinin with the clinical and immunologic status in chronic lymphocytic leukemia.
Cancer 31:280-5, Feb 73
CELLS, CULTURED/ CHLORAMBUCIL, therapeutic use/ DNA, biosynthesis/ FEMALE/ GAMMA GLOBULIN, analysis/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, LYMPHOCYTIC, blood/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKOCYTE COUNT/ *LYMPHOCYTE TRANSFORMATION/ MALE/ *PLANT AGGLUTININS/ PREDNISONE, therapeutic use/ REMISSION/ SKIN TESTS/ THYMIDINE, metabolism/ TRITIUM

1469. **Hancock KW, Level MJ, Coulson A:** The value of plasma testosterone estimation in the diagnosis of virilizing ovarian neoplasia.
J Obstet Gynaecol Br Commonw 79:846-8, Sep 72
ADRENAL GLANDS, physiology/ ADULT/ ALOPECIA, etiology/ ARRHENOBLASTOMA, blood/ *ARRHENOBLASTOMA, diagnosis/ ARRHENOBLASTOMA, pathology/ ARRHENOBLASTOMA, surgery/ FEMALE/ HIRSUTISM, etiology/ HUMAN/ 17-KETOSTEROIDS, urine/ LEYDIG CELL TUMOR, complications/ OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ OVARY, pathology/ *TESTOSTERONE, blood/ VAGINAL SMEARS/ *VIRILISM, etiology

1470. **Handler JS, Preston AS, Orloff J:** Effect of aldosterone on the sodium content and energy metabolism of epithelial cells of the toad urinary bladder.
J Steroid Biochem 3:137-41, Feb 72
ADENOSINE DIPHOSPHATE, analysis/

ADENOSINE TRIPHOSPHATE, analysis/ *ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, analysis/ BLADDER, cytology/ BLADDER, drug effects/ *BLADDER, metabolism/ CARBON ISOTOPES/ ENERGY TRANSFER, drug effects/ EPITHELIAL CELLS, analysis/ EPITHELIAL CELLS, drug effects/ *EPITHELIAL CELLS, metabolism/ IN VITRO/ KINETICS/ OUABAIN, pharmacodynamics/ PHOSPHOCREATINE, analysis/ *SODIUM, analysis/ TOADS/ VASOPRESSIN, pharmacodynamics

1471. **Haneke E, Bettzieche H:** Fluoreszenz-histochemischer Nachweis adrenerger Nerven in der Portio vaginalis uteri.
Acta Histochem (Jena) 43:126-31, 1972 (Ger)
ADULT/ ARTERIES, cytology/ CATECHOLAMINES, analysis/ CERVIX UTERI, analysis/ CERVIX UTERI, blood supply/ *CERVIX UTERI, innervation/ CONNECTIVE TISSUE, analysis/ CONNECTIVE TISSUE, innervation/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ HUMAN/ MIDDLE AGE/ SEROTONIN, analysis/ *SYMPATHETIC NERVOUS SYSTEM, cytology

1472. **Hanissian AS, Martinez AJ, Jabbour JT, et al:** Vasculitis and myositis secondary to rubella vaccination.
Arch Neurol 28:202-4, Mar 73
ARTHUS PHENOMENON/ ASPIRIN, therapeutic use/ CHILD/ HUMAN/ LIVER, pathology/ LYMPH NODES, pathology/ MALE/ MICROSCOPY, ELECTRON/ MUSCLES, pathology/ MYOSITIS, drug therapy/ *MYOSITIS, etiology/ MYOSITIS, pathology/ PREDNISONE, therapeutic use/ *RUBELLA, prevention & control/ *RUBELLA VACCINE, adverse effects/ SURAL NERVE, pathology/ *VACCINATION, adverse effects/ VASCULAR DISEASES, drug therapy/ *VASCULAR DISEASES, etiology

1473. **Hansen AP:** Serum growth hormone patterns in female juvenile diabetics.
J Clin Endocrinol Metab 36:638-46, Apr 73
ADULT/ BLOOD SUGAR, analysis/ CONTRACEPTIVES, ORAL, pharmacodynamics/ *DIABETES MELLITUS, JUVENILE, blood/ EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *SOMATOTROPIN, blood

1474. **Hansen JW, Gordan GS, Prussin SG:** Direct measurement of osteolysis in man.
J Clin Invest 52:304-15, Feb 73
ACTIVATION ANALYSIS/ ADULT/ *BONE RESORPTION, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FECES, analysis/ FEMALE/ HUMAN/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ PREDNISONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ URINE, analysis

1475. **Hanson FW:** "Post-pill" amenorrhea. Diagnosis and management. Postgrad Med 53:156-62, Feb 73
*AMENORRHEA, chemically induced/ AMENORRHEA, drug therapy/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, therapeutic use/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ OVULATION, drug effects/ TIME FACTORS

1476. **Hansson V:** Further characterization of the 5 -dihydrotestosterone binding protein in the epididymal cytosol fraction. In vitro studies.
Steroids 20:575-96, Nov 72
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *CARRIER PROTEINS/ CARRIER PROTEINS, isolation & purification/ CARRIER PROTEINS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, analysis/ CYTOSOL, metabolism/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPIDIDYMIS, cytology/ *EPIDIDYMIS, cytology/ EPIDIDYMIS, metabolism/ ESTRADIOL, metabolism/ GEL FILTRATION/ ISOELECTRIC FOCUSING/ LIGANDS/ MALE/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ *STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

1477. **Hansson V, Larsen J, Reusch E:** Physiocochemical properties of the 5 -dihydrotestosterone binding protein in human male serum.
Steroids 20:555-74, Nov 72
BINDING, COMPETITIVE/ *CARRIER PROTEINS, blood/ CARRIER PROTEINS, isolation & purification/ CARRIER PROTEINS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHEMISTRY, PHYSICAL/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ESTRADIOL, blood/ GEL FILTRATION/ HUMAN/ ISOELECTRIC FOCUSING/ MALE/ MATHEMATICS/ MOLECULAR WEIGHT/ PROGESTERONE, blood/ PROTEIN BINDING/ *STANOLONE, blood/ TESTOSTERONE, blood/ TRANSCORTIN, blood/ TRITIUM

1478. **Haque N, Srivastava L, Werk EE Jr, et al:** Responsiveness to thyrotropin in primary thyroidal failure. Am J Med Sci 264:495-8, Dec 72
ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ IODINE ISOTOPES, DIAGNOSTIC/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROTROPIN, blood/ *THYROTROPIN, diagnostic use/ THYROXINE, blood/ THYROXINE-BINDING

1479. **Hara M:** [Thyroid gland at the root of the tongue]
Clin Endocrinol (Tokyo) 20:739-41, Sep 72 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ RESINS/ *THYROID GLAND, abnormalities/ *TONGUE, abnormalities

1480. **Hara M, Kayamori R, Ozaki N, et al:** [Reduced dosage of 131 I in the treatment of hyperthyroidism. 2]
Jap J Clin Radiol 18:107-10, Feb 73 (Jap)
ADMINISTRATION, ORAL/ ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE

1481. **Harada S, Nishikawa Y, Suzuki T, et al:** [Congenital unilateral aplasia of the thyroid lobe]
Clin Endocrinol (Tokyo) 20:743-6, Sep 72 (Jap)
ADULT/ AGED/ FEMALE/ HUMAN/ MIDDLE AGE/ *THYROID GLAND, abnormalities

1482. **Harano Y, Kowal J:** 11 -Hydroxylation and carnitine-dependent fatty acid oxidation in adrenal mitochondria.
Arch Biochem Biophys 153:68-73, Nov 72
ACYLTRANSFERASES/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ AMOBARBITAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARNITINE/ *CARNITINE, pharmacodynamics/ COENZYME A, pharmacodynamics/ *DESOXYCORTICOSTERONE, metabolism/

DINITROPHENOLS, pharmacodynamics/ *FATTY ACIDS, metabolism/ HYDROXYLATION/ KETONE BODIES, biosynthesis/ MALATES, pharmacodynamics/ MALE/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ OXIDATION-REDUCTION/ PALMITIC ACID/ RATS

1483. **Hardisty RM, Mills DC:** The platelet defect associated with albinism. Ann NY Acad Sci 201:429-36, 27 Oct 72
ADENINE NUCLEOTIDES, blood/ ADULT/ *ALBINISM, blood/ BLOOD PLATELETS, enzymology/ BLOOD TRANSFUSION/ CARBON ISOTOPES/ CONTRACEPTIVES, ORAL, therapeutic use/ EPINEPHRINE, metabolism/ FEMALE/ GLUCOSAMINIDASE, blood/ GLUCURONIDASE, blood/ HUMAN/ MENORRHAGIA, drug therapy/ *PLATELET ADHESIVENESS/ SEROTONIN, metabolism

1484. **Hardonk MJ, Jonkers A:** 5'-Nucleotidase. VI. Sex differences in the localization of rat liver 5'-nucleotidase activity. Histochemie 32:363-8, 1972
ANIMAL EXPERIMENTS/ BILE DUCTS, INTRAHEPATIC, enzymology/ CASTRATION/ FEMALE/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *NUCLEOTIDASES, metabolism/ RATS/ SEX FACTORS/ SEX HORMONES, pharmacodynamics

1485. **(Harington C), Neuberger A:** Sir Charles Harington (1897-1972). Biochem J 129:801-4, Oct 72
ACADEMIES AND INSTITUTES/ *BIOCHEMISTRY, history/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ IMMUNOCHEMISTRY/ INTERNATIONAL COOPERATION/ PUBLISHING/ RESEARCH/ THYROXINE

1486. **Harisch G, Dey-Hazra A, Schole J, et al:** Zur endokrinen Reaktion des Wirtstieres auf parasitäre Infektionen. Int J Parasitol 2:45-53, Mar 72 (Ger)
*ADRENAL GLANDS, physiopathology/ ANCYLOSTOMA/ ANIMAL EXPERIMENTS/ ASCARIS/ CHICKENS/ EIMERIA/ ENGLISH ABSTRACT/ FASCIOLA HEPATICA/ *FASCIOLIASIS, physiopathology/ GLUTATHIONE, metabolism/ LIVER, metabolism/ MICE/ *NEMATODE INFECTIONS, physiopathology/ *PROTOZOAN INFECTIONS, physiopathology/ RATS/ STRESS/ STRONGYLOIDEA/ TIME FACTORS/ TRICHINELLA/ TRYPANOSOMA/ TRYPANOSOMA BRUCEI

1487. **Harnisch H:** Zur Behandlung akuter und chronischer Infektionen im Mund-Kiefer-Bereich. ZWR 82:73-4, 25 Jan 73 (Ger)
ACUTE DISEASE/ CHRONIC DISEASE/ GINGIVITIS, drug therapy/ HUMAN/ INFECTION, drug therapy/ *MOUTH DISEASES, drug therapy/ PERIODONTITIS, drug therapy/ *PREDNISOLONE, TOPICAL, therapeutic use/ STOMATITIS, drug therapy

1488. **Harri MN, Hedenstam R, Lindgren E, et al:** Calorigenic effect of 5-hydroxytryptamine in the frog, Rana temporaria.
Comp Biochem Physiol [A] 43:545-52, 1 Nov 72
ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *BODY TEMPERATURE, drug effects/ CARBOHYDRATES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATS, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FROGS/ GLYCERIN, blood/ MALE/ OXYGEN CONSUMPTION, drug effects/ *RANA TEMPORARIA/ SEASONS/ *SEROTONIN, pharmacodynamics

1489. **Harrington KD, Johnston JO, Turner RH, et al:** The use of methylmethacrylate as an adjunct in the internal fixation of malignant neoplastic fractures.
J Bone Joint Surg [Am] 54:1665-76, Dec 72
ACETABULUM, injuries/ *BONE NEOPLASMS, complications/ BREAST NEOPLASMS/ FEMORAL FRACTURES, surgery/ *FRACTURE FIXATION, INTERNAL/ FRACTURES, SPONTANEOUS, etiology/ *FRACTURES, SPONTANEOUS, surgery/ HIP JOINT/ HUMAN/ HUMERAL FRACTURES, surgery/ INTESTINAL NEOPLASMS/ JOINT PROSTHESIS/ KIDNEY NEOPLASMS/ LUNG NEOPLASMS/ MELANOMA/ *METHYLMETHACRYLATE/ MULTIPLE MYELOMA/ NEOPLASM METASTASIS/ SARCOMA, RETICULUM CELL/ THYROID NEOPLASMS/ TIBIAL FRACTURES, surgery

1490. **Harris AW, Bankhurst AD, Mason S, et al:** Differentiated functions expressed by cultured mouse lymphoma cells. II. Theta antigen, surface immunoglobulin and a receptor for antibody on cells of a thymoma cell line. J Immunol 110:431-8, Feb
AMINO ACIDS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIGENS, analysis/ *BINDING SITES, ANTIBODY, analysis/ CARBON ISOTOPES/ CELLS, CULTURED/ CLONE CELLS/ HYDROCORTISONE, pharmacodynamics/ IGM/ IMMUNE ADHERENCE REACTION/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULIN FRAGMENTS/ *IMMUNOGLOBULINS, analysis/ T-LYMPHOCYTES, immunology/ MICE/ SARCOMA, MAST CELL, immunology/ THYMIDINE, pharmacodynamics/ *THYMOMA immunology

1491. **Harris JE, Nasjleti CE, Kowalski CJ:** Discriminati between groups of chromosomes and individu chromosomes in the normal human karyotype Chromosoma 40:269-84, 1973
*CHROMOSOMES/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 19-20/ CHROMOSOMES, HUMAN, 21-22/ GENETIC TECHNICS/ HUMAN/ *KARYOTYPING/ SEX CHROMOSOMES

1492. **Harris JW, Teng SS:** Sulfhydryl groups during the phase: comparison of cells from G 1, plateau-phase C and G 0 . J Cell Physiol 81:91-5, Feb 73
*CELL DIVISION/ CELL LINE/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamic DACTINOMYCIN, pharmacodynamics/ DNA, biosynthesis/ GLUTATHIONE REDUCTASE, analysis/ HAMSTERS/ HYDROXYUREA, pharmacodynamics/ ISOLEUCINE/ ISOPROTERENOL, pharmacodynamics/ MICE/ OVARY/ SALIVARY GLANDS/ STIMULATION, CHEMICAL/ *SULFHYDRYL COMPOUNDS, analysis/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

1493. **Harris PG:** Clinical experience with povidone-iodi vaginal pessaries in the treatment of non-specif vaginitis. Practitioner 209:828-30, Dec 72
CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *PESSARIES/ *POLYVINYLPYRROLIDONE, administration dosage/ POVIDONE-IODINE, administration & dosage/ POVIDONE-IODINE, therapeutic use/ PREGNANCY/ TIME FACTORS/ *VAGINITIS drug therapy

1494. **Harris R, Griffin CJ:** The ultrastructure of the blo vessels of the human dental pulp following injury. Aust Dent J 17:355-62, Oct 72
*ARTERIES, pathology/ *CAPILLARIES, pathology/ CELL MOVEMENT/ CYTOPLASM *DENTAL PULP, blood supply/ DENTAL PULP, injuries/ DENTAL PULP CAPPING/ *DENTAL PULP EXPOSURE/ ERYTHROCYTES/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ LEUKOCYTES/ MICROSCOPY, ELECTRON/ PINOCYTOSIS/ RIBOSOMES

1495. **Harris R, Patton JT, Barson AJ:** Pseudo-achondrogenesis with fractures. Clin Genet 3:435-41, 1972
ACHONDROPLASIA, complications/

ACHONDROPLASIA, congenital/ *ACHONDROPLASIA, familial & genetic/ ACHONDROPLASIA, pathology/ ACHONDROPLASIA, radiography/ AUTOPSY/ *BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ BRONCHI, pathology/ CARTILAGE, pathology/ DWARFISM, complications/ DWARFISM, congenital/ *DWARFISM, familial & genetic/ DWARFISM, radiography/ FEMALE/ FETAL DEATH, etiology/ FRACTURES, SPONTANEOUS, etiology/ GESTATIONAL AGE/ HUMAN/ HYDRAMNIOS/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, familial & genetic/ MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS

96. **Harris RC:** Alkaline phosphatase values in children. J Pediatr 82:361-2, Feb 73
ADOLESCENCE/ AGE FACTORS/ *ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ *CYSTIC FIBROSIS, enzymology/ HUMAN/ LIVER, enzymology

97. **Harris RJ, Haas L:** Septo-optic dysplasia with growth hormone deficiency (De Morsier syndrome). Arch Dis Child 47:973-6, Dec 72
BLINDNESS, etiology/ BRAIN, abnormalities/ CHILD/ *DWARFISM, PITUITARY/ DWARFISM, PITUITARY, diagnosis/ FEMALE/ HUMAN/ INSULIN, diagnostic use/ *OPTIC NERVE, abnormalities/ PNEUMOENCEPHALOGRAPHY/ *SEPTUM PELLUCIDUM, abnormalities/ *SOMATOTROPIN, biosynthesis/ SYNDROME, diagnosis/ SYNDROME, occurrence

98. **Harrison FA, Heap RB, Paterson JY:** Pregnancy in adrenalectomized ewes: glucose production and steroid changes in late gestation. J Physiol (Lond) 227:21P-22P, Dec 72
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CARBON ISOTOPES/ CORTICOSTERONE, pharmacodynamics/ CORTISONE, pharmacodynamics/ *ESTROGENS, metabolism/ FEMALE/ FETUS/ *GLUCOSE, metabolism/ HYDROCORTISONE, blood/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RADIOIMMUNOASSAY/ *SHEEP, metabolism/ TRITIUM

99. **Harrison MH:** Comparison of the metabolic effects of centrifugation and beat stress in man. Aerosp Med 44:299-303, Mar 73
*ACCELERATION/ ADULT/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ CENTRIFUGATION/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIN, blood/ *HEAT/ HEMATOCRIT/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ LACTATES, blood/ *METABOLISM/ MIDDLE AGE/ *STRESS, MECHANICAL

00. **Harrison RM, Dukelow WR:** Environmental influences in fertilization in vitro of periovarian and oviducal rabbit ova. J Reprod Fertil 31:483-6, Dec 72
ANIMAL EXPERIMENTS/ FALLOPIAN TUBES, physiology/ FEMALE/ *FERTILIZATION/ IN VITRO/ LIGATION/ OVARY/ OVULATION/ *OVUM, physiology/ RABBITS/ SPERM CAPACITATION/ TIME FACTORS/ UTERUS, physiology

01. **Harrison SG, Sellick BA:** Cardiovascular effects of altbesin in patients with cardiac pathology. Preliminary communication. Br J Anaesth 44:1205-7, Nov 72
ADULT/ ANESTHESIA, GENERAL/ *ANESTHETICS/ *BLOOD PRESSURE, drug effects/ DIAZEPAM/ ELECTROCARDIOGRAPHY/ EXTRACORPOREAL CIRCULATION/ *HEART DISEASES, surgery/ *HEART RATE, drug effects/ HUMAN/ INTUBATION, INTRATRACHEAL/ KETONES/ MIDDLE AGE/ NITROUS OXIDE/ OXYGEN/ PANCURONIUM/ PHENOPERIDINE/ *PREGNANES

1502. **Hars E, Massier M:** Effects of fluorides, cortico-steroids and tetracyclines on extraction wound healing in rats. Acta Odontol Scand 30:511-22, Nov 72
ANIMAL EXPERIMENTS/ BONE REGENERATION, drug effects/ BONE RESORPTION, prevention & control/ *CORTISONE, pharmacodynamics/ *FLUORIDES, pharmacodynamics/ OSTEOGENESIS, drug effects/ *PREDNISOLONE, pharmacodynamics/ RATS/ *TETRACYCLINE, pharmacodynamics/ TOOTH EXTRACTION/ *WOUND HEALING, drug effects

1503. **Hart MM, Reagan RL, Adamson RH:** The effect of isomers of DDD on the ACTH-induced steroid output, histology and ultrastructure of the dog adrenal cortex. Toxicol Appl Pharmacol 24:101-13, Jan 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, antagonists & inhibitors/ *DDD, pharmacodynamics/ DOGS/ KINETICS/ MALE/ MITOCHONDRIAL SWELLING, drug effects/ STEREOISOMERS/ *STEROIDS, biosynthesis/ TIME FACTORS

1504. **Hartley WJ, James LF:** Microscopic lesions in fetuses of ewes ingesting locoweed (Astragalus lentiginosus). Am J Vet Res 34:209-11, Feb 73
ANIMAL EXPERIMENTS/ BRAIN, pathology/ FEMALE/ FETAL DISEASES, pathology/ *FETAL DISEASES, veterinary/ *FETUS, pathology/ KIDNEY, pathology/ LIVER, pathology/ PANCREAS, pathology/ PLACENTA, pathology/ PLANT POISONING, pathology/ *PLANT POISONING, veterinary/ PREGNANCY/ SHEEP/ *SHEEP DISEASES, pathology/ THYROID GLAND, pathology/ TIME FACTORS

1505. **Hartwig W, Górowski T, Chomicki O:** Thyroid hormonal activity in pregnancy (the role of placental factors). Pol Med J 11:1063-9, 1972
ABORTION, INDUCED/ CURETTAGE/ FEMALE/ HUMAN/ IODINE ISOTOPES/ *PLACENTAL HORMONES, physiology/ *PREGNANCY/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, physiology/ TRIIODOTHYRONINE, metabolism

1506. **Harumiya K:** Fine structure of pituitary acidophils in thyroidectomized rats with or without the treatment with thyroxine and dexamethasone. Endocrinol Jap 19:461-75, Oct 72
ANIMAL EXPERIMENTS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics

1507. **Hasegawa H, Nihei R, Imai Y, et al:** [Res-O-Mat ETR (effective thyroxine ratio) test] Clin Endocrinol (Tokyo) 20:883-6, Oct 72 (Jap)
EVALUATION STUDIES/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ RESINS/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

1508. **Hashida J:** [Hypertension: 3 H-catecholamine metabolism in the adrenal glands and brain and tissue metabolism of 3 3 H-DOPA during reserpine, alpha-methyl DOPA and ST-155 administration in spontaneously hypertensive rats] Folia Endocrinol Jap 49:80-97, 20 Jan 73 (Jap)
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BODY

WEIGHT/ *BRAIN, metabolism/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, metabolism/ CLONIDINE, pharmacodynamics/ *DOPA, metabolism/ DOPAMINE, biosynthesis/ ENGLISH ABSTRACT/ FEMALE/ *HYPERTENSION, metabolism/ MALE/ METHYLDOPA, pharmacodynamics/ NOREPINEPHRINE, biosynthesis/ ORGAN WEIGHT/ RATS/ RESERPINE, pharmacodynamics/ TRITIUM

1509. **Hasibeck M, Mehnert H:** Diabetes mellitus und Kaffee.
Z Ernaehrungswiss [Suppl] 14:Suppl 14:27-35, 1972 **(Ger)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BLOOD SUGAR/ *CAFFEINE, pharmacodynamics/ CATECHOLAMINES, biosynthesis/ COFFEE/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, therapy/ DIET THERAPY/ DRINKING/ ENGLISH ABSTRACT/ INSULIN, secretion/ LIPIDS, metabolism/ MALE/ PANCREAS, drug effects/ PHOSPHODIESTERASES, antagonists & inhibitors

1510. **Haspels AA, Luigies JH:** Induction of abortion by intravenous and intra-uterine administration of prostaglandin F 2 . J Reprod Med 9:442-7, Dec 72
*ABORTION, LEGAL/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ RESPIRATION, drug effects/ UTERUS, drug effects/ VOMITING, chemically induced

1511. **Hassler R:** Supranuclear structures regulating binocular eye and head movements.
Bibl Ophthalmol 82:207-19, 1972 (30 ref.)
ABDUCENT NERVE, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CATS/ CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ *EYE MOVEMENTS/ FRONTAL LOBE, physiology/ *HEAD/ HYPOTHALAMUS, physiology/ LOCOMOTION/ MESENCEPHALON, physiology/ MOVEMENT/ OCULOMOTOR NERVE, physiology/ PONS, physiology/ RETICULAR FORMATION, physiology/ REVIEW/ ROTATION/ SUPERIOR COLLICULUS, physiology/ TEGMENTUM MESENCEPHALI, physiology/ THALAMUS, physiology/ VESTIBULAR APPARATUS, physiology/ VESTIBULAR NUCLEI, physiology/ *VISION/ VISUAL CORTEX, physiology

1512. **Hata T, Ito S, Okawa K, et al:** [Criteria for malignancy of chorionic tumor at the cellular level]
Jap J Clin Pathol 20:747-53, Oct 72 **(Jap)**
*CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, pathology/ HUMAN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PROGNOSIS

1513. **Hatotani N:** [Endocrinogenic mental disorders]
Jap J Clin Med 30:2275-82, Nov 72 **(Jap)**
*ENDOCRINE DISEASES, complications/ HUMAN/ *MENTAL DISORDERS, etiology

1514. **Haug M:** Phénomènes d'agression liés à l'introduction d'une femelle étrangère vierge ou allaitante au sein d'un groupe de souris femelles.
C R Acad Sci [D] (Paris) 275:2729-32, 6 Dec 72 **(Fre)**
*AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ COITUS/ FEMALE/ *LACTATION/ MICE/ OLFACTORY BULB, physiology/ PREGNANCY/ SMELL/ *SOCIAL BEHAVIOR/ TIME FACTORS

1515. **Hauger-Klevene JH, Moyano MB:** ACTH-induced alterations in catecholamine metabolism in man.
J Clin Endocrinol Metab 36:679-83, Apr 73
*CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ *GLYCOLS, urine/ HUMAN/ HYPOPITUITARISM, drug therapy/ HYPOPITUITARISM, urine/ *MANDELIC ACID, urine

1516. **Haussler MR:** Characterization of the metabolites o vitamin D 3 in the chick. Steroids 20:639-50, Nov 7
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CALCIUM, metabolism/ CARBON ISOTOPES/ CHICKENS/ *CHOLECALCIFEROL metabolism/ CHROMATOGRAPHY/ COUNTERCURRENT DISTRIBUTION/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ DIHYDROXYCHOLECALCIFEROLS, isolation & purification/ GEL FILTRATION/ HYDROXYCHOLECALCIFEROL, biosynthesis/ HYDROXYCHOLECALCIFEROL, blood/ HYDROXYCHOLECALCIFEROL, pharmacodynamics/ KIDNEY, metabolism/ MALE/ MASS SPECTRUM ANALYSIS/ RICKETS, metabolism/ SILICA/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

1517. **Havivi E:** Effect of calcium and vitamin D on fluorid metabolism in the rat. Nutr Metab 14:257-61, 197
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM, DIETARY, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *ERGOCALCIFEROL, pharmacodynamics/ FECES, analysis/ FEMUR, metabolism/ FLUORIDES, blood/ *FLUORIDES, metabolism FLUORIDES, urine/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ NITROGEN, metabolism/ RATS

1518. **Hawkins RA, Nielsen RC, Veech RL:** The measuremer of the inorganic phosphate content of brain in th presence of bone fragments.
J Neurochem 20:35-8, Jan 73
ADENOSINE TRIPHOSPHATE, analysis/ ALCOHOL, METHYL/ ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ *BRAIN CHEMISTRY/ DRUG STABILITY/ LIVER, analysis/ METHODS/ PERCHLORIC ACIDS/ *PHOSPHATES, analysis/ PHOSPHATES, isolation & purification/ PHOSPHOCREATINE, analysis/ RATS/ STARVATION

1519. **Hawkins RI:** The role of platelet function tests in th evaluation of drug toxicity.
Eur J Toxicol 5:37-42, Jan-Feb 72
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ *BLOOD COAGULATION DISORDERS, chemically induced/ *BLOOD COAGULATION TESTS/ *BLOOD PLATELETS, drug effects/ CHOLESTEROL, pharmacodynamics/ CONTRACEPTIVES, ORAL, pharmacodynamics HEMOSTASIS/ HUMAN/ NOREPINEPHRINE, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ RABBITS

1520. **Hayashi K, Takekida H, Tani T, et al:** [Endocrin control of pregnancy]
Clin Endocrinol (Tokyo) 20:693-700, Sep 72 (8 ref **(Ja**
ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ DNA, metabolism/ ENDOMETRIUM, cytology/ ENDOMETRIUM, enzymology/ ESTRADIOL, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GOLGI APPARATUS/ *HORMONES/ MITOSIS, drug effects/ NIDATION/ *PREGNANCY/ PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ RATS/ REVIEW/ RNA, metabolism/ TROPHOBLAST, cytology

1521. **Hayashi M, Miyake H, Tanouchi T, et al:** The synthes of 16(R)- or 16(S) -methylprostaglandins.
J Org Chem 38:1250-1, 23 Mar 73
METHODS/ METHYLATION/ *PROSTAGLANDINS, chem synthesis

1522. **Hayashi S, Hioki N, Mori A, et al:** [Family wi

thyroxine-binding globulin (TBG) deficiency] Clin Endocrinol (Tokyo) 20:875-7, Oct 72 (Jap)
ADOLESCENCE/ ADULT/ *BLOOD PROTEIN DISORDERS, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/ *THYROXINE-BINDING PROTEIN

1523. **Hayduk K, Krause DK, Huenges R, et al:** Plasma renin concentration at delivery and during the newborn period in humans. Experientia 28:1489-90, 15 Dec 72
ADULT/ BLOOD/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN/ *LABOR/ MALE/ PREGNANCY/ PUERPERIUM/ *RENIN, blood/ UMBILICAL CORD

1524. **Hayek A, Maloof F, Crawford JD:** Thyrotropin behavior in thyroid disorders of childhood. Pediatr Res 7:28-38, Jan 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CRETINISM, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INFANT/ INFANT, NEWBORN/ IODINE ISOTOPES, therapeutic use/ LH, blood/ MALE/ MYXEDEMA, blood/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ THYROID ANTAGONISTS, therapeutic use/ *THYROID DISEASES, blood/ THYROID DISEASES, therapy/ THYROIDITIS, blood/ THYROIDITIS, LYMPHOMATOUS, blood/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, therapeutic use

1525. **Haynes NB, Cooper KJ:** The interaction between constant light and feeding rhythms on the reproductive cycle of the female rat. J Reprod Fertil 31:489-90, Dec 72
ANIMAL EXPERIMENTS/ DARKNESS/ *ESTRUS/ *FEEDING BEHAVIOR/ FEMALE/ *LIGHT/ RATS/ TIME FACTORS

1526. **Hayreh SS:** Optic disc vasculitis. Br J Ophthalmol 56:652-70, Sep 72
ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/ HUMAN/ MALE/ MIDDLE AGE/ OPHTHALMOSCOPY/ *PAPILLEDEMA/ PAPILLEDEMA, diagnosis/ PAPILLEDEMA, drug therapy/ PAPILLEDEMA, etiology/ *PHLEBITIS/ PHLEBITIS, diagnosis/ PHLEBITIS, drug therapy/ PHLEBITIS, etiology/ PREDNISOLONE, therapeutic use/ *RETINAL VEIN/ VISUAL ACUITY

1527. **Hays MT, Green FA:** In vitro studies of 99m Tc-pertechnetate binding by human serum and tissues. J Nucl Med 14:149-58, Mar 73
BLOOD PROTEINS/ BRAIN/ CARCINOMA, blood/ CELL MEMBRANE/ DIALYSIS/ GAMMA GLOBULIN, 7S/ HUMAN/ KIDNEY/ LIVER/ LUNG DISEASES, blood/ MYXEDEMA, metabolism/ PROTEIN BINDING/ SERUM ALBUMIN/ SKIN/ SYNOVIAL MEMBRANE/ *TECHNETIUM/ TEMPERATURE/ THYROID GLAND

1528. **Haysiett JP, Kashgarian M, Bensch KG, et al:** Clinicopathological correlations in the nephrotic syndrome due to primary renal disease. Medicine (Baltimore) 52:93-120, Mar 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE, therapeutic use/ CHILD/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, pathology/ HUMAN/ *KIDNEY DISEASES, complications/ KIDNEY DISEASES, drug therapy/ KIDNEY DISEASES, pathology/ MALE/ MIDDLE AGE/ NEPHROSIS, LIPOID, complications/ NEPHROSIS, LIPOID, drug therapy/ NEPHROSIS, LIPOID, pathology/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, pathology/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROTEINURIA/ REMISSION/ SERUM ALBUMIN, analysis/ URINE, cytology

1529. **Heard TW:** Additives in feed and the E.E.C. Vet Rec 91:653-4, 23 Dec 72
ANIMAL EXPERIMENTS/ *ANIMAL FEED, standards/ ANTIBIOTICS/ ANTIOXIDANTS/ ANTIPROTOZOAL AGENTS/ EUROPE/ *FOOD ADDITIVES, standards/ GREAT BRITAIN/ HORMONES/ LEGISLATION, DRUG/ TRACE ELEMENTS/ VITAMINS

1530. **Hearn JP:** The pituitary gland and pregnancy in the marsupial, Macropus eugenii, employing hypophysectomy and radioimmunoassay for gonadotrophin. J Reprod Fertil 32:328-9, Feb 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ *GONADOTROPINS, blood/ HYPOPHYSECTOMY/ *MARSUPIALIA, physiology/ OVUM/ *PITUITARY GLAND, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RADIOIMMUNOASSAY

1531. **Hearnshaw H, Restall BJ, Gleeson AR:** Observatons on the luteolytic effects of prostaglandin F 2 during the oestrous cycle and early pregnancy in the ewe. J Reprod Fertil 32:322-3, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ OVULATION, drug effects/ PREGNANCY/ pharmacodynamics/ *SHEEP, physiology

1532. **Heber KR:** Hormonal balance of oral contraception. Australas Nurses J 2:17, Feb 73
CONTRACEPTIVES, ORAL, administration & dosage/ PROGESTATIONAL HORMONES, administration & dosage/ SPECIAL LIST NURSING

1533. **Hedstrand H, Wide L:** Serum-thyrotrophin and hypercholesterolaemia. Lancet 1:490, 3 Mar 73
CHOLESTEROL, blood/ CORONARY DISEASE, blood/ HUMAN/ *HYPERCHOLESTEREMIA, blood/ HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *THYROTROPIN, blood/ TRIGLYCERIDES, blood

1534. **Heese K:** Histologische Untersuchungen über den Einfluss von Procarbacin (Natulan) auf Samenepithel, Leydig-Zellapparat und Vascularisation des Mäusetestis. Arch Dermatol Forsch 244:434-6, 1972 (Ger)
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ BENZOATES, pharmacodynamics/ *LEYDIG CELLS, drug effects/ MALE/ MICE/ PROCARBAZINE, pharmacodynamics/ REGENERATION, drug effects/ *SPERMATOZOA, drug effects/ *TESTIS, blood supply/ TESTIS, physiology

1535. **Heikkila RE, Cohen G:** Evaluation of amantadine as a releasing agent or uptake blocker for H 3 -dopamine in rat brain slices. Eur J Pharmacol 20:156-60, Nov 72
AMANTADINE, administration & dosage/ *AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DESIPRAMINE, administration & dosage/ DESIPRAMINE, pharmacodynamics/ *DOPAMINE, antagonists & inhibitors/ DOPAMINE, metabolism/ IN VITRO/ MALE/ RABBITS/ RATS/ SEROTONIN, antagonists & inhibitors/ TRITIUM

1536. **Heim LR, Yunis EJ, Good RA:** The Peyer's patches as thymus-independent lymphoid tissue. Int Arch Allergy Appl Immunol 42:716-23, 1972
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ GRAFT VS HOST REACTION/ LYMPHOCYTE DEPLETION/ LYMPHOCYTES, immunology/ *LYMPHOID TISSUE/ MICE/ MICE, INBRED NZB/ PEYER'S PATCHES, immunology/ SPLEEN, cytology/ THYMECTOMY/ *THYMUS GLAND, immunology

1537. **Heimansohn H:** A simple examination for pituitary hypofunction. J Indiana State Dent Assoc 52:32, Jan 73
HYPOPITUITARISM, diagnosis/ PALATE, abnormalities/ SPECIAL LIST DENTAL

1538. Heiss F: Arztliche Probleme bei den Olympischen Spielen. Z Allgemeinmed 48:1550-2, 30 Nov 72 (Ger)
FEMALE/ *HERMAPHRODITISM, diagnosis/ HUMAN/ MALE/ METHODS/ MOUTH MUCOSA, analysis/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOMES, analysis/ SEX DETERMINATION/ *SPORT MEDICINE

1539. Heissen E, Poll W, Strötges MW: Die chirurgisch-radiologische Kombinationsbehandlung maligner Schilddrüsentumoren.
Chirurg 44:49-52, Feb 73 (Ger)
COBALT ISOTOPES, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ NEOPLASM METASTASIS/ PATIENT CARE TEAM/ RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY, HIGH ENERGY/ THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy/ THYROIDECTOMY

1540. Heite HJ, Kaden G: Metastasierung bösartiger Tumoren, insbesondere des malignen Melanoms, in Plazenta und Kind.
Munch Med Wochenschr 114:1909-13, 3 Nov 72 (Ger)
CARCINOMA/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MELANOMA/ *NEOPLASM METASTASIS, diagnosis/ NEOPLASMS/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ SARCOMA/ SKIN NEOPLASMS/ TIME FACTORS

1541. Heitzman RJ, Mallinson CB: A comparison of the thyroxine levels in the plasma of healthy, starved and acetonaemic dairy cows. Res Vet Sci 13:591-3, Nov 72
ACIDOSIS, blood/ *ACIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ *CATTLE DISEASES, blood/ FEMALE/ LACTATION/ PREGNANCY/ RADIOLIGAND ASSAY/ STARVATION, blood/ *STARVATION, veterinary/ *THYROXINE, blood

1542. Held BL, Knox JM: Behçet's syndrome.
Clin Obstet Gynecol 15:1017-22, Dec 72
*BEHCET'S SYNDROME/ BEHCET'S SYNDROME, complications/ BEHCET'S SYNDROME, diagnosis/ BEHCET'S SYNDROME, etiology/ BEHCET'S SYNDROME, therapy/ BLOOD TRANSFUSION/ CONTRACEPTIVES, ORAL, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE

1543. Heller H, O'Dey H: Blut-Katalase-Aktivität bei Behandlung mit einem Kontrazeptivum.
Zentralbl Gynaekol 94:1712-21, 9 Dec 72 (Ger)
ADULT/ *CATALASE, blood/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DIABETES MELLITUS, blood/ FEMALE/ HUMAN/ LIVER DISEASES, blood/ MESTRANOL, pharmacodynamics/ TIME FACTORS

1544. Hellinga G, Swaen GJ, Esch EP van der: Morphological semi-quantitative scoring of testicular biopsy in infertility. Andrologie 4:55-60, 1972
*BIOPSY/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ METHODS/ SPERMATOGENESIS/ *STERILITY, MALE, pathology/ *TESTIS, pathology

1545. Helman EZ, Ting P: Counting of beta and gamma emitters used in clincal radioimmunoassays and competitive-binding assays by liquid scintillation counters. Clin Chem 19:191-6, Feb 73
ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, immunology/ ANTIGENS, NEOPLASM/ *BINDING, COMPETITIVE/ CHEMISTRY, CLINICAL, instrumentation/ CHROMIUM ISOTOPES/ COBALT ISOTOPES/ DIGOXIN, blood/ GASTROINTESTINAL NEOPLASMS, diagnosis/ GASTROINTESTINAL NEOPLASMS, immunology/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IRON ISOTOPES/ METHODS/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ *SCINTILLATION COUNTERS/ THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE/ TRITIUM

1546. Hendricks CH: Brook Lodge symposium on prostaglandins. Moderator's summary.
J Reprod Med 9:425-6, Dec 72
*ABORTION, THERAPEUTIC/ FEMALE/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ UTERUS, drug effects

1547. Hendricks CH: Prostaglandins and therapeutic abortion: summary of present status.
J Reprod Med 9:466-8, Dec 72
*ABORTION, THERAPEUTIC/ AMNIOTIC FLUID/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ POPULATION CONTROL/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS/ VAGINA

1548. Hendry JH: The response of haemopoietic colony-forming units and lymphoma cells irradiated in soft tissue (spleen) or a bone cavity (femur) with single doses of X rays, rays or D-T neutrons
Br J Radiol 45:923-32, Dec 72
ANIMAL EXPERIMENTS/ BONE AND BONES/ CELL DIVISION/ CESIUM ISOTOPES/ COBALT ISOTOPES/ FEMALE/ *FEMUR, radiation effects/ *HEMATOPOIETIC STEM CELLS, radiation effects/ *LYMPHOCYTES, radiation effects/ LYMPHOMA/ MALE/ MICE/ NEOPLASMS, EXPERIMENTAL/ *NEUTRONS/ RADIATION DOSAGE/ *RADIATION EFFECTS/ REGENERATION/ *SPLEEN, radiation effects

1549. Hennam JF, Collins WP, Sommerville IF: Radioimmunoassay of urinary testosterone glucuronoside. Steroids 21:285-306, Feb 73
ADULT/ ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ BUFFERS/ CATTLE/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ MALE/ MATHEMATICS/ MENSTRUATION/ METHODS/ NICKEL/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RADIOISOTOPES/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

1550. Hennemann HH, Hubertus H: Zu selten diagnostiziert Die Hypothyreose.
Munch Med Wochenschr 115:95-8, 26 Jan 73 (Ger
AGE FACTORS/ AGED/ ANEMIA, HEMOLYTIC, ACQUIRED, complications/ ARTERIOSCLEROSIS, complications/ AUTOANTIBODIES, analysis/ CHRONIC DISEASE/ COMA, complications/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, occurrence/ MIDDLE AGE/ TIME FACTORS

1551. Henney CS, Bubbers JE: Studies on the mechanism o lymphocyte-mediated cytolysis. I. The role of divalen cations in cytolysis by T lymphocytes.
J Immunol 110:63-72, Jan 73
ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY REACTIONS, drug effects/ *CALCIUM, pharmacodynamics/ CHROMIUM ISOTOPES/ CYTOCHALASIN B, pharmacodynamics/ EDTA, pharmacodynamics/ *T-LYMPHOCYTES, immunology/ *MAGNESIUM, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ PROSTAGLANDINS, pharmacodynamics/ *SARCOMA, MAST CELL, immunology

1552. Hennig K, Woller P, Holtorff J, et al: Plazentoszintigraphie mit Indium 113m.
Radiol Diagn (Berl) 13:555-60, 1972 (Ge
ENGLISH ABSTRACT/ FEMALE/ HUMAN/

*INDIUM, diagnostic use/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ RADIATION DOSAGE/ RADIOISOTOPE SCANNING/ RADIOISOTOPES, diagnostic use

1553. **Henzl MR, Ortega E, Cortés-Gallegos V, et al:** Prostaglandin E2 and the luteal phase of the menstrual cycle: effects on blood progesterone, estradiol, cortisol, and growth hormone levels. J Clin Endocrinol Metab 36:784-7, Apr 73
ADULT/ CORPUS LUTEUM, drug effects/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ MUSCLE CONTRACTION, drug effects/ *PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *SOMATOTROPIN, blood/ TIME FACTORS/ UTERUS, drug effects

1554. **Hepp KD:** Adenylate cyclase and insulin action. Effect of insulin, nonsuppressible insulin-like material, and diabetes on adenylate-cyclase activity in mouse liver. Eur J Biochem 31:266-76, 4 Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ DIABETES MELLITUS, chemically induced/ DRUG ANTAGONISM/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GUANINE NUCLEOTIDES, pharmacodynamics/ *INSULIN, pharmacodynamics/ *LIVER, enzymology/ MALE/ MICE/ MYOCARDIUM, enzymology/ *PEPTIDES, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PHOSPHOENOLPYRUVATE/ RECEPTORS, DRUG/ SODIUM, pharmacodynamics/ STREPTOZOTOCIN

1555. **Herbert J:** Initial observations on pinealectomized ferrets kept for long periods in either daylight or artificial illumination. J Endocrinol 55:591-7, Dec 72
ANIMAL EXPERIMENTS/ BREEDING/ *CARNIVORA, physiology/ ESTRUS/ FEMALE/ *LIGHT/ LIGHTING/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ SEASONS/ TIME FACTORS

1556. **Herblin WF:** Amantadine and catecholamine uptake. Biochem Pharmacol 21:1993-5, 15 Jul 72
*AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CATECHOLAMINES, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DOPAMINE, antagonists & inhibitors/ DOPAMINE, metabolism/ FEMALE/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ IN VITRO/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism

1557. **Heritier M:** Malformations dentaires expérimentales chez la souris.
Rev Fr Odontostomatol 19:425-36, Sep-Oct 72 (Fre)
ANIMAL EXPERIMENTS/ GESTATIONAL AGE/ *INCISOR, abnormalities/ MICE/ ODONTOGENESIS/ ODONTOGENIC TUMOR/ PREGNANCY/ TESTIS/ TIME FACTORS/ *TOOTH ABNORMALITIES/ TOOTH ABNORMALITIES, etiology/ TOOTH ABNORMALITIES, pathology/ *TOOTH GERM, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1558. **Hermetet JC, Ciesielski-Treska J, Mandel P:** Effets du N.G.F. (nerve growth factor) sur un neuroblastome murin. C R Soc Biol (Paris) 166:706-11, 1972 (Fre)
ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ CELL DIFFERENTIATION/ HISTOCYTOCHEMISTRY/ LACTATE DEHYDROGENASE, analysis/ MICE/ MICE, INBRED A/ MICROSCOPY, FLUORESCENCE/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL/ *NERVE GROWTH FACTOR, pharmacodynamics/ *NEUROBLASTOMA/ NEUROBLASTOMA, enzymology/ SUCCINATE DEHYDROGENASE, analysis

1559. **Hermodson MA, Ericsson LH, Titani K, et al:** Application of sequenator analyses to the study of proteins. Biochemistry 11:4493-502, 21 Nov 72
ACETAMIDES/ *AMINO ACID SEQUENCE/ ARGININE, analysis/ BENZYL COMPOUNDS/ BUFFERS/ BUTYRATES/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CYANOGEN BROMIDE/ CYSTEINE, analysis/ FLUORINE/ HISTIDINE, analysis/ HYDROXYLAMINES/ MACROMOLECULAR SYSTEMS/ METHODS/ METHYLAMINES/ *PROTEINS, analysis/ SILICON/ SWINE/ *THERMOLYSIN, analysis/ THIOCYANATES/ *TRYPSIN, analysis

1560. **Hermodsson I:** Roentgen appearances of arthritis of the hip. Acta Radiol [Diagn] (Stockh) 12:865-81, Nov 72
ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FOLLOW-UP STUDIES/ *HIP, radiography/ HUMAN/ MALE/ STEROIDS, adverse effects/ SYNOVITIS, etiology/ SYNOVITIS, radiography/ TUBERCULOSIS, OSTEOARTICULAR, complications/ TUBERCULOSIS, OSTEOARTICULAR, radiography

1561. **Hernandez L, Briese E:** Analysis of diabetic hyperphagia and polydipsia.
Physiol Behav 9:741-6, Nov-Dec 72
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, etiology/ BODY WEIGHT/ CONDITIONING, OPERANT/ DIABETES MELLITUS, chemically induced/ *DIABETES MELLITUS, metabolism/ *DRINKING BEHAVIOR/ EATING/ *FEEDING BEHAVIOR/ HUNGER/ HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ INSULIN, physiology/ MODELS, BIOLOGICAL/ *MOTIVATION/ OBESITY IN DIABETES/ RATS/ SATIATION/ STREPTOZOTOCIN/ TASTE

1562. **Hernandez O, Ballesteros LM, Mendez D, et al:** Polyamine synthesis and polysome patterns in the rat uterus during the oestrous cycle.
Endocrinology 92:1107-12, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ *ESTRUS/ FEMALE/ NUCLEOPROTEINS, analysis/ ORNITHINE/ *POLYAMINES, metabolism/ *POLYRIBOSOMES, analysis/ PUTRESCINE, metabolism/ RATS/ SPERMIDINE, metabolism/ SPERMINE, metabolism/ ULTRACENTRIFUGATION/ UTERUS, cytology/ UTERUS, enzymology/ *UTERUS, metabolism

1563. **Herrenkohl LR, Lisk RD:** Effects on lactation of progesterone injections administered before and after parturition in the rat.
Proc Soc Exp Biol Med 142:506-10, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ FETAL DEATH, chemically induced/ GESTATIONAL AGE/ *LACTATION, drug effects/ PREGNANCY/ *PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ PUERPERIUM/ RATS

1564. **Herrmann K, Herrmann RM:** Probleme der Diagnostik und Behandlung von Pleuramesotheliomen.
Arch Geschwulstforsch 40:355-61, 1972 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ DYSPNEA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MESOTHELIOMA, complications/ *MESOTHELIOMA, diagnosis/ MESOTHELIOMA, drug therapy/ MESOTHELIOMA, radiography/ MESOTHELIOMA, radiotherapy/

MESOTHELIOMA, surgery/ MIDDLE AGE/ PALLIATIVE TREATMENT/ PLEURAL NEOPLASMS, complications/ *PLEURAL NEOPLASMS, diagnosis/ PLEURAL NEOPLASMS, drug therapy/ PLEURAL NEOPLASMS, etiology/ PLEURAL NEOPLASMS, radiography/ PLEURAL NEOPLASMS, radiotherapy/ PLEURAL NEOPLASMS, surgery

1565. **Hersh T, Siddiqui DA:** Magnesium and the pancreas.
Am J Clin Nutr 26:362-6, Mar 73 (31 ref.)
ACUTE DISEASE/ ALCOHOLISM, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHRONIC DISEASE/ DIETARY PROTEINS/ ENZYMES, biosynthesis/ HUMAN/ HYPOCALCEMIA, etiology/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, therapeutic use/ MAGNESIUM DEFICIENCY/ MALABSORPTION SYNDROMES, metabolism/ *PANCREAS/ PANCREAS, enzymology/ PANCREAS, metabolism/ PANCREAS, physiology/ PANCREATIC JUICE, metabolism/ PANCREATITIS, complications/ *PANCREATITIS, metabolism/ PARATHYROID HORMONE, physiology/ PROTEIN DEFICIENCY/ PROTEIN DEFICIENCY, drug therapy/ REVIEW/ SECRETIN, pharmacodynamics

1566. **Hershman JM:** Hyperthyroidism induced by trophoblastic thyrotropin.
Mayo Clin Proc 47:913-8, Dec 72 (31 ref.)
ADULT/ CHORIOCARCINOMA, complications/ CHORIOCARCINOMA, metabolism/ FEMALE/ HEART FAILURE, CONGESTIVE, etiology/ *HORMONES, ECTOPIC/ HUMAN/ HYDATIDIFORM MOLE, complications/ HYDATIDIFORM MOLE, metabolism/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, etiology/ IGG, analysis/ LONG-ACTING THYROID STIMULATOR/ MALE/ NEOPLASM METASTASIS/ PLACENTA, analysis/ PREGNANCY/ REVIEW/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, analysis/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROTROPIN, urine/ *TROPHOBLASTIC TUMOR, complications/ TROPHOBLASTIC TUMOR, metabolism/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, metabolism

1567. **Hershman JM, Kojima A, Friesen HG:** Effect of thyrotropin-releasing hormone on human pituitary thyrotropin, prolactin, placental lactogen, and chorionic thyrotropin.
J Clin Endocrinol Metab 36:497-501, Mar 73
ADOLESCENCE/ ADULT/ BIOLOGICAL ASSAY/ FEMALE/ HUMAN/ PLACENTA, drug effects/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

1568. **Hersie K, Gissién H:** CALMURID HC-Salbe--ein neues Prinzip in der Behandlung von chroniscben, traumiterativen Handekzemen.
Z Haut Geschlecbtskr 47:571-3, 1 Jul 72 (Ger)
CHRONIC DISEASE/ CLINICAL RESEARCH/ *ECZEMA, drug therapy/ FEMALE/ FLUPREDNISOLONE, therapeutic use/ HAND DERMATOSES, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ *NEURODERMATITIS, drug therapy/ OINTMENTS/ *UREA, therapeutic use

1569. **Herteiendy F, Todd H, Ehrhart K, et al:** Studies on growth hormone secretion. IV. In vivo effects of prostaglandin E1. Prostaglandins 2:79-91, Aug 72
ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CASTRATION/ DEPRESSION, CHEMICAL/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ INSULIN, blood/ IODINE ISOTOPES/ MALE/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ TIME FACTORS

1570. **Hervé R, Taurelle R:** Chorio-épithéliome primitif de l'ovaire. Perspecitves thérapeutiques.
Rev Fr Gynecol Obstet 68:53-8, Jan 73 (Fre)
ADULT/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, surgery/ *CHORIOCARCINOMA, therapy/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy

1571. **Hervey GR:** The physiology of cold-wet survival.
J R Nav Med Serv 58:161-70, Winter 72
*BODY TEMPERATURE REGULATION/ *COLD/ HUMAN/ HYPOTHALAMUS, physiology/ HYPOTHERMIA, therapy/ *IMMERSION/ NAVAL MEDICINE/ *SURVIVAL

1572. **Herwig KR, Conn JW, Schteingart DE, et al:** Localization of adrenal tumors by photoscanning.
J Urol 109:2-4, Jan 73
*ADENOMA, diagnosis/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ CUSHING'S SYNDROME, diagnosis/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODIZED OILS/ MALE/ PHOTOGRAPHY/ *RADIOISOTOPE SCANNING

1573. **Héry F, Lopez M, Rouer E, et al:** Fluctuations journalières de la biosynthése et de la libération de la sérotonine (5-HT) dans différentes structures cérébrales cbez le rat.
J Physiol (Paris) 65:Suppl 1:127A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CEREBRAL CORTEX, metabolism/ *CIRCADIAN RHYTHM/ HYPOTHALAMUS, metabolism/ RATS/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ SEROTONIN, secretion

1574. **Héry M, Kerdelhue B, Pattou E, et al:** Changes in LH levels in the internal jugular vein following intracarotid injection of purified LH-releasing factor in spayed rats. Life Sci [I] 11:809-15, 1 Sep 72
ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ BLOOD SPECIMEN COLLECTION/ CAROTID ARTERIES/ CASTRATION/ FEMALE/ GUINEA PIGS, immunology/ IMMUNE SERUMS/ INJECTIONS, INTRA-ARTERIAL/ *JUGULAR VEIN/ LH, blood/ *LH, secretion/ METHODS/ PERFUSION/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SHEEP/ SPECIES SPECIFICITY/ TIME FACTORS

1575. **Herz R, Sautter V, Robert F, et al:** The Eck fistula rat: definition of an experimental model.
Eur J Clin Invest 2:390-7, Nov 72
ADRENAL GLANDS, patbology/ AMMONIA, blood/ ANIMAL EXPERIMENTS/ ATROPHY/ BODY WEIGHT/ CEREBRAL CORTEX, pathology/ COPROPHAGIA/ DISEASE MODELS, ANIMAL/ ELECTROENCEPHALOGRAPHY/ LIVER, pathology/ MALE/ MOTOR ACTIVITY/ ORGAN WEIGHT/ *PORTACAVAL ANASTOMOSIS, adverse effects/ POSTOPERATIVE COMPLICATIONS/ RATS/ TESTIS, pathology

1576. **Heston WE, Vlahakis G, Smith GH:** Mammary gland tumors in substrains C57BL-M and C57BL-He mice.
J Natl Cancer Inst 49:805-12, Sep 72
*ADENOCARCINOMA, familial & genetic/ ANIMAL EXPERIMENTS/ FEMALE/ GENOTYPE/ INCLUSION BODIES, VIRAL/ MAMMARY CANCER VIRUS, immunology/ MAMMARY CANCER VIRUS, isolation & purification/ *MAMMARY NEOPLASMS, EXPERIMENTAL, familial & genetic/ MICE/

MICE, INBRED C57BL/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1577. **Hetherington CM:** Carbonic anhydrase activity in the mouse uterus during pregnancy, pseudopregnancy, and lactation. Fertil Steril 24:104-6, Feb 73
ANIMAL EXPERIMENTS/ *CARBONIC ANHYDRASE, metabolism/ FEMALE/ GESTATIONAL AGE/ *LACTATION/ MICE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PSEUDOPREGNANCY/ *UTERUS, enzymology

1578. **Hetzel WD, Kiehnscherf R, Staib W:** Isolierung von radioaktiv markierten Konjugaten des Testosteronmetabolismus aus der Galle der männlichen Ratte.
Hoppe Seylers Z Physiol Chem 353:1525-6, Oct 72 (Ger)
*ANDROSTANES, isolation & purification/ *ANDROSTERONE, isolation & purification/ ANIMAL EXPERIMENTS/ *BILE, analysis/ BILIARY FISTULA/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ GLUCURONATES, isolation & purification/ MALE/ RATS/ *STANOLONE, isolation & purification/ SULFURIC ACIDS, isolation & purification/ *TESTOSTERONE, metabolism

1579. **Heuck F:** Die Röntgenologie der generalisierten Osteopathien.
Z Rheumaforsch 31:324-44, Sep-Oct 72 (Ger)
ADULT/ AUTOMATIC DATA PROCESSING/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ *BONE DISEASES, radiography/ CALCIUM, analysis/ CHILD, PRESCHOOL/ DENSITOMETRY, X-RAY/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, radiography/ HAND, radiography/ HUMAN/ HYDROXYAPATITE, analysis/ HYPERPARATHYROIDISM, SECONDARY/ MALE/ METHODS/ MICRORADIOGRAPHY/ MIDDLE AGE/ OSSIFICATION, PATHOLOGIC/ OSTEOGENESIS IMPERFECTA, radiography/ OSTEOMALACIA, radiography/ OSTEOPETROSIS, radiography/ OSTEOPOROSIS, radiography/ RENAL OSTEODYSTROPHY, radiography/ SPINE, radiography

1580. **Heyden S:** Kaffeekonsum und Krebsverursachung--keine ursächlichen Beziehungen.
Z Ernaehrungswiss [Suppl] 14:Suppl 14:11-8, 1972 (Ger)
ADOLESCENCE/ ADULT/ AGED/ BLADDER NEOPLASMS, etiology/ CHILD/ *COFFEE, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS, etiology/ HUMAN/ LEUKEMIA, etiology/ MALE/ MIDDLE AGE/ *NEOPLASMS, etiology/ OVARIAN NEOPLASMS, etiology/ PANCREATIC NEOPLASMS, etiology/ PROSTATIC NEOPLASMS, etiology

1581. **Heydenreich G:** Untersuchungen mit Ultralan-Pflaster.
Z Haut Geschlechtskr 47:575-7, 1 Jul 72 (Ger)
ACETATES, administration & dosage/ ACETATES, therapeutic use/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ CLINICAL RESEARCH/ FOOT DERMATOSES, drug therapy/ HAND DERMATOSES, drug therapy/ HUMAN/ LEG/ LICHEN PLANUS, drug therapy/ *OCCLUSIVE DRESSINGS/ *PREGNANES, administration & dosage/ PREGNANES, therapeutic use/ PSORIASIS, drug therapy

1582. **Heys RF, Oakey RE:** Differences in 17-oxogenic steroid excretion in pregnancies with normal and anencephalic foetuses.
Acta Endocrinol (Kbh) 72:156-60, Jan 73
*ANENCEPHALUS/ CONTRACEPTIVES, ORAL/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, metabolism/ 17-KETOSTEROIDS, secretion/ *17-KETOSTEROIDS, urine/ PREGNANCY/ *PREGNANCY/ PREGNANCY COMPLICATIONS

1583. **Hickl EJ, Mickan H, Walther D:** Kombination von Prostaglandin F 2 und Paracervicalblock bei Missed Abortion und intrauterinem Fruchttod.
Klin Wochenschr 51:140-1, 1 Feb 73 (Ger)
*ABORTION, MISSED, therapy/ *ABORTION, THERAPEUTIC/ ADULT/ ANESTHESIA, OBSTETRICAL/ ANESTHESIA, SPINAL/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DEATH, therapy/ HUMAN/ LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, therapeutic use

1584. **Hicks R, Sackeyfio AC:** The nature of adrenergic mechanisms involved in anaphylatoxin activity in the guinea-pig. Br J Pharmacol 46:260-9, Oct 72
ADRENALECTOMY/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRONCHI, drug effects/ CATECHOLAMINES, metabolism/ CONSTRICTION/ EPINEPHRINE, antagonists & inhibitors/ GUANETHIDINE, pharmacodynamics/ GUINEA PIGS/ *HISTAMINE LIBERATION/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ TIME FACTORS/ *TOXINS, pharmacodynamics/ VAGOTOMY

1585. **Hill CS Jr:** Medullary carcinoma of the thyroid.
Am Fam Physician 7:99-105, Feb 73
ADENOMA, complications/ *CARCINOMA/ CARCINOMA, complications/ CARCINOMA, familial & genetic/ CARCINOMA, metabolism/ CARCINOMA, mortality/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ CUSHING'S SYNDROME, complications/ DIARRHEA, etiology/ HUMAN/ MALIGNANT CARCINOID SYNDROME, complications/ PARATHYROID NEOPLASMS, complications/ PEDIGREE/ PHEOCHROMOCYTOMA, complications/ THYROCALCITONIN, blood/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, metabolism/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery

1586. **Hill CS Jr, Ibanez ML, Samaan NA, et al:** Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson Hospital experience with patients with the tumor, its special features, and its histogenesis. Medicine (Baltimore) 52:141-71, Mar 73
ADENOMA, complications/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ AGED/ *CARCINOMA/ CARCINOMA, complications/ CARCINOMA, familial & genetic/ CARCINOMA, mortality/ CARCINOMA, pathology/ CARCINOMA, therapy/ FEMALE/ HISTAMINASE, blood/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PEDIGREE/ PHEOCHROMOCYTOMA, complications/ THYROCALCITONIN, blood/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, therapy

1587. **Hingorani V, Ganesh K:** Induction of abortion by extra-amniotic administration of prostaglandin F2alpha; a preliminary report.
Contraception 6:353-9, Nov 72
ABORTION, INDUCED/ ADULT/ FEMALE/ FETAL MEMBRANES/ HUMAN/ MUSCLE, SMOOTH, drug effects/ OXYTOCIN, therapeutic use/ PREGNANCY/

PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, surgery

1588. **Hinman JW, Weeks JR:** The prostaglandins: biology and biochemistry. J Reprod Med 9:262-5, Dec 72
ASPIRIN, pharmacodynamics/ BLOOD PLATELETS, metabolism/ BONE AND BONES, metabolism/ CARDIOVASCULAR SYSTEM, metabolism/ EYE, metabolism/ FATTY ACIDS, ESSENTIAL, metabolism/ FEMALE/ GASTROINTESTINAL SYSTEM, metabolism/ HUMAN/ INDOMETHACIN, pharmacodynamics/ KIDNEY, metabolism/ LUNG, metabolism/ MALE/ OVARY, metabolism/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ SEMEN/ SKIN, metabolism/ UTERUS, metabolism

1589. **Hirano M, Morita A, Sako F, et al:** [Quadruple combination chemotherapy of acute leukemia using daunomycin, cytosine arabinoside, 6-mercaptopurine riboside and prednisolone]
Jap J Clin Hematol 13:951-7, Dec 72 (Jap)
ACUTE DISEASE/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ *CYTARABINE, administration & dosage/ CYTARABINE, therapeutic use/ *DAUNOMYCIN, administration & dosage/ DAUNOMYCIN, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LEUKEMIA, drug therapy/ *MERCAPTOPURINE, administration & dosage/ MERCAPTOPURINE, therapeutic use/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use

1590. **Hirvonen E:** Ehkäisytablettien aiheuttama amenorrea.

ADOLESCENCE/ ADULT/ *AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ HUMAN/ OVULATION, drug effects/ PREGNANCY

1591. **Hiscock RR:** Radiologic health considerations in pediatric nuclear medicine.
Radiol Technol 44:312-6, Mar-Apr 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ RADIATION EFFECTS/ *RADIATION PROTECTION/ RADIOISOTOPE SCANNING/ *RADIOISOTOPES, diagnostic use/ THYROID GLAND, radiation effects

1592. **Hitier Y, Terroine T:** Activité de la DNase acide testiculaire chez le cobaye carencé en pyridoxine.
Ann Nutr Aliment 26:179-87, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ *DEOXYRIBONUCLEASE, metabolism/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ LYSOSOMES, enzymology/ LYSOSOMES, metabolism/ MALE/ MEMBRANES, metabolism/ PYRIDOXINE DEFICIENCY, enzymology/ *PYRIDOXINE DEFICIENCY, metabolism/ SPERMATOGENESIS/ *TESTIS, enzymology/ TESTIS, metabolism

1593. **Hitt JC, Bryon DM, Modianos DT:** Effects of rostral medial forebrain bundle and olfactory tubercle lesions upon sexual behavior of male rats.
J Comp Physiol Psychol 82:30-6, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ COITUS/ EJACULATION/ GENITALIA, MALE, anatomy & histology/ *HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/

ORGAN WEIGHT/ RATS/ *SEX BEHAVIOR, ANIMAL/ STEREOTAXIC TECHNICS

1594. **Hoa GH, Douzou P:** Stopped flow method at subzero temperatures. Anal Biochem 51:127-36, Jan 73
ASCORBIC ACID/ *BIOCHEMISTRY, instrumentation/ CHEMISTRY/ CHEMISTRY, instrumentation/ CHLORINE/ COLD/ ENZYMES/ IODINE/ *KINETICS/ METHODS/ PHENOLS/ THIOSULFATES

1595. **Hochereau-de Reviers MT, Pelletier J, Reviers MM de:** Effect of hemicastration on young and adult male rats.
J Reprod Fertil 31:519-20, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CASTRATION/ HYPERTROPHY/ MALE/ RATS/ TESTIS, growth & development/ TESTIS, physiology

1596. **Hodgins MB, Hay JB:** The metabolism of androgens in rat preputial glands. Steroids 21:307-22, Feb 73
*ANDROGENS, metabolism/ ANDROSTANES, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ DEHYDROEPIANDROSTERONE, metabolism/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ IN VITRO/ MALE/ *PENIS, anatomy & histology/ RATS/ *SEBACEOUS GLANDS, metabolism/ SKIN, metabolism/ STEROIDS, isolation & purification/ TESTOSTERONE, metabolism/ TRITIUM

1597. **Hoff HG, Schriefers H:** Sexuelle Prägung der intrazellulären Verteilung, der Coenzym- und Substratabhängigkeit der 3 - und 3 -Hydroxysteroid-Dehydrogenase-Aktivitäten in de Ratenleber.
Hoppe Seylers Z Physiol Chem 353:1527-8, Oct 7 (Ger
AGE FACTORS/ ANDROSTANES/ ANIMAL EXPERIMENTS/ CYTOSOL, enzymology/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ *LIVER, enzymology/ MALE/ MICROSOMES, LIVER, enzymology/ NAD/

1598. **Hoffbrand BI, Forsyth RP:** Regional blood flow change during norepinephrine, tyramine and methoxamin infusions in the unanesthetized rhesus monkey
J Pharmacol Exp Ther 184:656-61, Mar 73
ADIPOSE TISSUE, blood supply/ ANIMAL EXPERIMENTS/ BONE AND BONES, blood supply/ *CARDIAC OUTPUT, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ CEREBROVASCULAR CIRCULATION, drug effects/ CHROMIUM ISOTOPES/ GASTROINTESTINAL SYSTEM, blood supply/ HEART RATE, drug effects/ IODINE ISOTOPES/ LIVER CIRCULATION, drug effects/ MACACA/ MALE/ *METHOXAMINE, pharmacodynamics/ MONKEYS/ *NOREPINEPHRINE, pharmacodynamics/ RADIOISOTOPES/ REGIONAL BLOOD FLOW, drug effects/ SCANDIUM/ SKIN, blood supply/ STRONTIUM ISOTOPES/ *TYRAMINE, pharmacodynamics/ *VASCULAR RESISTANCE, drug effects

1599. **Hoffer AP, Hamilton DW, Fawcett DW:** The ultrastructural pathology of the rat epididymis afte administration of -chlorhydrin (U-5897). I. Effects of single high dose. Anat Rec 175:203-29, Feb 7
ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ CHLORINE/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ *EPIDIDYMIS, drug effects/ EPIDIDYMIS, pathology/ EPITHELIUM, pathology/ MALE/ MICROSCOPY, ELECTRON/ *PROPANEDIOLS PROPANEDIOLS, administration & dosage/ RATS/ RIBOSOMES, drug effects/ SPERMATOZOA/ *STERILITY, MALE, chemically induced/ TESTICULAR DISEASES, chemically induced/ TESTICULAR DISEASES, pathology/ TIME FACTORS

the pathway from locus coeruleus to rat cerebellu Purkinje neurons: pharmacological evidence of noradrenergic central inhibition.
J Pharmacol Exp Ther 184:553-69, Mar 73
ACTION POTENTIALS/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CEREBRAL VENTRICLES, anatomy & histology/ *CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, pharmacodynamics/ IONTOPHORESIS/ MEMBRANE POTENTIALS/ METHYLTYROSINES, pharmacodynamics/ NEURONS, physiology/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ *PURKINJE CELLS, physiology/ RATS/ RESERPINE, pharmacodynamics

01. **Höffken K, Hornung G, Bruntsch U, et al:** Zur Therapie der Lymphogranulomatose des Magens.
Dtsch Med Wochenschr 98:148-52, 26 Jan 73 (Ger)
ADULT/ CYCLOPHOSPHAMIDE, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, administration & dosage/ PROCARBAZINE, administration & dosage/ RADIOISOTOPE SCANNING/ STOMACH NEOPLASMS, diagnosis/ *STOMACH NEOPLASMS, drug therapy/ URACIL MUSTARD, administration & dosage/ VINCRISTINE, administration & dosage

02. **Hoffman DC, Fajer AB:** Free and esterified cholesterol concentrations in the hamster ovary during the oestrous cycle, pregnancy and lactation.
J Reprod Fertil 32:267-75, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, analysis/ ESTERS, analysis/ *ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE, analysis/ HAMSTERS/ *LACTATION/ ORGAN WEIGHT/ *OVARY, analysis/ OVULATION, drug effects/ PHENOBARBITAL, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ SPECTROPHOTOMETRY

03. **Hoffmann JC:** Effects of photoperiod and age on reproductive organs and serum LH in the male rat.
Am J Physiol 224:245-7, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *GENITALIA, MALE, physiology/ *LH, blood/ *LIGHT/ MALE/ ORGAN WEIGHT/ PHOTIC STIMULATION/ PINEAL BODY, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ PROSTATE, physiology/ RADIOIMMUNOASSAY/ RATS/ SEMINAL VESICLES, physiology/ TESTIS, physiology

04. **Hoffmann K:** Toxicological investigations on the tolerability of nifurtimox.
Arzneim Forsch 22:1590-603, Sep 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ CHICKENS/ CYCLIC S-OXIDES, toxicity/ DOGS/ FEMALE/ FERTILITY, drug effects/ LETHAL DOSE 50/ MALE/ MICE/ NITROFURANS, administration & dosage/ *NITROFURANS, toxicity/ ORGAN WEIGHT/ RABBITS/ RATS/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ TIME FACTORS/ *TRIAZINES, toxicity

05. **Hoffmann PC, Toon R, Kleinman J, et al:** The association of lesion-induced reductions in brain monoamines with alterations in striatal carbohydrate metabolism. J Neurochem 20:69-80, Jan 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ BRAIN, anatomy & histology/ *BRAIN CHEMISTRY/ *CARBOHYDRATES, metabolism/ CAUDATE NUCLEUS, metabolism/ CORPUS STRIATUM, metabolism/ *DIENCEPHALON, metabolism/ DOPAMINE, metabolism/ *GANGLIA, BASAL, metabolism/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ LACTATES, biosynthesis/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ TELENCEPHALON, metabolism

1606. **Hofmann N:** Bericht über den VII. Weltkongress der Fertilität und Sterilität in Tokio und Kyoto.
Hautarzt 23:324-6, Jul 72 (Ger)
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ CATTLE/ CHROMOSOME MAPPING/ *CONGRESSES/ DNA, analysis/ FEMALE/ FERTILITY/ GONADOTROPINS, therapeutic use/ HUMAN/ HYPOGONADISM, drug therapy/ HYPOTHALAMUS, secretion/ INSEMINATION, ARTIFICIAL/ JAPAN/ MALE/ PREGNANCY/ *REPRODUCTION/ SPERMATOGENESIS/ SPERMATOZOA, analysis/ SPERMATOZOA, immunology/ STERILITY, MALE

1607. **Höhling HJ, Steffens H, Heuck F:** Untersuchungen zur Mineralisierungsdichte im Hartgewebe mit Protein-Polysaccharid bzw. mit Kollagen als Hauptbestandteil der Matrix. Elektronenmikroskopie und Elektronenstrahl-Mikroanalyse am Dentin und Osteopetrose-Knochen.
Z Zellforsch Mikrosk Anat 134:283-96, 1972 (Ger)
ADULT/ BONE AND BONES, analysis/ *CALCIUM PHOSPHATES/ COLLAGEN/ CRYSTALLIZATION/ DENSITOMETRY/ *DENTIN, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ *OSTEOPETROSIS, metabolism/ PHOSPHOTUNGSTIC ACID/ POLYSACCHARIDES/ PROTEINS/ STAINS AND STAINING

1608. **Hoi-Sen Y, Dhaliwal SS, Kok-Leng T:** Chromosomal studies of three Malayan island rats.
Cytologia (Tokyo) 37:507-11, Sep 72
ANIMAL EXPERIMENTS/ BORNEO/ *CHROMOSOMES/ FEMALE/ KARYOTYPING/ MALE/ *RATS/ SEX CHROMOSOMES

1609. **Holden MP, Wooler GH, Ionescu MI:** Massive retrosternal goitre presenting with hypertension.
Thorax 27:772-4, Nov 72
ADULT/ BLOOD PRESSURE/ DYSPNEA, etiology/ EXERTION/ FEMALE/ *GOITER, NODULAR, complications/ GOITER, NODULAR, surgery/ HUMAN/ *HYPERTENSION, etiology

1610. **Hollander CF:** Cardiac allograft pathology in Rhesus monkeys. Am J Phys Anthropol 38:431-3, Mar 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ ARTERIOSCLEROSIS, pathology/ AZATHIOPRINE, therapeutic use/ CORONARY DISEASE, pathology/ CORONARY VESSELS, pathology/ GRAFT REJECTION, drug effects/ *HEART, transplantation/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *MACACA/ MACROPHAGES, immunology/ MONKEYS/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

1611. **Hollinger MA, Hwang F:** Effect of glucose on the synthesis of testicular proteins separated by disc electrophoresis.
Biochim Biophys Acta 281:652-7, 9 Nov 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *GLUCOSE, pharmacodynamics/ LYSINE, metabolism/ MALE/ *PROTEINS, biosynthesis/ RATS/ SODIUM/ SODIUM CHLORIDE/ SULFURIC ACIDS/ SURFACE-ACTIVE AGENTS/ TESTIS, drug effects/ *TESTIS, metabolism/ TRITIUM

1612. **Hollingsworth DR, Archer R:** Massive virginal breast hypertrophy at puberty.
Am J Dis Child 125:293-5, Feb 73
ADOLESCENCE/ ARGININE, diagnostic use/ BREAST, pathology/ BREAST DISEASES, complications/ *BREAST DISEASES, etiology/ BREAST DISEASES, pathology/ FEMALE/ FSH, blood/ *HEAD INJURIES, complications/

HUMAN/ HYPERTROPHY/ HYPERTROPHY, pathology/ HYPOTHYROIDISM, complications/ LH, blood/ MASTECTOMY/ PROSTHESIS/ PROTEIN-BOUND IODINE TEST/ *PUBERTY/ RECURRENCE/ SOMATOTROPIN, blood/ THYROTROPIN, blood

1613. **Holimén A, Jägerhorn M:** Does increased maternal Pa CO2 during general anaesthesia for caesarean section improve foetal acid-base parameters? Comparison of patients with normal and suspected pathological uteroplacental circulation.
Acta Anaesthesiol Scand 16:221-9, 1972
*ACID-BASE EQUILIBRIUM/ ACIDOSIS, RESPIRATORY, etiology/ ADULT/ ANESTHESIA, INTRAVENOUS/ BLOOD/ *CARBON DIOXIDE, blood/ CESAREAN SECTION/ FEMALE/ FETUS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INFANT, NEWBORN/ *MATERNAL-FETAL EXCHANGE/ NITROUS OXIDE/ PARTIAL PRESSURE/ PLACENTA DISORDERS/ PREGNANCY/ SUCCINYLCHOLINE/ THIOPENTAL

1614. **Holmberg L, Nilsson IM:** Two genetic variants of von Willebrand's disease.
N Engl J Med 288:595-8, 22 Mar 73
ADULT/ ANTIGEN-ANTIBODY COMPLEX/ BLOOD COAGULATION TESTS/ BLOOD PROTEINS, analysis/ CHILD, PRESCHOOL/ FACTOR VIII/ FEMALE/ GENES, DOMINANT/ HEMOPHILIA, familial & genetic/ HEMOPHILIA, immunology/ HUMAN/ IMMUNE SERUMS/ MALE/ PLATELET ADHESIVENESS/ RABBITS, immunology/ SEX CHROMOSOMES/ VON WILLEBRAND'S DISEASE, blood/ VON WILLEBRAND'S DISEASE, classification/ *VON WILLEBRAND'S DISEASE, familial & genetic/ VON WILLEBRAND'S DISEASE, immunology

1615. **Holmes AM ENOCH BA, Taylor JL, Jones ME:** Occult rickets and osteomalacia amongst the Asian immigrant population. Q J Med 42:125-49, Jan 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ALKALINE PHOSPHATASE, blood/ ASIA/ CALCIUM, metabolism/ CALCIUM, DIETARY/ CHILD/ CHILD, PRESCHOOL/ CREATININE, urine/ DIET/ EMIGRATION AND IMMIGRATION/ FEMALE/ GREAT BRITAIN/ HUMAN/ MALE/ OSTEOMALACIA, drug therapy/ *OSTEOMALACIA, occurrence/ PHOSPHORUS, blood/ PREGNANCY/ RACIAL STOCKS/ RICKETS, drug therapy/ *RICKETS, occurrence/ VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, occurrence

1616. **Holness DE:** Effects of age and cold exposure on the size and functional activity of parathyroid glands of rats. Int J Biometeorol 16:277-81, Aug 72
*AGING/ ANIMAL EXPERIMENTS/ *COLD/ ENVIRONMENTAL EXPOSURE/ MALE/ *PARATHYROID GLANDS, physiology/ RATS

1617. **Holst PJ, Mattner PE, Braden AW:** The effect of handling the reproductive tract on tubal transport in the ewe. J Reprod Fertil 32:313-4, Feb 73
ANIMAL EXPERIMENTS/ CAUTERY/ *FALLOPIAN TUBES, physiology/ FEMALE/ *OVARY, physiology/ OVULATION/ OVUM, physiology/ SHEEP/ TIME FACTORS/ *UTERUS, physiology

1618. **Holstein P, Jacobsen K, Pedersen JF, et al:** Intravesical hydrostatic pressure treatment: new method for control of bleeding from the bladder mucosa.
J Urol 109:234-6, Feb 73
AGED/ *BLADDER/ BLADDER DISEASES, etiology/ *BLADDER DISEASES, therapy/ BLADDER NEOPLASMS, complications/ BREAST NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HEMATURIA, etiology/ HEMORRHAGE, etiology/ *HEMORRHAGE, therapy/ HEMOSTASIS/ HUMAN/ HYDROSTATIC PRESSURE/ MALE/ METHODS/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ *PRESSURE/ TIME FACTORS

1619. **Holzbauer M, Birmingham MK, Nicola A de, et al:** Steroid secretion by rat adrenal glands during the first week following adrenal enucleation.
J Steroid Biochem 3:767-72, Sep 72
*ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ *DESOXYCORTICOSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, blood/ MALE/ PREGNENOLONE, secretion/ PROGESTERONE, secretion/ RATS/ *REGENERATION/ SODIUM, metabolism/ TIME FACTORS

1620. **Holzmann H, Morsches B, Krapp R, et al:** Posible interpretación del psoriasis como déficit en dehidroepiandrosterona.
Actas Dermosifiliogr 63:1-16, Jan-Feb 73 (90 ref.) (Spa
CHOLESTEROL, biosynthesis/ CHOLESTEROL, metabolism/ *DEHYDROEPIANDROSTERONE/ DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ FATTY ACIDS, biosynthesis/ FATTY ACIDS, metabolism/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ MALE/ *METABOLIC DISEASES, complications/ NADP, metabolism/ NUCLEIC ACIDS, biosynthesis/ NUCLEIC ACIDS, metabolism/ PENTOSEPHOSPHATES, metabolism/ PENTOSES, metabolism/ *PSORIASIS, etiology/ PSORIASIS, metabolism/ REVIEW/ RIBOSE, metabolism/ SULFHYDRYL COMPOUNDS, metabolism/ TETRAHYDROFOLATES, biosynthesis

1621. **Holzmann K:** Störungen des menstruellen Zyklus Diagnose und Therapie.
Med Klin 68:65-73, 19 Jan 73 (22 ref.) (Ger
ADRENAL GLAND NEOPLASMS, complications/ ADRENOGENITAL SYNDROME, complications/ AMENORRHEA, diagnosis/ BODY TEMPERATURE/ CLOMIPHENE, therapeutic use/ CUSHING'S SYNDROME, complications/ FEMALE/ GONADOTROPINS, therapeutic use/ HUMAN/ HYPOPITUITARISM, complications/ HYPOTHYROIDISM, complications/ *MENSTRUATION DISORDERS/ MENSTRUATION DISORDERS, diagnosis/ MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, etiology/ OVARIAN DISEASES, complications/ OVARIAN NEOPLASMS, complications/ OVULATION/ REVIEW/ STEIN-LEVENTHAL SYNDROME, complications

1622. **Holzmann K:** Menstruationsverschiebung vor zahnärztlich-chirurgischen Eingriffen.
Munch Med Wochenschr 115:123-4, 26 Jan 73 (Ger
BLOOD COAGULATION DISORDERS, complications/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *MENSTRUATION/ *SURGERY, OPERATIVE/ *SURGERY, ORAL/ TIME FACTORS

1623. **Homsy CA, Kent JN, Hinds EC:** Materials for ora implantation--biological and functional criteria.
J Am Dent Assoc 86:817-32, Apr 73 (71 ref.)
ANIMAL EXPERIMENTS/ *BIOCOMPATIBLE MATERIALS/ BONE AND BONES/ CERAMICS/ CHROMIUM-COBALT ALLOYS/ DENTAL ALLOYS/ DENTAL AMALGAM/ *DENTAL IMPLANTATION/ *DENTAL MATERIALS/ DOGS/ FOREIGN BODY REACTION/ GOLD ALLOYS/ HIP JOINT/ HUMAN/ JOINT PROSTHESIS/ MAXILLOFACIAL INJURIES/ METHYLMETHACRYLATE/ PLATINUM/ POLYMERS/ PROSTHESIS/ RABBITS/ REVIEW/ SURGERY, ORAL/ TEMPOROMANDIBULAR JOINT

1624. **Honig CR, Reddy YS:** Effect of catecholamine analog on control of actomyosin by native tropomyosin an calcium: the nature of the negative inotropic

receptor. J Pharmacol Exp Ther 184:330-8, Feb 73
*ACTOMYOSIN, physiology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CALCIUM, administration & dosage/ *CALCIUM, physiology/ CALCIUM ISOTOPES/ *CATECHOLAMINES, pharmacodynamics/ CHLORINE, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MUSCLE CONTRACTION, drug effects/ MUSCLE PROTEINS, analysis/ MYOCARDIUM, analysis/ MYOCARDIUM, enzymology/ PROTEIN BINDING/ *RECEPTORS, DRUG, drug effects/ TIME FACTORS/ TROPOMYOSIN, isolation & purification/ TROPOMYOSIN, physiology

1625. **Honnebier WJ:** Stimulatie van foetale hijnieren tijdens de zwangerschap.
Ned Tijdschr Geneeskd 116:1962-3, 21 Oct 72 (Dut)
*ADRENAL GLANDS, drug effects/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ FETUS, drug effects/ HUMAN/ *PREGNANCY

1626. **Hooley JR, Bradley PB, Haines M:** Plasma cortisol levels following short term betamethasone therapy for oral surgical procedures.
Trans Congr Int Assoc Oral Surg 4:188-90, 1973
BETAMETHASONE, therapeutic use/ HYDROCORTISONE, blood/ SPECIAL LIST DENTAL/ SURGERY, ORAL

1627. **Hoppe PC, Whitten WK:** Pregnancy block: initation by administered gonadotropin.
Biol Reprod 7:254-9, Oct 72
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ FEMALE/ *FERTILITY, drug effects/ FSH, administration & dosage/ *FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ GONADOTROPINS, EQUINE, pharmacodynamics/ LH, administration & dosage/ *LH, pharmacodynamics/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ NIDATION, drug effects/ ORGAN WEIGHT/ PREGNANCY/ RATS/ TIME FACTORS/ UTERUS, drug effects

1628. **Hor G, Kriegel H, Schramm E:** Biologisches Verhalten von Radioindium (113m In, 114m In) bei virginellen und graviden Ratten.
Int J Appl Radiat Isot 23:595-602, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ INDIUM, administration & dosage/ INDIUM, blood/ *INDIUM, metabolism/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, metabolism/ LIVER, metabolism/ *PREGNANCY, ANIMAL/ RADIOISOTOPES, administration & dosage/ RADIOISOTOPES, blood/ *RADIOISOTOPES, metabolism/ RATS/ SPLEEN, metabolism

1629. **Horbach JG, Maathuis JB, Hall EV van:** Factors influencing the pregnancy rate following hysterosalpingography and their prognostic significance. Fertil Steril 24:15-8, Jan 73
AGE FACTORS/ FALLOPIAN TUBES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYSTEROSALPINGOGRAPHY/ OVARIAN DISEASES, complications/ PREGNANCY/ PROGNOSIS/ SPERMATOZOA/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, therapy

1630. **Horiguti S, Yamada K:** Nasopharyngeal stimulation and its effects on the plasma 11-OHCS levels.
Bull Tokyo Med Dent Univ 19:333-59, Dec 72
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HAY FEVER, blood/ HAY FEVER, drug therapy/ HAY FEVER, etiology/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ MIDDLE AGE/ *NASOPHARYNX, physiology/ PHARYNGITIS, blood/ PHARYNGITIS, complications/ PHARYNGITIS, drug therapy/ PHYSICAL STIMULATION/ RHEUMATISM, blood/ RHEUMATISM, drug therapy/ RHEUMATISM, etiology

1631. **Hornemann B, Osler M:** Medroksyprogesteronacetat som kontraception.
Ugeskr Laeger 135:289-94, 5 Feb 73 (Dan)
ADULT/ AMENORRHEA, chemically induced/ *CONTRACEPTIVE AGENTS, administration & dosage/ DYSMENORRHEA, chemically induced/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ METRORRHAGIA, chemically induced/ PREGNANEDIOL, urine/ TIME FACTORS

1632. **Horsch W, Kühn H:** Zur thermischen und Lagerstabilität öliger Desoxycorticosteronacetatlösungen.
Pharmazie 28:135-6, Feb 73 (Ger)
*DESOXYCORTICOSTERONE/ DRUG STABILITY/ DRUG STORAGE/ HEAT/ OILS/ SOLUTIONS/ STERILIZATION/ TIME FACTORS

1633. **Horwitz BA:** Ouabain-sensitive component of brown fat thermogenesis. Am J Physiol 224:352-5, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ *BROWN FAT, metabolism/ DEPRESSION, CHEMICAL/ HAMSTERS/ IN VITRO/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *OUABAIN, pharmacodynamics/ OXYGEN CONSUMPTION/ PALMITIC ACID, pharmacodynamics/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics

1634. **Höschl R, Gimlette TM:** A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the triiodothyronine suppression test.
Nucl Med (Stuttg) 11:317-23, 30 Dec 72
EXOPHTHALMOS, diagnosis/ FACTOR ANALYSIS, STATISTICAL/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *IODINE ISOTOPES, DIAGNOSTIC, metabolism/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, administration & dosage

1635. **Höschl R, Gimlette TM:** A comparison of serum thyroxine (T 4 (D)), RT 3 U ratio and T 4 -RT 3 index with radioiodine uptake in the TSH stimulation test.
Nucl Med (Stuttg) 11:324-32, 30 Dec 72
HUMAN/ HYPOTHYROIDISM, diagnosis/ *IODINE ISOTOPES, DIAGNOSTIC, metabolism/ STIMULATION, CHEMICAL/ *THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, administration & dosage/ *THYROXINE, blood/ TIME FACTORS

1636. **Hoskins DD:** Adenine nucleotide mediation of fructolysis and motility in bovine epididymal spermatozoa. J Biol Chem 248:1135-40, 25 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CARBON ISOTOPES/ CATTLE/ CELL MOVEMENT/ EPIDIDYMIS/ *FRUCTOSE, metabolism/ GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCOLYSIS/ IN VITRO/ KINETICS/

LACTATES, metabolism/ MALE/ MICROSCOPY, PHASE CONTRAST/ NUCLEOTIDES, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *SPERMATOZOA/ SPERMATOZOA, drug effects/ SPERMATOZOA, enzymology/ SPERMATOZOA, metabolism/ THEOPHYLLINE, pharmacodynamics

1637. **Hosoda S:** [Heart failure caused by sclerotic coronary diseases and hypertension and its management] Jap J Clin Med 30:2082-90, Oct 72 (8 ref.) (Jap)
ANGINA PECTORIS, complications/ ANGINA PECTORIS, physiopathology/ ARRHYTHMIA, complications/ CHRONIC DISEASE/ *CORONARY DISEASE, complications/ DIGITALIS GLYCOSIDES, therapeutic use/ DIURETICS, therapeutic use/ ELECTROCARDIOGRAPHY/ GLUCAGON, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HEART FAILURE, CONGESTIVE, drug therapy/ *HEART FAILURE, CONGESTIVE, etiology/ HEART FAILURE, CONGESTIVE, radiography/ HEART FAILURE, CONGESTIVE, therapy/ HUMAN/ *HYPERTENSION, complications/ MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, surgery/ REVIEW

1638. **Hosokawa T:** [Functioning tumor of the ovary] Clin Endocrinol (Tokyo) 20:897-9, Oct 72 (Jap)
ANDROGENS, secretion/ ARRHENOBLASTOMA, metabolism/ ESTROGENS, secretion/ FEMALE/ GRANULOSA CELL TUMOR, metabolism/ GYNANDROBLASTOMA, metabolism/ HUMAN/ LEYDIG CELL TUMOR, metabolism/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *OVARIAN NEOPLASMS, metabolism/ STRUMA OVARII, metabolism/ TERATOID TUMOR, metabolism/ THECA CELL TUMOR, metabolism

1639. **Hotta Y, Benzer S:** Mapping of behaviour in Drosophila mosaics. Nature (Lond) 240:527-35, 29 Dec 72
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *CHROMOSOME MAPPING/ *DROSOPHILA/ DROSOPHILA, anatomy & histology/ DROSOPHILA, embryology/ DROSOPHILA, growth & development/ FEMALE/ GENES, DOMINANT/ GENES, LETHAL/ GENES, RECESSIVE/ *GENETICS, BEHAVIORAL/ GENOTYPE/ GERM LAYERS/ HYPERKINESIS, familial & genetic/ MALE/ METAMORPHOSIS, BIOLOGICAL/ MODELS, BIOLOGICAL/ *MOSAICISM/ MOTOR ACTIVITY/ MUTATION/ PROBABILITY/ SEX CHROMOSOMES/ WING, anatomy & histology/ WING, physiology

1640. **Hough JE:** Pelvic pneumography: procedure and technique. Radiol Technol 44:231-45, Jan-Feb 73
ADULT/ FEMALE/ *GYNECOLOGIC DISEASES, radiography/ HUMAN/ METHODS/ *PELVIS, radiography/ *PNEUMOPERITONEUM, ARTIFICIAL/ STEIN-LEVENTHAL SYNDROME, radiography

1641. **Hougie C:** Thromboembolism and oral contraceptives. Am Heart J 85:538-45, Apr 73 (35 ref.)
BLOOD COAGULATION, drug effects/ BLOOD VESSELS, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ PREGNANCY/ PROGESTATIONAL HORMONES, adverse effects/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ REVIEW/ *THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, occurrence/ THROMBOEMBOLISM, pathology

1642. **Hourdry J:** Dosage de l'activité phosphatasique acide totale d'homogénats intestinaux chez des larves de Discoglossus pictus Otth traitées par la thyroxine. C R Acad Sci [D] (Paris) 275:2937-40, 18 Dec 72 (Fre)
*ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ INTESTINES, embryology/ *INTESTINES, enzymology/ LARVA, drug effects/ *THYROXINE, pharmacodynamics/ TOADS, embryology/ *TOADS, enzymology

1643. **Howell SL, Ewart RB:** Synthesis and secretion of growth hormone in the rat anterior pituitary. II Properties of the isolated growth hormone storage granules. J Cell Sci 12:23-35, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics *CYTOPLASMIC GRANULES/ CYTOPLASMIC GRANULES, drug effects/ EDTA, pharmacodynamics/ ETHERS, pharmacodynamics/ GOLGI APPARATUS/ HYDROGEN-ION CONCENTRATION/ IMIDES, pharmacodynamics/ IODINE ISOTOPES/ MAGNESIUM, pharmacodynamics/ MICROSCOPY, ELECTRON/ OUABAIN, pharmacodynamics/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, metabolism/ PROTEIN BINDING/ RATS/ *SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ TEMPERATURE/ TIME FACTORS/ TYRAMINE, pharmacodynamics

1644. **Howell SL, Whitfield M:** Synthesis and secretion of growth hormone in the rat anterior pituitary. I. The intracellular pathway, its time course and energy requirements. J Cell Sci 12:1-21, Jan 73
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ANTIMYCIN A, pharmacodynamics/ AUTORADIOGRAPHY/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ENDOPLASMIC RETICULUM, metabolism/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, ELECTRON/ OUABAIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, metabolism/ RATS/ *SOMATOTROPIN, biosynthesis/ TIME FACTORS/ TRITIUM

1645. **Howlett CR:** Inherited degenerative arthropathy of the hip in young beef bulls. Aust Vet J 48:562-3, Oct
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, familial & genetic/ GENES/ *HIP JOINT/ MALE/ OSTEOARTHRITIS, familial & genetic/ *OSTEOARTHRITIS, veterinary/ PEDIGREE/ SEX CHROMOSOMES

1646. **Hrapchak RJ, Rasmussen H:** Characterization of the forms of beef heart cyclic nucleotide phosphodiesterase.
Biochemistry 11:4458-65, 21 Nov 72
ADENOSINE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMINOHYDROLASES/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ KINETICS/ MOLECULAR WEIGHT/ *MYOCARDIUM, enzymology/ NUCLEOTIDASES/ NUCLEOTIDES/ *PHOSPHODIESTERASES/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, isolation & purification/ PRECIPITATION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ THEOPHYLLINE/ TRITIUM/ ULTRACENTRIFUGATION

1647. **Hromadová M, Macho L, Alexandrová M, et al:** The effect of premature weaning on the response of the adrenals to stress and ACTH.
Physiol Bohemoslov 21:329-35, 1972
*ADRENAL GLANDS, physiology/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, secretion/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM,

physiology/ MALE/ RATS/ *STRESS/ TIME FACTORS/ *WEANING

1648. **Hruban Z, Wong TW, Hopkins E:** Chlorcyclizine-induced changes in the ovaries and the uterus of rats. J Reprod Fertil 31:463-7, Dec 72
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BODY WEIGHT/ CHLORCYCLIZINE, pharmacodynamics/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, drug effects/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FEMALE/ LIPIDS/ MEMBRANES/ MUCOUS MEMBRANE, drug effects/ ORGAN WEIGHT/ *OVARY, drug effects/ *PIPERAZINES, pharmacodynamics/ RATS/ *UTERUS, drug effects

1649. **Hrubesch M, Grote G, Böckel K, et al:** Hypophysen Schilddrüsen Regulation bei blader Struma: Erfahrungen mit dem Thyreotropin Releasing Hormon Kurztest. Med Welt 23:1810-2, 25 Nov 72 (Ger)
*GOITER, diagnosis/ HUMAN/ *PITUITARY GLAND, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN RELEASING FACTOR, diagnostic use

1650. **Hsueh HW, Moskowitz M:** A growth factor for animal cells derived from peptone. II. Effect of the growth factor on cellular metabolism.
Exp Cell Res 77:383-90, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ CARBON ISOTOPES/ *CELL DIVISION, drug effects/ CELL MEMBRANE, drug effects/ CULTURE MEDIA/ DNA, biosynthesis/ *GROWTH SUBSTANCES, pharmacodynamics/ L CELLS/ LEUCINE, metabolism/ MITOSIS, drug effects/ NUCLEOPROTEINS, biosynthesis/ *PEPTONES, analysis/ PROTEINS, analysis/ PROTEINS, biosynthesis/ RNA, biosynthesis/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

1651. **Huang K:** Evaluation of serum FSH and LH in various infertile women treated with clomiphene citrate.
Endocrinol Jap 19:501-7, Oct 72
ADULT/ AMENORRHEA/ AMENORRHEA, drug therapy/ BODY TEMPERATURE/ *CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ OVULATION, drug effects/ RADIOIMMUNOASSAY/ *STERILITY, FEMALE, blood/ STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

1652. **Hübbe P:** The prophylactic treatment of migraine with an antiserotonin pizotifen.
Acta Neurol Scand 49:108-14, 1973
ADOLESCENCE/ ADULT/ CLINICAL RESEARCH/ CYCLOHEPTANES, administration & dosage/ CYCLOHEPTANES, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MIGRAINE, drug therapy/ MIGRAINE, prevention & control/ PIPERIDINES, administration & dosage/ PIPERIDINES, therapeutic use/ PROCHLORPERAZINE, administration & dosage/ *PROCHLORPERAZINE, therapeutic use/ SEROTONIN, antagonists & inhibitors/ THIOPHENES, administration & dosage/ *THIOPHENES, therapeutic use

1653. **Hubbert WT, Stalheim OH, Booth GD:** Changes in organ weights and fluid volumes during growth of the bovine fetus. Growth 36:217-33, Sep 72
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BLADDER, analysis/ BODY HEIGHT/ BODY WEIGHT/ BRAIN, anatomy & histology/ CATTLE/ *CATTLE, growth & development/ FETUS, anatomy & histology/ FETUS, growth & development/ GESTATIONAL AGE/ HEART, anatomy & histology/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ LUNG, anatomy & histology/ ORGAN WEIGHT/ PANCREAS, anatomy & histology/ SPLEEN, anatomy & histology/ STOMACH, analysis/ THYMUS GLAND, anatomy & histology/ THYROID GLAND, anatomy & histology/ URINE, analysis

1654. **Hudson RE:** Pathology of cardiomyopathy.
Cardiovasc Clin 4:3-59, 1972
ADULT/ ARRHYTHMIA, etiology/ ARTERIOVENOUS FISTULA, complications/ ATAXIA, complications/ AUTOIMMUNE DISEASES, complications/ CHILD/ COLLAGEN DISEASES, complications/ CORONARY DISEASE, complications/ ENDOCARDIAL FIBROELASTOSIS, pathology/ ENDOCRINE DISEASES, complications/ ENDOMYOCARDIAL FIBROSIS, pathology/ HUMAN/ HYPERSENSITIVITY, complications/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, pathology/ INFANT/ METABOLISM, INBORN ERRORS, complications/ MYOCARDIAL DISEASES, PRIMARY, classification/ *MYOCARDIAL DISEASES, PRIMARY, pathology/ MYOCARDIAL DISEASES, SECONDARY, classification/ MYOCARDIAL DISEASES, SECONDARY, etiology/ *MYOCARDIAL DISEASES, SECONDARY, pathology/ MYOCARDITIS, pathology/ *MYOCARDIUM, pathology/ NUTRITION DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, pathology

1655. **Hüfner M, Hesch RD:** Radioimmunoassay for triiodothyronine in human serum.
Acta Endocrinol (Kbh) 72:464-74, Mar 73
ANTIBODIES/ BUFFERS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ION EXCHANGE/ MERCURY/ METHODS/ ORGANOMETALLIC COMPOUNDS/ *RADIOIMMUNOASSAY/ *TRIIODOTHYRONINE, blood

1656. **Hughes KL:** Brucellosis in veterinarians.
Aust Vet J 48:527-8, Sep 72
AGGLUTINATION TESTS/ *BRUCELLOSIS/ BRUCELLOSIS, diagnosis/ BRUCELLOSIS, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPERSENSITIVITY, drug therapy/ *OCCUPATIONAL DISEASES/ SKIN TESTS/ SULFAMETHOXAZOLE, therapeutic use/ TETRACYCLINE, therapeutic use/ TRIMETHOPRIM, therapeutic use/ *VETERINARY MEDICINE

1657. **Hughes MJ, Coret IA:** On specificity of histamine receptors in the heart.
Am J Physiol 223:1257-62, Nov 72
ANIMAL EXPERIMENTS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ HEART RATE, drug effects/ *HISTAMINE, pharmacodynamics/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MYOCARDIUM/ PROMETHAZINE, pharmacodynamics/ RABBITS/ *RECEPTORS, DRUG, drug effects/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics

1658. **Hughes RN, Syme LA:** The role of social isolation and sex in determining effects of chlordiazepoxide and methylphenidate on exploratory behaviour.
Psychopharmacologia 27:359-66, 1972
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ *CHLORDIAZEPOXIDE, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ FEMALE/ MALE/ *METHYLPHENIDATE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ ORGAN WEIGHT/ RATS/ SEX FACTORS/ SOCIAL ISOLATION

1659. **Hulet CV:** Determining fetal numbers in pregnant ewes. J Anim Sci 36:325-30, Feb 73
AMNION, anatomy & histology/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ FEMALE/ FETAL HEART, physiology/ *FETUS/ FETUS, anatomy & histology/ GESTATIONAL AGE/ HEART

AUSCULTATION, veterinary/ LAPAROTOMY, veterinary/ PALPATION, veterinary/ PREGNANCY/ *PREGNANCY, MULTIPLE/ *SHEEP, physiology/ ULTRASONICS, diagnostic use/ UTERUS, anatomy & histology

1660. **Humbert G, Delaunay P, Leroy J, et al:** Accident vasculaire cérébral au cours d'un traitement par les gonadotrophines.
Nouv Presse Med 2:28-30, 6 Jan 73 (Fre)
ADULT/ BASILAR ARTERY, radiography/ BLOOD VISCOSITY, drug effects/ CASE REPORT/ *CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CONTRACEPTIVES, ORAL, adverse effects/ ENCEPHALOMALACIA, chemically induced/ ESTROGENS, urine/ FEMALE/ *FSH, adverse effects/ *GONADOTROPINS, CHORIONIC, adverse effects/ HUMAN/ NEUROLOGIC MANIFESTATIONS/ OVARY, drug effects/ QUADRIPLEGIA, etiology/ *STERILITY, FEMALE, drug therapy

1661. **Hunt WL, Nicholson N:** Studies on semen from rabbits injected with H 3 -thymidine and treated with prostaglandins E 2 and F 2 .
Fertil Steril 23:763-8, Oct 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CELL COUNT/ CELL MOVEMENT/ EJACULATION/ FERTILITY/ FERTILITY, drug effects/ HEART RATE, drug effects/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ METHODS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *SEMEN, drug effects/ SPERMATOGENESIS/ SPERMATOZOA, cytology/ SPERMATOZOA, drug effects/ *SPERMATOZOA, metabolism/ THYMIDINE/ *THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

1662. **Hunter RF:** Local action of progesterone leading to polyspermic fertilization in pigs.
J Reprod Fertil 31:433-44, Dec 72
ANIMAL EXPERIMENTS/ CELL DIVISION/ CELL MEMBRANE, drug effects/ CELL NUCLEUS/ EDEMA/ FALLOPIAN TUBES/ FEMALE/ *FERTILIZATION, drug effects/ INSEMINATION/ MICROSCOPY, PHASE CONTRAST/ OVULATION/ OVUM/ POLYPLOIDY/ *PROGESTERONE, pharmacodynamics/ SWINE/ TIME FACTORS/ VEHICLES

1663. **Hunter RH, Hall JP:** Oestrogens and progesterone in porcine peripheral plasma before and after induced ovulation. J Reprod Fertil 31:499-501, Dec 72
ANIMAL EXPERIMENTS/ *ESTROGENS, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ LH, pharmacodynamics/ *OVULATION/ *PROGESTERONE, blood/ *SWINE, physiology

1664. **Huntington KM:** Side effects of the pill.
Br Med J 1:233, 27 Jan 73
*CONTRACEPTIVES, ORAL, adverse effects/ DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ HEADACHE, chemically induced/ HUMAN/ LIBIDO, drug effects/ PROGESTATIONAL HORMONES, adverse effects

1665. **Huque H, Ashraf J:** Effect of gamma radiation on the ovaries of desert locust Schistocerca gregaria (Forskal). Int J Appl Radiat Isot 23:557-9, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ *GRASSHOPPERS, radiation effects/ *INSECT CONTROL/ *OVARY, radiation effects/ *RADIATION EFFECTS

1666. **Hurry DJ, Tovey JE, Robinson DA, et al:** Cystine aminopeptidase in normal and complicated pregnancies.
J Obstet Gynaecol Br Commonw 79:788-93, Sep 72
*AMINOPEPTIDASES, blood/ BIRTH WEIGHT/ BODY WEIGHT/ CYSTINE/ FEMALE/ FETAL DEATH/ HUMAN/ HYPERTENSION, enzymology/ LABOR/ PLACENTA, physiology/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, enzymology/ PREGNANCY IN DIABETES, enzymology/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS, blood/ PREGNANCY TOXEMIAS, enzymology/ PUERPERIUM/ TIME FACTORS

1667. **Husby G:** Kortikosteroider i reumtologisk praksis.
Tidsskr Nor Laegeforen 93:253-5, 10 Feb 73 (Nor)
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHILD/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRA-ARTICULAR/ *RHEUMATISM, drug therapy

1668. **Husmann F, Knick B, Pfannenstiel P:** Endokrinologische Funktionsdiagnostik in der Praxis. Z Allgemeinmed 48:1389-92, 31 Oct 72 (Ger)
*ENDOCRINE DISEASES, diagnosis/ FEMALE/ GONADS, physiopathology/ HUMAN/ MALE/ METHODS/ PANCREAS, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ THYROID GLAND FUNCTION TESTS

1669. **Hussa RO, Pattillo RA:** Effects of methotrexate on established cell lines of human choriocarcinoma.
Eur J Cancer 8:523-9, Oct 72
CELL LINE/ *CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, metabolism/ DEOXYURIDINE, metabolism/ DEPRESSION, CHEMICAL/ DNA, NEOPLASM, biosynthesis/ HUMAN/ *METHOTREXATE, therapeutic use/ NEOPLASM PROTEINS, biosynthesis/ TETRAHYDROFOLATE DEHYDROGENASE, antagonists & inhibitors/ THYMIDINE, metabolism

1670. **Hustin J, Fievez M, Fievez C:** Considerations sur les infiltrations plasmocytaires en pathologie orale.
Acta Stomatol Belg 69:467-76, 1972 (Fre)
AGRANULOCYTOSIS, complications/ ENDOCRINE DISEASES, complications/ HUMAN/ INFLAMMATION, complications/ MULTIPLE MYELOMA, complications/ *ORAL MANIFESTATIONS/ *PATHOLOGY, ORAL/ *PLASMA CELLS

1671. **Huston N:** Report on a new pregnancy test reagent--Pretel (Ames).
Med J Aust 2:1356-60, 9 Dec 72
ABORTION, urine/ CHORIOCARCINOMA, urine/ COMPARATIVE STUDY/ DRUG STORAGE/ DRUG THERAPY/ FALSE NEGATIVE REACTIONS/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ HYDATIDIFORM MOLE, urine/ *INDICATORS AND REAGENTS/ KETONES, urine/ PREGNANCY/ *PREGNANCY TESTS/ PROTEINURIA

1672. **Hüttenrauch R:** Chemische und physikalisch-chemische Faktoren für die Wirksamkeit von Steroiden.
Pharmazie 28:84-102, Feb 73 (122 ref.) (Ger)
ANABOLIC STEROIDS, pharmacodynamics/ ANDROGENS, pharmacodynamics/ BIOPHARMACEUTICS/ CHROMATOGRAPHY, PAPER/ ESTROGENS, pharmacodynamics/ ISOMERISM/ MOLECULAR CONFORMATION/ PROTEIN BINDING/ RECEPTORS, HORMONE/ REVIEW/ SOLUBILITY/ STEREOISOMERS/ STEROIDS, analysis/ *STEROIDS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ SURFACE PROPERTIES

1673. **Hynie S:** Thin-layer chromatography of cyclic 3',5'-guanosine monophosphate on tetraborate-impregnated silica gel layers.
J Chromatogr 76:270-1, 7 Feb 73
ANIMAL EXPERIMENTS/ BORIC ACIDS/ *CHROMATOGRAPHY, THIN LAYER/ GELS/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ GUANYL CYCLASE, isolation & purification/ RATS/ SILICA

AUTHOR SECTION

I

1674. **Ianniruberto A, Destro F, Cubesi G:** L'impiego diagnostico dei sonar nella patologia pelvica.
Ann Ostet Ginecol 93:473-90, Jul 72 **(Ita)**
ABSCESS, diagnosis/ ADENOCARCINOMA, diagnosis/ *BLADDER NEOPLASMS, diagnosis/ CARCINOMA, MUCINOUS, diagnosis/ CYSTADENOMA, diagnosis/ CYSTS, diagnosis/ DERMOID CYST, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GYNECOLOGIC DISEASES, diagnosis/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ LEIOMYOMA, diagnosis/ OVARIAN CYSTS, diagnosis/ *PELVIC NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

1675. **Iarukov L, Mirkov K, Despodova Ts:** Lechenie na endometriozata sus sintetichnite progestageni.
Akush Ginekol (Sofiia) 11:221-32, 1972 **(Bul)**
*ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES, therapeutic use

1676. **Ibrahim H, Ageeb M, Afify M:** Preparation of hyperthyroidism using a beta-adrenergic blocker "Trasicor".
Bull Soc Int Chir 31:510-3, Nov-Dec 72
*ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ CARDIOVASCULAR SYSTEM, drug effects/ GOITER, EXOPHTHALMIC, surgery/ HEART RATE, drug effects/ HUMAN/ *HYPERTHYROIDISM, surgery/ *OXPRENOLOL, administration & dosage/ *PREANESTHETIC MEDICATION

1677. **Ide CH, Jung JM, Jarudi NI, et al:** Unilateral exophthalmos.
Mo Med 70:175-8, Mar 73
BIOPSY/ *EXOPHTHALMOS/ EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MALE/ THERMOGRAPHY

1678. **Ide H, Aikawa T, Sakai H, et al:** [Interference in 11-hydroxycorticosteroid determination due to the presence of spironolactone (aldactone)]
Clin Endocrinol (Tokyo) 20:891-6, Oct 72 **(Jap)**
DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, analysis/ 11-HYDROXYCORTICOSTEROIDS, blood/ 11-HYDROXYCORTICOSTEROIDS, urine/ *SPIRONOLACTONE, analysis/ SPIRONOLACTONE, blood/ SPIRONOLACTONE, urine

1679. **Ideiman S, Bertholet JY, Chesne S, et al:** Activité de la tyrosine alpha-cétoglutarate transaminase dans le foie d'embryon de poulet (White Leghorn) au cours de l'embryogénèse.
J Physiol (Paris) 65:Suppl 1:128A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ *CORTICOSTERONE, physiology/ *CORTICOTROPIN, physiology/ KETOGLUTARIC ACID/ LIVER, embryology/ *LIVER, enzymology/ *TYROSINE AMINOTRANSFERASE, metabolism

1680. **Idler DR, Freeman HC:** Stability to freezing of steroid binding proteins in fish plasma.
Comp Biochem Physiol [B] 44:179-83, 15 Jan 73
ANIMAL EXPERIMENTS/ BLOOD PRESERVATION/ *BLOOD PROTEINS/ *CARRIER PROTEINS, blood/ CORTISONE/ DIALYSIS/ DRUG STABILITY/ EVALUATION STUDIES/ FEMALE/ FISHES/ FREEZING/ GLASS/ HYDROCORTISONE/ KETOSTEROIDS/ MALE/ PLASTICS/ PROTEIN BINDING/ SALMON/ SEX FACTORS/ SHARKS/ SPECIES SPECIFICITY/ *STEROIDS/ TESTOSTERONE/ TIME FACTORS

1681. **Igarashi T, Tanabe Y, Nakajima Y, et al:** [Effect of coenzyme Q 10 on experimental hypertensive cardiovascular disease in desoxycorticosterone acetate-saline loaded rats]
Folia Pharmacol Jap 68:460-72, Jul 72 **(Jap)**
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DESOXYCORTICOSTERONE/ ENGLISH ABSTRACT/ FEMALE/ HYPERTENSION, chemically induced/ HYPERTENSION, pathology/ *HYPERTENSION, prevention & control/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MYOCARDIUM, pathology/ ORGAN WEIGHT/ RATS/ SODIUM CHLORIDE/ *UBIQUINONE, therapeutic use/ WATER-ELECTROLYTE BALANCE

1682. **Ignat'ev AS, Stukkeĭ AL:** Giperparatireoz s kal'tsifikatsieĭ podzheludochnoĭ zhelezy.
Probl Endokrinol (Mosk) 18:48-9, Jul-Aug 72 **(Rus)**
ADULT/ *CALCINOSIS, etiology/ CASE REPORT/ HUMAN/ *HYPERPARATHYROIDISM, complications/ MALE/ *PANCREATIC DISEASES, etiology

1683. **Iida F:** The fate and surgical significance of adenoma of the thyroid gland.
Surg Gynecol Obstet 136:536-40, Apr 73
*ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ *ADENOMA, pathology/ ADENOMA, surgery/ *CYSTADENOMA, PAPILLARY, pathology/ CYSTADENOMA, PAPILLARY, surgery/ HUMAN/ *THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

1684. **Iida Y:** [Purification and assay of cAMP receptor protein]
Protein Nucleic Acid Enzyme (Tokyo) Suppl:179-82, Oct 72 (27 ref.) **(Jap)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CHEMISTRY/ CHROMATOGRAPHY/ DNA/ ESCHERICHIA COLI, analysis/ GALACTOSIDASE/ METHODS/ *PROTEINS, isolation & purification/ RECEPTORS, DRUG/ REVIEW/ RNA, MESSENGER, biosynthesis

1685. **Iino S:** [Antithyroid drugs]
Clin Endocrinol (Tokyo) 20:835-8, Oct 72 (9 ref.) **(Jap)**
AGRANULOCYTOSIS, chemically induced/ HUMAN/ REVIEW/ *THYROID ANTAGONISTS, adverse effects

1686. **Iino S, Abe K, Oda T, et al:** A new method of radioimmunoassay for human placental alkaline phosphatase.
Clin Chim Acta 42:161-5, Nov 72
*ALKALINE PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, isolation & purification/ AMMONIUM SULFATE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IODINE ISOTOPES/ METHODS/ MICROCHEMISTRY/ *PLACENTA, enzymology/ PRECIPITATION/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY

1687. **Iinuma K, Nakagome Y:** Y-chromatin in aged males.
Jap J Hum Genet 17:57-61, Sep 72
ADOLESCENCE/ ADULT/ AGED/ *AGING/ CHILD/ CHILD, PRESCHOOL/ HAPLOIDY/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ *SEX CHROMATIN/ SEX CHROMOSOMES

1688. **Iinuma K, Nakagome Y:** Fluorescence of Barr body in human amniotic-fluid cells.
Lancet 1:436-7, 24 Feb 73
*AMNIOTIC FLUID, cytology/ FEMALE/ *FLUORESCENCE/ FLUORESCENT DYES/ HUMAN/ PREGNANCY/ *SEX CHROMATIN/ SEX DETERMINATION

1689. **Iizuka R, Kawakami S:** [Sterility]
Clin Endocrinol (Tokyo) 20:1117-20, Dec 72 **(Jap)**
AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ NIDATION/ *STERILITY, FEMALE/ STERILITY, FEMALE, etiology

1690. **Iizuka R, Nishina S, Boku K, et al:** [Endocrinological environment at the time of implantation]
Clin Endocrinol (Tokyo) 20:687-92, Sep 72 (20 ref.) **(Jap)**
CORPUS LUTEUM, secretion/

ENDOMETRIUM/ ESTROGENS, physiology/ ESTROGENS, urine/ FEMALE/ FERTILIZATION/ FSH, urine/ GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, physiology/ GONADOTROPINS, CHORIONIC, urine/ *HORMONES, physiology/ HUMAN/ LH, blood/ LH, urine/ *NIDATION/ PREGNANCY/ PREGNANEDIOL, urine/ PROGESTERONE, physiology/ REVIEW/ TROPHOBLAST, analysis

1691. **Il'in IV, Barkhatova TP, Donskova LV:** Nekotorye endokrinnye sootnosheniia vo vremia beremennosti (obzor literatury.
Akush Ginekol (Mosk) 48:20-5, Nov 72 (41 ref.) (Rus)
ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, metabolism/ ADULT/ ALDOSTERONE, metabolism/ ANDROGENS, metabolism/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, metabolism/ *HORMONES, metabolism/ HUMAN/ LIVER, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ OVARY, metabolism/ PLACENTAL HORMONES, metabolism/ PLACENTAL LACTOGEN, metabolism/ *PREGNANCY/ REVIEW/ TESTOSTERONE, metabolism

1692. **Il'ina OI, Kertsman VI, Bukhman AI, et al:** Vliianie dvustoronneĭ total'noĭ adrenalektomii na sostoianie turetskogo sedla u bol'nykh holezn'iu Itsenko-Kushinga.
Probl Endokrinol (Mosk) 18:38-43, Nov-Dec 72 (Rus)
*ADENOMA/ ADOLESCENCE/ *ADRENALECTOMY, adverse effects/ ADULT/ CUSHING'S SYNDROME, physiopathology/ *CUSHING'S SYNDROME, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PITUITARY NEOPLASMS/ *SELLA TURCICA, physiopathology

1693. **Imai K:** [Inversion of Orchestia gammarella Pallas (crustacea amphipodes talitridae) females into functional neo-males by grafting of androgenglands before the casting of first external sex differentiation] J Reprod Fertil 31:387-97, Dec 72
ADSORPTION/ ANIMAL EXPERIMENTS/ CHICKENS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *FASTING/ FEMALE/ FSH, pharmacodynamics/ GLYCOPROTEINS/ *GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ OVIDUCTS, drug effects/ *PITUITARY HORMONES, ANTERIOR, pharmacodynamics/ *PROPYLAMINES/ STIMULATION, CHEMICAL

1694. **Imbur DJ, Bourne RB:** Iodide mumps following excretory urography. J Urol 108:629-30, Oct 72
ATROPINE, therapeutic use/ CORTISONE, therapeutic use/ *DIATRIZOATE, adverse effects/ DIPHENHYDRAMINE, therapeutic use/ *DRUG HYPERSENSITIVITY/ DRUG HYPERSENSITIVITY, prevention & control/ HUMAN/ INFLAMMATION, chemically induced/ MALE/ MIDDLE AGE/ *PAROTID GLAND, drug effects/ *SALIVARY GLAND DISEASES, chemically induced/ *SUBMANDIBULAR GLAND, drug effects/ *UROGRAPHY, adverse effects

1695. **Imura H:** [Antigenicity of peptide hormones]
Clin Endocrinol (Tokyo) 20:839-43, Oct 72 (18 ref.) (Jap)
ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ CATTLE, immunology/ CORTICOTROPIN/ DRUG HYPERSENSITIVITY/ *HORMONES/ HORMONES, physiology/ HUMAN/ PEPTIDES/ REVIEW

1696. **Imura H:** [Emaciation]
Jap J Clin Med 30:2235-42, Nov 72 (Jap)
ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, physiopathology/ ADRENAL GLAND NEOPLASMS, diagnosis/ ANOREXIA NERVOSA, diagnosis/ ANOREXIA NERVOSA, etiology/ APPETITE DISORDERS, complications/ APPETITE DISORDERS, diagnosis/ APPETITE REGULATION/ BRAIN DISEASES, diagnosis/ BRAIN DISEASES, physiopathology/ DIABETES MELLITUS, diagnosis/ *EMACIATION, diagnosis/ EMACIATION, etiology/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOPITUITARISM, diagnosis/ HYPOTHALAMUS, physiopathology/ PHEOCHROMOCYTOMA, diagnosis

1697. **Inada M, Okabe J, Kazama Y, et al:** [Diagnosis of thyroid function by Res-O-Mat ETR test. 1. Clinical evaluation of effective thyroxine ratio (ETR)]
Jap J Nucl Med 9:475-81, Oct 72 (Jap)
BLOOD PROTEIN DISORDERS, diagnosis/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ METHODS/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood

1698. **Inada M, Okabe J, Kazama Y, et al:** Thyroxine turnover and transport in diabetes mellitus.
J Clin Endocrinol Metab 36:590-7, Mar 73
ADOLESCENCE/ ADULT/ AGED/ BIOLOGICAL TRANSPORT/ DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, metabolism/ ELECTROPHORESIS, PAPER/ EXTRACELLULAR SPACE, metabolism/ FEMALE/ HUMAN/ INSULIN, therapeutic use/ IODINE ISOTOPES/ KINETICS/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ SERUM ALBUMIN, analysis/ SERUM GLOBULINS, analysis/ SULFONYLUREA COMPOUNDS, therapeutic use/ THYROXINE, blood/ *THYROXINE, metabolism/ THYROXINE-BINDING PROTEIN, blood

1699. **Inagaki K, Maeda T, Hirano T, et al:** [T3 adsorption mechanism of PVF sponge]
Jap J Nucl Med 9:463-7, Oct 72 (Jap)
ADSORPTION/ ENGLISH ABSTRACT/ IODINE ISOTOPES/ POLYVINYL ALCOHOL/ *POLYVINYLS/ PROTEIN-BOUND IODINE TEST/ *TRIIODOTHYRONINE

1700. **Indacochea-Redmond N, Witschi H, Plaa GL:** Effect of inhibitors of protein and ribonucleic acid synthesis on the hyperbilirubinemia and cholestasis produced by -naphthylisothiocyanate.
J Pharmacol Exp Ther 184:780-6, Mar 73
ANIMAL EXPERIMENTS/ CHOLESTASIS, chemically induced/ *CHOLESTASIS, drug therapy/ *CYCLOHEXIMIDE, therapeutic use/ *DACTINOMYCIN, therapeutic use/ *ETHIONINE, therapeutic use/ HYPERBILIRUBINEMIA, chemically induced/ *HYPERBILIRUBINEMIA, drug therapy/ MALE/ *PUROMYCIN, therapeutic use/ RATS/ THIOCYANATES/ TIME FACTORS

1701. **Inesi G:** Active transport of calcium ion in sarcoplasmic membranes.
Annu Rev Biophys Bioeng 1:191-210, 1972 (115 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ CYTOPLASM/ ELECTRON SPIN RESONANCE/ FROGS/ LIPIDS, metabolism/ LOBSTERS/ MAGNESIUM/ MICROSCOPY, ELECTRON/ MICROSOMES, metabolism/ MITOCHONDRIA/ MITOCHONDRIA, MUSCLE/ MUSCLE PROTEINS, metabolism/ MYOCARDIUM, cytology/ NUCLEAR MAGNETIC RESONANCE/ PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ RABBITS/ RATS/ REVIEW/ *SARCOPLASMIC RETICULUM, metabolism

1702. **Inoue Y, Yamamura H, Nishizuka Y:** Protamine kinase independent of adenosine 3',5'-monophosphate from rat brain cytosol.
Biochem Biophys Res Commun 50:228-36, 23 Jan 7

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN, cytology/ *BRAIN, enzymology/ CATALYSIS/ CHROMATOGRAPHY/ *CYTOSOL, enzymology/ ELECTROPHORESIS/ HISTONES, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ ISOELECTRIC FOCUSING/ KINETICS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, analysis/ PROTAMINES/ PROTAMINES, metabolism/ PROTEINS/ RATS

1703. **Ippen H:** Klinik der Pigmentveränderungen durch orale Kontrazeptiva.
Arch Dermatol Forsch 244:500-3, 1972 (Ger)
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ FACIAL DERMATOSES, chemically induced/ FEMALE/ HUMAN/ PHOTOSENSITIZATION, chemically induced/ *PIGMENTATION DISORDERS, chemically induced/ PREGNANCY/ PREGNANCY COMPLICATIONS

1704. **Irie M, Ikoma M, Enomoto K, et al:** [Thyroid hormones and arteriosclerosis]
Clin Endocrinol (Tokyo) 20:621-3, Aug 72 (23 ref.) (Jap)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, drug therapy/ *ARTERIOSCLEROSIS, etiology/ CHOLESTEROL, metabolism/ HUMAN/ LIPOPROTEINS, blood/ REVIEW/ *THYROID HORMONES, physiology/ THYROID HORMONES, therapeutic use/ THYROXINE, pharmacodynamics

1705. **Irie M, Inoue K:** [Obesity]
Jap J Clin Med 30:2230-4, Nov 72 (20 ref.) (Jap)
CUSHING'S SYNDROME, diagnosis/ ENDOCRINE DISEASES, complications/ FEMALE/ FROEHLICH'S SYNDROME, diagnosis/ HUMAN/ INSULIN, blood/ ISLET CELL TUMOR, diagnosis/ LAURENCE-MOON-BIEDL SYNDROME, diagnosis/ MALE/ *OBESITY, diagnosis/ OBESITY, etiology/ PANCREATIC NEOPLASMS, diagnosis/ REVIEW/ STEIN-LEVENTHAL SYNDROME, diagnosis

1706. **Irving M:** Current studies in surgical shock.
Proc R Soc Med 65:1116-8, Dec 72 (22 ref.)
BLOOD COAGULATION DISORDERS, complications/ *BLOOD VOLUME/ BLOOD VOLUME DETERMINATION/ CHROMIUM ISOTOPES/ HEMATOCRIT/ HUMAN/ HYPOTENSION/ IODINE ISOTOPES/ METHYLPREDNISOLONE, therapeutic use/ REVIEW/ *SHOCK, SURGICAL/ SHOCK, SURGICAL, drug therapy/ SHOCK, SURGICAL, etiology

1707. **Isaacson RL, Kimble DP:** Lesions of the limbic system: their effects upon hypotheses and frustration.
Behav Biol 7:767-93, Dec 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ CEREBRAL CORTEX, physiology/ *DISCRIMINATION LEARNING/ EXTINCTION (PSYCHOLOGY)/ *FRUSTRATION/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ NEURAL INTERCONNECTIONS, physiology/ PROBABILITY/ PROBLEM SOLVING/ RATS/ SPACE PERCEPTION/ TRANSFER (PSYCHOLOGY)/ VISUAL PERCEPTION

1708. **Ishihara T, Uchino F, Matsumoto N:** Peculiar structures in the mitochondria of the hyperplastic adrenal cortical cells in Cushing's syndrome.
J Electron Microsc (Tokyo) 21:169-74, 1972
*ADRENAL GLANDS, pathology/ ADULT/ *CUSHING'S SYNDROME, pathology/ FEMALE/ HUMAN/ HYPERPLASIA/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA

1709. **Ishii H:** [Hormone therapy on otorhinolaryngology--with special reference to short-term systemic administration of adrenal cortex hormones] J Otolaryngol Jap 75:1464-5, Dec 72 (Jap)
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ *OTORHINOLARYNGOLOGIC DISEASES, drug therapy

1710. **Ishizuka I, Suzuki M, Yamakawa T:** Isolation and characterization of a novel sulfoglycolipid, 'seminolipid,' from boar testis and spermatozoa.
J Biochem (Tokyo) 73:77-87, Jan 73
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, analysis/ GALACTOSE, analysis/ GLYCERIN, analysis/ GLYCOLIPIDS, analysis/ *GLYCOLIPIDS, isolation & purification/ HEXOSES, analysis/ INFRARED RAYS/ MALE/ METHYLATION/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY/ *SPERMATOZOA, analysis/ SULFATES, analysis/ SULFIDES/ *SWINE, metabolism/ *TESTIS, analysis

1711. **Itiaba K, Banfalvi M, Crawhall JC, et al:** Family studies of a Lesch-Nyhan patient from an isolated Canadian community. Am J Hum Genet 25:134-40, Mar 73
CELLS, CULTURED/ CHILD, PRESCHOOL/ ERYTHROCYTES, enzymology/ FIBROBLASTS, enzymology/ HETEROZYGOTE/ HUMAN/ LESCH-NYHAN SYNDROME, enzymology/ *LESCH-NYHAN SYNDROME, familial & genetic/ MALE/ *MUTATION/ PEDIGREE/ PENTOSYLTRANSFERASES, analysis/ QUEBEC/ SEX CHROMOSOMES

1712. **Itil TM:** Quantitative pharmaco-electroencephalography in the discovery of a new group of psychotropic drugs.
Dis Nerv Syst 33:557-9, Aug 72
AMITRIPTYLINE, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, therapeutic use/ ANTIHISTAMINICS/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYPROHEPTADINE, therapeutic use/ CYPROHEPTADINE, toxicity/ DEPRESSION, drug therapy/ ELECTROENCEPHALOGRAPHY/ EVALUATION STUDIES/ HUMAN/ *MENTAL DISORDERS, drug therapy/ METHODS/ PIPERAZINES, therapeutic use/ PIPERAZINES, toxicity/ SEROTONIN, antagonists & inhibitors/ *TRANQUILIZING AGENTS, therapeutic use/ TRANQUILIZING AGENTS, toxicity

1713. **Ito A, Moy P, Kaunitz H, et al:** Incidence and character of the spontaneous pituitary tumors in strain CR and W-Fu male rats. J Natl Cancer Inst 49:701-11, Sep 72
ADENOMA, CHROMOPHOBE, pathology/ *ADENOMA, CHROMOPHOBE, veterinary/ ANIMAL EXPERIMENTS/ AUTOPSY/ HISTOCYTOCHEMISTRY/ MALE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ PITUITARY NEOPLASMS, pathology/ *PITUITARY NEOPLASMS, veterinary/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ *RATS, INBRED STRAINS/ RATS, INBRED WF/ RODENT DISEASES, occurrence/ RODENT DISEASES, pathology/ SEX FACTORS/ SOMATOTROPIN, blood

1714. **Itokawa Y, Fujiwara M:** Changes in tissue magnesium, calcium and phosphorus levels in magnesium-deficient rats in relation to thiamin excess or deficiency. J Nutr 103:438-43, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ BONE AND BONES, metabolism/ BRAIN, metabolism/ *CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KIDNEY, metabolism/ LIVER, metabolism/ MAGNESIUM, administration & dosage/ *MAGNESIUM, metabolism/ *MAGNESIUM DEFICIENCY, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ RATS/ SPECTROPHOTOMETRY, ATOMIC

ABSORPTION/ SPLEEN, metabolism/ TESTIS, metabolism/ *THIAMINE/ THIAMINE, administration & dosage/ THIAMINE, adverse effects/ THIAMINE DEFICIENCY, metabolism

1715. **Iturriza FC:** Autoregulation of the secretion of MSH in incubates of toad pars intermedia.
Gen Comp Endocrinol 20:168-71, Feb 73
ANIMAL EXPERIMENTS/ *BUFO ARENARUM, physiology/ CULTURE MEDIA/ FEEDBACK/ IN VITRO/ MALE/ *MSH, secretion/ *PITUITARY GLAND, secretion/ TIME FACTORS/ TISSUE EXTRACTS

1716. **Iunda IF, Kushniruk IuI:** Vliianie neomitsina na funktsiiu laichka.
Antibiotiki 18:43-8, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ DNA, biosynthesis/ ENGLISH ABSTRACT/ MALE/ MITOSIS, drug effects/ *NEOMYCIN, pharmacodynamics/ RATS/ RNA, biosynthesis/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ *TESTIS, drug effects/ TESTIS, metabolism

1717. **Ivanov Iuia, Danilov AF, Zelikson BB, et al:** Vliianie tetanizatsii dvigatel'nogo nerva skeletnoĭ myshtsy na blokiruiushchiĭ i antikholinesteraznyĭ éffekty armina i soedineniia GD-42.
Farmakol Toksikol 35:567-70, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CATS/ *CHOLINESTERASE INHIBITORS, pharmacodynamics/ ENGLISH ABSTRACT/ *MIOTICS, pharmacodynamics/ *MUSCLE CONTRACTION/ MUSCLES, blood supply/ *NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ *NEUROMUSCULAR JUNCTION, drug effects/ *PARASYMPATHOLYTICS, pharmacodynamics/ *PHOSPHINIC ACIDS, pharmacodynamics/ *PHOSPHONIC ACIDS, pharmacodynamics/ *TETANY

1718. **Izakovič V, Lukáč J:** Tetrazómia X (karyotyp 48, XXXX) u dvaapol-ročného dievčata.
Cesk Pediatr 28:77-9, Feb 73 (Slo)
CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ *SEX CHROMATIN, analysis/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic

1719. **Izquierdo I, Nasello AG:** Pharmacology of the brain: the hippocampus, learning and seizures.
Prog Drug Res 16:211-28, 1972 (134 ref.)
ACETYLCHOLINE, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ *CONVULSIONS, physiopathology/ DIPHENYLHYDANTOIN, pharmacodynamics/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FROGS/ GLUTAMATES, pharmacodynamics/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, physiology/ HIPPOCAMPUS, physiopathology/ *LEARNING, drug effects/ NEURAL TRANSMISSION, drug effects/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ PHYSOSTIGMINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RATS/ REVIEW/ RNA, analysis/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TETRAHYDROCANNABINOL, pharmacodynamics

1720. **Izquierdo JA:** Cholinergic mechanism--monoamines relation in certain brain structures.
Prog Drug Res 16:334-63, 1972 (222 ref.)
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIPARKINSON DRUGS, pharmacodynamics/ *BIOGENIC AMINES, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, enzymology/ CALCIUM, pharmacodynamics/ CATS/ CAUDATE NUCLEUS, drug effects/ DOGS/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, metabolism/ DRUG INTERACTIONS/ GANGLIA, BASAL, drug effects/ HUMAN/ LEARNING, drug effects/ MEMORY, drug effects/ METHYLTYROSINES, pharmacodynamics/ MONKEYS/ PARASYMPATHOLYTICS, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SEROTONIN, pharmacodynamics/ TYROSINE HYDROXYLASE, antagonists & inhibitors/ TYROSINE HYDROXYLASE, biosynthesis/ ZINC, pharmacodynamics

J

1721. **Jabara AG, Toyne PH, Harcourt AG:** Effects of time and duration of progesterone administration on mammary tumours induced by 7,12-dimethylbenz(a)anthracene in Sprague-Dawley rats. Br J Cancer 27:63-71, Jan 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ BENZANTHRACENES, antagonists & inhibitors/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS

1722. **Jabłońska A:** Wpływ glukagonu na poziom cholesterolu w surowicy drwi i wydalanie z moczem 17-hydroksykortykosteroidów u dzieci.
Pol Tyg Lek 28:203-5, 5 Feb 73 (Pol)
AGE FACTORS/ CHILD, PRESCHOOL/ *CHOLESTEROL, blood/ ENGLISH ABSTRACT/ *GLUCAGON, pharmacodynamics/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ INFANT

1723. **Jachmann M:** Die endothorakale Struma.
Z Erkr Atmungsorgane 137:43-7, 1972 (Ger)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GOITER, SUBSTERNAL, complications/ *GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, radiography/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, diagnosis/ MIDDLE AGE/ THYROID NEOPLASMS, complications/ TRACHEAL STENOSIS, etiology

1724. **Jackson CG Jr, Holcomb CM, Jackson M:** Strontium-90 in the exoskeletal ossicles of Dasypus novemcinctus.
J Mammal 53:921-2, Nov 72
ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ *EDENTATA/ *STRONTIUM ISOTOPES, analysis

1725. **Jackson D:** Hair replacement in the guinea-pig and in man. Br J Dermatol 87:509-11, Nov 72 (27 ref.)
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HAIR, drug effects/ *HAIR, growth & development/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MICE/ OVARY, physiology/ PINEAL BODY, physiology/ RABBITS/ RATS/ REVIEW/ SEASONS/ TEMPERATURE/ TIME FACTORS

1726. **Jackson GL:** Effect of progesterone on release of luteinizing hormone in gonadectomized adult and immature rats. Biol Reprod 8:58-61, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRUS/ FEMALE/ LH, blood/ *LH, secretion/ MALE/ PERIODICITY/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1727. **Jackson RL, Gotto AM:** A study of the cystine-containing apolipoprotein of human plasma high density lipoproteins: characterization of cyanogen bromide and tryptic fragments.

Biochim Biophys Acta 285:36-47, 28 Nov 72
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ APOPROTEINS, analysis/ APOPROTEINS, blood/ APOPROTEINS, isolation & purification/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IMINES/ IMMUNOELECTROPHORESIS/ LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, analysis/ LIPOPROTEINS, HDL, blood/ MACROMOLECULAR SYSTEMS/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ RABBITS, immunology/ THIOCYANATES/ TRYPSIN

1728. **Jacobs PA:** Chromosome mutations: frequency at birth in humans. Humangenetik 16:137-40, 1972
ANEUPLOIDY/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ FEMALE/ GENETICS, POPULATION/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN/ KARYOTYPING/ MALE/ *MUTATION/ SEX CHROMOSOME ABNORMALITIES/ TIME FACTORS/ TRISOMY

1729. **Jacobsen BB:** Blood lipids during treatment of hyperthyroidism. A statistical evaluation of the relationship between lipids and thyroid variables.
Acta Endocrinol (Kbh) 72:443-52, Mar 73
ADOLESCENCE/ ADULT/ AGED/ BASAL METABOLISM/ CHOLESTEROL, blood/ ELECTROPHORESIS, PAPER/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ GOITER, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ *IMIDAZOLES, therapeutic use/ *LIPIDS, blood/ LIPOPROTEINS, blood/ MALE/ MIDDLE AGE/ PHOSPHOLIPIDS, blood/ PROTEIN-BOUND IODINE TEST/ *SULFHYDRYL COMPOUNDS, therapeutic use/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIGLYCERIDES, blood/ TRIIODOTHYRONINE, blood

1730. **Jacquignon P, Croisy-Delcey M, Croisy A:** Synthèse, propriétés et électronolyse de quelques androstano indoles.
Bull Soc Chim Fr 11:4251-5, Nov 72 **(Fre)**
*ANDROSTANES, chem synthesis/ ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ENZYME INDUCTION, drug effects/ HYDROXYLASES, biosynthesis/ *INDOLES, chem synthesis/ INDOLES, pharmacodynamics/ MASS SPECTRUM ANALYSIS/ MICROSOMES, enzymology/ RATS/ ZOXAZOLAMINE

1731. **Jaffe BM, Behrman HR, Parker CW:** Radioimmunoassay measurement of prostaglandins E, A, and F in human plasma.
J Clin Invest 52:398-405, Feb 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ CARCINOID TUMOR, blood/ CHROMATOGRAPHY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDOMETHACIN, pharmacodynamics/ KIDNEY, analysis/ METHODS/ NEUROBLASTOMA, blood/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ *RADIOIMMUNOASSAY/ RATS/ THYROID NEOPLASMS, blood/ TRITIUM

1732. **Jager Hartog WA den, Jong JM de, Vianney de Jong JM, et al:** Muscle and central nervous system metamorphosis. Histology and autoradiography.
Arch Neurol 28:191-4, Mar 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BLOOD-BRAIN BARRIER/ BRAIN, metabolism/ *CENTRAL NERVOUS SYSTEM, growth & development/ FROGS/ IODIDES, metabolism/ *METAMORPHOSIS, BIOLOGICAL/ MUSCLES, anatomy & histology/ *MUSCLES, growth & development/ MUSCLES, pathology/ MYOTONIA ATROPHICA, pathology/ NERVE DEGENERATION/ NERVE REGENERATION/ RANA TEMPORARIA, growth & development/ SPINAL CORD, metabolism/ *THYROID HORMONES, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism/ XENOPUS, growth & development

1733. **Jaglello G, Ducayen M:** Meiosis of ova from polyovular (C58-J) and polycystic (C57 L-J) strains of mice.
Fertil Steril 24:10-4, Jan 73
ANIMAL EXPERIMENTS/ CYTOGENETICS/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ IN VITRO/ *MEIOSIS/ MICE/ MICE, INBRED STRAINS/ *OVARY, physiology/ *OVUM, growth & development

1734. **Jaisle F:** Lipide während der Schwangerschaft und Niederkunft.
Fortschr Gehurtshilfe Gynaekol 48:1-184, 1972 (726 ref.) **(Ger)**
AMNIOTIC FLUID/ DELIVERY/ EXERTION/ FEMALE/ FETUS/ GLUCOSE, metabolism/ HUMAN/ HYPERLIPEMIA/ INFANT, NEWBORN/ INFUSIONS, PARENTERAL/ *LABOR/ LIPASE/ *LIPIDS/ LIPIDS, administration & dosage/ LIPIDS, blood/ LIPIDS, metabolism/ PAIN/ PLACENTA/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ PROSTAGLANDINS/ REVIEW/ SEX HORMONES

1735. **Jalowiec JE, Stricker EM:** Sodium appetite in adrenalectomized rats following dietary sodium deprivation. J Comp Physiol Psychol 82:66-77, Jan 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *APPETITE/ APPETITE REGULATION/ DIET/ *DRINKING BEHAVIOR/ HYPERTONIC SOLUTIONS/ MALE/ MINERALOCORTICOIDS, physiology/ RATS/ *SODIUM/ SODIUM, urine/ SODIUM CHLORIDE/ SPECIES SPECIFICITY/ *WATER-ELECTROLYTE BALANCE

1736. **James TN:** The sinus node as a servomechanism.
Circ Res 32:307-13, Mar 73 (83 ref.)
BIOLOGICAL TRANSPORT, ACTIVE/ ELECTROPHYSIOLOGY/ FEEDBACK/ HEART CONDUCTION SYSTEM, physiology/ HEART RATE/ HEMODYNAMICS/ HUMAN/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC/ RECEPTORS, NEURAL, physiology/ REVIEW/ SEROTONIN, pharmacodynamics/ SINO-ATRIAL NODE, cytology/ *SINO-ATRIAL NODE, physiology/ VAGUS NERVE, physiology

1737. **Jan F, Sébastien P, Jacotot B, et al:** Embolies pulmonaires favorisées par un traitement hormonal. A propos de deux cas.
Coeur Med Interne 11:765-9, Oct-Dec 72 **(Fre)**
ADULT/ BLOOD COAGULATION DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES, adverse effects/ *PULMONARY EMBOLISM, chemically induced/ RADIOISOTOPE SCANNING/ THROMBOEMBOLISM, chemically induced/ VARICOSE VEINS, complications

1738. **Janečka V:** Objemné retrofaryngoezofageální abscesy po zanedbaných cizích tělesech (rybích kůstkách) v hypofaryngo-ezofageální oblasti.
Cesk Otolaryngol 22:49-52, Feb 73 **(Cze)**
*ABSCESS, etiology/ ADULT/ BONE AND BONES/ CHILD/ ENGLISH ABSTRACT/ *ESOPHAGEAL DISEASES, etiology/ *ESOPHAGUS/ FEMALE/ FISHES/ *FOREIGN BODIES, complications/ HUMAN/ MALE/ *PHARYNGEAL DISEASES, etiology/ *PHARYNX

1739. **Janisch H, Leodolter S, Spona J:** Die Plazentalnsuffizienz Neue diagnostische Methoden zur Erfassung der Risikoschwangerschaft.
Wien Klin Wochenschr 85:Suppl 16:1-19, 1973 **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ FETAL

DEATH/ *FETAL DISEASES, diagnosis/ FETAL DISEASES, etiology/ FETAL DISEASES, mortality/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INDIUM/ MATHEMATICS/ PLACENTA, blood supply/ PLACENTA DISORDERS, blood/ PLACENTA DISORDERS, complications/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, pathology/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY TOXEMIAS, diagnosis/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ REGIONAL BLOOD FLOW/ TECHNETIUM

1740. **Jansons VK, Burger MM:** Isolation and characterization of agglutinin receptor sites. II. Isolation and partial purification of a surface membrane receptor for wheat germ agglutinin.
Biochim Biophys Acta 291:127-35, 2 Jan 73
AGGLUTINATION, drug effects/ AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ *BINDING SITES, ANTIBODY/ CARBOHYDRATES, analysis/ CELLS, CULTURED/ CHEMISTRY/ CHROMATOGRAPHY, AFFINITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUANIDINES/ IODINE/ LEUKEMIA L1210, immunology/ LITHIUM/ MICE/ MICE, INBRED STRAINS/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS, analysis/ PHENOLS/ *PLANT AGGLUTININS/ PROTEINS, analysis/ PYRIDINES/ SALICYLATES/ SODIUM DODECYL SULFATE/ TRITIUM/ WHEAT, immunology

1741. **Januszewicz W:** Wartość oznaczania aktywności reniny we krwi w diagnostyce nadciśnienia naczyniowo-nerkowego.
Pol Tyg Lek 28:237-40, 12 Feb 73 (Pol)
HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, diagnosis/ *RENIN, blood

1742. **Järnerot G, Kariberg BE:** Erfarenheter av ett tyreoideasuppressionstest med hög peroral engångsdos av tyroxin.
Lakartidningen 70:381-2, 31 Jan 73 (Swe)
*ADENOMA, diagnosis/ ADMINISTRATION, ORAL/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ MIDDLE AGE/ THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, diagnosis/ *THYROXINE, administration & dosage/ THYROXINE, diagnostic use

1743. **Järplid B:** Virus particles in relation to radiation-induced changes in the thymus of C 3 H mice. Acta Radiol [Ther] (Stockh) 11:422-32, Oct 72
ANIMAL EXPERIMENTS/ FEMALE/ *INCLUSION BODIES, VIRAL/ LYMPHOMA, etiology/ MICE/ MICE, INBRED C3H/ MICROSCOPY, ELECTRON/ NEOPLASMS, EXPERIMENTAL, pathology/ *NEOPLASMS, RADIATION-INDUCED, pathology/ *RADIATION EFFECTS/ REGENERATION, radiation effects/ THYMUS GLAND, pathology/ *THYMUS GLAND, radiation effects/ THYMUS NEOPLASMS, etiology/ *THYMUS NEOPLASMS, pathology/ TISSUE EXTRACTS

1744. **Jarrard LE:** The hippocampus and motivation.
Psychol Bull 79:1-12, Jan 73 (110 ref.)
ANIMAL EXPERIMENTS/ AROUSAL/ AVOIDANCE LEARNING/ CONDITIONING, OPERANT/ DRINKING BEHAVIOR/ EXPLORATORY BEHAVIOR/ FEEDBACK/ FEEDING BEHAVIOR/ *HIPPOCAMPUS, physiology/ HUMAN/ HUNGER/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ *MOTIVATION/ MOTOR ACTIVITY/ NEURAL INTERCONNECTIONS, physiology/ RATS/ REVIEW/ SEPTUM PELLUCIDUM, physiology/ THALAMUS, physiology/ THIRST

1745. **Järvinen KA:** Treatment of status asthmaticus.
Br Med J 1:355, 10 Feb 73
ASTHMA, drug therapy/ *ASTHMA, therapy/ EPINEPHRINE, therapeutic use/ HUMAN/ METHYLPREDNISOLONE, therapeutic use/ PHYSICAL THERAPY/ SPIROMETRY

1746. **Jaworski S:** Wyniki leczenia kenacortem A blizn przerostowych i bliznowców u dzieci.
Pol Przegl Chir 45:145-50, Feb 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CICATRIX, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ *KELOID, drug therapy/ *TRIAMCINOLONE ACETONIDE, therapeutic use

1747. **Jayet A, Gardiol D, Niederhäusern W von, et al:** Les tumeurs du testicule et leurs localisations ectopiques.
Helv Chir Acta 39:755-72, Dec 72 (Fre)
ADULT/ CHORIOCARCINOMA, surgery/ DISGERMINOMA, surgery/ GYNANDROBLASTOMA, surgery/ HUMAN/ LEYDIG CELL TUMOR, surgery/ MALE/ *MEDIASTINAL NEOPLASMS/ MEDIASTINAL NEOPLASMS, classification/ *RETROPERITONEAL NEOPLASMS/ RETROPERITONEAL NEOPLASMS, classification/ SERTOLI CELL TUMOR, surgery/ SWITZERLAND/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, occurrence/ TESTICULAR NEOPLASMS, surgery

1748. **Jeffcoate SL, Gilby ED, Edwards R:** The preparation and use of (125 I) steroid-albumin conjugates as tracers in steroid radioimmunoassays.
Clin Chim Acta 43:343-9, 12 Feb 73
ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ ESTROGENS, analysis/ GUINEA PIGS, immunology/ HUMAN/ HYDROLYSIS/ *RADIOIMMUNOASSAY/ *SERUM ALBUMIN, RADIO-IODINATED/ *STEROIDS, analysis/ TESTOSTERONE, analysis/ TRITIUM

1749. **Jeffries CD, Wilkins J:** Effect of exogenous steroids and inhibitors of steroidogenesis on endotoxin shock.
Proc Soc Exp Biol Med 142:656-9, Feb 73
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANDROSTENEDIONE, biosynthesis/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BUTANONES, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ ENDOTOXINS, toxicity/ HYDROCORTISONE, pharmacodynamics/ HYDROXYPROGESTERONE, pharmacodynamics/ LETHAL DOSE 50/ MALE/ *METYRAPONE, pharmacodynamics/ MICE/ MICE, INBRED ICR/ PREGNENES, biosynthesis/ *PREGNENES, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *SHOCK, ENDOTOXIC, prevention & control

1750. **Jelínek R, Dostál MM:** Species specificity in teratology in the light of analyzing intraspecies differences in mice. Folia Morphol (Praha) 21:94-6, 1973
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ *CLEFT PALATE, chemically induced/ CORTISONE, adverse effects/ HYDROCORTISONE, adverse effects/ MATERNAL-FETAL EXCHANGE/ MICE/ MICE, INBRED C57BL/ PREGNANCY/ *SPECIES SPECIFICITY

1751. **Jennings GH:** Blindness in granulomatous arteralgia.
Br Med J 1:415, 17 Feb 73
ADRENAL CORTEX HORMONES, therapeutic use/ *ARTERITIS, complications/ ARTERITIS, drug therapy/ *BLINDNESS, etiology/ *GRANULOMA, complications/ HUMAN/

RETINAL VESSELS/ TEMPORAL ARTERITIS, complications

1752. **Jennissen HP, Hörl WH, Heilmeyer MG Jr:** Vergleich von Phosphorylase-b-Kinase aus Frosch- und Kaninchenmuskel.
Hoppe Seylers Z Physiol Chem 353:1530, Oct 72 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ COMPARATIVE STUDY/ ELECTROPHORESIS/ ENZYME ACTIVATION/ FROGS/ GLYCOLYSIS/ *MUSCLES, enzymology/ *PHOSPHORYLASE KINASE, analysis/ PHOSPHOTRANSFERASES/ RABBITS/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY

1753. **Jensen EV, Jacobson HI, Smith S, et al:** The use of estrogen antagonists in hormone receptor studies.
Gynecol Invest 3:108-23, 1972
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ *BINDING, COMPETITIVE/ BREAST NEOPLASMS, drug therapy/ *CLOMIPHENE, pharmacodynamics/ CYTOSOL, metabolism/ ESTRADIOL, antagonists & inhibitors/ *ESTROGENS, antagonists & inhibitors/ ESTROGENS, therapeutic use/ ETHYLAMINES, pharmacodynamics/ FEMALE/ HUMAN/ NAPHTHALENES, pharmacodynamics/ *PHENOLS, pharmacodynamics/ *PYRROLIDINES, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ STYRENES, pharmacodynamics/ TRITIUM/ *UTERUS, drug effects

1754. **Jensen GD, Maben M:** Sex education and mental health work with a female teen-age gang.
Hosp Community Psychiatry 24:151-5, Mar 73
ADOLESCENCE/ CALIFORNIA/ COMMUNITY MENTAL HEALTH SERVICES/ CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *COUNSELING/ DIACETYLMORPHINE/ DRUG ABUSE/ FAMILY PLANNING/ FEMALE/ GROUP PROCESSES/ HUMAN/ MARRIAGE/ PARENT-CHILD RELATIONS/ PREGNANCY/ SEX BEHAVIOR/ *SEX EDUCATION/ SOCIAL BEHAVIOR DISORDERS, therapy/ *SOCIAL PROBLEMS/ SUICIDE

1755. **Jereb B, Löwhagen T:** Carcinoma of the thyroid in children and young adults. A review of 32 patients.
Acta Radiol [Ther] (Stockh) 11:411-21, Oct 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, PAPILLARY, radiotherapy/ CARCINOMA, PAPILLARY, surgery/ CHILD/ FEMALE/ HUMAN/ *IODINE ISOTOPES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ LATERALITY/ LUNG NEOPLASMS, diagnosis/ MALE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ *THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery

1756. **Jereb M, Jereb B, Unge G:** Radionuclear selenite (75 Se) for scintigraphic demonstration of lung cancer and metastases in the mediastinum. A preliminary report.
Scand J Respir Dis 53:331-7, 1972
ADENOCARCINOMA, diagnosis/ ADULT/ AGED/ CARCINOMA, BRONCHOGENIC, diagnosis/ CARCINOMA, EPIDERMOID, diagnosis/ FEMALE/ FIBROSARCOMA, diagnosis/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LUNG NEOPLASMS, diagnosis/ LYMPHATIC METASTASIS/ MALE/ *MEDIASTINAL NEOPLASMS, diagnosis/ METHODS/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ PNEUMONIA, diagnosis/ RADIATION DOSAGE/ RADIOISOTOPE SCANNING/ *RADIOISOTOPES/ *SELENIUM/ SELENIUM, administration & dosage/ TUBERCULOMA, diagnosis

1757. **Jiang NS, Stoffer SS, Pikler GM, et al:** Laboratory and clinical observations with a two-column plasma catecholamine assay. Mayo Clin Proc 48:47-9, Jan 73
ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, diagnosis/ *CATECHOLAMINES, blood/ CHROMATOGRAPHY/ EPINEPHRINE, blood/ HUMAN/ HYPERTENSION, diagnosis/ HYPERTENSION, urine/ METHODS/ NOREPINEPHRINE, blood/ NORMETANEPHRINE, urine/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, diagnosis

1758. **Jivani SK, Rayner PH:** Does control influence the growth of diabetic children?
Arch Dis Child 48:109-15, Feb 73
ADOLESCENCE/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, JUVENILE, complications/ DIABETES MELLITUS, JUVENILE, drug therapy/ *DIABETES MELLITUS, JUVENILE, prevention & control/ DIABETES MELLITUS, JUVENILE, therapy/ DIABETIC DIET/ FEMALE/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ INSULIN, therapeutic use/ MALE/ PUBERTY/ TIME FACTORS

1759. **Joffre J, Rybak B:** Relations calcium-lanthanides au niveau du coeur in vitro de lapin.
J Physiol (Paris) 65:Suppl:248A-249, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CORONARY CIRCULATION, drug effects/ DRUG INTERACTIONS/ *HEART, drug effects/ IN VITRO/ LANTHANUM, metabolism/ *LANTHANUM, pharmacodynamics/ METHODS/ *MYOCARDIUM, metabolism/ PERFUSION/ RABBITS/ SOLUTIONS

1760. **Joh TH, Goldstein M:** Isolation and characterization of multiple forms of phenylethanolamine N-methyltransferase. Mol Pharmacol 9:117-29, Jan 73
ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, immunology/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CROSS REACTIONS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FROGS, immunology/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ ISOENZYMES, analysis/ *METHYLTRANSFERASES/ MICE, immunology/ MOLECULAR WEIGHT/ PHENETHANOLAMINE N-METHYLTRANSFERASE, analysis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, isolation & purification/ PROTEINS, analysis/ RABBITS, immunology/ RATS, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET

1761. **Jóhannesson T, Steele WJ, Becker BA:** Infusion of morphine in maternal rats at near-term: maternal and foetal distribution and effects on analgesia, brain DNA, RNA and protein.
Acta Pharmacol Toxicol (Kbh) 31:353-68, 1972
ANALGESIA/ ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ BRAIN, metabolism/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ *DNA, metabolism/ FEMALE/ FETUS, metabolism/ *MATERNAL-FETAL EXCHANGE/ METHODS/ MORPHINE, blood/ *MORPHINE, pharmacodynamics/ NUCLEOPROTEINS/ PLACEBOS/ PLACENTA, metabolism/ PREGNANCY/ *PROTEINS, metabolism/ RATS/ REACTION TIME, drug effects/ *RNA, metabolism/ SURFACE-ACTIVE AGENTS

1762. **Johansson BW, Senturia JB:** Seasonal variations in the physiology and biochemistry of the European hedgehog (Erinaceus europaeus) including comparisons with non-hibernators, guinea-pig and man. Acta Physiol Scand [Suppl] 380:1-159, 1972
ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ BODY COMPOSITION/ BODY TEMPERATURE/ BODY WEIGHT/ BROWN FAT, metabolism/ CARBOHYDRATES, metabolism/ ENZYMES, blood/ EPINEPHRINE, metabolism/ FEMALE/ FIBRINOLYSIS/

GUINEA PIGS/ HEART, physiology/ HEART RATE/ *HEDGEHOGS/ HUMAN/ LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ LIVER, physiology/ MALE/ NOREPINEPHRINE, metabolism/ PHYSIOLOGY, COMPARATIVE/ *SEASONS/ SEX FACTORS/ SYMPATHETIC NERVOUS SYSTEM, physiology

I763. Johansson ED: Plasma levels of progesterone and oestradiol after injections of 17 -hydroxyprogesterone caproate during the luteal phase of the normal menstrual cycle.
Acta Obstet Gynecol Scand 52:37-40, 1973
ADULT/ BINDING, COMPETITIVE/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ DEPRESSION, CHEMICAL/ *ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROXYPROGESTERONE, administration & dosage/ *HYDROXYPROGESTERONE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ *MENSTRUATION, drug effects/ *OVULATION, drug effects/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS

I764. Johansson KN, Currie BL, Folkers K: Biosynthesis and evidence for the existence of the follicle stimulating hormone releasing hormone.
Biochem Biophys Res Commun 50:8-13, 4 Jan 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ CHROMATOGRAPHY/ FEMALE/ FSH, analysis/ *FSH, secretion/ GEL FILTRATION/ GLUTAMATES, metabolism/ GLUTAMINE, metabolism/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, metabolism/ IN VITRO/ LH, analysis/ PITUITARY GLAND, analysis/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, biosynthesis/ RATS

I765. Johnson CL, Rich TD: Evaluation of carboxymethylcellulose as an injectable carrier for follicle stimulating hormone.
J Anim Sci 36:375-9, Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ EVALUATION STUDIES/ FEMALE/ *FSH, administration & dosage/ FSH, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ *METHYLCELLULOSE, administration & dosage/ METHYLCELLULOSE, pharmacodynamics/ OVARY, anatomy & histology/ OVARY, drug effects/ RATS/ UTERUS, anatomy & histology/ UTERUS, drug effects/ *VEHICLES

I766. Johnson DS: Termination of pregnancy: current status and future directions. Contraception 5:237-49, Mar 72
ABORTION, INDUCED, instrumentation/ ALLIED HEALTH PERSONNEL, education/ ANESTHESIA, CONDUCTION/ ANESTHESIA, OBSTETRICAL/ ASPIRATION/ CERVIX UTERI/ COUNSELING/ DILATATION/ EQUIPMENT AND SUPPLIES/ EXTRACTION, OBSTETRICAL, instrumentation/ FEMALE/ HUMAN/ METHODS/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION

I767. Johnson DS: Reversible male sterilization: current status and future directions.
Contraception 5:327-38, Apr 72
ALLIED HEALTH PERSONNEL/ ANIMAL EXPERIMENTS/ BIOCOMPATIBLE MATERIALS/ CELL COUNT/ DENERVATION, adverse effects/ HUMAN/ LIGATION/ MALE/ METHODS/ MONKEYS/ RATS/ RESEARCH DESIGN/ SPECIAL LIST REPRODUCTION/ SPERMATOZOA/ SPERMATOZOA, immunology/ STERILITY, MALE, surgery/ STERILIZATION, SEXUAL/ STERILIZATION, SEXUAL, adverse effects/ STERILIZATION, SEXUAL, instrumentation/ TESTIS, metabolism/ TISSUE BANKS/ URIC ACID, metabolism/ VAS DEFERENS, innervation/ VASECTOMY, adverse effects/ VASECTOMY, instrumentation

I768. Johnson GK, Geenen JE, Hensley GT, et al: Small intestinal disease, folate deficiency anemia, and oral contraceptive agents. Am J Dig Dis 18:185-90, Mar 73
ADULT/ *ANEMIA, SIDEROBLASTIC, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ *ENTERITIS, REGIONAL, complications/ FEMALE/ HUMAN/ INTESTINE, SMALL, pathology/ MESTRANOL, adverse effects/ NORETHINDRONE, adverse effects/ *SPRUE, complications/ SPRUE, pathology

I769. Johnson JA, Davis JO: Angiotensin. II. Important role in the maintenance of arterial blood pressure.
Science 179:906-7, 2 Mar 73
ADRENAL GLANDS, drug effects/ ALANINE, pharmacodynamics/ ALDOSTERONE, secretion/ ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN, pharmacodynamics/ *ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ ASCITES/ *BLOOD PRESSURE/ DOGS/ FEMALE/ FEMORAL ARTERY/ HYDROCORTISONE, secretion/ LIGATION/ REGIONAL BLOOD FLOW, drug effects/ RENIN, blood/ SARCOSINE, pharmacodynamics/ VENA CAVA, INFERIOR

I770. Johnson RH, Rennie MJ: Changes in fat and carbohydrate metabolism caused by moderate exercise in patients with acromegaly.
Clin Sci 44:63-71, Jan 73
ACROMEGALY, blood/ *ACROMEGALY, metabolism/ ADULT/ BLOOD SUGAR, analysis/ *CARBOHYDRATES, metabolism/ ESTERS, metabolism/ *EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ HUMAN/ INSULIN, blood/ KETONE BODIES, blood/ LACTATES, blood/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ PYRUVATES, blood/ SOMATOTROPIN, blood

I771. Johnson WA, Tiefer L: Sexual preferences in neonatally castrated male golden hamsters.
Physiol Behav 9:213-7, Aug 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *APPETITIVE BEHAVIOR, drug effects/ BENZOATES/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ HAMSTERS/ MALE/ PROBABILITY/ *PROGESTERONE, pharmacodynamics/ PROPIONATES/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

I772. Jolie P, Vanhecke J, Sonck W: Een geval van pachydermoperiostose.
J Belge Rhumatol Med Phys 27:274-83, 1972 (Dut
ACROMEGALY, diagnosis/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ LEPROSY, diagnosis/ MALE/ OSTEITIS DEFORMANS, diagnosis/ *OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC, diagnosis/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, diagnosis/ PERIOSTITIS, diagnosis/ SYPHILIS, diagnosis

I773. Jolin T: Effect of ether anesthesia on circulating insulin levels of rats on different goitrogens.
Hormones 3:31-5, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ CHLORATES/ CHLORATES, pharmacodynamics/ DIET/ *ETHYL ETHER, pharmacodynamics/ HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, metabolism/ *INSULIN, blood/ IODINE, administration & dosage/ MALE/ POTASSIUM POTASSIUM, pharmacodynamics/ RATS/ THIOCYANATES/ THIOCYANATES, pharmacodynamics/ THIOURACIL/ THIOURACIL, pharmacodynamics

I774. Jolin T, Nuñez J, Mora RJ: Effect of thyroidectomy an of several goitrogens on -glucuronidase activity an insulin levels of rats. Hormones 3:228-34, 197
ANIMAL EXPERIMENTS/ CHLORATES/ CHLORATES, pharmacodynamics/ DIET/

*GLUCURONIDASE, blood/ *GOITER, chemically induced/ *INSULIN, blood/ IODINE, administration & dosage/ IODINE, analysis/ MALE/ RATS/ THIOCYANATES/ THIOCYANATES, pharmacodynamics/ THIOURACIL/ THIOURACIL, pharmacodynamics/ THYROID GLAND, analysis/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROID HORMONES, physiology/ THYROIDECTOMY

1775. **Jonas HA, Salamonsen LA, Burger HG, et al:** The rôle of a gonadotrophin-releasing factor (Gn-RH) in the oestrogen-induced release of FSH and LH in the ewe.
J Reprod Fertil 32:341, Feb 73
ANIMAL EXPERIMENTS/ *ESTROGENS, pharmacodynamics/ ESTRUS/ FEMALE/ FSH, blood/ *FSH, secretion/ HYPOPHYSECTOMY/ LH, blood/ *LH, secretion/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ SHEEP

1776. **Jonasson LE:** The clinical value of amniotic fluid analysis in pregnancies complicated by Rh-isoimmunization or hepatosis.
Acta Obstet Gynecol Scand 52:113-30, 1973
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, enzymology/ *ANTIBODY FORMATION/ BILIRUBIN, analysis/ BIRTH WEIGHT/ BLOOD/ ESTROGENS, analysis/ FEMALE/ HEMOGLOBIN, analysis/ HUMAN/ *LIVER DISEASES/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROGESTERONE, analysis/ PROTEINS, analysis/ *RH FACTORS/ TIME FACTORS/ UMBILICAL CORD

1777. **Jones CW, Peter RE, Pickering BT:** Intraneuronal transport in the hypothalamoneurohypophysial system of the goldfish (Carassius auratus).
Gen Comp Endocrinol 20:99-106, Feb 73
ANIMAL EXPERIMENTS/ *AXOPLASMIC FLOW/ CHROMATOGRAPHY, ION EXCHANGE/ *CYPRINIDAE, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *OXYTOCIN/ TIME FACTORS/ TRITIUM/ TYROSINE, metabolism

1778. **Jones CW, Pickering BT:** Intra-axonal transport and turnover of neurohypophysial hormones in the rat.
J Physiol (Lond) 227:553-64, Dec 72
ANIMAL EXPERIMENTS/ *AXONS, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, secretion/ INJECTIONS, INTRATHECAL/ MALE/ OXYTOCIN, isolation & purification/ *OXYTOCIN, metabolism/ OXYTOCIN, secretion/ RATS/ SECRETORY RATE/ TIME FACTORS/ TRITIUM/ TYROSINE, administration & dosage/ TYROSINE, metabolism/ VASOPRESSIN, isolation & purification/ *VASOPRESSIN, metabolism/ VASOPRESSIN, secretion

1779. **Jones DH, Rosano TG:** Studies of mitochondrial development prior to lactogenesis in the mouse mammary gland.
Arch Biochem Biophys 153:130-8, Nov 72
ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CYTOCHROME OXIDASE, metabolism/ DNA, metabolism/ EPITHELIAL CELLS, enzymology/ EPITHELIAL CELLS, growth & development/ FEMALE/ *LACTATION/ MAMMAE, cytology/ MAMMAE, enzymology/ *MAMMAE, growth & development/ MAMMAE, metabolism/ MICE/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, growth & development/ MITOCHONDRIA, metabolism/ PREGNANCY/ PROTEINS, metabolism/ SUCCINATE DEHYDROGENASE, metabolism

1780. **Jones ER:** The microbiological hydroxylation of steroids and related compounds.
Pure Appl Chem 33:39-52, 1973
*ANDROSTANES, metabolism/ *ASCOMYCETES, metabolism/ HYDROXYLATION/ KETOSTEROIDS, metabolism/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP

1781. **Jones FE:** Chronic adrenal cortical insufficiency--Addison's disease.
J Am Pharm Assoc 13:99-102, Feb 73
*ADDISON'S DISEASE/ HUMAN/ STRESS, complications

1782. **Jones GE, Boyns AR, Bel ET, et al:** Immunoreactive luteinizing hormones and progesterone during pregnancy and following gonadotrophin administration in beagle bitches.
Acta Endocrinol (Kbh) 72:573-81, Mar 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *DOGS/ ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ IODINE ISOTOPES/ *LH, blood/ LH, secretion/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ TIME FACTORS

1783. **Jones GR, Proudfoot AT, Hall JI:** Pulmonary effects of acute exposure to nitrous fumes.
Thorax 28:61-5, Jan 73
ACCIDENTS, INDUSTRIAL/ ACUTE DISEASE/ ADULT/ ANOXIA, chemically induced/ *BRONCHITIS, chemically induced/ BRONCHITIS, drug therapy/ BRONCHITIS, physiopathology/ CARBON DIOXIDE, blood/ ENVIRONMENTAL EXPOSURE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ *NITROGEN OXIDES, poisoning/ PREDNISOLONE, therapeutic use/ PULMONARY DIFFUSING CAPACITY/ *PULMONARY EDEMA, chemically induced/ PULMONARY EDEMA, drug therapy/ PULMONARY EDEMA, physiopathology/ SPIROMETRY

1784. **Jones HL:** A new product for management of dermatoses. Mod Vet Pract 53:29-31, Nov 72 (14 ref.)
ANIMAL EXPERIMENTS/ *CAT DISEASES, drug therapy/ CATS/ DERMATOMYCOSIS, drug therapy/ DERMATOMYCOSIS, veterinary/ DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ *DOG DISEASES, drug therapy/ DOGS/ NEOMYCIN, adverse effects/ NEOMYCIN, therapeutic use/ OTITIS EXTERNA, drug therapy/ OTITIS EXTERNA, veterinary/ REVIEW/ SKIN DISEASES, drug therapy/ *SKIN DISEASES, veterinary/ THIABENDAZOLE, adverse effects/ THIABENDAZOLE, therapeutic use

1785. **Jones MT, Brush FR, Neame RL:** Characteristics of fast feedback control of corticotrophin release by corticosteroids. J Endocrinol 55:489-97, Dec 72
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, analysis/ *CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ FEEDBACK/ INJECTIONS, INTRAPERITONEAL/ MALE/ RATS/ STRESS

1786. **Jones RE, Roth JJ, Gerrard AM, et al:** Endocrine control of clutch size in reptiles. I. Effects of FSH on ovarian follicular size-gradation in Leiolopisma laterale and Anolis carolinensis.
Gen Comp Endocrinol 20:190-8, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ FSH, administration & dosage/ *FSH, pharmacodynamics/ *GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ *LIZARDS, physiology/ ORGAN WEIGHT/ OVARY, anatomy & histology

1787. **Jones RL, Cammock S, Horton EW:** Partial purification and properties of cat plasma prostaglandin A isomerase. Biochim Biophys Acta 280:588-601, 8 Dec 72
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DOGS/ DRUG STABILITY/ FEMALE/ GUINEA PIGS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *ISOMERASES, blood/ ISOMERASES, isolation & purification/ MALE/ MASS SPECTRUM ANALYSIS/ PROSTAGLANDINS/ PROSTAGLANDINS, isolation & purification/ RABBITS/ RATS/ SHEEP/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SWINE/ TEMPERATURE

1788. **Joó F:** Effect of N 6 O 2 -dibutyryl cyclic 3',5'-adenosine monophosphate on the pinocytosis of brain capillaries of mice. Experientia 28:1470-1, 15 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER, drug effects/ *BRAIN, blood supply/ BRAIN, cytology/ CAPILLARIES, cytology/ *CAPILLARIES, drug effects/ EPITHELIAL CELLS, physiology/ MICE/ *PINOCYTOSIS, drug effects

1789. **Jorgensen FS, Nielsen SP:** Effects of long-term administration of bendroflumethiazide on bone metabolism in the rat.
Acta Pharmacol Toxicol (Kbh) 31:521-8, 1972
ANIMAL EXPERIMENTS/ *BENDROFLUMETHIAZIDE, pharmacodynamics/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ BONE MATRIX, metabolism/ BONE RESORPTION/ CALCIUM, blood/ CALCIUM ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYPROLINE, urine/ MALE/ RATS

1790. **Jorgensen JV, Brandrup F, Schroll M:** Possible synergism between iodine and lithium carbonate.
JAMA 223:192-3, 8 Jan 73
AGED/ BASAL METABOLISM/ CHOLESTEROL, blood/ *DRUG SYNERGISM/ HUMAN/ *IODIDES, adverse effects/ IODIDES, therapeutic use/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MALE/ *MYXEDEMA, chemically induced/ RHEUMATISM, drug therapy/ *THYROID GLAND, drug effects

1791. **Jorgensen PL:** The role of aldosterone in the regulation of (Na + + K +)-ATPase in rat kidney.
J Steroid Biochem 3:181-91, Feb 72
ADENOSINE TRIPHOSPHATASE, isolation & purification/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDOSTERONE, administration & dosage/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ EPITHELIAL CELLS, metabolism/ IN VITRO/ *KIDNEY, enzymology/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ KIDNEY MEDULLA, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ OUABAIN, pharmacodynamics/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ POTASSIUM/ RATS/ SODIUM/ SODIUM, pharmacodynamics/ TIME FACTORS/ TRITIUM

1792. **Jorgensen V:** One-year contraceptive follow-up of adolescent patients.
Am J Obstet Gynecol 115:484-6, 15 Feb 73
ADOLESCENCE/ CHILD/ *CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVE DEVICES, adverse effects/ CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ COUNSELING/ FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, chemically induced/ INTRAUTERINE DEVICES/ PEER GROUP/ PENNSYLVANIA/ PREGNANCY/ PUERPERIUM

1793. **Joseph BS, Johns TR:** Recurrence of nonneoplastic thymus after thymectomy for myasthenia gravis. Report of two cases.
Neurology (Minneap) 23:109-16, Feb 73
ADOLESCENCE/ AUTOPSY/ CHOLINESTERASE INHIBITORS, therapeutic use/ CORTICOTROPIN, therapeutic use/ ELECTROMYOGRAPHY/ EVALUATION STUDIES/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, pathology/ *MYASTHENIA GRAVIS, surgery/ RECURRENCE/ *THYMECTOMY/ THYMUS GLAND, pathology

1794. **Joseph D, Bookalil M:** Clinical comparison of tubocurarine and pancuronium.
Anaesth Intensive Care 1:75-8, Aug 72
*ANDROSTANES, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, pharmacodynamics/ FEMALE/ HUMAN/ *INTUBATION, INTRATRACHEAL/ MALE/ MIDDLE AGE/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ PULSE, drug effects/ TIME FACTORS/ TUBOCURARINE, administration & dosage/ *TUBOCURARINE, pharmacodynamics

1795. **Joseph SA, Knigge KM:** Neural regulation of TSH secretion: thyroxine feedback in the newborn.
Neuroendocrinology 10:197-206, 1972
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ CATS/ DENERVATION/ FEEDBACK/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ IODINE ISOTOPES/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, analysis/ *THYROTROPIN, secretion/ THYROXINE, administration & dosage/ THYROXINE, pharmacodynamics/ *THYROXINE, physiology

1796. **Josso N:** Activité inhibitrice du testicule de faetus de veau sur le canal de Müller de faetus de rat, en culture organotypique: rôle des tubes séminiféres.
C R Acad Sci [D] (Paris) 274:3573-6, 26 Jun 72 (Fr
ANIMAL EXPERIMENTS/ CATTLE/ *CELL DIFFERENTIATION, drug effects/ FETUS/ IN VITRO/ MALE/ MULLERIAN DUCTS, drug effects/ *MULLERIAN DUCTS, embryology/ RATS/ *SEMINAL VESICLES/ *TESTIS/ TISSUE CULTURE/ *TISSUE EXTRACTS, pharmacodynamics

1797. **Jousset FX:** Le virus iota de "Drosophila immigran étudié chez "D. melanogaster": symptome de sensibilité au CO 2 descriptions des anomali provoquées chez l'hôte.
Ann Inst Pasteur (Paris) 123:275-88, Aug 72 (Fr
ANIMAL EXPERIMENTS/ *CARBON DIOXID pharmacodynamics/ DIGESTIVE SYSTEM, pathology/ DROSOPHILA/ *DROSOPHILA MELANOGASTER/ DROSOPHILA MELANOGASTER, pathogenicity/ ENGLISH ABSTRACT/ FEMALE/ FERTILITY, drug effects/ *HYPERSENSITIVITY, DELAYED, etiology/ HYPERSENSITIVITY, DELAYED, physiopathology/ *INSECT VIRUSES/ MALE/ OVARY, drug effects/ OVARY, physiopathology/ PICORNAVIRUS/ SEX FACTORS/ TEMPERATURE/ TIME FACTOR *VIRUS DISEASES, complications/ VIRUS DISEASES, physiopathology

1798. **Jovanović S, Zivanović S, Lotrić N:** A study sex-determined characteristics of the hip bones pathologically deformed female pelves using t method of Sauter and Privat.
Acta Anat (Basel) 84:62-70, 1973
*ACETABULUM, anatomy & histology/ ANTHROPOMETRY/ FEMALE/ *HIP DISLOCATION/ HIP DISLOCATION, CONGENITAL/ HUMAN/ *ILIUM, anatomy &

histology/ *ISCHIUM, anatomy & histology/ METHODS/ OSTEOMYELITIS/ *SEX DETERMINATION

1799. **Juchmes J, Cession-Fossion A, Lecomte J:** Autorégulation du débit sanguin surrénalien au cours de la saignée. C R Soc Biol (Paris) 166:744-6, 1972 (Fre)
*ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ *BLOODLETTING/ CATECHOLAMINES, blood/ DOGS/ HEMODYNAMICS/ *HOMEOSTASIS/ HYPOTENSION/ REGIONAL BLOOD FLOW/ VASCULAR RESISTANCE

1800. **Judd HL, Yen SS:** Serum androstenedione and testosterone levels during the menstrual cycle. J Clin Endocrinol Metab 36:475-81, Mar 73
ADULT/ *ANDROSTENES, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *MENSTRUATION/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TRITIUM

1801. **Judis J:** Displacement of sulfonylureas from human serum proteins by coumarin derivatives and cortical steroids. J Pharm Sci 62:232-7, Feb 73
ACETOHEXAMIDE, metabolism/ ACETOHEXAMIDE, pharmacodynamics/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ALPHA GLOBULIN, metabolism/ CHLORPROPAMIDE, metabolism/ COUMARINS, administration & dosage/ *COUMARINS, pharmacodynamics/ DIPHENADIONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYDROGEN-ION CONCENTRATION/ PROTEIN BINDING, drug effects/ *SERUM ALBUMIN, metabolism/ SULFONYLUREA COMPOUNDS, antagonists & inhibitors/ *SULFONYLUREA COMPOUNDS, blood/ TOLBUTAMIDE, metabolism

1802. **Juel-Jensen BE:** Herpes simplex and zoster. Br Med J 1:406-10, 17 Feb 73
AGE FACTORS/ CENTRAL NERVOUS SYSTEM DISEASES/ CONJUNCTIVITIS/ CYTARABINE, therapeutic use/ DIMETHYL SULFOXIDE, therapeutic use/ ECZEMA/ FINGERS/ GENITAL DISEASES, MALE/ GYNECOLOGIC DISEASES/ *HERPES SIMPLEX/ HERPES SIMPLEX, congenital/ HERPES SIMPLEX, drug therapy/ HERPES SIMPLEX, immunology/ *HERPES ZOSTER/ HERPES ZOSTER, drug therapy/ HERPESVIRUS HOMINIS/ HUMAN/ IDOXURIDINE, therapeutic use/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES/ KERATITIS, DENDRITIC/ STEROIDS, adverse effects/ STOMATITIS

1803. **(Julesz M), Góth E:** Julesz Miklós (1904-1972. Orv Hetil 113:2934-5, 3 Dec 72 (Hun)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUNGARY

1804. **Junaid TA, Nkposong EO, Kolawole TM:** Cutaneous meningiomas and an ovarian fibroma in a three-year-old girl. J Pathol 108:165-7, Oct 72
CHILD, PRESCHOOL/ FEMALE/ *FIBROMA, pathology/ HUMAN/ *MENINGIOMA, pathology/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ *OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ SKIN, pathology/ *SKIN NEOPLASMS, pathology

1805. **Junginger T, Finsterer H, Pichlmaier H:** Die Punktionsdiagnostik von Schilddrüsenerkrankungen. Munch Med Wochenschr 115:306-10, 23 Feb 73 (Ger)
ADENOCARCINOMA, diagnosis/ BIOPSY, NEEDLE/ CARCINOMA, diagnosis/ CARCINOMA, PAPILLARY, diagnosis/ CYSTS, diagnosis/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GOITER, NODULAR, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ RADIOISOTOPE SCANNING/ SARCOMA, diagnosis/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, diagnosis

K

1806. **Kagan N, Finsterbusch A:** Experimental spondylosis in rabbits as a local response to herniation of autogenous nucleus pulposus. Isr J Med Sci 8:1987-92, Dec 72
ANIMAL EXPERIMENTS/ AUTOIMMUNE DISEASES/ *DISEASE MODELS, ANIMAL/ HYDROCORTISONE, therapeutic use/ *INTERVERTEBRAL DISK DISPLACEMENT, complications/ INTERVERTEBRAL DISK DISPLACEMENT, pathology/ RABBITS/ SPINAL OSTEOPHYTOSIS, drug therapy/ *SPINAL OSTEOPHYTOSIS, etiology/ SPINAL OSTEOPHYTOSIS, immunology/ SPINAL OSTEOPHYTOSIS, pathology

1807. **Kahane I, Ne'eman Z, Razin S:** Divalent cations in native and reaggregated mycoplasma membranes. J Bacteriol 113:666-71, Feb 73
BACTERIAL PROTEINS, analysis/ BINDING SITES/ *CALCIUM, analysis/ CALCIUM, metabolism/ *CELL MEMBRANE, analysis/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ EDTA, pharmacodynamics/ LIPIDS, analysis/ *MAGNESIUM, analysis/ MAGNESIUM, metabolism/ *MYCOPLASMA, analysis/ MYCOPLASMA, growth & development/ MYCOPLASMA LAIDLAWII, analysis/ MYCOPLASMA LAIDLAWII, growth & development/ MYCOPLASMA LAIDLAWII, metabolism/ MYCOPLASMA MYCOIDES, analysis/ MYCOPLASMA MYCOIDES, growth & development/ OLEIC ACID/ PRONASE, pharmacodynamics/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TRITIUM

1808. **Kahn S, Sagel J, Eales L, et al:** The significance of serum creatinine and the blood urea-serum creatinine ratio in azotaemia. S Afr Med J 46:1828-32, 25 Nov 72
ACUTE DISEASE/ ADULT/ CHRONIC DISEASE/ *CREATININE, blood/ DIET THERAPY/ DIETARY PROTEINS/ FEMALE/ FEVER, blood/ FEVER, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, blood/ HUMAN/ KIDNEY FAILURE, ACUTE, blood/ KIDNEY FAILURE, ACUTE, therapy/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PERITONEAL DIALYSIS/ PNEUMONIA, blood/ PREDNISONE, therapeutic use/ TETRACYCLINE, therapeutic use/ *UREA, blood/ *UREMIA, blood

1809. **Kaiser N, Milholland RJ, Rosen F:** Glucocorticoid-binding macromolecules in rat and mouse thymocytes. J Biol Chem 248:478-83, 25 Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BUFFERS/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, THIN LAYER/ DEXAMETHASONE, metabolism/ *GLUCOCORTICOIDS/ HYDROCORTISONE, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ MICE/ OSMOLAR CONCENTRATION/ RATS/ *RECEPTORS, DRUG/ SPECIES SPECIFICITY/ TEMPERATURE/ THYMUS GLAND, cytology/ *THYMUS GLAND, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism/ TRITIUM/ ULTRACENTRIFUGATION

1810. **Kaiser R:** Ovulationshemmer als Proliferationshemmer.
Gehurtshilfe Frauenheilkd 33:23-7, Jan 73 (Ger)
CELL COUNT/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ EOSINOPHILS, drug effects/ EPITHELIAL CELLS, drug effects/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/

MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ OVULATION/ VAGINA, drug effects

1811. **Kaiser R, Schneider E:** Die Beeinflussung der Mitosezahl von Endometriumcarcinomen durch 17-Hydroxynorprogesteroncapronat bei der Frau. Arch Gynaekol 212:397-400, 1972 (Ger)
CELL DIFFERENTIATION/ *CELL DIVISION, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MITOSIS/ *PREGNANES, pharmacodynamics/ PREGNANES, therapeutic use/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, physiopathology

181[illegible] **Kaiser W, Krosch H, Schmidt GA:** Die Kalzium-Verlust-Niere des multiplen Myeloms und ihre metabolischen Konsekutivreaktionen. Z Gesamte Inn Med 27:995-9, 15 Nov 72 (Ger)
ADENOMA, metabolism/ ADRENAL GLAND NEOPLASMS, metabolism/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *MULTIPLE MYELOMA, metabolism/ NEPHROSIS, [illegible]tology/ *NEPHROSIS, metabolism/ [illegible]ARATHYROID NEOPLASMS, metabolism/ [illegible]HYROIDECTOMY

1813. **Kaiser W, Laszlo F, Schmidt GA:** Zum urologischen Syndrom des primären Hyperparathyreoidismus. Z Gesamte Inn Med 27:999-1003, 15 Nov 72 (Ger)
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CALCIUM, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ KIDNEY CALCULI, surgery/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ MIDDLE AGE/ NEPHRECTOMY/ PHOSPHATES, blood/ PYELONEPHRITIS, complications

1814. **Kakati S, Sinha AK:** Banding patterns of Chinese hamster chromosomes. Genetics 72:357-62, Oct 72
BONE MARROW CELLS/ CELL LINE/ CELLS, CULTURED/ *CHROMOSOMES/ FEMALE/ HAMSTERS/ KIDNEY, cytology/ MALE/ PERITONEUM, cytology/ SEX CHROMOSOMES/ STAINS AND STAINING/ TESTIS, cytology

1815. **Kakehi H, Saegusa K:** [New recommendations by the International Atomic Energy Agency: on the determination of 99mTcO 4 uptake by the thyroid] Jap J Clin Radiol 17:869-74, Nov 72 (Jap)
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *RADIOISOTOPE SCANNING, standards/ *TECHNETIUM/ *THYROID GLAND FUNCTION TESTS, standards

1816. **Kakita M:** [Regulatory action of estrogen and progesterone in DNA synthesis of the endometrium] Folia Endocrinol Jap 49:17-31, 20 Jan 73 (Jap)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIVISION, drug effects/ CHROMATOGRAPHY, PAPER/ CYCLOHEXIMIDE, pharmacodynamics/ *DNA, biosynthesis/ *ENDOMETRIUM, metabolism/ ENGLISH ABSTRACT/ EPINEPHRINE, physiology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAVENOUS/ ORGAN CULTURE/ OVARY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ RATS/ THYMIDINE, metabolism/ THYMIDINE KINASE, metabolism/ TRITIUM

1817. **Kakiuchi H, Takahashi K:** [Panhypopituitarism with hepatic ceroid storage disease] Jap J Clin Med 30:2367-71, Nov 72 (Jap)
ADOLESCENCE/ AUTOPSY/ HUMAN/ *HYPOPITUITARISM, complications/ LIVER, pathology/ *LIVER DISEASES, complications/ LIVER DISEASES, metabolism/ LIVER DISEASES, pathology/ MALE/ *PIGMENTATION DISORDERS, complications/ PIGMENTATION DISORDERS, pathology/ *PIGMENTS, metabolism

1818. **Kalimo H, Rinne UK:** Ultrastructural studies on the hypothalamic neurosecretory neurons of the rat. II. The hypothalamo-neurohypophysial system in rats with hereditary hypothalamic diabetes insipidus. Z Zellforsch Mikrosk Anat 134:205-25, 1972
ANIMAL EXPERIMENTS/ AXONS/ CELL NUCLEOLUS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ DIABETES INSIPIDUS, familial & genetic/ DIABETES INSIPIDUS, pathology/ *DIABETES INSIPIDUS, veterinary/ ENDOCYTOSIS/ ENDOPLASMIC RETICULUM/ EXOCYTOSIS/ FEMALE/ GOLGI APPARATUS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, pathology/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NERVE ENDINGS, cytology/ *NEURONS/ NEUROSECRETION/ PROTEINS/ RATS/ RIBOSOMES

1819. **Kalina Z, Foremny Z, Wojnar J, et al:** Wyniki testu Kaya i biopsji błony śluzowej żołądka w chorobie Addisona. Pol Tyg Lek 28:4-5, 1 Jan 73 (Pol)
*ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, physiopathology/ ADULT/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ *GASTRIC MUCOSA, pathology/ GASTRIC MUCOSA, secretion/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS

1820. **Kalivas J:** Acne vulgaris--fact, fancy, and in between. Ration Drug Ther 7:1-5, Mar 73
ACNE, drug therapy/ ACNE, etiology/ ACNE, radiotherapy/ *ACNE, therapy/ ADOLESCENCE/ ANDROGENS, physiology/ DERMABRASION/ DIET THERAPY/ DIURETICS, therapeutic use/ ESTROGENS, therapeutic use/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ SKIN, metabolism/ TESTOSTERONE, antagonists & inhibitors/ TETRACYCLINE, therapeutic use/ VITAMIN A, therapeutic use

1821. **Kalkwarf DR, Sikov MR, Smith L, et al:** Release of progesterone from polyethylene devices in vitro and in experimental animals. Contraception 6:423-31, Nov 72
ANIMAL EXPERIMENTS/ BARIUM SULFATE/ DELAYED-ACTION PREPARATIONS/ FEMALE/ FERTILITY, drug effects/ IN VITRO/ INTRAUTERINE DEVICES/ ISOTONIC SOLUTIONS/ METHODS/ PERITONEAL CAVITY/ POLYETHYLENES/ PROGESTERONE, analysis/ PROGESTERONE, pharmacodynamics/ RATS/ SERUM ALBUMIN/ SPECIAL LIST REPRODUCTION/ SWINE

1822. **Kallen RJ, Lewis EJ:** "Immunosuppressive" treatment of "chronic glomerulonephritis". J Pediatr 82:335-9, Feb 73 (45 ref.)
ANIMAL EXPERIMENTS/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CHILD/ CHRONIC DISEASE/ CLINICAL RESEARCH/ CYCLOPHOSPHAMIDE, therapeutic use/ FOLLOW-UP STUDIES/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, mortality/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IMMUNITY, CELLULAR/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ NEPHROTIC SYNDROME, drug therapy/ OVARY, drug effects/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REVIEW/ STERILITY, chemically induced/ TESTIS, drug effects

1823. **Kalra PS, Fawcett CP, Krulich L, et al:** The effects of gonadal steroids on plasma gonadotropins and prolactin in the rat. Endocrinology 92:1256-68, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ MALE/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, blood/ RATS/

TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1824. **Kaltenbach FJ, Hillemanns HG, Fettig O, et al:** Thrombin cell block technic in gynecologic cytodiagnosis.
Acta Cytol (Baltimore) 17:128-30, Mar-Apr 73
ADENOCARCINOMA, diagnosis/ *ASCITIC FLUID, cytology/ *CYTODIAGNOSIS/ *CYTOLOGICAL TECHNICS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis

1825. **Kamata M:** Effect of parathyroid hormone on tooth movement in rats.
Bull Tokyo Med Dent Univ 19:411-25, Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CELL COUNT/ MALE/ MOLAR, anatomy & histology/ OSTEOCLASTS, cytology/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ RATS/ SPECTROPHOTOMETRY/ TOOTH, anatomy & histology/ *TOOTH MOBILITY

1826. **Kamata S:** [Endocrine environment of pregnancy, a study of urinary hormones]
Clin Endocrinol (Tokyo) 20:709-14, Sep 72 **(Jap)**
ABORTION, THREATENED, urine/ CORPUS LUTEUM HORMONES, biosynthesis/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *LH, urine/ *PREGNANCY/ *PREGNANEDIOL, urine

1827. **Kamdom-Moyo J, Hajeri H, Winisdoerffer G, et al:** [Fetal suffering and chorioangioma. Study of fetal cardiac rhythm. Apropos of 2 cases.
J Gynecol Obstet Biol Reprod (Paris) 1:575-9, Sep 72 **(Fre)**
*ACIDOSIS, etiology/ ADULT/ ARRHYTHMIA, etiology/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, etiology/ FETAL HEART, physiopathology/ *HEMANGIOMA/ HUMAN/ INFANT, NEWBORN/ *PLACENTA DISORDERS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROGNOSIS

1828. **Kamiryo T, Matsuhashi M:** The biosyntbesis of the cross-linking peptides in the cell wall peptidoglycan of Staphylococcus aureus.
J Biol Chem 247:6306-11, 10 Oct 72
AMMONIUM SULFATE/ CALCIUM PHOSPHATES/ CARBON ISOTOPES/ CELL WALL, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, THIN LAYER/ ESCHERICHIA COLI/ GELS/ GLYCINE, metabolism/ KINETICS/ LIPIDS/ LIPIDS, isolation & purification/ MICROCOCCUS/ MOLECULAR WEIGHT/ PEPTIDES, biosynthesis/ *PEPTIDOGLYCAN, biosynthesis/ PRECIPITATION/ RNA, TRANSFER, metabolism/ STAPHYLOCOCCUS, cytology/ STAPHYLOCOCCUS, enzymology/ *STAPHYLOCOCCUS, metabolism/ THIOCYANATES/ TRITIUM

1829. **Kamiya M:** Hormonal effect on Na-K-ATPase activity in tbe gill of Japanese eel, Anguilla japonica, with special reference to seawater adaptation.
Endocrinol Jap 19:489-93, Oct 72
*ADAPTATION, PHYSIOLOGICAL/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *EELS, physiology/ *GILLS, enzymology/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ POTASSIUM/ PROLACTIN, pharmacodynamics/ SEAWATER/ SODIUM/ STIMULATION, CHEMICAL/ *WATER/

1830. **Kamvyssi-Dea S, Papadimitriou K, Dousaitou P:** Tbe use of pancuronium bromide in operations for renal insufficiency. Case reports.
Br J Anaesth 44:1217-8, Nov 72
ADULT/ AGED/ *ANDROSTANES/ *ANESTHESIA, GENERAL/ *CURARE-LIKE AGENTS/ FEMALE/ HUMAN/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, surgery/ MALE/ NEPHRECTOMY/ NEUROMUSCULAR JUNCTION, drug effects/ PANCURONIUM

1831. **Kanaar P, Plasmeijer JH:** An investigation of the influence of testosterone on a sebaceous gland model in organ-culture. Preliminary communication.
Dermatologica 144:353-4, 1972
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ GESTATIONAL AGE/ MICE/ MODELS, BIOLOGICAL/ ORGAN CULTURE/ PREGNANCY/ *SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, embryology/ *TESTOSTERONE, pharmacodynamics

1832. **Kanazawa T:** [Coupling mechanism of ATP hydrolysis to active transport in sarcoplasmic reticulum]
J Jap Biochem Soc 44:323-39, Aug 72 (63 ref.) **(Jap)**
ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ *ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ HYDROLYSIS/ KINETICS/ MAGNESIUM, metabolism/ PHOSPHORUS, metabolism/ REVIEW/ *SARCOPLASMIC RETICULUM, metabolism/ SURFACE-ACTIVE AGENTS

1833. **Kaneko K, Horikiri H:** [Simplified screening test for urinary estriol: evaluation of tbe E3-kit test for the analysis of nocturnal urine and the random urinary samples of pregnant women]
Clin Endocrinol (Tokyo) 20:751-4, Sep 72 **(Jap)**
*ESTRIOL, urine/ FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ PREGNANCY/ TIME

1834. **Kapen S, Boyar R, Hellman L, et al:** Episodic release of luteinizing hormone at mid-menstrual cycle in normal adult women. J Clin Endocrinol Metab 36:724-9, Apr 73
ADULT/ FEMALE/ HUMAN/ *LH, blood/ LH, secretion/ *MENSTRUATION/ *PERIODICITY/ RADIOIMMUNOASSAY/ SLEEP

1835. **Kapkaev RA, Abaliants LA:** Primenenie mazei flogosam and ftorokort v dermatologicheskoi.
Vestn Dermatol Venerol 46:68-9, Sep 72 **(Rus)**
*ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ OINTMENTS/ *SALICYLATES, administration & dosage/ SALICYLATES, therapeutic use/ *SAMARIUM, administration & dosage/ SAMARIUM, therapeutic use/ *SKIN DISEASES, drug therapy/ *TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use

1836. **Kapian HG, Hreshchyshyn MM:** Estetrol in molar pregnancies quantitated by a rapid gas chromatographic method in conjunction with estrone, estradiol-17 , estriol, and pregnanediol.
Am J Obstet Gynecol 115:803-10, 15 Mar 73
*CHROMATOGRAPHY, GAS/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, urine/ HYDROXYSTEROIDS, urine/ METHODS/ PREGNANCY/ *PREGNANEDIOL, urine/ TIME FACTORS

1837. **Kaplan J, Canonico PG, Caspary WJ:** Electron spin resonance studies of spin-labeled mammalian cells by detection of surface-membrane signals.
Proc Natl Acad Sci USA 70:66-70, Jan 73
ANDROSTANES/ CELL DIVISION/ CELL FRACTIONATION/ CELL MEMBRANE/ CELL NUCLEUS/ CELL SURVIVAL/ *ELECTRON SPIN RESONANCE/ ERYTHROCYTES, cytology/ FERRICYANIDES, metabolism/ HUMAN/ IRON ISOTOPES/ *L CELLS, cytology/ L CELLS, metabolism/ *LYMPHOCYTES, cytology/ LYMPHOCYTES, metabolism/ MICE/ MICROSOMES/

MITOCHONDRIA/ ORGANOPHOSPHORUS COMPOUNDS/ STEARIC ACID

1838. **Kaplanski J, Dorst W, Smelik PG:** Pituitary-adrenal activity and depletion of brain catecholamines after -methyl-p-tyrosine administration.
Eur J Pharmacol 20:238-40, Nov 72
ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, analysis/ DOPAMINE, analysis/ MALE/ METHYLTYROSINES, administration & dosage/ *METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, analysis/ PENTOBARBITAL, pharmacodynamics/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, secretion/ RATS/ RATS, INBRED STRAINS

1839. **Karan A, Ozand PT:** Biochemistry of the effects of asiaticoside on human polymorphonuclear leukocytes. Biochem Pharmacol 21:2773-8, 15 Oct 72
ANAEROBIOSIS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CYANIDES, pharmacodynamics/ GLUCOSE, metabolism/ *GLYCOSIDES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *LEUKOCYTES, drug effects/ LEUKOCYTES, metabolism/ METHYLENE BLUE, pharmacodynamics/ PHAGOCYTOSIS, drug effects/ *TERPENES, pharmacodynamics

1840. **Kardaszewicz E:** Próba immunoterapii ostrych białaczek szczeplonką BC.
Acta Haematol Pol 3:251-6, Jul-Sep 72 (Pol)
ACUTE DISEASE/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ *BCG VACCINATION/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOTHERAPY/ LEUKEMIA, drug therapy/ *LEUKEMIA, therapy/ MALE/ METHODS/ MIDDLE AGE/ RECURRENCE/ REMISSION/ TIME FACTORS

1841. **Karger T, Müller R, Hein F, et al:** Wirkungen von Testosteron auf den Phospholipid-Stoffwechsel in Vesikulardrüsen unreifer Ratten.
Hoppe Seylers Z Physiol Chem 353:1532, Oct 72 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ ETHANOLAMINES, administration & dosage/ INJECTIONS, SUBCUTANEOUS/ MALE/ *PHOSPHOLIPIDS, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics

1842. **Karger T, Müller R, Debuch H, et al:** Der Einfluss von Testosteron auf die Phospholipide der Samenblasen unreifer Ratten.
Hoppe Seylers Z Physiol Chem 353:1721-6, Nov 72 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CEPHALINS, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ ETHANOLAMINES/ MALE/ PHOSPHOINOSITIDES, analysis/ PHOSPHOINOSITIDES, metabolism/ PHOSPHOLIPIDS, analysis/ *PHOSPHOLIPIDS, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

1843. **Karim SM:** Prostaglandin developments in Uganda.
J Reprod Med 9:255-7, Dec 72
*ABORTION, INDUCED/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ *MENSTRUATION, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, physiology/ UGANDA/ *UTERUS, drug effects

1844. **Karim SM, Sharma SD, Fishie GM:** Termination of pregnancy with 15 methyl analogues of prostaglandins E 2 and F 2 . J Reprod Med 9:383-91, Dec 72
*ABORTION, THERAPEUTIC/ AMNIOTIC FLUID/ EVALUATION STUDIES/ FEMALE/ FETAL MEMBRANES/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *LABOR, INDUCED/ METHYLATION/ MUSCLE CONTRACTION/ PLACENTA, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS, drug effects/ VAGINA, drug effects

1845. **Karim SM, Sharma SD, Fishie GM:** Termination of second trimester pregnancy with intra-amniotic administration of prostaglandins E 2 and F 2 . J Reprod Med 9:427-33, Dec 72
*ABORTION, THERAPEUTIC/ AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ BABOONS/ BLADDER, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ FEMALE/ FEVER, chemically induced/ FOLLOW-UP STUDIES/ HEADACHE, chemically induced/ HUMAN/ MONKEYS/ NAUSEA, chemically induced/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ VOMITING, chemically induced

1846. **Karim SM, Sharma SD:** Oral administration of prostaglandin E 2 for the induction and acceleration of labor. J Reprod Med 9:346-52, Dec 72
ADMINISTRATION, ORAL/ CESAREAN SECTION/ DELIVERY/ DIARRHEA, chemically induced/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HEMORRHAGE, POSTPARTUM, chemically induced/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ *LABOR, INDUCED/ NAUSEA, chemically induced/ PREGNANCY/ PREGNANCY TOXEMIAS/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERINE RUPTURE, chemically induced/ VOMITING, chemically induced

1847. **Karp L, Herrmann WL:** Diagnosis and treatment of hirsutism in women.
Obstet Gynecol 41:283-94, Feb 73 (44 ref.)
ADRENAL GLAND DISEASES, congenital/ ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLANDS, metabolism/ ANDROGENS, metabolism/ ANDROGENS, physiology/ ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ *HIRSUTISM/ HIRSUTISM, drug therapy/ HIRSUTISM, familial & genetic/ HUMAN/ HYPERPLASIA/ MENSTRUATION DISORDERS, etiology/ OVARIAN DISEASES, complications/ OVARIAN DISEASES, diagnosis/ OVARIAN NEOPLASMS, complications/ OVARY, metabolism/ PROGESTERONE, therapeutic use/ REVIEW/ SEBUM, metabolism/ SKIN, metabolism/ STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, pathology

1848. **Karsch FJ, Krey LC, Weick RF, et al:** Functional luteolysis in the rhesus monkey; the role of estrogen.
Endocrinology 92:1148-52, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CORPUS LUTEUM, drug effects/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LH, blood/ MACACA/ MONKEYS/ PROGESTERONE, blood/ RADIOIMMUNOASSAY

1849. **Kasdan R, Nankin HR, Troen P, et al:** Paternal transmission of maleness in XX human beings.
N Engl J Med 288:539-45, 15 Mar 73
ADULT/ ANDROGENS, blood/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FIBROBLASTS, cytology/ FLUORESCENT DYES/ FSH, blood/ GENES/ HERMAPHRODITISM, familial & genetic/ HERMAPHRODITISM, pathology/ HUMAN/ KARYOTYPING/ LH, blood/ LYMPHOCYTES, cytology/ MALE/ MITOSIS/ OVARY, pathology/ PEDIGREE/ PHENOTYPE/

QUINACRINE/ *SEX CHARACTERISTICS/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX DETERMINATION/ TESTIS, pathology

1850. **Kasemsri S, Bernardis LL, Schnatz JD:** Fat mobilization in adipose tissue of weaning rats with hypothalamic obesity. Hormones 3:97-104, 1972
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ EPIDIDYMIS, metabolism/ EPINEPHRINE, pharmacodynamics/ *FATS, metabolism/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ FATTY ACIDS, NONESTERIFIED, blood/ HYPOTHALAMUS, physiology/ IN VITRO/ INSULIN, blood/ LIPIDS, metabolism/ MALE/ *OBESITY, metabolism/ RATS/ SOMATOTROPIN, blood/ TRIGLYCERIDES, blood

1851. **Kastin AJ, Beach GD, Hawley WD, et al:** Dissociation of MSH and ACTH release in man.
J Clin Endocrinol Metab 36:770-2, Apr 73
ADULT/ CERVICAL VERTEBRAE, surgery/ *CORTICOTROPIN, blood/ CORTICOTROPIN, therapeutic use/ DEXAMETHASONE, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ *MSH, blood

1852. **Kastin AJ, Gual C, Schally AV:** Clinical experience with hypothalamic releasing bormones. 2. Luteinizing bormone-releasing bormone and other bypopbysiotropic releasing hormones.
Recent Prog Horm Res 28:201-27, 1972
ADULT/ ANOSMIA, blood/ CHILD/ CLOMIPHENE, pharmacodynamics/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, blood/ HUMAN/ HYPOGONADISM, blood/ KLINEFELTER'S SYNDROME, blood/ *LH, blood/ MALE/ MSH, antagonists & inhibitors/ OVULATION, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY NEOPLASMS/ REVIEW/ SWINE/ TURNER'S SYNDROME, blood

1853. **Kasubuchi Y, Sawada T, Nakamura T:** Successful treatment of neonatal retroperitoneal bemangioma witb corticosteroid. J Pediatr Surg 8:59-62, Feb 73
BETAMETHASONE, administration & dosage/ *BETAMETHASONE, therapeutic use/ FEMALE/ *HEMANGIOMA, CAVERNOUS, drug tberapy/ HEMANGIOMA, CAVERNOUS, patbology/ HEMANGIOMA, CAVERNOUS, radiograpby/ HEMANGIOMA, CAVERNOUS, surgery/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, drug tberapy/ INFANT, NEWBORN, DISEASES, patbology/ INFANT, NEWBORN, DISEASES, radiograpby/ INFANT, NEWBORN, DISEASES, surgery/ *RETROPERITONEAL NEOPLASMS, drug therapy/ RETROPERITONEAL NEOPLASMS, pathology/ RETROPERITONEAL NEOPLASMS, radiography/ RETROPERITONEAL NEOPLASMS, surgery/ THROMBOPENIA, drug therapy/ UROGRAPHY

1854. **Katana A, Konrády A, Bozi J:** A hypothyreotikus szív.
Orv Hetil 114:432-5, 25 Feb 73 (Hun)
ADULT/ AGED/ FEMALE/ *HEART DISEASES, etiology/ HUMAN/ *HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE/ *MYXEDEMA, complications

1855. **Kato T:** [Androgens]
Clin Endocrinol (Tokyo) 20:817-8, Oct 72 (Jap)
ANDROGENS, administration & dosage/ ANDROGENS, adverse effects/ *ANDROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE

1856. **Kattwinkel J, Lapey A, Di Sant'Agnese PA, et al:** Hereditary pancreatitis: three new kindreds and a critical review of tbe literature.
Pediatrics 51:55-69, Jan 73 (44 ref.)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMINO ACIDS, urine/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT/ INFUSIONS, PARENTERAL/ JEJUNUM, pathology/ LIPIDS, blood/ MALE/ MIDDLE AGE/ PANCREAS, pathology/ PANCREAS, physiopatbology/ PANCREATITIS, complications/ PANCREATITIS, diagnosis/ *PANCREATITIS, familial & genetic/ PANCREATITIS, pathology/ PANCREATITIS, physiopatbology/ PANCREATITIS, therapy/ PANCREATITIS, urine/ PARATHYROID GLANDS, physiopathology/ PEDIGREE/ REVIEW/ SEX FACTORS/ TENNESSEE/ VIRGINIA/ WEST VIRGINIA

1857. **Katz AM, Repke DI:** Calcium-membrane interactions in the myocardium: effects of ouabain, epinepbrine and 3',5'-cyclic adenosine monopbosphate.
Am J Cardiol 31:193-201, Feb 73 (60 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BINDING SITES/ BIOLOGICAL TRANSPORT/ BIOMECHANICS/ *CALCIUM, metabolism/ CELL FRACTIONATION/ *EPINEPHRINE, pharmacodynamics/ IN VITRO/ KINETICS/ MICROSOMES, metabolism/ *MYOCARDIUM, metabolism/ *OUABAIN, pharmacodynamics/ PHOSPHOTRANSFERASES, pharmacodynamics/ *POTASSIUM, metabolism/ PROTEIN BINDING/ REVIEW/ STIMULATION, CHEMICAL

1858. **Katz S, Stookey GK:** Further studies concerning tbe placental transfer of fluoride in tbe rat.
J Dent Res 52:206-10, Mar-Apr 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BONE AND BONES, analysis/ CELL MEMBRANE PERMEABILITY, drug effects/ FEMALE/ FLUORIDATION/ FLUORIDES, analysis/ *FLUORIDES, metabolism/ FLUORIDES, pharmacodynamics/ GESTATIONAL AGE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PREGNANCY, ANIMAL/ RATS/ SODIUM, pharmacodynamics/ TIN, pharmacodynamics/ ZIRCONIUM, pharmacodynamics

1859. **Katzenellenbogen BS, Katzenellenbogen JA:** Antiestrogens: studies using an in vitro estrogen-responsive uterine system.
Biochem Biophys Res Commun 50:1152-9, 20 Feb 73
ANIMAL EXPERIMENTS/ *BINDING, COMPETITIVE/ BINDING SITES/ CARBON ISOTOPES/ CELL NUCLEUS, drug effects/ CLOMIPHENE, pharmacodynamics/ CYTOSOL/ DIETHYLSTILBESTROL, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ IN VITRO/ PROTEINS, biosynthesis/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ UTERUS, cytology/ *UTERUS, drug effects

1860. **Kaufman HE:** Medical treatment of berpes.
Isr J Med Sci 8:1231-4, Aug-Sep 72
ADENINE, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTIVIRAL AGENTS, therapeutic use/ ARABINOSE, therapeutic use/ CYTARABINE, therapeutic use/ GLUCOCORTICOIDS, tberapeutic use/ HUMAN/ IDOXURIDINE, tberapeutic use/ *INTERFERON, biosynthesis/ *KERATITIS, DENDRITIC, drug tberapy/ MONKEYS/ *NUCLEOSIDES, therapeutic use/ POLY I-C, pharmacodynamics/ RABBITS

1861. **Kaufman JJ, Lupu AN:** Renovascular bypertension in patients with a solitary kidney.
Surg Gynecol Obstet 136:395-400, Mar 73
ADULT/ AGED/ ANGIOGRAPHY/ AORTOGRAPHY/ BLOOD FLOW VELOCITY/ BLOOD VESSELS, transplantation/ CHILD/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, etiology/ IODINE ISOTOPES, DIAGNOSTIC/ *KIDNEY, abnormalities/ KIDNEY, blood supply/ KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *NEPHRECTOMY/ RADIOISOTOPE SCANNING/ RECURRENCE/ REGIONAL BLOOD FLOW/ RENAL ARTERY OBSTRUCTION, blood/ *RENAL ARTERY

OBS RUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENAL ARTERY OBSTRUCTION, radiography/ RENAL ARTERY OBSTRUCTION, surgery/ RENIN, blood/ TRANSPLANTATION, AUTOLOGOUS

1862. **Kaung DT:** Leukemoid reaction in acute lymphoblastic leukemia: a response to chemotherapy.
J Iowa Med Soc 63:114-7, Mar 73
ACUTE DISEASE/ ADULT/ AGRANULOCYTOSIS, chemically induced/ *ANTINEOPLASTIC AGENTS, adverse effects/ BONE MARROW CELLS, drug effects/ CYTARABINE, adverse effects/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMOID REACTION, blood/ *LEUKEMOID REACTION, chemically induced/ MALE/ PREDNISONE, adverse effects/ VINCRISTINE, adv se effects

1863. **Kauppila A, Ylöstalo P, Litonius U:** Puerperal dilatation of upper urinary tract in relation to the site of the placenta, parity and the birth weight of the infant. Ann Chir Gynaecol Fenn 61:318-23, 1972
ADOLESCENCE/ ADULT/ BIRTH WEIGHT/ DILATATION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PARITY/ PLACENTA, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PUERPERAL DISORDERS, diagnosis/ *PUERPERAL DISORDERS, etiology/ PUERPERAL DISORDERS, physiopathology/ REGIONAL BLOOD FLOW/ TOMOGRAPHY/ ULTRASONICS, diagnostic use/ URETER, radiography/ URETERAL DISEASES, diagnosis/ *URETERAL DISEASES, etiology/ URETERAL DISEASES, physiopathology/ UTERUS, blood supply/ VEINS

1864. **Kavan EM, Julien RM, Lucero JJ:** Electrographic alterations induced in limbic and sensory systems during induction of anaesthesia with halothane, methoxyflurane, diethyl ether, and enflurane (Ethrane). Br J Anaesth 44:1234-9, Dec 72
ACTION POTENTIALS, drug effects/ AMYGDALOID BODY, drug effects/ *ANESTHESIA/ *ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ CATS/ CEREBRAL CORTEX, drug effects/ ELECTROENCEPHALOGRAPHY/ *ETHYL ETHER, pharmacodynamics/ *HALOTHANE, pharmacodynamics/ HIPPOCAMPUS, drug effects/ LIMBIC SYSTEM, drug effects/ *METHOXYFLURANE, pharmacodynamics/ RETICULAR FORMATION, drug effects/ THALAMUS, drug effects

1865. **Kawai A, Takashima H, Kuzuya N:** Mechanism of action of cortisol on glucose metabolism by adipose tissue.
Metabolism 22:503-6, Mar 73
*ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ AGAR/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ EPIDIDYMIS/ *GLUCOSE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ TRITIUM

1866. **Kawai M:** [Symptomatic treatment of bronchial asthma]
Bull Chest Dis Res Inst Kyoto Univ 6:81-5, Dec 72 (Jap)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ *ASTHMA, drug therapy/ BENZYL COMPOUNDS, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ HUMAN/ ISOQUINOLINES, therapeutic use/ SYMPATHOLYTICS, therapeutic use

1867. **Kawai T, Ida T, Morita T, et al:** [Loss of emission following retroperitoneal lymph node dissection in testicular tumor]
Jap J Urol 63:906-11, Nov 72 (Jap)
ADULT/ *EJACULATION/ ENGLISH ABSTRACT/ HUMAN/ *LYMPH NODE EXCISION/ MALE/ RETROPERITONEAL SPACE/ *TESTICULAR NEOPLASMS, physiopathology/ TESTICULAR NEOPLASMS, surgery

1868. **Kawakami M, Seto K, Kimura F, et al:** Influence of the fornix section on the biosynthesis of ovarian steroids in the rabbit. Endocrinol Jap 19:429-33, Oct 72
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ *HIPPOCAMPUS, physiology/ *HORMONES, biosynthesis/ *OVARY, metabolism/ OVULATION/ PREGNANES, biosynthesis/ PROGESTERONE, biosynthesis/ RABBITS

1869. **Kawakami M, Seto K, Terasawa E, et al:** Role of the limbic-hypothalamic system in relation to ovulation and ovarian steroidogenesis in the rats.
Med J Osaka Univ 23:57-75, Sep 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ESTROGENS, biosynthesis/ FEMALE/ *HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ *OVARY, metabolism/ *OVULATION/ PROGESTERONE, biosynthesis/ RATS

1870. **Kawakami M, Terasawa E:** Acute effect of neural deafferentation on timing of gonadotropin secretion before proestrus in the female rat.
Endocrinol Jap 19:449-59, Oct 72
ANIMAL EXPERIMENTS/ *BRAIN, physiology/ BRAIN MAPPING/ CASTRATION/ DIENCEPHALON, physiology/ *ESTRUS/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ LH, secretion/ NEURONS, AFFERENT, physiology/ OVULATION/ PROLACTIN, secretion/ RATS/ THALAMUS, physiology

1871. **Kayanja FI:** The ultrastructure of the corpus luteum of the impala, Aepyceros melampus (Lichtenstein 1812).
Anat Anz 132:123-36, 1972
ANIMAL EXPERIMENTS/ *ARTIODACTYLA, anatomy & histology/ *CORPUS LUTEUM, cytology/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PREGNANCY

1872. **Kayanja FI, Blankenship LH:** The ovary of the giraffe.
J Reprod Fertil 31:492, Dec 72
ANIMAL EXPERIMENTS/ *ARTIODACTYLA, anatomy & histology/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, embryology/ FEMALE/ *OVARY, anatomy & histology/ OVULATION/ PREGNANCY

1873. **Kayser J, Neumann J, Lavollay J:** Effets favorables exercés sur la longévité du rat Wistar par divers types de restrictions vitaminiques.
C R Acad Sci [D] (Paris) 274:3593-6, 26 Jun 72 (Fre)
ANIMAL EXPERIMENTS/ AVITAMINOSIS/ BODY HEIGHT/ BODY WEIGHT/ *GROWTH, drug effects/ *LONGEVITY, drug effects/ NEOPLASMS, occurrence/ RATS/ VITAMIN A/ VITAMIN B COMPLEX/ VITAMIN D/ VITAMIN E/ VITAMIN K/ *VITAMINS, pharmacodynamics

1874. **Keeley JL:** Hernias and related problems in infants and children. Postgrad Med 53:169-75, Mar 73
ABDOMINAL WALL, abnormalities/ CHILD/ CHILD, PRESCHOOL/ DIAPHRAGMATIC HERNIA, radiography/ DIAPHRAGMATIC HERNIA, surgery/ FEMALE/ *HERNIA/ HUMAN/ HYDROCELE, complications/ INFANT/ INFARCTION, complications/ INGUINAL HERNIA, complications/ INGUINAL HERNIA, radiography/ INGUINAL HERNIA, surgery/ MALE/ TESTIS, abnormalities/ TESTIS, blood supply/ UMBILICAL HERNIA, radiography/ UMBILICAL HERNIA, surgery/ UROGENITAL SYSTEM, abnormalities

1875. **Keeley LL:** Biogenesis of mitochondria: neuroendocrine effects on the development of respiratory functions in fat body mitochondria of the cockroach, Blaberus discoidalis.
Arch Biochem Biophys 153:8-15, Nov 72
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE,

cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, growth & development/ *ADIPOSE TISSUE, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ COCKROACHES/ CYTOCHROME C/ CYTOCHROME OXIDASE, metabolism/ CYTOCHROME REDUCTASES, metabolism/ DINITROPHENOLS, pharmacodynamics/ *ENDOCRINE GLANDS, physiology/ *HORMONES, pharmacodynamics/ HORMONES, physiology/ MALE/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, growth & development/ *MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION/ SUCCINATES

1876. **Kehlet H, Binder C, Engbaek C:** Imitation of the adreno-cortical response to surgery by intravenous infusion of synthetic human ACTH.
Acta Endocrinol (Khh) 72:75-80, Jan 73
*ADRENAL CORTEX HORMONES, blood/ CORTICOTROPIN, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, secretion/ FLUOROMETRY/ HUMAN/ SURGERY, OPERATIVE

1877. **Kehlet H, Binder C:** Vaerdien af en kortikotropin-stimulationstest til hedømmelse af hypothalamus-hypofyse-binyrebark aksen hos glukokortikoid-behandlede patienter.
Ugeskr Laeger 134:2089-92, 2 Oct 72 (Dan)
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, physiology/ *CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYPOTHALAMUS, physiology/ *PITUITARY GLAND, physiology/ STRESS/ SURGERY, OPERATIVE

1878. **Keich RP, Conte FA, Kaplan SL, et al:** Episodic secretion of luteinizing hormone (LH) in adolescent patients with the syndrome of gonadal dysgenesis.
J Clin Endocrinol Metab 36:424-7, Mar 73
ADOLESCENCE/ ADULT/ CHILD/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ FSH, blood/ HUMAN/ IODINE ISOTOPES/ *LH, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ *TURNER'S SYNDROME, blood

1879. **Keller PJ, Ruppen M, Gerber C, et al:** Placental function in prostaglandin induced labour.
J Obstet Gynaecol Br Commonw 79:804-6, Sep 72
ALKALINE PHOSPHATASE, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LABOR, INDUCED/ PLACENTA, drug effects/ *PLACENTA, physiology/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS, pharmacodynamics

1880. **Kelly PA, Bedirian KN, Baker RD, et al:** Effect of synthetic TRH on serum prolactin, TSH and milk production in the cow.
Endocrinology 92:1289-93, Apr 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *LACTATION, drug effects/ MILK, analysis/ *PROLACTIN, blood/ SODIUM CHLORIDE, pharmacodynamics/ *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

1881. **Kempe H, Hoffmann G:** Diagnostik und Behandlung des autonomen Adenoms der Schilddrüse mit Radiojod.
Munch Med Wochenschr 115:206-8, 9 Feb 73 (Ger)
*ADENOMA, diagnosis/ ADENOMA, radiotherapy/ ADULT/ AGED/ FEMALE/ HUMAN/ IODINE ISOTOPES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ RADIOTHERAPY DOSAGE/ SEX FACTORS/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radiotherapy

1882. **Kempf F, Capesius P, Mugel JL:** Un cas de calcinose pulmonaire au cours d'une myélomatose diffuse.
J Radiol Electrol Med Nucl 53:861-5, Dec 72 (Fre)
AGED/ *BONE NEOPLASMS, complications/ BONE RESORPTION, etiology/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ CALCIUM METABOLISM DISORDERS, etiology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERCALCEMIA, etiology/ KIDNEY FAILURE, ACUTE, etiology/ *LUNG DISEASES, etiology/ LUNG DISEASES, radiography/ MUCOPOLYSACCHARIDES, metabolism/ *MULTIPLE MYELOMA, complications/ PHOSPHORUS METABOLISM DISORDERS, etiology

1883. **Kennedy WR, Johnston AD, Becker A:** Massive articular osteolysis in rheumatoid arthritis, treated by total hip replacement. Case report and review of literature.
Clin Orthop 90:161-73, Jan-Feb 73
AGED/ ARTHRITIS, INFECTIOUS, complications/ *ARTHRITIS, RHEUMATOID, surgery/ *ARTHROPATHY, NEUROGENIC, complications/ *ARTHROPLASTY/ BONE RESORPTION, chemically induced/ *BONE RESORPTION, etiology/ BONE RESORPTION, pathology/ BONE RESORPTION, radiography/ BONE RESORPTION, surgery/ CASE REPORT/ CUSHING'S SYNDROME, complications/ FEMALE/ FEMUR HEAD, pathology/ FEMUR HEAD NECROSIS, complications/ GLUCOCORTICOIDS, adverse effects/ *HIP, surgery/ HIP JOINT/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERTHYROIDISM, complications/ INDOMETHACIN, adverse effects/ LEPROSY, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ OSTEITIS DEFORMANS, complications/ OSTEOPOROSIS, complications/ SCLERODERMA, SYSTEMIC, complications/ SHOULDER JOINT/ SUDECK'S ATROPHY, complications/ WRIST JOINT

1884. **Kenny GC, Louis CJ, Bradley KC, et al:** Effect of optic chiasmotomy upon serotonin concentration in the pineal gland of the monkey.
Am J Phys. Anthropol 38:399-402, Mar 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ DARKNESS/ LIGHT/ *MACACA, physiology/ MONKEYS/ *OPTIC CHIASM, physiology/ OPTIC NERVE, physiology/ *PINEAL BODY, metabolism/ *SEROTONIN, metabolism

1885. **Kent HA Jr:** A polypeptide from oviductal contents which influences ovarian function.
Biol Reprod 8:38-42, Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CORPUS LUTEUM, physiology/ DIALYSIS/ ESTRUS/ FEMALE/ GEL FILTRATION/ *HAMSTERS, physiology/ INDICATORS AND REAGENTS/ LIVER, analysis/ MOLECULAR WEIGHT/ OVARY, cytology/ OVARY, drug effects/ *OVARY, physiology/ OVIDUCTS, analysis/ *OVIDUCTS, metabolism/ OVIDUCTS, physiology/ OVULATION/ PEPTIDES, isolation & purification/ PEPTIDES, metabolism/ *PEPTIDES, pharmacodynamics/ PEPTIDES, physiology/ PREGNANCY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ UTERUS, analysis

1886. **Kent JR, Scaramuzzi RJ, Lauwers W, et al:** Plasma testosterone, estradiol, and gonadotrophins in hepatic insufficiency. Gastroenterology 64:111-5, Jan 73
ADULT/ AGED/ *ESTRADIOL, blood/ *FISHES/ HUMAN/ HYPOGONADISM, complications/ *LH, blood/ *LIVER DISEASES, blood/ LIVER DISEASES, complications/ MALE/ MIDDLE AGE/ *TESTOSTERONE, blood

1887. **Kerrebijn KF, Hoogeveen-Schroot HC, Wal MC van der:** A prospective study on chronic respiratory disease in children. I. Aim and methods, results of the first year.
Scand J Respir Dis 54:3-15, 1973
AGE FACTORS/ AIR POLLUTION/ ASTHMA, diagnosis/ ASTHMA, occurrence/ BRONCHITIS, occurrence/ CHILD/ COUGH, occurrence/ DYSPNEA, occurrence/ FEMALE/

HISTAMINE, blood/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, diagnosis/ *LUNG DISEASES, OBSTRUCTIVE, occurrence/ MALE/ NETHERLANDS/ PROGNOSIS/ PROSPECTIVE STUDIES/ PUBERTY/ SKIN TESTS/ URBAN POPULATION

1888. **Kert MJ, Tarr LW, Franklin S, et al:** Experience with the use of an aldosterone antagonist in selected hypertensive patients. Angiology 23:617-27, Nov 72
ADULT/ *ALDOSTERONE, antagonists & inhibitors/ ALDOSTERONE, urine/ CARBON DIOXIDE, blood/ CREATININE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ *SPIRONOLACTONE, therapeutic use

1889. **Kesserü E von, Mühe B:** In-vitro- und In-vitro-Untersuchungen zur Spermienpenetration bei zervikalbedingter Sterilität.
Geburtshilfe Frauenheilkd 32:860-73, Oct 72 (Ger)
ADMINISTRATION, ORAL/ CELL MOVEMENT/ CERVIX MUCUS/ COITUS/ CRYSTALLIZATION/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ FEMALE/ *FERTILIZATION/ HUMAN/ MALE/ METHODS/ PREGNANCY/ *SPERMATOZOA, physiology/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, drug therapy/ UTERUS

1890. **Ketover BP, Young LS, Armstrong D:** Septicemia due to Aeromonas hydrophila: clinical and immunologic aspects. J Infect Dis 127:284-90, Mar 73
ADULT/ AEROMONAS, drug effects/ *AEROMONAS, isolation & purification/ AGED/ ANDROGENS, therapeutic use/ ANTIBIOTICS, pharmacodynamics/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD BACTERICIDAL ACTIVITY/ CHILD/ CROSS INFECTION, blood/ *CROSS INFECTION, etiology/ CROSS INFECTION, immunology/ DRUG RESISTANCE, MICROBIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, complications/ NEOPLASMS, drug therapy/ OPSONINS/ PHAGOCYTOSIS/ SEPTICEMIA, blood/ *SEPTICEMIA, etiology/ SEPTICEMIA, immunology/ SKIN DISEASES, INFECTIOUS, etiology

1891. **Khadzhiev A:** Vliianie na estrogenite i progesterona vurkhu membhranniia potentsial na matochniia muskul. Akush Ginekol (Sofiia) 11:167-71, 1972 (Bul)
*ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *LABOR, PREMATURE, prevention & control/ *MEMBRANE POTENTIALS, drug effects/ PREGNANCY/ *PROGESTERONE, therapeutic use/ UTERUS, drug effects/ UTERUS, physiology

1892. **Kharchenko SF:** Vliianie lokal'nykh povrezhdenii gipotalamusa na EKG u krya posle vvedeniia éstrogenov i progesterona.
Kardiologiia 12:140-2, Nov 72 (Rus)
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HEART, physiology/ HEART RATE, drug effects/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *PROGESTERONE, pharmacodynamics/ RATS

1893. **Khayyali M, MacGregor J, Brown JJ, et al:** Increase of plasma renin-substrate concentration after infusion of angiotensin in the rat. Clin Sci 44:87-90, Jan 73
ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ HEMATOCRIT/ INJECTIONS, INTRAVENOUS/ MALE/ RATS/ *RENIN, blood

1894. **Khechinashvili GG:** Roi' nadpochechnikov v mobilizatsii uglevodnykh i zhirovykh resursov pri chrezvychainom razdrazhenii krys.
Farmakol Toksikol 35:575-80, Sep-Oct 72 (Rus)
ADAPTATION, PHYSIOLOGICAL/ *ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ FATTY ACIDS, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ *LIPID MOBILIZATION/ LIVER GLYCOGEN, metabolism/ MALE/ RATS

1895. **Kheĭdemanis KK, Lifshits TI, Petushkova TN, et al:** Vliianie adrenalina, inderala i gidrokortizona na vkliuchenie atsetata-1-C 14 v zhirnye kisloty krovi cheloveka.
Probl Endokrinol (Mosk) 18:43-5, Nov-Dec 72 (Rus)
*ACETATES, blood/ *ADRENAL GLAND HYPOFUNCTION, blood/ CARBON ISOTOPES/ *DIABETES MELLITUS, blood/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, biosynthesis/ *FATTY ACIDS, blood/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ *PROPRANOLOL, pharmacodynamics

1896. **Khitrov NK, Abinder AA, Demurov EA:** Izmenenie nekotorykh pokazateleĭ kholinergicheskoĭ aktivnosti u krolikov v usloviiakh tireoidinovoĭ intoksikatsii.
Probl Endokrinol (Mosk) 18:90-3, Nov-Dec 72 (Rus)
ACETYLCHOLINE, blood/ *ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CHINCHILLAS/ ENGLISH ABSTRACT/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, physiopathology/ MALE/ MYOCARDIUM, enzymology/ RABBITS/ THYROID HORMONES/ *VAGUS NERVE, physiopathology

1897. **Khomullo GV, Ryzhova TI:**
Elektronnomikroskopicheskoe izuchenie shchitovidnoĭ zhelezy zhivotnykh v usloviiakh vvedeniia kholinoliticheskikh sredstv.
Probl Endokrinol (Mosk) 18:94-8, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ DEPRESSION, CHEMICAL/ *DIPHENYLACETIC ACIDS, pharmacodynamics/ ENGLISH ABSTRACT/ *GANGLIONIC BLOCKADERS, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ MITOCHONDRIAL SWELLING/ *PIPERIDINES, pharmacodynamics/ RATS/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion

1898. **Khrunova AP, Zertsalova GN:** Dinamika nekotorykh funtsional'nykh pokazateleĭ nervnoĭ sistemy u bol'nykh gerpetiformnym dermatitom Diuringa v protsesse lecheniia.
Vestn Dermatol Venerol 46:29-33, Sep 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ *CHELATING AGENTS, therapeutic use/ CHRONAXY/ *DAPSONE, therapeutic use/ *DERMATITIS HERPETIFORMIS, drug therapy/ DERMATITIS HERPETIFORMIS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NERVOUS SYSTEM, physiopathology/ *PREDNISOLONE, therapeutic use/ REFLEX/ *SULFHYDRYL COMPOUNDS, therapeutic use

1899. **Khubetsova RD:** Svertyvaemost' krovi pod vliianiem odnokratnoĭ in"ektsii insulina.
Probl Endokrinol (Mosk) 18:74-8, Nov-Dec 72 (Rus)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD COAGULATION, drug effects/ BLOOD SUGAR, metabolism/ CHOLESTEROL, blood/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ FIBRINOGEN, metabolism/ FIBRINOLYSIS/ FIBRINOLYTIC AGENTS, blood/ HEPARIN, metabolism/ *INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ LECITHINS, blood/ LIPIDS, blood/ LIPOPROTEIN LIPASE, blood/ LIPOPROTEINS, blood/ MALE/ TIME FACTORS

1900. **Khudr G, Olding L:** Cyclopia.
Am J Dis Child 125:120-2, Jan 73
*ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE/ BRAIN,

abnormalities/ CORTISONE, adverse effects/ *EYE, abnormalities/ FACIAL BONES, abnormalities/ HUMAN/ INFANT, NEWBORN/ MALE/ MONSTERS/ NOSE, abnormalities/ PREGNANCY/ *PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ PREGNANCY COMPLICATIONS, INFECTIOUS, drug therapy/ SALICYLATES, administration & dosage/ SALICYLATES, adverse effects/ *VIRUS DISEASES, complications/ VIRUS DISEASES, drug therapy

1901. **Khudr G, Soma H, Benirschke K:** Trophoblastic origin of the X cell and the placental site giant cell. Am J Obstet Gynecol 115:530-3, 15 Feb 73
FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ *PLACENTA, cytology/ PREGNANCY/ QUINACRINE/ *SEX CHROMOSOMES/ *TROPHOBLAST, cytology

1902. **Kifor E, Werle E:** Beiträge zur Untersuchung der Wirkung von Trasylol. I. Einfluss von Trasylol auf Migration und Degranulation der neutrophilen Granulozyten, Vergleich mit Prednisolon. Blut 26:61-8, Jan 73 (Ger)
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CELL MIGRATION INHIBITION/ *CELL MOVEMENT, drug effects/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EXUDATES AND TRANSUDATES, enzymology/ HAMSTERS/ *KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ LEUKOCYTE COUNT/ NEUTROPHILS, drug effects/ *NEUTROPHILS, physiology/ PERITONITIS, drug therapy/ PERITONITIS, enzymology/ PERITONITIS, physiopathology/ *PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use

1903. **Killick RJ:** Sex-linkage and sex-limitation in quantitative inheritance. II. Diallel crosses. Heredity (Lond) 30:41-51, Feb 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CHROMOSOMES/ *CROSSES, GENETIC/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ *GENES/ GENES, DOMINANT/ LINKAGE (GENETICS)/ MALE/ MODELS, BIOLOGICAL/ *SEX CHROMOSOMES

1904. **Kim I, Harley JB, Weksler B:** Multiple myeloma without initial paraproteins. Am J Med Sci 264:267-75, Oct 72
ADULT/ BENCE JONES PROTEIN, urine/ BLOOD PROTEIN ELECTROPHORESIS/ BONE MARROW EXAMINATION/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUORIDES, therapeutic use/ GEL DIFFUSION TESTS/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOELECTROPHORESIS/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ *MULTIPLE MYELOMA, blood/ MULTIPLE MYELOMA, diagnosis/ MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, mortality/ MULTIPLE MYELOMA, radiotherapy/ *MYELOMA PROTEINS, blood/ MYELOMA PROTEINS, urine/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use

1905. **Kim I, Hay CE, Brodie HJ:** Isotope effects in enzymatic hydroxylation of steroids. J Biol Chem 248:2134-9, 25 Mar 73
BINDING SITES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEUTERIUM/ DEUTEROMYCETES, enzymology/ *DEUTEROMYCETES, metabolism/ *ESTRANES/ HYDROXYLATION/ HYDROXYSTEROIDS/ ISOMERISM/ *17-KETOSTEROIDS, metabolism/ KETOSTEROIDS/ MODELS, CHEMICAL/ NUCLEAR MAGNETIC RESONANCE/ PROTEIN BINDING/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROID HYDROXYLASES/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TRITIUM

1906. **Kim JH:** Bartter's syndrome with possible hypothalamic dysfunction. Hormones 3:65-76, 1972
ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, physiopathology/ ADULT/ ALDOSTERONE, urine/ AMENORRHEA/ CASE REPORT/ FEMALE/ FSH, urine/ HUMAN/ HYDROCORTISONE, blood/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, metabolism/ HYPERALDOSTERONISM, pathology/ *HYPERALDOSTERONISM, physiopathology/ HYPERNATREMIA, diagnosis/ *HYPOTHALAMUS, physiopathology/ IODINE, metabolism/ IODINE ISOTOPES/ KIDNEY, pathology/ PITUITARY GLAND, physiopathology/ POTASSIUM, blood/ SALICYLATES, therapeutic use/ THYROID GLAND, physiopathology/ TIME FACTORS

1907. **Kimura K:** Skeletal maturation in Japanese as assessed by the Oxford and Tanner-Whitehouse methods. Acta Anat Nippon 47:358-72, Oct 72
ADOLESCENCE/ BONE AND BONES, growth & development/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ JAPAN/ MALE/ METHODS/ *MONGOLOID RACE/ *OSSIFICATION, PHYSIOLOGIC

1908. **Kinnaert P, Burny F, De Marneffe R, et al:** Nécrose aseptique osseuse après transplantation rénale. Acta Orthop Belg 38:602-10, Oct 72 (Fre)
ADULT/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ *KIDNEY, transplantation/ MALE/ POSTOPERATIVE COMPLICATIONS/ *PREDNISOLONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS

1909. **Kinutani M, Ooki T, Daikoku S:** Quantitative observations on the endocrine glands of rats after early postnatal lesions of the hypothalamus. Tokushima J Exp Med 19:105-10, Sep 72
ANIMAL EXPERIMENTS/ *ENDOCRINE GLANDS, growth & development/ *HYPOTHALAMUS, physiology/ ORGAN WEIGHT/ PITUITARY GLAND, growth & development/ RATS/ THYMUS GLAND, growth & development

1910. **Kirby L, Hahn P:** Enzyme induction in human fetal liver. Pediatr Res 7:75-81, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CARNITINE, pharmacodynamics/ CELLS, CULTURED/ COENZYME A, pharmacodynamics/ CULTURE MEDIA/ CYTOPLASM, enzymology/ FEMALE/ *FETUS, enzymology/ GESTATIONAL AGE/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ HUMAN/ IN VITRO/ KIDNEY, enzymology/ *LIVER, enzymology/ MATERNAL-FETAL EXCHANGE/ MICROSOMES, LIVER, enzymology/ OLEIC ACID, pharmacodynamics/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, biosynthesis/ PREDNISOLONE, pharmacodynamics/ PREGNANCY/ PROTEINS, analysis/ PYRUVATE KINASE, biosynthesis/ STIMULATION, CHEMICAL/ TYROSINE AMINOTRANSFERASE, biosynthesis

1911. **Kirchberger MA, Tada M, Repke DI, et al:** Cyclic adenosine 3',5'-monophosphate-dependent protein kinase stimulation of calcium uptake by canine cardiac microsomes. J Mol Cell Cardiol 4:673-80, Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ DOGS/ IN VITRO/ *MICROSOMES, metabolism/ *MYOCARDIUM, metabolism/ *PHOSPHOTRANSFERASES, pharmacodynamics/ STIMULATION, CHEMICAL

1912. **Kiriukhin VG:** Vliianie blokady tsentral'nykh kholinoretseptorov na agressivnost' krys-samtsov s

raznym urovnem polovykh gormonov.
Farmakol Toksikol 35:541-4, Sep-Oct 72 (Rus)
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *BENACTYZINE, antagonists & inhibitors/ BENACTYZINE, pharmacodynamics/ CASTRATION/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ MALE/ PROPIONATES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

1913. **Kirkland RT, Kirkland JL, Rosenberg HS, et al:** Solitary thyroid nodules in 30 children and report of a child with a thyroid abscess. Pediatrics 51:85-90, Jan 73
*ABSCESS, diagnosis/ ADENOMA, diagnosis/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ GOITER, NODULAR, diagnosis/ HUMAN/ MALE/ RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

1914. **Kirkland RT, Kirkland JL, Johnson CM, et al:** Congenital lipoid adrenal hyperplasia in an eight-year-old phenotypic female.
J Clin Endocrinol Metab 36:488-96, Mar 73
*ADRENAL GLAND DISEASES, urine/ CHILD/ CHOLESTEROL, blood/ *CHOLESTEROL, urine/ CHROMATOGRAPHY, GAS/ ELECTROPHORESIS, PAPER/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ HYPERPLASIA/ *17-KETOSTEROIDS, urine/ LIPOPROTEINS, blood/ SPECTRUM ANALYSIS/ TRIGLYCERIDES, blood

1915. **Kirschstein RL, Rabson AS, Rusten GW:** Infiltrating duct carcinoma of the mammary gland of a rhesus monkey after administration of an oral contraceptive: a preliminary report.
J Natl Cancer Inst 48:551-6, Feb 72
ANIMAL EXPERIMENTS/ *CARCINOMA, DUCTAL, chemically induced/ CARCINOMA, DUCTAL, pathology/ *CONTRACEPTIVES, ORAL/ FEMALE/ MACACA/ MAMMAE, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MESTRANOL/ MICROSCOPY, ELECTRON/ MONKEYS/ NEOPLASM METASTASIS/ *NORETHYNODREL

1916. **Kirsten E, Kirsten R, Salibian A:** A stucy on the effect of aldosterone on the extramitochondrial adenine nucleotide system in rat kidney.
J Steroid Biochem 3:173-9, Feb 72
*ADENINE NUCLEOTIDES, metabolism/ ADENOSINE DIPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CREATINE, analysis/ CREATINE KINASE, analysis/ KIDNEY, analysis/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, metabolism/ MATHEMATICS/ MITOCHONDRIA, metabolism/ NAD, metabolism/ OXIDATION-REDUCTION/ OXIDATIVE PHOSPHORYLATION, drug effects/ PHOSPHATES, analysis/ PHOSPHORUS, analysis/ PYRUVATES, analysis/ RATS

1917. **Kirton KT, Gutknecht GD, Bergstrom KK, et al:** Prostaglandins and reproduction.
J Reprod Med 9:266-70, Dec 72 (30 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ ESTRUS, drug effects/ FEMALE/ HAMSTERS/ HUMAN/ MACACA/ MONKEYS/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ OVARY, blood supply/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW, drug effects/ *REPRODUCTION/ REVIEW/ SHEEP/ SPECIES SPECIFICITY/ TRITIUM/ *UTERUS, drug effects/ UTERUS, enzymology

1918. **Kishimoto Y:** In vitro transformation of dehydroepiandrosterone or its sulphate into androstenediol or its sulphate by rat brain and blood preparations. J Neurochem 20:211-23, Jan 73
AGE FACTORS/ *ANDROSTENES, biosynthesis/ ANIMAL EXPERIMENTS/ *BLOOD, metabolism/ BRAIN, cytology/ BRAIN, enzymology/ BRAIN, growth & development/ *BRAIN, metabolism/ BRAIN STEM, enzymology/ CARBON ISOTOPES/ CELL NUCLEUS, enzymology/ CEREBELLUM, enzymology/ CYTOSOL, enzymology/ *DEHYDROEPIANDROSTERONE, metabolism/ DIENCEPHALON, enzymology/ ERYTHROCYTES, enzymology/ HYDROGEN-ION CONCENTRATION/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ IN VITRO/ MICROSOMES, metabolism/ NADP, metabolism/ RATS/ SEX FACTORS/ SULFATES, metabolism/ TEMPERATURE

1919. **Kiss P, Osztovics M, Erényi J, et al:** Sex chromosome aberrations in childhood. II. 45,X and 45,X-mosaics.
Acta Paediatr Acad Sci Hung 13:1-17, 1972
CHILD/ CYTOGENETICS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ KARYOTYPING/ *MOSAICISM/ NOMENCLATURE/ SEX CHROMATIN, analysis/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *TURNER'S SYNDROME, classification/ TURNER'S SYNDROME, diagnosis

1920. **Kiss SA, Berecz G:** Hormonalis fogamzásgátlás során kialakult psychosis.
Orv Hetil 114:396-8, 18 Feb 73 (Hun)
ADULT/ *CONTRACEPTIVES, ORAL, poisoning/ FEMALE/ HUMAN/ *PSYCHOSES, TOXIC, etiology

1921. **Kitabchi AE, Nathans AH, Kitchell CL:** Adrenal gland in vitamin E deficiency. 3. Inhibition of adrenocorticotropic hormone-induced steroidogenesis in isolated adrenal cells by ascorbic acid. J Biol Chem 248:835-40, 10 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIOXIDANTS, pharmacodynamics/ ASCORBIC ACID, administration & dosage/ *ASCORBIC ACID, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELLS, CULTURED/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, antagonists & inhibitors/ *CORTICOTROPIN, pharmacodynamics/ CRESOLS, pharmacodynamics/ LIPIDS, metabolism/ MALE/ OXIDATION-REDUCTION/ PEROXIDES/ RATS/ TRYPSIN/ VITAMIN E, pharmacodynamics/ VITAMIN E, therapeutic use/ VITAMIN E DEFICIENCY, drug therapy/ *VITAMIN E DEFICIENCY, metabolism

1922. **Kitajima S:** [Fine structure of the laryngeal cartilage and laryngeal muscles--with special reference of the dynamics of the cricoid and arytenoid cartilages]
J Otolaryngol Jap 75:1263-73, Nov 72 (Jap)
ADULT/ AGED/ CALCIFICATION, PHYSIOLOGIC/ FEMALE/ HUMAN/ LARYNGEAL CARTILAGES, anatomy & histology/ *LARYNGEAL CARTILAGES, physiology/ LARYNGEAL CARTILAGES, radiography/ *LARYNX, physiology/ MALE/ MIDDLE AGE/ *MUSCLES, physiology

1923. **Kitazawa Y, Nosé H, Saito S:** [On the bilaterality of the corticosteroid responsiveness of intraocular pressure in man]
Acta Soc Ophthalmol Jap 76:1277-85, Oct 72 (Jap)
*ADRENAL CORTEX HORMONES,

pharmacodynamics/ BETAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *INTRAOCULAR PRESSURE, drug effects

1924. **Kizel'man ZD, Kurbanov TG:** Sostolanie organa zrenila u detei i podrostkov s narusheniiami rosta.
Probl Endokrinol (Mosk) 18:27-30, Jul-Aug 72 **(Rus)**
ADOLESCENCE/ BLOOD PRESSURE/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, complications/ DWARFISM, physiopathology/ DWARFISM, PITUITARY, complications/ DWARFISM, PITUITARY, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ GIGANTISM, complications/ GIGANTISM, physiopathology/ *GROWTH DISORDERS, complications/ GROWTH DISORDERS, physiopathology/ HUMAN/ HYPERTENSION, complications/ HYPOTENSION, complications/ MALE/ REFRACTIVE ERRORS, complications/ RETINAL VESSELS, physiopathology/ *VISION DISORDERS, complications/ VISUAL ACUITY

1925. **Klapetek J:** Valoron-Intoxikation bei Selbstmordversuch.
Munch Med Wochenschr 115:113-5, 26 Jan 73 **(Ger)**
ADULT/ AMINES, poisoning/ ATAXIA,

*CYCLOHEXANECARBOXYLIC ACIDS, poisoning/ DIAZEPAM, therapeutic use/ ENGLISH ABSTRACT/ GLUCOSE, therapeutic use/ HUMAN/ HYPERVENTILATION, chemically induced/ MALE/ PSYCHOSES, TOXIC, etiology/ SUICIDE/ TETANY, chemically induced/ VISION DISORDERS, chemically induced

1926. **Klein MS, Ennis F, Sherlock P, et al:** Stress erosions. A major cause of gastrointestinal hemorrhage in patients with malignant disease.
Am J Dig Dis 18:167-71, Mar 73
ADULT/ ANTINEOPLASTIC AGENTS, adverse effects/ *ESOPHAGEAL DISEASES, etiology/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ *HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASMS, complications/ NEOPLASMS, surgery/ *PEPTIC ULCER HEMORRHAGE, etiology/ RETROSPECTIVE STUDIES/ SEPTICEMIA, complications/ *STRESS, complications

1927. **Klein O:** Immunoadsorption sur Sépharose 4 B: comparaison de différentes techniques d'élution d'anticorps anti-immunoglobulines.
Rev Eur Etud Clin Biol 17:525-9, May 72 **(Fre)**
ACETIC ACIDS/ ADSORPTION/ ANTIBODIES, isolation & purification/ ANTIGEN-ANTIBODY COMPLEX/ BUFFERS/ CHLORIDES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GEL DIFFUSION TESTS/ GLYCINE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IMMUNOGLOBULINS/ MAGNESIUM/ METHODS/ PROPIONATES/ SODIUM/ THIOCYANATES/ UREA

1928. **Klein RF:** Intravenous L-thyroxine.
Ann Intern Med 78:306, Feb 73
HUMAN/ INJECTIONS, INTRAVENOUS/ *MYXEDEMA, drug therapy/ *THYROXINE, administration & dosage

1929. **Klenerová V, Hynie S:** Adenyl cykláza z dřeně ledvin.
Sb Lek 75:54-9, Feb 73 **(Cze)**
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ARGININE, metabolism/ ENGLISH ABSTRACT/ *KIDNEY, enzymology/ KIDNEY MEDULLA, enzymology/ MALE/ RATS/ VASOPRESSIN, metabolism

1930. **Klimek R:** Hormony podwzgórzowe i ich analogony w diagnostyce i therapii. Ginekol Pol 44:1-7, Jan 73 **(Pol)**
AMINO ACID SEQUENCE/ CHILD/ DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPOTHALAMUS, secretion/ MALE/ OXYTOCIN, physiology/ OXYTOCIN, therapeutic use/ *PITUITARY HORMONE RELEASING FACTORS/ THYROTROPIN, diagnostic use/ THYROTROPIN RELEASING FACTOR/ VASOPRESSIN, physiology/ VASOPRESSIN, therapeutic use

1931. **Klimek R, Paradysz A:** Wyniki leczenia przy pomocy syntetycznego ACTH zarażającego poronienia u kobiet z wtórną niewydolnością przysadki.
Ginekol Pol 44:25-9, Jan 73 **(Pol)**
*ABORTION, THREATENED, drug therapy/ ADULT/ *CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, drug therapy/ INFANT, NEWBORN/ PREGNANCY

1932. **Klimenko VM, Kaplunovskiĭ AS:** Statisticheskoe issledovanie impul'snoĭ aktivnosti neĭronov razlichnykh otdelov gipotalamusa.
Fiziol Zh SSSR 58:1484-93, Oct 72 **(Rus)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FACTOR ANALYSIS, STATISTICAL/ *HYPOTHALAMUS, physiology/ NEURONS, physiology/ RABBITS

1933. **Klotz HP, Konopka P, Delorme ML:** Le dosage de la

Déductions cliniques.
Ann Endocrinol (Paris) 33:267-9, May-Jun 72 **(Fre)**
CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MAGNESIUM, blood/ METHODS/ PHOSPHORUS, blood/ *PREGNANCY/ PUERPERIUM/ SPASMOPHILIA, blood/ *THYROCALCITONIN, blood

1934. **Klyce SD, Neufeld AH, Zadunaisky JA:** The activation of chloride transport by epinephrine and Db cyclic-AMP in the cornea of the rabbit.
Invest Ophthalmol 12:127-39, Feb 73
ACTION POTENTIALS, drug effects/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CHLORIDES, metabolism/ CORNEA, drug effects/ CORNEA, metabolism/ ELECTRIC STIMULATION/ *EPINEPHRINE, pharmacodynamics/ HYPOXANTHINES, pharmacodynamics/ IN VITRO/ RABBITS/ THEOPHYLLINE, pharmacodynamics

1935. **Knap J:** Spiączka Biermerowska—coma perniciosum.
Psychiatr Pol 6:675-80, Nov-Dec 72 (37 ref.) **(Pol)**
*ANEMIA, PERNICIOUS/ ANEMIA, PERNICIOUS, diagnosis/ ANEMIA, PERNICIOUS, drug therapy/ ANEMIA, PERNICIOUS, etiology/ ANEMIA, PERNICIOUS, immunology/ ANEMIA, PERNICIOUS, therapy/ ANTIBODY SPECIFICITY/ BLOOD TRANSFUSION/ DEMYELINATION, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ELECTROENCEPHALOGRAPHY/ HUMAN/ MYELIN SHEATH, immunology/ MYXEDEMA, diagnosis/ REVIEW/ VITAMIN B 12, administration & dosage/ VITAMIN B 12 DEFICIENCY, complications

1936. **Knapp S, Mandell AJ:** Parachlorophenylalanine—its three phase sequence of interactions with the two forms of brain tryptophan hydroxylase.
Life Sci [I] 11:761-71, 15 Aug 72
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, enzymology/ CARBON ISOTOPES/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG INTERACTIONS/ *HYDROXYLASES, metabolism/ KINETICS/ MALE/ MESENCEPHALON, enzymology/ RATS/ SEPTUM PELLUCIDUM, enzymology/ SEROTONIN, biosynthesis/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRYPTOPHAN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism

1937. **Knight JW, Bazer FW, Wallace HD:** Effects of

superovulation and unilateral ovariectomy-hysterectomy on porcine uterine protein secretions. J Anim Sci 36:61-5, Jan 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ GEL FILTRATION/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYSTERECTOMY/ MOLECULAR WEIGHT/ ORGAN WEIGHT/ *OVARY, physiology/ *OVULATION, drug effects/ PROTEINS, analysis/ *PROTEINS, secretion/ *SWINE, physiology/ *UTERUS, secretion

1938. **Knizley H Jr:** The hippocampus and septal area as primary target sites for corticosterone.
J Neurochem 19:2737-45, Dec 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, analysis/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, administration & dosage/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ DRUG INTERACTIONS/ HIPPOCAMPUS, analysis/ *HIPPOCAMPUS, metabolism/ HYDROCARBONS, HALOGENATED/ HYPOTHALAMUS, analysis/ MALE/ PITUITARY GLAND, analysis/ PONS, analysis/ PROTEINS, analysis/ RATS/ RECEPTORS, DRUG/ SEPTUM PELLUCIDUM, analysis/ *SEPTUM PELLUCIDUM, metabolism/ SOLVENTS/ TRITIUM

1939. **Knopp J, Palkovič M, Fáberová A:** Turnover of phospholipid ontogenesis: P 32 incorporation into thyroid slices. Horm Metab Res 4:497-9, Nov 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ PHOSPHOLIPIDS, analysis/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ THYROID GLAND, analysis/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROXINE, pharmacodynamics

1940. **Knott JC, Wills ED:** Effects of whole-body irradiation and hormones on drug metabolism in the liver endoplasmic reticulum. Radiat Res 53:65-76, Jan 73
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, metabolism/ *AMINOPYRINE, metabolism/ ANIMAL EXPERIMENTS/ CYTOCHROME P-450, analysis/ CYTOCHROME REDUCTASES, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ *ENDOPLASMIC RETICULUM, radiation effects/ FEMALE/ *LIVER, radiation effects/ MALE/ MICE/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ MICROSOMES, LIVER, radiation effects/ *RADIATION EFFECTS/ RATS/ SEX FACTORS/ SPECIES SPECIFICITY/ TESTOSTERONE, physiology

1941. **Knott PJ, Joseph MH, Curzon G:** Effects of food deprivation and immobilization on tryptophan and other amino acids in rat brain.
J Neurochem 20:249-51, Jan 73
*AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *FASTING/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ RATS/ SEROTONIN, analysis/ *STRESS, metabolism/ *TRYPTOPHAN, analysis

1942. **Knox WH, Perrin RG, Sen AK:** Effect of chronic administration of ethanol on (Na+K)-activated ATPase activity in sex areas of the cat brain.
J Neurochem 19:2881-4, Dec 72
*ADENOSINE TRIPHOSPHATASE, analysis/ ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ AMYGDALOID BODY, enzymology/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ BRAIN CHEMISTRY, drug effects/ CATS/ CAUDATE NUCLEUS, enzymology/ CEREBRAL CORTEX, enzymology/ DRUG TOLERANCE/ ELECTROENCEPHALOGRAPHY/ FRONTAL LOBE, enzymology/ HIPPOCAMPUS, enzymology/ IN VITRO/ MAGNESIUM/ OUABAIN, pharmacodynamics/ POTASSIUM/ PROTEINS, analysis/ RETICULAR FORMATION, enzymology/ SODIUM/ TIME FACTORS

1943. **Kobayashi H, Wada M, Uemura H:** The hypothalami median eminence as a neuroendocrine organ.
Med J Osaka Univ 23:43-55, Sep 72
AXONS, cytology/ BIOGENIC AMINES, analysis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, secretion/ MICE MICROSCOPY, ELECTRON/ PIGEONS/ PITUITARY HORMONE RELEASING FACTORS, secretion/ PITUITARY HORMONES, secretion/ QUAIL/ RATS/ SYNAPSES, cytology

1944. **Kobayashi K:** [Effects of brain-stem stimulation seizure discharges of neo-, archi- and paleocortex wi special reference to the subthalamus]
Psychiatr Neurol Jap 74:124-50, Feb 72 (Ja
AMYGDALOID BODY, physiopathology/ ANIMAL EXPERIMENTS/ *BRAIN STEM, physiology/ CATS/ *CEREBRAL CORTEX, physiopathology/ *CONVULSIONS, physiopathology/ *DIENCEPHALON, physiopathology/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ HIPPOCAMPUS, physiopathology/ INHIBITION, NEURAL/ NEURAL TRANSMISSION

1945. **Kobayashi T, Yasumura M:** Studies on the ultraviol irradiation of provitamin D and its related compounds. II. Determination of potential vitamin in ultraviolet irradiated products of ergosterol gas-liquid chromatography.
J Vitaminol (Kyoto) 18:78-83, 10 Jun 72
*CHROMATOGRAPHY, GAS/ *ERGOCALCIFEROL, analysis/ ERGOSTEROL radiation effects/ ISOMERISM/ RADIATION EFFECTS/ *ULTRAVIOLET RAYS/ *VITAMI D, radiation effects

1946. **Kobayashi Y:** [Experimental studies on the mechani of human chorionic gonadotropin in the rabbit ova
Folia Endocrinol Jap 48:412-21, 20 Sep 72 (Ja
ADENOSINE CYCLIC 3',5' MONOPHOSPHAT analysis/ ADENYL CYCLASE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BILE, metabolism/ ENGLIS ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, urine/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MUSCLES, metabolism/ OVARY, enzymology *OVARY, metabolism/ OVULATION, drug effects/ RABBITS/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ SKIN, metabolism/ SPLEEN, metabolism/ STIMULATION, CHEMICAL/ THYROID GLAND, metabolism/ UTERUS, metabolism

1947. **Köbberling J, Mühlen A von zur:** Methodisch Untersuchungen zur Bestimmung der Plasmacorticoide mit der Proteinbindungsmetho
Z Klin Chem Klin Biochem 10:67-73, Feb 72 (G
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS blood/ GLUCOCORTICOIDS, urine/ HUMAN, HYDROCORTISONE, blood/ METHODS/ PROGESTERONE, blood/ *PROTEIN BINDIN RATS/ TRITIUM

1948. **Kobielowa Z, Turowska B, Ostrowski A, et** Odporność w krzywicy.
Pediatr Pol 48:1-8, Jan 73 (P
AGE FACTORS/ AGGLUTININS/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IGG/ IMMUNITY, CELLULAR/ INFANT/ ISOANTIBODIES/ MALE/ *RICKETS, immunology/ THYMUS HYPERPLASIA, immunology

1949. **Koch RM:** Tbe role of maternal effects in animal breeding. VI. Maternal effects in beef cattle. J Anim Sci 35:1316-23, Dec 72 (33 ref.)
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIRTH WEIGHT/ *BREEDING/ *CATTLE, growtb & development/ ENVIRONMENT/ FEMALE/ *GENETICS/ GENOTYPE/ LACTATION/ MATERNAL BEHAVIOR/ MATERNAL-FETAL EXCHANGE/ PHENOTYPE/ PREGNANCY/ REVIEW/ WEANING

1950. **Koch TR, Edwards L, Chilcote ME:** Nonspecific interferences in tbe fluorometric determination of plasma cortisol. Clin Cbem 19:258-61, Feb 73
BINDING, COMPETITIVE/ CHLORINE/ FALSE POSITIVE REACTIONS/ FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ METHANE/ METHODS/ PROTEIN BINDING

1951. **Kochakian CD, Williams BR:** Tbe subcellular localization of the changes in ribonuclease and phosphatase activities of tbe mouse kidney produced by castration and testosterone. Steroids 21:95-110, Jan 73
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *CASTRATION/ CELL NUCLEUS, enzymology/ CYTOSOL, enzymology/ DNA, analysis/ ESTERASES, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HYDROGEN-ION CONCENTRATION/ KIDNEY, analysis/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, enzymology/ MALE/ MICE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *PHOSPHATASES, analysis/ PROTEINS, analysis/ *RIBONUCLEASE, analysis/ RNA, analysis/ SPECTROPHOTOMETRY/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

1952. **Kodama T, Matsukado Y, Shimizu H:** Tbe cyclic AMP system of human brain. Brain Res 50:135-46, 14 Feb 73
ADENINE, metabolism/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADULT/ AGED/ BRAIN, enzymology/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN NEOPLASMS, metabolism/ CARBON ISOTOPES/ CEREBRAL ANEURYSM, metabolism/ CEREBRAL CORTEX, drug effects/ CHILD, PRESCHOOL/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HISTAMINE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ SEROTONIN, pharmacodynamics/ TRITIUM/ VERATRINE, pharmacodynamics

1953. **Kofler E:** Uber die Häufigkeit vorberiger Hysterektomien und-oder unilateraler Ovarektomien bei Frauen mit malignen Ovarialtumoren. Geburtshilfe Frauenheilkd 32:873-81, Oct 72 (Ger)
ADENOCARCINOMA, occurrence/ ADENOCARCINOMA, prevention & control/ AGE FACTORS/ *CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYSTERECTOMY/ MIDDLE AGE/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, prevention & control/ PROGNOSIS

1954. **Kofler E, Slyawoschi D:** Zur Diagnostik und Tberapie maligner Ovarialtumoren an der I. Universitätsfrauenklinik Wien in den Jabren 1956-1964. Osterr Z Erforscb Bekaempf Krebskr 27:375-91, 1972 (Ger)
ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, tberapy/ ADULT/ AGED/ AUSTRIA/ CARCINOMA, diagnosis/ CARCINOMA, tberapy/ CYSTADENOCARCINOMA, diagnosis/ CYSTADENOCARCINOMA, therapy/ CYSTADENOMA, MUCINOUS, diagnosis/ CYSTADENOMA, MUCINOUS, therapy/ ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS, therapy/ ENGLISH ABSTRACT/ FEMALE/ GRANULOSA CELL TUMOR, diagnosis/ GRANULOSA CELL TUMOR, tberapy/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, therapy/ RETROSPECTIVE STUDIES

1955. **Kohler PF:** Maturation of the buman complement system. I. Onset time and sites of fetal C1q, C4, C3, and C5 syntbesis. J Clin Invest 52:671-7, Mar 73
AUTORADIOGRAPHY/ BONE MARROW CELLS, metabolism/ CARBON ISOTOPES/ COLON, metabolism/ COMPLEMENT, biosyntbesis/ FETUS/ GESTATIONAL AGE/ HUMAN/ IGG, biosyntbesis/ IGM, biosyntbesis/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IN VITRO/ LEUCINE, metabolism/ *LIVER, metabolism/ LYSINE, metabolism/ PERITONEUM, metabolism/ PLACENTA, metabolism/ SPLEEN, metabolism/ THYMUS GLAND, metabolism/ TISSUE CULTURE

1956. **Kohlhardt M, Bauer B, Krause H, et al:** Selective inbibition of tbe transmembrane Ca conductivity of mammalian myocardial fibres by Ni, Co and Mn ions. Pfluegers Arch 338:115-23, 22 Jan 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ *CELL MEMBRANE PERMEABILITY, drug effects/ COBALT, pharmacodynamics/ EXTRACELLULAR SPACE, metabolism/ *HEART, drug effects/ IN VITRO/ MANGANESE, pharmacodynamics/ MEMBRANE POTENTIALS/ *METALS, pharmacodynamics/ NICKEL, pharmacodynamics/ RATS/ SODIUM, metabolism

1957. **Kokot F, Kuska J:** The effect of extracorporeal dialysis on plasma renin activity in patients with acute and cbronic renal failure. Pol Med J 11:1070-9, 1972
ADOLESCENCE/ ADULT/ ANURIA, blood/ ANURIA, etiology/ BLOOD PRESSURE/ BODY WEIGHT/ DEHYDRATION, etiology/ FEMALE/ GLOMERULAR FILTRATION RATE/ *HEMODIALYSIS/ HUMAN/ JUXTAGLOMERULAR APPARATUS, physiopatbology/ *KIDNEY FAILURE, ACUTE, blood/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY TUBULES, physiopatbology/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ *RENIN, blood/ RENIN, secretion/ SODIUM, blood

1958. **Kolarov P, Dokumov S, Spasov S, et al:** Vliianie na laĭcbnikovoto khormonno potiskane vurkbu liacbnikovata steroidna sekretsiia Akush Ginekol (Sofiia) 11:418-23, 1972 (Bul)
ENGLISH ABSTRACT/ *ESTROGENS, secretion/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ 17-KETOSTEROIDS, secretion/ *OVARY, drug effects/ OVARY, secretion/ PREGNANEDIOL, secretion/ *STEIN-LEVENTHAL SYNDROME, drug therapy

1959. **Kolarov P, Dokumov S, Spasov S, et al:** Issledovanie uglevodnogo obmena u bol'nykb s gonadnoĭ disgenezieĭ i ikh roditeleĭ Probl Endokrinol (Mosk) 18:42-4, Jul-Aug 72 (Rus)
ADOLESCENCE/ ADULT/ *CARBOHYDRATES, metabolism/ CHILD/ DIABETES MELLITUS, complications/ DIABETES MELLITUS, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ PARENTS/ PREGNANCY/ PREGNANCY IN DIABETES/ TURNER'S SYNDROME, etiology/ *TURNER'S SYNDROME, metabolism

1960. **Kolarov P, Panaiotov D, Milanov S, et al:** Enzimnye i gistologicheskie izmeneniia v testikuliarnoĭ tkani pod vliianiem gonadotropnykh gormonov. Probl Endokrinol (Mosk) 18:93-7, Nov-Dec 72 (Rus)
ALANINE AMINOTRANSFERASE, blood/ *ALANINE AMINOTRANSFERASE,

metabolism/ *ALDOLASE, metabolism/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ *ASPARTATE AMINOTRANSFERASE, metabolism/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ FSH, pharmacodynamics/ *GONADOTROPINS, pharmacodynamics/ LH, pharmacodynamics/ MALE/ PROPIONATES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ TESTIS, enzymology

1961. **Kölbel F, Sonka J:** Dehydroepiandrosterone-sulphate in isoproterenol cardiomegaly.
Acta Biol Med Ger 29:149-53, 1972
ANIMAL EXPERIMENTS/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, therapeutic use/ HEART, drug effects/ *HEART ENLARGEMENT, prevention & control/ *ISOPROTERENOL, antagonists & inhibitors/ KIDNEY, drug effects/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, drug effects/ RATS/ SALIVARY GLANDS, drug effects

1962. **Köle W, Suchanek E, Eber O:** Seltene Koinzidenz einer Hyperthyreose mit Struma maligna.
Chirurg 44:55-7, Feb 73 (Ger)
*CARCINOMA, complications/ CARCINOMA, surgery/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, surgery

1963. **Kolker AE:** The natural history of primary open-angle glaucoma. Isr J Med Sci 8:1350-6, Aug-Sep 72
ADOLESCENCE/ AQUEOUS HUMOR, physiology/ BLINDNESS, etiology/ BLOOD PRESSURE/ DEXAMETHASONE, therapeutic use/ DIPHENYLHYDANTOIN, pharmacodynamics/ *GLAUCOMA/ GLAUCOMA, diagnosis/ GLAUCOMA, drug therapy/ GLAUCOMA, etiology/ GLAUCOMA, familial & genetic/ GLUCOCORTICOIDS, TOPICAL, diagnostic use/ HUMAN/ HYDROCORTISONE, blood/ INTRAOCULAR PRESSURE/ OPTIC NERVE/ SCOTOMA, etiology

1964. **Kollias G:** Hormonell inaktive Nebennierenrinden-Karzinome.
Z Urol Nephrol 65:671-7, Sep 72 (Ger)
ADENOCARCINOMA, classification/ ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, physiopathology/ ADENOCARCINOMA, radiography/ ADRENAL GLAND NEOPLASMS, classification/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, secretion/ ADULT/ HUMAN/ MALE/ MIDDLE AGE/ PNEUMOPERITONEUM, ARTIFICIAL/ UROGRAPHY

1965. **Kölliker K:** The effects of pancuronium bromide and gallamine triethiodide during barbiturate, N 2 O--halothane anaesthesia.
Acta Anaestbesiol Scand 16:240-5, 1972
ADULT/ *ANDROSTANES, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CURARE-LIKE AGENTS, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ *GALLAMINE TRIETHIODIDE, pharmacodynamics/ *HALOTHANE/ *HEART RATE, drug effects/ HUMAN/ INTUBATION, INTRATRACHEAL/ *MEDIAN NERVE, drug effects/ MIDDLE AGE/ NITROUS OXIDE/ PANCURONIUM, pharmacodynamics/ STIMULATION, CHEMICAL

1966. **Kölmel HW, Manke HG, Drings P, et al:** Erfolgreiche intrathekale Therapie der Meningosis leucaemica des Erwachsenen mit Methotrexat.
Dtsch Med Wochenschr 98:259-61, 9 Feb 73 (Ger)
ADULT/ BLOOD-BRAIN BARRIER/ CORTISONE, therapeutic use/ CYTARABINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRATHECAL/ LEUKEMIA, cerebrospinal fluid/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *MENINGES/ *METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ TIME FACTORS

1967. **Komorowska A, Lachowicz L, Fiszbach K:** Wtórny brak miesi aczkowania u dziewcz at w świetle niektórych badań hormonalnych.
Ginekol Pol 44:155-60, Feb 73 (Pol)
ADOLESCENCE/ ADULT/ AMENORRHEA, diagnosis/ *AMENORRHEA, physiopathology/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ *SEX HORMONES

1968. **Komplang IP, Gibson WR:** Effect of bypophysectomy on lipogenesis and glycogenesis in cockerels.
Am J Physiol 224:362-6, Feb 73
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHICKENS/ GLUCOSE, metabolism/ *HYPOPHYSECTOMY/ *LIPIDS, biosynthesis/ LIPIDS, blood/ *LIVER, metabolism/ *LIVER GLYCOGEN, biosynthesis

1969. **Kondo A:** [Cryobiology in urology]
Jap J Urol 63:714-9, Sep 72 (Jap)
ANIMAL EXPERIMENTS/ *CRYOGENIC SURGERY/ DOGS/ *FREEZING/ HUMAN/ KIDNEY, surgery/ MALE/ PITUITARY GLAND, surgery/ PROSTATECTOMY/ *TISSUE PRESERVATION

1970. **Konijn AM, Gershon B, Guggenheim K:** Further purification and mode of action of a goitrogenic material from soybean flour. J Nutr 103:378-83, Mar 73
ANIMAL EXPERIMENTS/ DIIODOTYROSINE, biosynthesis/ ELECTROPHORESIS, PAPER/ FLOUR, analysis/ GEL FILTRATION/ GLYCOPEPTIDES/ GLYCOPEPTIDES, isolation & purification/ GLYCOPEPTIDES, pharmacodynamics/ *GOITER, chemically induced/ GOITER, metabolism/ IN VITRO/ IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, biosynthesis/ MALE/ OLIGOPEPTIDES/ OLIGOPEPTIDES, isolation & purification/ OLIGOPEPTIDES, pharmacodynamics/ *PEPTIDES, isolation & purification/ RATS/ *SOY BEANS, analysis/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROXINE, biosynthesis/ TRIIODOTHYRONINE, biosyntbesis/ ULTRACENTRIFUGATION

1971. **Kono T, Yoshimi T, Osako F:** [Metabolism of DHA and DHA sulfate and their interconversion]
Clin Endocrinol (Tokyo) 20:1029-33, Dec 72 (Jap)
ACUTE DISEASE/ ADULT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HEPATITIS, enzymology/ HUMAN/ LIVER CIRRHOSIS, enzymology/ MALE/ SULFATASES, metabolism/ *SULFATES, metabolism/ SULFUR ISOTOPES/ SULFURTRANSFERASES, metabolism

1972. **Kononenko VIa, Litvinenko AF, Povolotskaia GM, et al:** Izofermentnyĭ spektr laktatdegidrogenazy syvorotki krovi i élektrolitnyĭ obmen u bol'nykh tireotoksikozom. Kardiologiia 12:92-7, Nov 72 (Rus)
ADULT/ ERYTHROCYTES, metabolism/ FEMALE/ *HEART, physiopathology/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, enzymology/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, physiopathology/ *LACTATE DEHYDROGENASE ISOENZYMES, blood/ *MAGNESIUM, blood/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ *POTASSIUM, metabolism/ POTASSIUM, urine/ SODIUM, blood/ *SODIUM, metabolism/ SODIUM, urine

1973. **Konzack K, Müller D, Paschewa M:** Untersuchungen an

Gesichtsschädel und am Parodont bei Patienten mit chronischen Nierenerkrankungen.
Dtsch Stomatol 22:779-83, Oct 72 (Ger)
ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HEMODIALYSIS, adverse effects/ HUMAN/ *KIDNEY DISEASES, complications/ MALE/ NEPHRITIS, complications/ OSTEITIS FIBROSA CYSTICA, complications/ OSTEOPOROSIS, complications/ *PERIODONTAL DISEASES, complications/ RETROSPECTIVE STUDIES/ SKULL

1974. **Kooi PV:** Hyperthyroidism with a functioning nodule.
J Iowa Med Soc 63:111-3, Mar 73
*ADENOMA, physiopathology/ ADULT/ FEMALE/ HEART ARREST, etiology/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, surgery/ POSTOPERATIVE COMPLICATIONS/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, physiopathology

1975. **Kooner DS, Ludwick TM:** Hyaluronidase levels of bull & rabbit semen after incubation in rabbit uterus.
Indian J Exp Biol 10:163-5, May 72
ANIMAL EXPERIMENTS/ CATTLE/ DENSITOMETRY/ ESTRUS/ FEMALE/ HEAT/ *HYALURONIDASE, analysis/ PHAGOCYTOSIS/ PROGESTERONE, pharmacodynamics/ RABBITS/ *SEMEN, enzymology/ SPERM CAPACITATION/ *UTERUS

1976. **Korbecki M, Luczak M, Kobus M, et al:** Badanie antywirusowych właściwości pochodnych tiomocznika.
Med Dosw Mikrobiol 24:369-74, 1972 (Pol)
CELLS, CULTURED/ CYTOPATHOGENIC EFFECT, VIRAL/ ENGLISH ABSTRACT/ *PARA-INFLUENZA VIRUSES, drug effects/ *THIOUREA, pharmacodynamics

1977. **Korduba CA, Veals J, Wohl A, et al:** SCH 10595, an effective dopamine- -hydroxylase inhibitor and a hypotensive agent.
J Pharmacol Exp Ther 184:671-7, Mar 73
*AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ BRAIN, metabolism/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ DOPAMINE, metabolism/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, biosynthesis/ NOREPINEPHRINE, metabolism/ *PICOLINIC ACIDS, pharmacodynamics/ RATS/ SPLEEN, metabolism/ TIME FACTORS

1978. **Korinek JK, Moses HL, Mitchell WM, et al:** Mechanism of syncytium formation between XC sarcoma cells and murine endocrine carcinoma cells.
J Natl Cancer Inst 49:1269-75, Nov 72
ADRENAL GLAND NEOPLASMS/ ANIMAL EXPERIMENTS/ C-TYPE VIRUSES/ *CARCINOMA/ CELL FUSION/ CELL LINE/ CELL MEMBRANE/ *CELL NUCLEUS/ CELL NUCLEUS, drug effects/ COLCHICINE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEOXYADENOSINE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ INCLUSION BODIES, VIRAL/ MICE/ MICROSCOPY, ELECTRON/ MOUSE LEUKEMIA VIRUSES/ PITUITARY NEOPLASMS/ RATS/ *SARCOMA, EXPERIMENTAL

1979. **Korkhov VV:** Vliianie ornida na nekotorye biokhimicheskie izmeneniia v pecheni pri neĭrogennoĭ ee distrofii.
Farmakol Toksikol 35:619-23, Sep-Oct 72 (Rus)
ADENOSINE TRIPHOSPHATE, metabolism/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BRETYLIUM COMPOUNDS, therapeutic use/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ IMMOBILIZATION/ LIVER, enzymology/ LIVER, innervation/ *LIVER, metabolism/ LIVER DISEASES, drug therapy/ LIVER DISEASES, enzymology/ LIVER DISEASES, metabolism/ *LIVER DISEASES, physiopathology/ LIVER GLYCOGEN, metabolism/ MALE/ PAIN/ PHOSPHORUS/ RABBITS/ RATS/ REFLEX SYMPATHETIC DYSTROPHY, drug therapy/ REFLEX SYMPATHETIC DYSTROPHY, enzymology/ REFLEX SYMPATHETIC DYSTROPHY, metabolism/ *REFLEX SYMPATHETIC DYSTROPHY, physiopathology/ SPLANCHNIC NERVES/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TRANSFERASES, metabolism

1980. **Kormano M, Hovatta O:** In vitro contractility of rat seminiferous tubules following 400 R whole-body x-irradiation. Strahlentherapie 144:713-8, Dec 72
ADENOSINE TRIPHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ LEYDIG CELLS/ MALE/ NUCLEOTIDASES, analysis/ *RADIATION GENETICS/ RATS/ SPERMATOGENESIS, radiation effects/ TESTIS, enzymology/ TESTIS, pathology/ *TESTIS, radiation effects

1981. **Körner H:** Reifung, Befruchtung und Teilung von menschlichen Eizellen bei polyzystischen Ovarien in vitro. Zentralbl Gynaekol 95:217-24, 16 Feb 73 (Ger)
ADULT/ CELL DIVISION/ CELLS, CULTURED/ CULTURE MEDIA/ FEMALE/ *FERTILIZATION/ HUMAN/ *OVUM, growth & development/ SPERM CAPACITATION/ *STEIN-LEVENTHAL SYNDROME, complications/ STEIN-LEVENTHAL SYNDROME, pathology/ STEIN-LEVENTHAL SYNDROME, therapy/ STERILITY, FEMALE, etiology

1982. **Korossy S, Doroszlay J, Munkácsi A, et al:** Evaluation of peritol in the management of allergic diseases of the skin. Ther Hung 20:95-103, 1972
ACETYLCHOLINE, antagonists & inhibitors/ ANTIHISTAMINICS, pharmacodynamics/ BODY WEIGHT, drug effects/ CLINICAL RESEARCH/ *CYPROHEPTADINE, therapeutic use/ *DERMATITIS, ATOPIC, drug therapy/ *ECZEMA, drug therapy/ HUMAN/ MORPHINE, antagonists & inhibitors/ PLACEBOS/ SEROTONIN, antagonists & inhibitors/ SLEEP, drug effects/ *URTICARIA, drug therapy

1983. **Korz R:** Intraerythrocytärer Cyanidstoffwechsel bei chronischer Niereninsuffizienz.
Klin Wochenschr 51:78-81, 15 Jan 73 (Ger)
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *CYANIDES, metabolism/ ENGLISH ABSTRACT/ *ERYTHROCYTES, metabolism/ HUMAN/ IN VITRO/ IRON, blood/ *KIDNEY FAILURE, CHRONIC, metabolism/ LIVER, enzymology/ PHOTOMETRY/ RATS/ SULFURTRANSFERASES, blood/ THIOSULFATES, blood/ UREA, blood/ UREMIA, metabolism

1984. **Kosasa T, Levesque L, Goldstein DP, et al:** Early detection of implantation using a radioimmunoassay specific for human chorionic gonadotropin.
J Clin Endocrinol Metab 36:622-4, Mar 73
FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *NIDATION/ PREGNANCY/ RADIOIMMUNOASSAY

1985. **Koshy TS, John L, Abraham KA, et al:** Plasma cortisol level in normal Indian subjects and its variation in disease. J Indian Med Assoc 59:89-92, 1 Aug 72
ADDISON'S DISEASE, blood/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, blood/ DEXAMETHASONE, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ LEPROSY, blood/ OBESITY, blood/ SPRUE, TROPICAL, blood

1986. **Koss MC, Nakano J:** Effects of prostaglandins E 1 and F

2 on the peripheral circulation in the cat.
Proc Soc Exp Biol Med 142:383-6, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CATS/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ HINDLIMB, blood supply/ INJECTIONS, INTRAVENOUS/ PERFUSION/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

1987. **Kostellow AB, Morrill GA:** Factors controlling the selection of tissue-specific metabolic pathways in early embryonic cells.
Exp Cell Res 77:183-94, 15 Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELLS, CULTURED/ CULTURE MEDIA/ EMBRYO, analysis/ EMBRYO, enzymology/ *EMBRYO, metabolism/ FEMALE/ FROGS/ KYNURENINE, metabolism/ MELATONIN, analysis/ METHODS/ PROTEINS, analysis/ PROTEINS, biosynthesis/ RANA PIPIENS, embryology/ SEROTONIN, analysis/ SEROTONIN, metabolism/ TIME FACTORS/ TRYPTOPHAN, analysis/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism/ TRYPTOPHAN OXYGENASE, metabolism

1988. **Kotchen TA, Mougey EH, Hogan RP, et al:** Thyroid responses to simulated altitude.
J Appl Physiol 34:165-8, Feb 73
ADULT/ *ALTITUDE/ ATMOSPHERE EXPOSURE CHAMBERS/ ENVIRONMENT, CONTROLLED/ HUMAN/ OXYGEN, blood/ *THYROID GLAND, physiology/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS

1989. **Koutras DA, Sfontouris J, Pandos PG, et al:** Measurements of the radioactive iodide and pertechnetate uptake for the study of the trapping and binding functions of the human thyroid.
Nucl Med (Stuttg) 11:338-51, 30 Dec 72
CARBIMAZOLE, pharmacodynamics/ *GOITER, diagnosis/ *GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *IODINE ISOTOPES/ RADIOISOTOPE SCANNING/ *TECHNETIUM, metabolism/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS/ TIME FACTORS

1990. **Kovács L:** Die Behandlung rheumatischer Erkrankungen mit Prednirheumin-komhi.
Ther Ggw 111:1788-90 passim, Dec 72 (Ger)
*ANTI-INFLAMMATORY AGENTS, therapeutic use/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ EVALUATION STUDIES/ HUMAN/ *PHENYLBUTAZONE, therapeutic use/ *PREDNISONE, therapeutic use/ *RHEUMATISM, drug therapy

1991. **Kovács M, Harsányi L, Sellyei M:** Y-body in cell nuclei of parenchymatous organs.
Z Rechtsmed 71:104-7, 28 Nov 72
AUTOPSY/ BONE MARROW CELLS/ BRAIN, pathology/ *CELL NUCLEUS/ *FORENSIC MEDICINE/ HUMAN/ LIVER, pathology/ MALE/ MICROSCOPY, FLUORESCENCE/ MYOCARDIUM, pathology/ QUINACRINE/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ SPLEEN, pathology

1992. **Kovalenko VL, Marenko VF, Vinogradova EB:** Sluchaĭ posleluchevoĭ rabdomiosarkomy.
Klin Med (Mosk) 50:138-9, Sep 72 (Rus)
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *NEOPLASMS, RADIATION-INDUCED/ OVARIAN NEOPLASMS, radiotherapy/ *RHABDOMYOSARCOMA, etiology/ TERATOID TUMOR, radiotherapy

1993. **Kovi J, Viola MV:** Oral contraceptives and breast histology. JAMA 223:802, 12 Feb 73
ADULT/ BREAST, drug effects/ *BREAST, pathology/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, pathology/ *CARCINOMA, DUCTAL, chemically induced/ CARCINOMA, DUCTAL, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN

1994. **Kovithavongs T, Becker FO, Ing TS:** Parathyroid hyperfunction in acute renal failure. Serial studies in man. Nephron 9:349-55, 1972
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPOCALCEMIA, etiology/ *KIDNEY FAILURE, ACUTE, complications/ KIDNEY FAILURE, ACUTE, physiopathology/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, physiopathology/ PARATHYROID HORMONE, secretion/ RADIOIMMUNOASSAY

1995. **Kovtuniak NA, Meshchishen IF, Tsapok PI:** Aktivnost' ATF-azy i RNK-azy v pecheni i soderzhanie kaliia i natriia v organizme belykh krys pri éksperimental'nom tireoidinovom toksikoze.
Probl Endokrinol (Mosk) 18:86-9, Nov-Dec 72 (Rus)
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ BRAIN, metabolism/ BRAIN CHEMISTRY/ CELL NUCLEUS, metabolism/ ENGLISH ABSTRACT/ ERYTHROCYTES, metabolism/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ KIDNEY, metabolism/ *LIVER, enzymology/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *POTASSIUM, metabolism/ PROTEINS, metabolism/ RATS/ *RIBONUCLEASE, metabolism/ *SODIUM, metabolism/ SPLEEN, metabolism/ THYROID HORMONES

1996. **Kowalczyk K, Fabian F:** Niedowład obwodowy nerwu twarzowego w przebiegu zapalno-alergicznego odczynu korzeniwo-oponowego.
Neurol Neurochir Pol 7:59-61, Jan-Feb 73 (Pol)
ADOLESCENCE/ ADULT/ CEREBROSPINAL FLUID PROTEINS, analysis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *FACIAL PARALYSIS, diagnosis/ FACIAL PARALYSIS, drug therapy/ FACIAL PARALYSIS, etiology/ FEMALE/ GAMMA GLOBULIN, analysis/ HUMAN/ LYMPHOCYTOSIS, diagnosis/ MALE/ MIDDLE AGE/ *POLYRADICULITIS, diagnosis/ PREDNISONE, therapeutic use/ SALICYLIC ACID, therapeutic use/ SYNDROME/ VITAMINS, therapeutic use

1997. **Koyanagi T, Tsuji I, Kudo T, et al:** Double vas deferens associated with ipsilateral renal agenesis, simulating ectopic ureter. J Urol 108:631-4, Oct 72
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ALBUMINURIA/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERTENSION, RENAL, complications/ *KIDNEY, abnormalities/ MALE/ RENIN, blood/ SEMINAL VESICLES, radiography/ *URETER, abnormalities/ *VAS DEFERENS, abnormalities

1998. **Koziołowa H:** Marskość wątroby. 3. Postępy w leczeniu.
Pol Arch Med Wewn 50:47-50, Jan 73 (Pol)
ESOPHAGEAL VARICES, complications/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ HYPERALDOSTERONISM, complications/ LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, drug therapy/ *LIVER CIRRHOSIS, therapy/ POTASSIUM, urine/ REST/ REVIEW/ SODIUM, urine/ VASOPRESSIN, therapeutic use/ VITAMINS, therapeutic use

1999. **Koziowski J, Mazurek A:** Kilka uwag o poradnictwie genetycznym w przypadkach wad rozwojowych skóry.
Przegl Dermatol 59:683-9, Sep-Oct 72 (13 ref.) (Pol)
CRYING CAT SYNDROME, familial & genetic/ FAMILY PLANNING/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ GENETIC CODE/ *GENETIC COUNSELING/ GENETICS, POPULATION/ HEREDITARY DISEASES/ HETEROZYGOTE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, familial &

genetic/ MALE/ MONGOLISM, familial & genetic/ REVIEW/ SEX FACTORS/ SKIN, abnormalities/ *SKIN DISEASES, familial & genetic/ TURNER'S SYNDROME, familial & genetic

2000. **Kraeling RR**: A modified supraorbital approach to hypophysectomy in the pig.
Am J Vet Res 34:283-4, Feb 73
ANESTHESIA, INHALATION, veterinary/ ANIMAL EXPERIMENTS/ CAROTID ARTERY, INTERNAL, surgery/ DRAINAGE/ FEMALE/ HALOTHANE/ *HYPOPHYSECTOMY, veterinary/ INJECTIONS, INTRAVENOUS/ INTRACRANIAL PRESSURE/ INTUBATION, veterinary/ METHODS/ NITROUS OXIDE/ NITROUS OXIDE, adverse effects/ SODIUM CHLORIDE, administration & dosage/ *SWINE

2001. **Kraeling RR, Gerrits RJ**: Corpus luteum maintenance in gilts during hypothalamic suppression with AIMAX.
J Anim Sci 36:387-90, Feb 73
ADMINISTRATION, ORAL/ ALLYL COMPOUNDS, administration & dosage/ ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIUREAS, administration & dosage/ *BIUREAS, pharmacodynamics/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, drug effects/ HYSTERECTOMY/ ORGAN WEIGHT/ SULFIDES, administration & dosage/ SULFIDES, pharmacodynamics/ *SWINE, physiology/ UTERUS, physiology

2002. **Krajča K, Daniška J**: Syndróm Prader-Willi kombinovaný so syndrómom Lobsteinovým.
Bratisl Lek Listy 59:208-13, Feb 73 (Slo)
*ABNORMALITIES, MULTIPLE, complications/ ADOLESCENCE/ CHROMOSOME ABERRATIONS/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGONADISM, complications/ MALE/ *MENTAL RETARDATION, complications/ OBESITY, complications/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ PEDIGREE/ *SCLERA, abnormalities/ SYNDROME

2003. **Kranendonk DH, Jurist JM, Lee HG**: Femoral trabecular patterns and bone mineral content.
J Bone Joint Surg [Am] 54:1472-8, Oct 72
*BONE AND BONES, metabolism/ COMPARATIVE STUDY/ FEMALE/ *FEMUR, radiography/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ MIDDLE AGE/ MINERALS, analysis/ *MINERALS, metabolism/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, metabolism/ RADIUS, analysis/ RADIUS, metabolism

2004. **Krantz SB, Moore WH, Zaentz SD**: Studies on red cell aplasia. V. Presence of erythroblast cytotoxicity in G-globulin fraction of plasma.
J Clin Invest 52:324-36, Feb 73
ANEMIA, APLASTIC, drug therapy/ *ANEMIA, APLASTIC, metabolism/ BONE MARROW CELLS, metabolism/ CYCLOPHOSPHAMIDE, therapeutic use/ *ERYTHROCYTES, ABNORMAL, metabolism/ ERYTHROPOIETIN, pharmacodynamics/ GAMMA GLOBULIN, analysis/ *GAMMA GLOBULIN, physiology/ HEME, analysis/ HEME, biosynthesis/ HEMOGLOBIN, analysis/ HUMAN/ IRON ISOTOPES/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use

2005. **Kratochwil A, Zeibekis N**: Die Ultraschalldiagnostik der Blasenmole.
Geburtshilfe Frauenheilkd 32:895-9, Oct 72 (Ger)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ LEIOMYOMA, diagnosis/ MYOSARCOMA, diagnosis/ PREGNANCY/ TWINS/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

2006. **Kratz RC**: The identification and protection of the laryngeal motor nerves during thyroid and laryngeal surgery: a new microsurgical technique.
Laryngoscope 83:59-78, Jan 73
ELECTRIC STIMULATION/ FEMALE/ HUMAN/ LARYNGEAL NERVES, anatomy & histology/ *LARYNGEAL NERVES, injuries/ LARYNGEAL NERVES, surgery/ *LARYNX, surgery/ MICROSCOPY/ MIDDLE AGE/ MOTOR NEURONS, anatomy & histology/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, surgery/ VOCAL CORD PARALYSIS, etiology

2007. **Krause HH**: Qualitative und quantitative Untersuchungen an spontan dystopen Rattenhoden.
Andrologie 4:45-54, 1972 (Ger)
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ BODY WEIGHT/ CELL DIFFERENTIATION/ ENGLISH ABSTRACT/ EOSINOPHILS/ MALE/ PUBERTY/ RATS/ *SPERMATOGENESIS/ *STERILITY, MALE, etiology/ *TESTIS, abnormalities/ TESTIS, pathology

2008. **Krause W, Homola S**: Beeinflussung der Spermiogenese durch DDVP (Dichlorvos.
Arch Dermatol Forsch 244:439-41, 1972 (Ger)
ANIMAL EXPERIMENTS/ *DICHLORVOS, pharmacodynamics/ ESTERASES, antagonists & inhibitors/ MALE/ MICE/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ *TESTIS, drug effects/ TESTIS, pathology

2009. **Krause W, Monadjemi W**: Der Einsatz des immunchemischen ICSH-Tests in der Andrologie.
Andrologie 4:147-51, 1972 (Ger)
ENGLISH ABSTRACT/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *HYPOGONADISM, urine/ IMMUNOLOGIC TECHNICS/ *KLINEFELTER'S SYNDROME, urine/ *LH, urine/ MALE/ *STERILITY, MALE, urine

2010. **Krawczuk A, Kowalska E, Wiśniewski L**: Genetic and endocrinological studies in a patient with the XYY syndrome. Andrologie 4:69-74, 1972
ADOLESCENCE/ AUTORADIOGRAPHY/ BIOPSY/ CASE REPORT/ CYTOGENETICS/ DERMATOGLYPHICS/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ESTROGENS, urine/ HUMAN/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ MALE/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, metabolism/ SEX CHROMOSOME ABNORMALITIES, pathology/ *TESTIS, pathology

2011. **Krawitt EL, Stubbert PA, Ennis PH**: Calcium absorption and brush border phosphatases following dietary calcium restriction.
Am J Physiol 224:548-51, Mar 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ *CALCIUM, DIETARY/ DUODENUM, metabolism/ ILEUM, metabolism/ *INTESTINAL ABSORPTION/ *INTESTINE, SMALL, enzymology/ JEJUNUM, metabolism/ MAGNESIUM/ MALE/ RATS

2012. **Krebs HA**: The Pasteur effect and the relations between respiration and fermentation.
Essays Biochem 8:1-34, 1972 (148 ref.)
ALLOSTERIC REGULATION/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ ERYTHROCYTES, metabolism/ FEMALE/ FERMENTATION/ *GLYCOLYSIS/ HEXOKINASE, antagonists & inhibitors/ HEXOSES, metabolism/ INTESTINAL MUCOSA/ KIDNEY MEDULLA, metabolism/ LACTATION/ LIPIDS, metabolism/ MUSCLES, metabolism/ NEOPLASMS, metabolism/ NITRILES/ OXIDATIVE PHOSPHORYLATION/ *OXYGEN/ *OXYGEN CONSUMPTION/ PHOSPHATES, metabolism/ PHOSPHOFRUCTOKINASE, antagonists & inhibitors/ PHOSPHOFRUCTOKINASE, metabolism/

PREGNANCY/ RETINA, metabolism/ REVIEW/ UNCOUPLING AGENTS

2013. **Kreze A:** Steroidná diagnostika porúch adrenokortexu. II. Funkčný test kortikotropínový metopironový a dexametazónový.
Bratisl Lek Listy 59:214-26, Feb 73 (Slo)
ADRENAL GLAND DISEASES, diagnosis/ *CORTICOTROPIN, diagnostic use/ *DEXAMETHASONE, diagnostic use/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL FUNCTION TESTS

2014. **Krider HM, Plaut W:** Studies on nucleolar RNA synthesis in Drosophila melanogaster. I. The relationship between number of nucleolar organizers and rate of synthesis. J Cell Sci 11:675-87, Nov 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CELL NUCLEOLUS, metabolism/ *DROSOPHILA MELANOGASTER, metabolism/ FEMALE/ KINETICS/ MALE/ NEURONS/ *RNA, biosynthesis/ SEX CHROMOSOMES/ TRANSCRIPTION, GENETIC/ TRITIUM/ URIDINE, metabolism

2015. **Krider HM, Plaut W:** Studies on nucleolar RNA synthesis in Drosophila melanogaster. II. The influence of conditions resulting in a bobbed phenotype on rate of synthesis and secondary constriction formation. J Cell Sci 11:689-97, Nov 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CELL NUCLEOLUS, metabolism/ CONSTRICTION/ *DROSOPHILA MELANOGASTER, metabolism/ FEMALE/ GENETICS, BIOCHEMICAL/ KINETICS/ MALE/ *PHENOTYPE/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ SEX CHROMOSOMES/ TRITIUM/ URIDINE, metabolism

2016. **Krieger DT, Albin J, Paget S, et al:** Failure of suppression of nocturnal growth hormone rise by acute corticosteroid administration.
Horm Metab Res 4:463-6, Nov 72
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ADULT/ CIRCADIAN RHYTHM/ ELECTROENCEPHALOGRAPHY/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ MALE/ SLEEP/ SLEEP STAGES/ *SOMATOTROPIN, antagonists & inhibitors/ SOMATOTROPIN, blood/ TIME FACTORS

2017. **Krigbaum WR, Kuegler FR, Oelschlaeger H:** A small-angle X-ray diffraction study of valinomycin and its potassium isothiocyanate complex in solution.
Biochemistry 11:4548-52, 21 Nov 72
ALCOHOL, ETHYL/ ALCOHOLS, BUTYL/ AMINO ACID SEQUENCE/ MATHEMATICS/ MOLECULAR WEIGHT/ POTASSIUM/ PROTEIN BINDING/ PROTEIN CONFORMATION/ THIOCYANATES/ *VALINOMYCIN/ X-RAY DIFFRACTION

2018. **Krishnamurthy K, Mansharamani GG, Madhavan M, et al:** Paget's disease. A case report.
Indian J Med Sci 26:739-40, Nov 72
ADULT/ BIOPSY/ BONE AND BONES, pathology/ FEMALE/ HUMAN/ *OSTEITIS DEFORMANS/ OSTEITIS DEFORMANS, pathology/ OSTEITIS DEFORMANS, radiography

2019. **Kröger H, Donner I, Skiello G:** Zur Spezifität der durch Cortison bewirkten Enzym-Induktion in dder Rattenleber.
Hoppe Seylers Z Physiol Chem 353:1542, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ ENZYME INDUCTION/ *ENZYME INDUCTION, drug effects/ *LIVER, enzymology/ RATS/ SERINE DEHYDRATASE, biosynthesis/ TRYPTOPHAN OXYGENASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, biosynthesis

2020. **Krug F, Parikh I, Illiano G, et al:** , -methylene-adenosine 5'-triphosphate. A competitive inhibitor of adenylate cyclase in fat and liver cell membranes. J Biol Chem 248:1203-6, 25 Feb 73
*ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GLUCAGON, administration & dosage/ GLUCAGON, pharmacodynamics/ KINETICS/ LIVER, cytology/ *LIVER, enzymology/ MALE/ MEMBRANES, enzymology/ ORGAN SPECIFICITY/ PHOSPHONIC ACIDS, pharmacodynamics/ RATS/ SODIUM, pharmacodynamics

2021. **Krug F, Parikh I, Illiano G, et al:** , -Methylene-adenosine-5'-triphosphate--effects of a competitive inhibitor of adenylate cyclase on cyclic AMP accumulation and lipolysis in isolated fat cells.
Biochem Biophys Res Commun 50:985-91, 20 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ EPINEPHRINE, pharmacodynamics/ GLUCOSE, metabolism/ INSULIN, pharmacodynamics/ KINETICS/ *LIPIDS, metabolism/ OXIDATION-REDUCTION/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, isolation & purification/ PROTEINS/ RATS/ TRITIUM

2022. **Krüger KE, Moeller W, Zernahle K:** Chorioideremie und familienberatung.
Acta Ophthalmol (Kbh) 50:782-92, 1972 (Ger)
CHILD/ CHILD, PRESCHOOL/ *CHOROID, abnormalities/ CHROMOSOME MAPPING/ EYE DISEASES, familial & genetic/ FEMALE/ *GENETIC COUNSELING/ GENOTYPE/ HUMAN/ KARYOTYPING/ MALE/ MIDDLE AGE/ PEDIGREE/ *SEX CHROMOSOMES

2023. **Krumin' AR:** Differentsial'naia spiralizatsiia khromosom obez'iany Macaca mulatta i kriterii otbora metafaz dlia morfometricheskogo analiza.
Tsitologiia 15:36-44, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ COLCHICINE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ LEUKOCYTES, cytology/ LEUKOCYTES, drug effects/ *MACACA/ MALE/ *MITOSIS/ MONKEYS/ SEX CHROMOSOMES

2024. **Kruschwitz S:** Oestrogenbildende Ovarialtumoren und ihre Beziehung zum Endometriumcarcinom.
Arch Gynaekol 213:150-61, 1972 (Ger)
ADULT/ CARCINOMA, etiology/ ENDOMETRIOSIS, etiology/ ENDOMETRIOSIS, pathology/ ENGLISH ABSTRACT/ *ESTROGENS, biosynthesis/ FEMALE/ GRANULOSA CELL TUMOR, complications/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, metabolism/ RETROSPECTIVE STUDIES/ THECA CELL TUMOR, complications/ *UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, occurrence

2025. **Kubota Y, Ueki H, Shoji H, et al:** [Biochemical studies on human salivary proteins. 8. Separation of a parotin-like substance from human saliva under mild conditions]
J Pharm Soc Jap 92:796-800, Jul 72 (Jap)
ADULT/ CALCIUM, blood/ CHROMATOGRAPHY/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FEMALE/ *HORMONES, isolation & purification/ HUMAN/ LEUKOCYTES/ MALE/ PAROTIN, isolation & purification/ *SALIVA, analysis

2026. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins. XI. Effect of

saliva-parotin-A on phosphatase activities]
J Pharm Soc Jap 92:844-9, Jul 72 (Jap)
ACID PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ MALE/ PAROTIN, pharmacodynamics/ *PHOSPHATASES, metabolism/ PROSTATE, enzymology/ RABBITS/ *SALIVA, analysis

2027. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins. XII. Comparison between saliva-parotin-A and various hormones on hypocalcemic and acid phosphatase-depressing activities]
J Pharm Soc Jap 92:871-3, Jul 72 (Jap)
*ACID PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ MALE/ PAROTIN, pharmacodynamics/ RABBITS/ THYROCALCITONIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2028. **Kubota Y, Ueki H, Shoji S:** [Biochemical studies on human salivary proteins. X. Relationship between serum citrate-lowering and leukocytes-increasing actions of saliva-parotin-A]
J Pharm Soc Jap 92:808-10, Jul 72 (Jap)
*CITRATES, blood/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ HUMAN/ *LEUKOCYTES/ PAROTIN, pharmacodynamics/ *SALIVA/ STIMULATION, CHEMICAL

2029. **Kubota Y, Ueki H, Hirakawa N, et al:** [Biochemical studies on human salivary proteins. IX. Cleavage and modification of saliva-parotin-A by chemical reagents and their effects on the biological activities]
J Pharm Soc Jap 92:801-7, Jul 72 (Jap)
CALCIUM, blood/ ENGLISH ABSTRACT/ GEL FILTRATION/ *HORMONES, pharmacodynamics/ HUMAN/ LEUKOCYTES/ PAROTIN, pharmacodynamics/ PROTEIN DENATURATION/ *SALIVA, analysis

2030. **Kucherenko RP, Bernovskaia AA, Moreva EV, et al:** Vliianie metamizila na razvitie tsentrogennykh distrofii i ul'trastrukturu sinapsov.
Farmakol Toksikol 36:54-8, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, metabolism/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ MOTOR CORTEX, drug effects/ *MOTOR CORTEX, physiology/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ *PARASYMPATHOLYTICS, pharmacodynamics/ RABBITS/ *SYNAPSES, drug effects

2031. **Kuchushev EKh:** Osobennosti deĭstviia adreno- i kholinomimetikov v usloviiakh sensibilizatsii i anafilaksii.
Farmakol Toksikol 35:661-2, Nov-Dec 72 (Rus)
ANAPHYLAXIS, drug therapy/ ANAPHYLAXIS, etiology/ *ANAPHYLAXIS, physiopathology/ ANIMAL EXPERIMENTS/ CHOLINESTERASE INHIBITORS/ DOGS/ ENGLISH ABSTRACT/ EPHEDRINE/ EPINEPHRINE/ HORSES, immunology/ *HYDROCORTISONE, therapeutic use/ HYPERSENSITIVITY, drug therapy/ *HYPERSENSITIVITY, physiopathology/ INTESTINE, SMALL, innervation/ *INTESTINE, SMALL, physiology/ MIOTICS/ PHOSPHATES/ RECEPTORS, NEURAL/ SERUM SICKNESS, complications/ SERUM SICKNESS, drug therapy/ SERUM SICKNESS, physiopathology

2032. **Kudzma DJ, Bradley EM, Goldzieher JW:** A metabolic balance study of the effects of an oral steroid contraceptive on weight and body composition.
Contraception 5:31-7, Jan 72
ADIPOSE TISSUE, metabolism/ ADULT/ BODY COMPOSITION, drug effects/ BODY WEIGHT, drug effects/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, pharmacodynamics/ FECES, analysis/ FEMALE/ HUMAN/ MENSTRUATION/ NITROGEN, metabolism/ NORGESTREL, pharmacodynamics/ POTASSIUM, metabolism/ POTASSIUM, urine/ SODIUM, metabolism/ SODIUM, urine/ SPECIAL LIST REPRODUCTION

2033. **Kudzma DJ, Hegstad PM, Stoll RE:** The chick as a laboratory model for the study of estrogen-induced hyperlipidemia.
Metabolism 22:423-34, Mar 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PROTEIN DISORDERS, blood/ BLOOD PROTEIN DISORDERS, chemically induced/ CARBON ISOTOPES/ *CHICKENS/ CHOLESTEROL, blood/ CHYLOMICRONS, blood/ CONTRACEPTIVES, ORAL, adverse effects/ DIETHYLSTILBESTROL/ *DISEASE MODELS, ANIMAL/ *ESTROGENS/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HYPERLIPEMIA, blood/ *HYPERLIPEMIA, chemically induced/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIVER, metabolism/ MALE/ TRIGLYCERIDES, blood/ ULTRACENTRIFUGATION

2034. **Kuenzel WJ:** Dual hypothalamic feeding system in a migratory bird, Zonotrichia albicollis.
Am J Physiol 223:1138-42, Nov 72
ADIPOSE TISSUE/ ANIMAL EXPERIMENTS/ APPETITE REGULATION/ *BIRDS, physiology/ BODY WEIGHT/ *FEEDING BEHAVIOR/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ SEX FACTORS/ STEREOTAXIC TECHNICS

2035. **Kuhn NJ:** The lactose and neuraminlactose content of rat milk and mammary tissue.
Biochem J 130:177-80, Nov 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ FEMALE/ LACTATION/ *LACTOSE, analysis/ *MAMMAE, analysis/ MICE/ *MILK, analysis/ *NEURAMINIC ACIDS, analysis/ RATS

2036. **Kulcsár A, Gergely J:** Szexuálszteroidok hatása a hexobarbitál-narkózisra.
Acta Pharm Hung 43:14-7, Jan 73 (Hun)
*ANESTHESIA/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRONE, pharmacodynamics/ FEMALE/ *HEXOBARBITAL/ MALE/ RATS/ *TESTOSTERONE, pharmacodynamics

2037. **Kumahara Y, Miyai K, Hashimoto T, et al:** [Radioimmunoassay of pituitary hormones]
Jap J Clin Pathol 20:Suppl:1, 1972 (Jap)
ANTIBODIES/ PITUITARY HORMONE RELEASING FACTORS/ *PITUITARY HORMONES, ANTERIOR, analysis/ *RADIOIMMUNOASSAY

2038. **Kumamoto Y, Terada M, Hikita M, et al:** [Sex chromosomal abnormalities in testicular disorders with special reference to male sterility]
Jap J Clin Med 30:2262-8, Nov 72 (Jap)
HUMAN/ INTELLIGENCE/ KLINEFELTER'S SYNDROME, diagnosis/ KLINEFELTER'S SYNDROME, familial & genetic/ KLINEFELTER'S SYNDROME, pathology/ MALE/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *STERILITY, MALE, familial & genetic/ *TESTICULAR DISEASES, familial & genetic/ TESTIS, pathology

2039. **Kumano N, Kurita K, Oka S:** Distribution of carboxymethylated yeast mannan in normal and tumor-bearing mice.
Gann 63:675-83, Dec 72
ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, metabolism/ BRAIN, metabolism/ CARBON ISOTOPES/ INJECTIONS, INTRAPERITONEAL/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MICE/ MYOCARDIUM, metabolism/

PANCREAS, metabolism/ POLYSACCHARIDES, administration & dosage/ *POLYSACCHARIDES, metabolism/ POLYSACCHARIDES, urine/ SACCHAROMYCES, analysis/ *SARCOMA 180, CROCKER, metabolism/ SKIN, metabolism/ SPLEEN, metabolism/ STOMACH, metabolism/ TESTIS, metabolism/ TRITIUM

2040. **Kumbar M, Sankar DV:** Quantum chemical studies on drug actions. II. Quantum chemical data on derivatives of catechol, indole, imidazole amines and of spermine and spermidine.
Res Commun Chem Pathol Pharmacol 5:45-72, Jan 73
AMINES/ *CATECHOL/ CATECHOLAMINES/ CHEMISTRY/ DOPAMINE/ EPINEPHRINE/ FLUORINE/ HALLUCINOGENS/ HISTAMINE/ HYDROXYINDOLEACETIC ACID/ HYDROXYLATION/ HYDROXYTRYPTOPHAN/ *IMIDAZOLES/ *INDOLES/ MANDELIC ACID/ NOREPINEPHRINE/ NORMETANEPHRINE/ PHENETHYLAMINES/ QUANTUM THEORY/ SEROTONIN/ *SPERMIDINE/ *SPERMINE/ SULFHYDRYL COMPOUNDS/ TRYPTAMINES/ TRYPTOPHAN/ TYRAMINE

2041. **Kunlin J, Lengua F, Testart J, et al:** Thromboangiosis or thromboangeitis treated by adrenalectomy and sympathectomy from 1942 to 1962. A follow-up study of 110 cases.
J Cardiovasc Surg (Torino) 14:21-7, Jan-Feb 73
ADOLESCENCE/ *ADRENALECTOMY/ ADULT/ AGE FACTORS/ AMPUTATION/ ANGIOGRAPHY/ ANTICOAGULANTS, therapeutic use/ ARTERIES, pathology/ ARTERIOSCLEROSIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EMOTIONS/ FOLLOW-UP STUDIES/ FROSTBITE, complications/ HUMAN/ MALE/ MIDDLE AGE/ *SYMPATHECTOMY/ THROMBOANGIITIS OBLITERANS, diagnosis/ THROMBOANGIITIS OBLITERANS, etiology/ THROMBOANGIITIS OBLITERANS, mortality/ THROMBOANGIITIS OBLITERANS, pathology/ THROMBOANGIITIS OBLITERANS, radiography/ THROMBOANGIITIS OBLITERANS, surgery/ *THROMBOANGIITIS OBLITERANS, therapy

2042. **Kurihara N, Shibata K:** Mediators in anaphylaxis of guinea-pig small intestine.
Jap J Pharmacol 22:581-5, Oct 72
*ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ ANTIGENS/ FREUND'S ADJUVANT/ GUINEA PIGS/ HISTAMINE LIBERATION/ IMMUNE SERUMS/ IMMUNITY, PASSIVE/ IN VITRO/ *INTESTINE, SMALL, immunology/ MALE/ OVALBUMIN/ PRECIPITIN TESTS/ RABBITS, immunology/ SEROTONIN, secretion/ SPECTROPHOTOMETRY

2043. **Kuroki T, Watanabe M:** [Metabolism of carcinogenic hydrocarbons]
Protein Nucleic Acid Enzyme (Tokyo) 17:927-41, Dec 72 (132 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ BENZOPYRENES/ *CARCINOGENS, metabolism/ CARCINOGENS, toxicity/ CHEMISTRY/ DIET/ DNA, metabolism/ FEMALE/ FETUS, enzymology/ HAMSTERS/ HEMEPROTEINS, metabolism/ HUMAN/ *HYDROCARBONS, metabolism/ HYDROCARBONS, toxicity/ HYDROXYLASES, metabolism/ INTESTINE, SMALL, enzymology/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MICE/ MONKEYS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NUCLEOPROTEINS, metabolism/ PLACENTA, enzymology/ PREGNANCY/ RATS/ REVIEW/ SKIN, enzymology

2044. **Kurth KH:** Parathyreogene und nicht-parathyreogene Tetanie nach Strumektomie (strumiprive Tetanie), Vorkommen und Behandlung.
Helv Chir Acta 39:737-40, Dec 72 **(Ger)**
ACUTE DISEASE/ CALCIUM, therapeutic use/ DIHYDROTACHYSTEROL, therapeutic use/ *GOITER, surgery/ HUMAN/ HYPOPARATHYROIDISM, drug therapy/ *HYPOPARATHYROIDISM, etiology/ HYPOPARATHYROIDISM, occurrence/ *POSTOPERATIVE COMPLICATIONS/ SWITZERLAND/ TETANY, drug therapy/ *TETANY, etiology/ TETANY, occurrence/ VITAMIN D, therapeutic use

2045. **Kuś M, Krakowski J:** Certain anesthesiologic problems in urological operations. Pol Med J 11:1203-9, 1972
ADRENAL GLANDS, surgery/ *ANESTHESIA/ ANESTHESIA, EPIDURAL/ ANESTHESIA, GENERAL/ ANESTHESIA, INTRATRACHEAL/ ANESTHESIA, LOCAL/ ANESTHETICS/ ANESTHETICS, metabolism/ ENDOSCOPY/ HOSPITAL OUTPATIENT CLINICS/ HUMAN/ KIDNEY, metabolism/ KIDNEY, surgery/ KIDNEY FAILURE, ACUTE, complications/ LUNG, blood supply/ MUSCLE RELAXANTS, CENTRAL, therapeutic use/ PNEUMOTHORAX, prevention & control/ POSITIVE-PRESSURE RESPIRATION/ POSTOPERATIVE COMPLICATIONS, prevention & control/ POSTURE/ PROSTATECTOMY/ PULMONARY CIRCULATION/ RESPIRATORY INSUFFICIENCY, prevention & control/ *UROLOGIC DISEASES, surgery/ VENTILATION-PERFUSION RATIO

2046. **Kusama M, Kumaoka S:** [Micro-quantitative determination of serum estradiol-17-beta by competitive protein-binding radioassay]
Clin Endocrinol (Tokyo) 20:761-8, Sep 72 **(Jap)**
CHROMATOGRAPHY/ CYTOSOL/ *ESTRADIOL, blood/ HUMAN/ MICROCHEMISTRY/ PROTEIN BINDING/ RABBITS

2047. **Kushinsky S, Chi D:** Estriol and creatinine in pregnancy urine. Obstet Gynecol 41:343-6, Mar 73
CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ *CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HUMAN/ METHODS/ PREGNANCY/ TIME FACTORS

2048. **Kuska J, Kokot F:** Plasma renin activity in patients with chronic nephritis. Pol Med J 11:1080-9, 1972
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE DETERMINATION/ CHRONIC DISEASE/ CREATININE, blood/ DIET, SALT-FREE/ FEMALE/ FOOD/ *GLOMERULONEPHRITIS, blood/ HUMAN/ HYPERTENSION, RENAL, blood/ KIDNEY FAILURE, CHRONIC, blood/ MALE/ MIDDLE AGE/ NITROGEN, blood/ POSTURE/ POTASSIUM, blood/ *PYELONEPHRITIS, blood/ *RENIN, blood/ SODIUM, blood

2049. **Kutas M, Chung A, Bartos D, et al:** A simple progesterone radioimmunoassay without column chromatography. Steroids 20:697-716, Dec 72
ANTIBODY SPECIFICITY/ CATTLE/ CHROMATOGRAPHY, GAS/ HYDROXYPROGESTERONE, chem synthesis/ METHODS/ *PROGESTERONE, analysis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES, chem synthesis/ TRITIUM

2050. **Kuttan R, Radhakrishnan AN:** Biochemistry of the hydroxyprolines.
Adv Enzymol 37:273-347, 1973 (496 ref.)
ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ BACTERIA, metabolism/ BONE DISEASES, urine/ CHEMISTRY/ COLLAGEN, blood/ *COLLAGEN, metabolism/ COLLAGEN DISEASES, urine/ ENDOCRINE DISEASES, urine/ GLYCOSIDES, urine/ HUMAN/ HYDROXYLATION/ HYDROXYLYSINE, urine/ *HYDROXYPROLINE/ HYDROXYPROLINE, biosynthesis/ HYDROXYPROLINE, blood/ HYDROXYPROLINE, metabolism/ HYDROXYPROLINE, urine/ ISOMERISM/ PEPTIDE HYDROLASES, metabolism/ PLANTS, metabolism/ POLYRIBOSOMES, metabolism/ PROLINE, metabolism/ PROLINE HYDROXYLASE, metabolism/ PROTEIN PRECURSORS/ REVIEW

2051. **Kuzin MI, Uspenskii LV, Volkov BP:** Osobennosti kliniki, diabnostiki i lecheniia miastenii pri

opukholevom porazhenii vilochkoĭ zheiezy.
Vestn Khir 108:48-52, Jul 72 (Rus)
ADULT/ CORTICOTROPIN, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ *MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, radiotherapy/ MUSCULAR DISEASES, surgery/ THYMECTOMY/ *THYMOMA, complications/ THYMOMA, radiography/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, radiography

2052. **Kuznetsova LM, Shestopalova VM:** Vplyv hidrokortyzonu na vmist 1 rozpodil ryboflavinu v tkanynakh tvaryn.
Ukr Biokhim Zh 44:500-3, 1972 (Ukr)
ANIMAL EXPERIMENTS/ CHICKENS/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HYDROCORTISONE, pharmacodynamics/ KIDNEY, analysis/ *LIVER, analysis/ MYOCARDIUM, analysis/ RATS/ *RIBOFLAVIN, analysis

2053. **Kvinnsland S, Abro A:** Epithelial ultrastructure and the distribution of an estradiol sensitive antigen in the vagina of adult mice.
Z Zellforsch Mikrosk Anat 136:263-75, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ CASTRATION/ CELL DIFFERENTIATION/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, immunology/ *ESTRADIOL/ FEMALE/ FERRITIN/ FLUORESCENCE/ FLUORESCENT ANTIBODY TECHNIC/ KERATIN/ MICE/ MICROSCOPY, ELECTRON/ MUCUS/ VAGINA, cytology/ *VAGINA, immunology

2054. **Kwarecki K, Szmigielski S, Jeljaszewicz J:** Neurosecretory system function of guinea pigs under influence of staphylococcal alpha toxin.
Pathol Microbiol (Basel) 38:411-6, 1972
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ GUINEA PIGS/ HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiopathology/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MALE/ METHIONINE, metabolism/ *NEUROSECRETION, drug effects/ PITUITARY GLAND, pathology/ *PITUITARY GLAND, physiopathology/ POISONING, pathology/ POISONING, physiopathology/ STAINS AND STAINING/ *STAPHYLOCOCCUS/ TIME FACTORS/ TOXINS, administration & dosage/ *TOXINS, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

2055. **Kyegombe D, Franklin C:** Drug-metabolising enzymes in the human placenta, their induction and repression.
Lancet 1:405-6, 24 Feb 73
*ALCOHOL OXIDOREDUCTASES, metabolism/ BARBITURATES, pharmacodynamics/ BARBITURATES, therapeutic use/ BIOTRANSFORMATION/ CELL MEMBRANE, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ ENZYME INDUCTION/ FEMALE/ HEXOBARBITAL/ HUMAN/ *LEUCINE AMINOPEPTIDASE, metabolism/ MATERNAL-FETAL EXCHANGE/ MICROSOMES, enzymology/ NITRO COMPOUNDS/ *OXIDOREDUCTASES, metabolism/ *PLACENTA, enzymology/ PLACENTA, metabolism/ PREGNANCY/ PREGNANCY TOXEMIAS, drug therapy

L

2056. **Labat JP:** A propos de 2 cas de dysostoses spondylométaphysaires: maladie de Murk Jansen et maladie de Schmidt.
Bord Med 5:1419-26, Jun 72 (Fre)
*BONE DISEASES, DEVELOPMENTAL, diagnosis/ *CARTILAGE, ARTICULAR/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, diagnosis/ ENGLISH ABSTRACT/ EXERTION/ HUMAN/ INFANT/ *LEG, abnormalities/ MALE/ *MENTAL RETARDATION, diagnosis/ *OSTEOPOROSIS, diagnosis/ SCLEROSIS/ *THORACIC VERTEBRAE

2057. **Labhsetwar AP:** Prostaglandin E 1 : studies on antifertility and luteolytic effects in hamsters and rats.
Biol Reprod 8:103-11, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ DECIDUA, drug effects/ DECIDUA, growth & development/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FERTILITY, drug effects/ FETAL DEATH, chemically induced/ HAMSTERS/ LABOR, drug effects/ MALE/ NIDATION, drug effects/ OVUM, physiology/ *PREGNANCY, drug effects/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, pharmacodynamics/ PSEUDOPREGNANCY, drug effects/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS/ UTERUS, drug effects/ VASODILATOR AGENTS, pharmacodynamics

2058. **Labhsetwar AP:** Antifertility properties of a new prostaglandin-ICI 74205.
Prostaglandins 2:375-92, Nov 72
ABORTION, INDUCED/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELL MOVEMENT, drug effects/ CORPUS LUTEUM, drug effects/ DECIDUA/ ESTRADIOL, antagonists & inhibitors/ FATTY ACIDS, UNSATURATED, pharmacodynamics/ FEMALE/ HAMSTERS/ INJECTIONS, SUBCUTANEOUS/ NIDATION, drug effects/ OVULATION, drug effects/ OVUM/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ PSEUDOPREGNANCY/ RATS/ SPECIAL LIST REPRODUCTION/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ VAGINA, drug effects/ VAGINAL SMEARS

2059. **Laborit H:** Anxiété, dé ressopm et Agr 1240.
Agressologie 13:275-83, 1972 (Fre)
*ANXIETY, drug therapy/ BEHAVIOR, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY/ CATECHOLAMINES, metabolism/ CEREBRAL CORTEX, drug effects/ *DEPRESSION, drug therapy/ ENGLISH ABSTRACT/ ETHYLAMINES, pharmacodynamics/ HUMAN/ HYDROCHLORIC ACID/ HYPOTHALAMUS, drug effects/ LIMBIC SYSTEM, drug effects/ LIMBIC SYSTEM, physiology/ METHYLATION/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ *MORPHOLINES, pharmacodynamics/ MOTIVATION, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ PSYCHOPHYSIOLOGIC DISORDERS, drug therapy/ *PYRIDAZINES, pharmacodynamics/ SEROTONIN, metabolism

2060. **Laborit H, Brunaud M, Savy JM, et al:** Etude biochimique et pharmacologique du 3-(2-morpholino-éthylamino) 4-méthyl 6-phényl pyridazine, dichlorhydrate (Agar 1240.
Agressologie 13:291-317, 1972 (Fre)
ADENOSINE TRIPHOSPHATE, metabolism/ AMINATION/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ CARDIOVASCULAR SYSTEM, drug effects/ CATECHOLAMINES, metabolism/ DOPA, pharmacodynamics/ DOPAMINE, metabolism/ DRUG INTERACTIONS/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ ETHYLAMINES, pharmacodynamics/ FEMALE/

HYDROCHLORIC ACID/ IN VITRO/ MALE/ MEMORY, drug effects/ METHYLATION/ MICE/ *MORPHOLINES, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ *PYRIDAZINES, pharmacodynamics/ RABBITS/ RATS/ SEROTONIN, metabolism/ SLEEP, drug effects

2061. **LaBrosse EH, Cowley RA:** Tissue levels of catecholamines in patients with different types of trauma. J Trauma 13:61-4, Jan 73
*ADRENAL MEDULLA, metabolism/ ADULT/ BURNS, metabolism/ *EPINEPHRINE, metabolism/ EPINEPHRINE, secretion/ FEMALE/ FRACTURES, metabolism/ *GANGLIA, AUTONOMIC, metabolism/ HEAD INJURIES, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, secretion/ *WOUNDS AND INJURIES, metabolism/ WOUNDS AND INJURIES, physiopathology

2062. **Lacanilao F:** The urophysial hydrosmotic factor of fishes. I. Characteristics and similarity to neurohypophysial hormones.
Gen Comp Endocrinol 19:405-12, Dec 72
ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BLADDER, metabolism/ BLOOD/ BUFO MARINUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FISHES, physiology/ HUMAN/ IN VITRO/ *NEUROSECRETORY SYSTEMS, secretion/ OSMOSIS/ PERMEABILITY/ THIOGLYCOLATES, pharmacodynamics/ TIME FACTORS/ TRYPSIN, pharmacodynamics/ WATER, metabolism/ *WATER-ELECTROLYTE BALANCE

2063. **Lacanilao F:** The urophysial hydrosmotic factor of fishes. II. Chromatographic and pharmacologic indications of similarity to arginine vasotocin.
Gen Comp Endocrinol 19:413-20, Dec 72
ANIMAL EXPERIMENTS/ ARGININE/ BLADDER, metabolism/ BUFO MARINUS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ FISHES/ GEL FILTRATION/ MAGNESIUM, pharmacodynamics/ *NEUROSECRETORY SYSTEMS, secretion/ RATS/ UTERUS, metabolism/ VASOPRESSIN, isolation & purification/ VASOTOCIN, isolation & purification/ *VASOTOCIN, pharmacodynamics

2064. **Lafaye A:** Effets précoces d'un traitement progestatif sur l'activité électrique et la contractilité du myomètre de la ratte gestante après hiovariectomie.
J Physiol (Paris) 65:Suppl:252A, Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ *CASTRATION/ FEMALE/ *OVARY/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTATIONAL HORMONES, pharmacodynamics/ RATS/ *UTERUS, drug effects/ UTERUS, physiology

2065. **Lafont R:** Les ptérines des Pieridae (Lepidoptera) et leur biosynthèse. II. Synthèse et transport de l'isoxanthoptérine au cours de la vie nymphale et adulte chez Pieris brassicae.
Biochimie 54:73-81, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *DIPTERA, metabolism/ ENGLISH ABSTRACT/ EYE, metabolism/ FEMALE/ HEMOLYMPH, metabolism/ LARVA, metabolism/ MALE/ OVARY, metabolism/ PTERIDINES, metabolism/ PTERINS, biosynthesis/ *PTERINS, metabolism/ PUPA/ PURINES, metabolism/ SEX FACTORS/ TIME FACTORS/ WING, metabolism/ *XANTHOPTERIN, metabolism

2066. **Lagadec JC, Bohec M, Le Gouguec C, et al:** A propos de deux tumeurs thécales de l'ovaire.
Rev Fr Gynecol Obstet 67:533-6, Oct 72 **(Fre)**
AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTERECTOMY/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ PROGNOSIS/ *THECA CELL TUMOR/ THECA CELL TUMOR, pathology

2067. **Lagerspetz KY:** Diurnal variation in the effects of alcohol and in the brain 5-hydroxytryptamine metabolism in mice.
Acta Pharmacol Toxicol (Kbh) 31:509-20, 1972
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, metabolism/ *CIRCADIAN RHYTHM, drug effects/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ MOTOR ACTIVITY, drug effects/ *SEROTONIN, metabolism

2068. **Lajos L, Nagy P, Illei G, et al:** Az actinomycin D (D) és a placentotropin (PCTH) antagonismusának vizsgálata kasztrált patkányok utcrusán.
Orv Hetil 114:672-3, 25 Mar 73 **(Hun)**
ANIMAL EXPERIMENTS/ *CASTRATION/ *DACTINOMYCIN, pharmacodynamics/ DRUG ANTAGONISM/ FEMALE/ *PLACENTAL HORMONES, pharmacodynamics/ RATS/ *UTERUS, drug effects

2069. **Lake RS, Salzman NP:** Occurrence and properties of a chromatin-associated FI-histone phosphokinase in mitotic Chinese hamster cells.
Biochemistry 11:4817-26, 5 Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CARBON ISOTOPES/ CELL LINE/ *CHROMATIN, enzymology/ CLONE CELLS/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ HAMSTERS/ HISTONES/ HISTONES, biosynthesis/ ISOTOPE LABELING/ LYSINE, metabolism/ MAGNESIUM/ MITOSIS/ MITOSIS, drug effects/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/ PROTEIN KINASE/ SUBCELLULAR FRACTIONS, enzymology/ TIME FACTORS/ TRITIUM/ UREA/ VINBLASTINE, pharmacodynamics

2070. **Lakomaa E, Kihlström JE:** An adenohypophysial extract influencing the output of semen in rabbits, guinea-pigs and mice. J Reprod Fertil 31:469-72, Dec 72
ANIMAL EXPERIMENTS/ CATTLE/ GUINEA PIGS/ MALE/ MICE/ *PITUITARY GLAND/ RABBITS/ *SEMEN, drug effects/ SPERMATOZOA/ STATISTICS/ *TISSUE EXTRACTS, pharmacodynamics

2071. **Lamberg BA:** Kilpirauhasen immuunisairaudet.
Duodecim 89:182-91, 1973 **(Fin)**
ADOLESCENCE/ ADULT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, immunology/ MALE/ MIDDLE AGE/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, immunology/ THYROIDITIS, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

2072. **Lambiase JT Jr, Amann RP:** Infertility of rabbit testicular spermatozoa collected in their native fluid environment. Fertil Steril 24:65-7, Jan 73
ANIMAL EXPERIMENTS/ *FERTILITY/ INSEMINATION, ARTIFICIAL/ MALE/ RABBITS/ *SEMEN/ *SPERMATOZOA, physiology/ *TESTIS, secretion

2073. **Lambiotte M, Vorbrodt A, Benedetti EL:** Apparition de canalicules biliares dans le foie foetal de rat en culture cellulaire sous l'influence de glucocorticoïdes.
C R Acad Sci [D] (Paris) 275:2539-42, 27 Nov 72 **(Fre)**
ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *BILE DUCTS, INTRAHEPATIC, embryology/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ *HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, embryology/ LIVER, enzymology/ MICROSCOPY,

ELECTRON/ MORPHOGENESIS/ RATS/ SUCCINATES/ TIME FACTORS

2074. **Lamond DR, Hill JR Jr, Godley WC, et al:** Influence of nutrition on ovulation and fertilization in the Rambouillet ewe. J Anim Sci 36:363-7, Feb 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ DIET/ ESTRUS/ FEMALE/ *FERTILIZATION/ GRAIN/ GRASSES/ *OVULATION/ OVUM, transplantation/ PROGESTERONE, blood/ *SHEEP, physiology/ SOY BEANS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

2075. **Land RB:** Is mammalian fertility sex limited? J Reprod Fertil 31:512-3, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ *FERTILITY/ GENES/ MALE/ MICE/ OVULATION/ *SELECTION (GENETICS)/ *SEX FACTORS/ TESTIS, anatomy & histology

2076. **Landgraf WC, Jennings EC:** Steroid determination from complex mixtures by high pressure chromatographic techniques.
J Pharm Sci 62:278-81, Feb 73
*ADRENAL CORTEX HORMONES/ AMPLIFIERS/ *CHROMATOGRAPHY, instrumentation/ FLUOCINOLONE ACETONIDE, analysis/ METHODS/ OINTMENTS, analysis/ PLACEBOS/ PRESSURE/ SILICA/ SOLUBILITY/ TIME FACTORS/ ULTRAVIOLET RAYS

2077. **Landolt AM:** Die Ultrastruktur des Kraniopharyngeoms.
Schweiz Arch Neurol Neurochir Psychiatr 111:313-29, 1972 (Ger)
ADOLESCENCE/ ADULT/ BASEMENT MEMBRANE/ CALCINOSIS/ CELL DIFFERENTIATION/ CELL NUCLEUS/ CEREBRAL VENTRICLE NEOPLASMS, pathology/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN/ CONNECTIVE TISSUE CELLS/ *CRANIOPHARYNGIOMA, pathology/ DESMOSOMES/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ GOLGI APPARATUS/ HUMAN/ HYDROXYAPATITE/ KERATIN/ MICROSCOPY, ELECTRON/ NEUROGLIA/ *PITUITARY NEOPLASMS, pathology

2078. **Langdon DE, Harlan JR, Bailey RL:** Thrombophlebitis with diazepam used intravenously.
JAMA 223:184-5, 8 Jan 73
ADULT/ CLINICAL RESEARCH/ *DIAZEPAM, adverse effects/ *ENDOSCOPY/ ESOPHAGOSCOPY/ FEMALE/ FOLLOW-UP STUDIES/ GASTROSCOPY/ HEPARIN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ *PREMEDICATION, adverse effects/ SODIUM CHLORIDE, therapeutic use/ *THROMBOPHLEBITIS, chemically induced/ THROMBOPHLEBITIS, drug therapy

2079. **Lange AP, Secher NJ:** Prostaglandin F 2 induceret fødsel ved foetus mortuus.
Ugeskr Laeger 135:358-60, 12 Feb 73 (Dan)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DEATH/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use

2080. **Lange WE de, Visser JW, Doorenbos H:** Hormonal influences on the concentration of tyrosine in blood.
Clin Chim Acta 42:21-7, Nov 72
ACROMEGALY, blood/ ADOLESCENCE/ ANDROGENS, pharmacodynamics/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIABETES MELLITUS, JUVENILE, blood/ EPINEPHRINE, pharmacodynamics/ FASTING/ FEMALE/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ *HORMONES, pharmacodynamics/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOGLYCEMIA, blood/ HYPOTHYROIDISM, blood/ INSULIN, pharmacodynamics/ MALE/ PREGNANCY/ SEX FACTORS/ *TYROSINE, blood

2081. **Langer P, Ponec J, Cvečková L, et al:** Studies of the effect of adrenals on thyroid hormone release following its acute depletion by isovolemic exchange transfusion. Endokrinologie 60:238-46, 1972
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ EXCHANGE TRANSFUSION/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ MALE/ RATS/ RATS, INBRED STRAINS/ THYROIDECTOMY/ THYROXINE, blood/ *THYROXINE, secretion

2082. **Langford GA, Heller CG:** Fine structure of muscle cells of the human testicular capsule: basis of testicular contractions. Science 179:573-5, 9 Feb 73
ADULT/ BIOPSY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, cytology/ *TESTIS, cytology

2083. **Lantz JP, Sutter MT, Tardieu JC:** Composition du sébum humain. Etude préliminaire des acides gras totaux par chromatographie en phase gazeuse chez des sujets du sexe féminin acnéiques et normaux, avant et après prise d'aestro-progestatifs de synthèse.
Ann Dermatol Syphiligr (Paris) 99:277-80, 1972 (Fre)
*ACNE, drug therapy/ ACNE, metabolism/ CHROMATOGRAPHY, GAS/ *ESTROGENS, therapeutic use/ *FATTY ACIDS, analysis/ FEMALE/ HUMAN/ *PROGESTERONE, therapeutic use/ *SEBUM, analysis

2084. **Laplane D, Castaigne A:** Traitement de la myastbénie.
Rev Prat 22:1983-92, 21 Apr 72 (Fre)
ANTIBIOTICS, adverse effects/ CHOLINESTERASE INHIBITORS, therapeutic use/ CORTICOTROPIN, therapeutic use/ MYASTHENIA GRAVIS, therapy/ PROGNOSIS/ SPECIAL LIST FOREIGN/ SULFONAMIDES, adverse effects/ THYMECTOMY/ THYROIDECTOMY, adverse effects/ TRANQUILIZING AGENTS, adverse effects

2085. **Laporte P, Gillet J:** Sialoprotein secretion in immature rat testis: possible relation with supporting cells.
J Reprod Fertil 31:509-10, Dec 72
ANIMAL EXPERIMENTS/ *GLYCOPROTEINS, secretion/ MALE/ NEURAMINIC ACIDS, secretion/ RATS/ SPERMATOGENESIS/ TESTIS, cytology/ *TESTIS, secretion

2086. **Laroche C, Caquet R, Remy JM:** Erythroleucémie aiguë aprés traitement d'une exophtalmie maligne par le chlorambucil. Nouv Presse Med 1:3133, 23 Dec 72 (Fre)
ACUTE DISEASE/ AGED/ CASE REPORT/ *CHLORAMBUCIL, adverse effects/ CHLORAMBUCIL, therapeutic use/ *ERYTHROLEUKEMIA, chemically induced/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ SPINAL PUNCTURE

2087. **Laroche C, Caquet R, Patri B:** Progrès en médecine interne. Rev Prat 22:Suppl:29-32, 25 Nov 72 (Fre)
ADRENAL GLAND HYPERFUNCTION/ *ANTIGENS, NEOPLASM, analysis/ *ASTHMA, drug therapy/ CORTICOTROPIN, blood/ DISODIUM CROMOGLYCATE, therapeutic use/ FETAL GLOBULINS, analysis/ HORMONES, secretion/ *INTERNAL MEDICINE/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, microbiology/ NEOPLASMS, metabolism/ PARATHYROID HORMONE, secretion/ *PEPTIDES, secretion/ TETRAZOLIUM SALTS, diagnostic use

2088. **Larsen EH:** Characteristics of aldosterone stimulated transport in isolated skin of the toad, Bufo bufo (L.).
J Steroid Biochem 3:111-20, Feb 72
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BUFO BUFO/ CHLORIDES, metabolism/ ELECTROPHYSIOLOGY/ IN VITRO/ MATHEMATICS/ MEMBRANE POTENTIALS, drug effects/ METHODS/ SKIN, drug effects/ *SKIN, metabolism/ SKIN, physiology/ SKIN

ABSORPTION, drug effects/ SODIUM, metabolism/ TIME FACTORS

2089. **Larsen JF, Pedersen PH, Sorensen B:** Prostaglandin F 2 som vefremkaldende middel I andet og tredje trimester.
Ugeskr Laeger 135:354-8, 12 Feb 73 (Dan)
ADULT/ ANENCEPHALUS/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use

2090. **Larue CG, Le Magnen J:** The olfactory control of meal pattern in rats. Physiol Behav 9:817-21, Nov-Dec 72
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *APPETITE REGULATION/ CIRCADIAN RHYTHM/ EATING/ *FEEDING BEHAVIOR/ FEMALE/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ OLFACTORY BULB, physiology/ RATS/ SATIATION/ *SMELL/ STEREOTAXIC TECHNICS

2091. **Larvor P, Rayssiguier Y:** Hypomagnesaemia following theophylline or furosemide injection in ewes: renal versus extrarenal effect.
J Physiol (Lond) 227:365-75, Dec 72
ANIMAL EXPERIMENTS/ DIURESIS/ FEMALE/ FUROSEMIDE, administration & dosage/ *FUROSEMIDE, toxicity/ INJECTIONS, INTRAVENOUS/ *KIDNEY, drug effects/ *MAGNESIUM, blood/ MAGNESIUM, urine/ MAGNESIUM DEFICIENCY/ SHEEP/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ THEOPHYLLINE, administration & dosage/ *THEOPHYLLINE, toxicity/ THYROCALCITONIN, secretion/ THYROID GLAND, secretion/ THYROIDECTOMY

2092. **Lascar G:** Les cellules placentaires humaines maintenues en culture. Etudes cytologique, cytochimique et activité hormonale.
J Gynecol Obstet Biol Reprod (Paris) 1:509-26, Sep 72 (Fre)
*CELLS, CULTURED/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GONADOTROPINS, CHORIONIC, biosynthesis/ HISTOCYTOCHEMISTRY/ HUMAN/ METHODS/ ORGAN CULTURE/ *PLACENTA, cytology/ PLACENTA, enzymology/ PLACENTA, metabolism/ PLACENTA, physiology

2093. **Lascelles PT, Lewis PD:** Hypodipsia and hypernatraemia associated with hypothalamic and suprasellar lesions. Brain 95:249-64, 1972
ADOLESCENCE/ ADULT/ BLOOD UREA NITROGEN/ *BRAIN NEOPLASMS, complications/ CHLORIDES, blood/ CRANIOPHARYNGIOMA, complications/ DIABETES INSIPIDUS, etiology/ DISGERMINOMA, complications/ *DRINKING BEHAVIOR/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYPERNATREMIA, etiology/ *HYPOTHALAMUS/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ PROTEIN-BOUND IODINE TEST/ *SELLA TURCICA/ SODIUM, blood/ THIRST/ TRIIODOTHYRONINE, blood/ VASOPRESSIN, secretion/ WATER-ELECTROLYTE BALANCE

2094. **László J, Gaál M:** Identification of fluorescent Barr bodies in paraffin-embedded embryonic tissues.
Lancet I:488, 3 Mar 73
*EMBRYO/ FEMALE/ FLUORESCENCE/ GESTATIONAL AGE/ HISTOLOGICAL TECHNICS/ HUMAN/ METHODS/ PARAFFIN/ PREGNANCY/ *SEX CHROMATIN, analysis/ SEX FACTORS

2095. **Lathrop KA, Harper PV:** Biologic behavior of 99m Tc from 99m Tc-pertechnetate ion.
Prog Nucl Med 1:145-62, 1972 (49 ref.)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CHOROID PLEXUS, metabolism/ DUODENUM, metabolism/ FECES, metabolism/ FEMALE/ GASTRIC JUICE, metabolism/ GASTRIC MUCOSA, metabolism/ HUMAN/ INJECTIONS, INTRAVENOUS/ INTESTINAL MUCOSA, metabolism/ KIDNEY, metabolism/ MICE/ PREGNANCY/ PROTEIN BINDING/ *RADIOISOTOPE SCANNING/ REVIEW/ SALIVA, metabolism/ SALIVARY GLANDS, metabolism/ TECHNETIUM, administration & dosage/ TECHNETIUM, blood/ TECHNETIUM, cerebrospinal fluid/ *TECHNETIUM, metabolism/ TECHNETIUM, urine/ THYROID GLAND, metabolism/ UTERUS, metabolism

2096. **Latos DL, Valentine AM:** Treatment of hypercalcemia with furosemide and corticosteroids.
W Va Med J 69:52-4, Mar 73
FEMALE/ *FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *PREDNISONE, therapeutic use

2097. **Laube H:** Die Störung der Insulinsekretion.
Dtsch Med J 23:584-8, Oct 72 (Ger)
ADENOMA, enzymology/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ *DIABETES MELLITUS, enzymology/ ENDOCRINE DISEASES, enzymology/ FEMALE/ HUMAN/ *INSULIN, secretion/ *OBESITY, enzymology/ PANCREATIC NEOPLASMS, enzymology/ PREGNANCY/ SYMPATHOLYTICS, adverse effects/ SYMPATHOLYTICS, therapeutic use

2098. **Laur S:** Das Wachstum der Haare unter einer kombinierten Antiandrogen-Oestrogen-Medikation bei weiblichen Probanden.
Arch Dermatol Forsch 244:515-23, 1972 (Ger)
*ANDROGENS, antagonists & inhibitors/ CYPROTERONE, pharmacodynamics/ CYPROTERONE, therapeutic use/ CYSTINE, metabolism/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HAIR, drug effects/ *HAIR, growth & development/ HAIR, metabolism/ HIRSUTISM, drug therapy/ HUMAN/ MENSTRUATION/ *PREGNADIENES, pharmacodynamics/ SULFUR ISOTOPES

2099. **Laurent B, Coignet J:** Cystathioninurie: trouble possible de régulation enzymatique.
Clin Chim Acta 43:171-82, 24 Jan 73 (Fre)
ADMINISTRATION, ORAL/ AMINO ACID METABOLISM, INBORN ERRORS, drug therapy/ AMINO ACID METABOLISM, INBORN ERRORS, enzymology/ *AMINO ACID METABOLISM, INBORN ERRORS, urine/ CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CYSTATHIONINE/ *CYSTATHIONINE, urine/ CYSTEINE, urine/ ELECTROPHORESIS, PAPER/ ENGLISH ABSTRACT/ FEMALE/ HOMOCYSTEINE, urine/ HOMOCYSTINE, urine/ HOMOSERINE/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYDRO-LYASES, metabolism/ LIVER, enzymology/ LYASES, metabolism/ METHIONINE, administration & dosage/ METHIONINE, therapeutic use/ METHIONINE, urine/ PYRIDOXINE, therapeutic use/ SULFUR, urine

2100. **Laurian L, Oberman Z, Harel A, et al:** Changes in serum cortisol, glucose and free fatty acid levels during tolbutamide-induced hypoglycemia in obese women.
Isr J Med Sci 8:1817-22, Nov 72
ADOLESCENCE/ ADULT/ *BLOOD SUGAR, analysis/ BODY WEIGHT/ CLINICAL RESEARCH/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOGLYCEMIA, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ METHODS/ *OBESITY, blood,

SOMATOTROPIN, blood/ TIME FACTORS/ *TOLBUTAMIDE, diagnostic use

2101. **Lauweryns JM, Cokelaere M, Theunynck P:** Neuro-epithelial bodies in the respiratory mucosa of various mammals. A light optical, histochemical and ultrastructural investigation.
Z Zellforsch Mikrosk Anat 135:569-92, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARNIVORA/ CATS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ FETUS, cytology/ FLUORESCENCE/ GOLGI APPARATUS/ HEDGEHOGS/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT/ *LUNG, cytology/ LUNG, embryology/ *MAMMALS, anatomy & histology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MONKEYS/ MUCOUS MEMBRANE, cytology/ NERVE ENDINGS, cytology/ RABBITS/ RECEPTORS, NEURAL, cytology/ SEROTONIN/ SWINE/ SYNAPSES, cytology

2102. **Lawrence DA, Spiegelberg HL, Weigle WO:** 2,4-Dinitrophenyl receptors on mouse thymus and spleen cells. J Exp Med 137:470-82, 1 Feb 73
ANIMAL EXPERIMENTS/ *ANTIGENS/ AUTORADIOGRAPHY/ BINDING SITES/ CORTISONE, pharmacodynamics/ *DINITROPHENOLS/ GAMMA GLOBULIN/ IMMUNE SERUMS/ *T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED CBA/ OVALBUMIN/ SERUM ALBUMIN, BOVINE/ *SPLEEN, immunology

2103. **Laycock MV:** The amino acid sequence of cytochrome c-553 from the Chrysophycean alga Monochrysis lutheri. Can J Biochem 50:1311-25, Dec 72
*ALGAE, analysis/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ASPARAGINE, analysis/ ASPARTIC ACID, analysis/ AUTOANALYSIS/ BACTERIA, analysis/ CHYMOTRYPSIN/ CYSTEINE, analysis/ *CYTOCHROME C, analysis/ DANSYL COMPOUNDS/ ELECTRON TRANSPORT/ GLYCINE, analysis/ HORSES/ HYDROLYSIS/ MITOCHONDRIA, MUSCLE, analysis/ PEPSIN/ PEPTIDES, analysis/ PHOTOSYNTHESIS/ SPECIES SPECIFICITY/ THIOCYANATES/ TIME FACTORS/ TRYPSIN

2104. **Leach RE, Baskies A:** Alcoholism and its effect on the human hip. Clin Orthop 90:95-9, Jan-Feb 73
ADULT/ *ALCOHOLISM, complications/ FEMALE/ FEMORAL FRACTURES, etiology/ FEMUR HEAD, injuries/ FEMUR HEAD, pathology/ *FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, pathology/ FEMUR HEAD NECROSIS, radiography/ FRACTURES, SPONTANEOUS, etiology/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, chemically induced

2105. **Leaf A, Macknight AD:** The site of the aldosterone induced stimulation of sodium transport.
J Steroid Biochem 3:237-45, Feb 72
ADENOSINE TRIPHOSPHATASE, metabolism/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BINDING SITES, drug effects/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, enzymology/ BLADDER, metabolism/ BUFO MARINUS/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ EPITHELIAL CELLS, metabolism/ IN VITRO/ MODELS, BIOLOGICAL/ *SODIUM, metabolism/ SODIUM ISOTOPES/ TIME FACTORS/ TRITIUM

2106. **Leavitt WW, Basom CR, Bagwell JN, et al:** Structure and function of the hamster corpus luteum during the estrous cycle. Am J Anat 136:235-49, Feb 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ *CORPUS LUTEUM/ CORPUS LUTEUM, analysis/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, physiology/ CORPUS LUTEUM, secretion/ ENDOPLASMIC RETICULUM, secretion/ *ESTRUS/ FEMALE/ *HAMSTERS, physiology/ MICROSCOPY, ELECTRON/ PROGESTERONE, biosynthesis/ PROGESTERONE, blood

2107. **Le Bourgeois JP, Delobel J:** Epanchement chyleux au cours d'un réticulosarcome.
Nouv Presse Med 2:110, 13 Jan 73 (Fre)
*ABDOMINAL NEOPLASMS, complications/ ABDOMINAL NEOPLASMS, drug therapy/ ABDOMINAL NEOPLASMS, radiotherapy/ CHYLOTHORAX, drug therapy/ *CHYLOTHORAX, etiology/ CHYLOTHORAX, radiotherapy/ HUMAN/ HYDRAZINES, administration & dosage/ INGUINAL CANAL/ LUMBOSACRAL REGION/ LYMPHATIC METASTASIS/ MALE/ MECHLORETHAMINE, administration & dosage/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, drug therapy/ SARCOMA, RETICULUM CELL, radiotherapy/ VINCRISTINE, administration & dosage

2108. **Lederman Y, Szpigielman R, Bendcovsky M, et al:** Catalytic hydrogenations of several 18-oxygenated 3-keto- 4 -steroids. Anal Biochem 51:193-203, Jan 73
ALDOSTERONE/ CATALYSIS/ CHARCOAL/ *CHEMISTRY, ORGANIC/ CHROMATOGRAPHY, THIN LAYER/ HYDROGENATION/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, chem synthesis/ KETOSTEROIDS/ KETOSTEROIDS, chem synthesis/ LACTONES/ LACTONES, chem synthesis/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ PALLADIUM/ *PREGNANES/ PREGNANES, chem synthesis

2109. **Lee AE:** Cell division and DNA synthesis in the mouse uterus during continuous oestrogen treatment.
J Endocrinol 55:507-13, Dec 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CIRCADIAN RHYTHM/ *DNA, biosynthesis/ EPITHELIUM, drug effects/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, administration & dosage/ ESTRONE, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MICE/ *MITOSIS, drug effects/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism

2110. **Lee AE, Dukelow WR:** Synthesis of DNA and mitosis in rabbit uteri after oestrogen and progesterone injections, and during early pregnancy.
J Reprod Fertil 31:473-6, Dec 72
ANIMAL EXPERIMENTS/ *DNA, biosynthesis/ EPITHELIUM, drug effects/ EPITHELIUM, metabolism/ *ESTROGENS, pharmacodynamics/ FEMALE/ *MITOSIS, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, pharmacodynamics/ RABBITS/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ *UTERUS, drug effects/ UTERUS, metabolism/ UTERUS, physiology

2111. **Lee SL:** Childhood abdominal masses.
J Singapore Paediatr Soc 14:107-14, Oct 72
*ABDOMINAL NEOPLASMS, occurrence/ *ADRENAL GLAND NEOPLASMS, occurrence/ *BILIARY TRACT DISEASES, occurrence/ CHILD/ HUMAN/ *KIDNEY DISEASES, occurrence/ *KIDNEY NEOPLASMS, occurrence/ *LIVER DISEASES, occurrence/ *LIVER NEOPLASMS, occurrence/ *OVARIAN CYSTS, occurrence/ SINGAPORE

2112. **Lee YS, Yang HF, Chen FW:** [Clinical study of Graves' disease]
J Formosan Med Assoc 71:598-602, 28 Sep 72 (Chi)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MALE/ MIDDLE AGE

2113. **Lefer AM, Barenholz Y:** Pancreatic hydrolases and the formation of a myocardial depressant factor in shock.

Am J Physiol 223:1103-9, Nov 72
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ CELIAC ARTERY/ CHYMOTRYPSIN, metabolism/ ENZYME ACTIVATION, drug effects/ FEMALE/ *HYDROLASES, blood/ KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ LIGATION/ LYSOSOMES, enzymology/ MALE/ MESENTERIC ARTERIES/ METHYLPREDNISOLONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ *MYOCARDIAL DEPRESSANTS, blood/ *PANCREAS, enzymology/ PANCREAS, secretion/ PHOSPHOLIPASE, metabolism/ *SHOCK, blood/ TRYPSIN, metabolism

2114. **Legates JE:** The role of maternal effects in animal breeding. IV. Maternal effects in laboratory species.
J Anim Sci 35:1294-302, Dec 72 (26 ref.)
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *ANIMALS, LABORATORY, growth & development/ BIRTH WEIGHT/ BODY WEIGHT/ *BREEDING/ CYTOPLASM/ ENVIRONMENTAL EXPOSURE/ FEMALE/ GENETICS/ GENOTYPE/ INBREEDING/ LACTATION/ MATERNAL BEHAVIOR/ MATERNAL-FETAL EXCHANGE/ MICE/ PHENOTYPE/ PREGNANCY/ RABBITS/ RATS/ REVIEW

2115. **Leger L, Godeau P, Delaitre B, et al:** Kystes et pseudo-kystes surrénaliens.
J Chir (Paris) 104:107-20, Sep 72 (Fre)
ABDOMINAL INJURIES, complications/ *ADRENAL GLAND DISEASES/ ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND DISEASES, surgery/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ *CYSTS/ CYSTS, diagnosis/ CYSTS, pathology/ CYSTS, radiography/ CYSTS, surgery/ ENGLISH ABSTRACT/ FEMALE/ *HEMANGIOMA, diagnosis/ HEMANGIOMA, pathology/ HEMANGIOMA, surgery/ HEMATOMA, diagnosis/ HEMORRHAGE, complications/ HEMORRHAGE, diagnosis/ HUMAN/ HYPERTENSION, etiology/ MIDDLE AGE/ NECROSIS

2116. **Leger L, Moullé P, Delaitre B:** Noxythioline intra-péritonéale dans les péritonites généralisées.
Chirurgie 98:539-42, 14 Jun 72 (Fre)
ACUTE DISEASE/ ADULT/ AGED/ ALCOHOL, METHYL, administration & dosage/ ALCOHOL, METHYL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ MALE/ MIDDLE AGE/ *PERITONITIS, drug therapy/ *THIOUREA, administration & dosage/ THIOUREA, therapeutic use

2117. **Legrele C, Sutter BC:** Glycémie et insulinémie du rat mâle castré, a jeun et sous surcharge glucidique.
J Physiol (Paris) 65:Suppl:257A-258, Oct 72 (Fre)
ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *CASTRATION/ *FASTING/ GLUCOSE TOLERANCE TEST/ GONADOTROPINS, metabolism/ *INSULIN, blood/ MALE/ RATS/ SEX FACTORS/ TESTIS/ TIME FACTORS

2118. **Legros R, Fain-Giono J:** Endométriose para-ménopausique et post-ménopausique. A propos de 20 cas sur 351 d'endométriose.
Rev Fr Gynecol Obstet 68:25-33, Jan 73 (Fre)
AGED/ ENDOMETRIAL HYPERPLASIA, complications/ *ENDOMETRIOSIS/ ENDOMETRIOSIS, complications/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ FEMALE/ HUMAN/ *MENOPAUSE/ METRORRHAGIA, etiology/ MIDDLE AGE/ UTERINE NEOPLASMS, complications

2119. **Lehmann PA, Bolivar A, Quintero R:** Russell E. Marker. Pioneer of the Mexican steroid industry.
J Chem Educ 50:195-9, Mar 73
*DRUG INDUSTRY, history/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ MEXICO/ STEROIDS, history/ UNITED STATES

2120. **Lehnert S:** The effect of cyclic AMP on the production of single-strand breaks in DNA of x-irradiated E. coli B-r.
Int J Radiat Biol 23:11-21, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ DNA, BACTERIAL/ *DNA, BACTERIAL, radiation effects/ DNA, SINGLE STRANDED/ EDTA, pharmacodynamics/ ESCHERICHIA COLI, drug effects/ *ESCHERICHIA COLI, radiation effects/ *RADIATION GENETICS

2121. **Lehoux JG, Fazekas AG, Leblanc H, et al:** Pteridins and steroid hydroxylation-(I). I.-The effect of folic acid and aminopterine on the steroid 11beta- and 21-hydroxylation by domestic duck (Anas platyrhynchos) adrenocortical tissue preparations.
J Steroid Biochem 3:773-9, Sep 72
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ AMINOPTERIN, administration & dosage/ *AMINOPTERIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYTOCHROME P-450, metabolism/ DEPRESSION, CHEMICAL/ DESOXYCORTICOSTERONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUCKS/ FOLIC ACID, administration & dosage/ *FOLIC ACID, pharmacodynamics/ IN VITRO/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PROGESTERONE, metabolism/ STEROID HYDROXYLASES, antagonists & inhibitors/ *STEROID HYDROXYLASES, metabolism/ STIMULATION, CHEMICAL

2122. **Lehrer GM, Maker HS, Weissbarth S:** Brain uptake of cortisol and cortisone from the CSF and systemic sites.
Neurology (Minneap) 23:63-8, Jan 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CARBON ISOTOPES/ CATS/ CEREBELLAR CORTEX, metabolism/ CEREBRAL CORTEX, metabolism/ CORTISONE, administration & dosage/ CORTISONE, blood/ CORTISONE, cerebrospinal fluid/ *CORTISONE, metabolism/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, blood/ HYDROCORTISONE, cerebrospinal fluid/ *HYDROCORTISONE, metabolism/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRATHECAL/ INJECTIONS, INTRAVENOUS/ MACACA/ MONKEYS/ PONS, metabolism/ SPINAL CORD, metabolism/ THALAMUS, metabolism/ TRITIUM

2123. **Leiber B, Olbrich G:** Mammo-renales Syndrom.
Monatsschr Kinderheilkd 121:40-2, Jan 73 (Ger)
ABNORMALITIES, MULTIPLE, diagnosis/ *BREAST, abnormalities/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *KIDNEY, abnormalities/ PECTORALIS MUSCLES, abnormalities/ SYNDACTYLIA, diagnosis/ SYNDROME/ TURNER'S SYNDROME, diagnosis

2124. **Leicht E, Strunz J, Seebach HB von, et al:** Akute Vitamin-A-Intoxikation mit hämolytischer Anämie, Hyperkalzämie und toxischer Hepatose.
Med Klin 68:54-9, 12 Jan 73 (Ger)
ADULT/ ALOPECIA, chemically induced/ *ANEMIA, HEMOLYTIC, ACQUIRED, chemically induced/ BONE MARROW EXAMINATION/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, chemically induced/ *HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, pathology/ HUMAN/ *HYPERCALCEMIA, chemically induced/ JAUNDICE, chemically induced/ LIVER, pathology/ MICROSCOPY, ELECTRON/ PSORIASIS, drug therapy/ VITAMIN A, administration & dosage/ *VITAMIN A, adverse effects/ VITAMIN A, blood/ VITAMIN A, therapeutic use/ VOMITING, chemically induced

2125. **Leichter J:** Effect of dietary lactose on intestinal lactase activity in young rats. J Nutr 103:392-6, Mar 73
AGING/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ DIETARY CARBOHYDRATES/ FEMALE/ *GALACTOSIDASE, metabolism/ GLUCOSIDASE, metabolism/ JEJUNUM, drug effects/ *JEJUNUM, enzymology/ LACTATION/ LACTOSE, administration & dosage/ *LACTOSE, pharmacodynamics/ LACTOSE, physiology/ PREGNANCY/ RATS/ SUCRASE, metabolism/ WEANING

2126. **Leinzinger E:** Empfängnisverhütung und Familienplanung, ein aktuelles Anliegen der prophylaktischen Medizin. (Auch einige kritische Gedanken zur Kontrazeption, Abtreibung und Geburtenregelung.
Geburtshilfe Frauenheilkd 33:28-36, Jan 73 (Ger)
ABORTION/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL, adverse effects/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ JURISPRUDENCE/ PREGNANCY/ PREVENTIVE MEDICINE

2127. **(Leĭtes SM):** Pamiati S.M. Leĭtesa.
Probl Endokrinol (Mosk) 18:120, Jul-Aug 72 (Rus)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ USSR

2128. **Leiik F:** Analyse der häufigsten landwirtschaftlichen Arbeiten aus der Sicht der funktionellen Anatomie.
Z Gesamte Hyg 18:707-13, Sep 72 (Ger)
*AGRICULTURE/ BIOMECHANICS/ *BONE AND BONES, anatomy & histology/ HUMAN/ OCCUPATIONS/ *REHABILITATION, VOCATIONAL

2129. **Le Magnen J, Tallon S:** Différence des effets sur la prise alimentaire de l'insuline normale administrée de nuit ou de jour chez le rat.
J Physiol (Paris) 65:Suppl:261A, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ FATTY ACIDS, NONESTERIFIED, metabolism/ *FEEDING BEHAVIOR/ HYPOTHALAMUS, physiology/ INJECTIONS, SUBCUTANEOUS/ *INSULIN, pharmacodynamics/ INSULIN, secretion/ INSULIN, PROTAMINE ZINC, pharmacodynamics/ LIPIDS, metabolism/ RATS

2130. **LeMaire WJ, Spellacy WN, Shevach AB, et al:** Changes in plasma estriol and progesterone during labor induced with prostaglandin F2alpha or oxytocin.
Prostaglandins 2:93-101, Aug 72
ADULT/ CLINICAL RESEARCH/ ESTRIOL, blood/ FEMALE/ HUMAN/ LABOR, INDUCED/ OXYTOCIN/ OXYTOCIN, administration & dosage/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

2131. **Lemarchand-Béraud T:** Nouveaux procédés d'exploration thyroïdienne.
Praxis 62:3-5, 3 Jan 73 (Fre)
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS

2132. **Lemmer B, Wiethold G, Hellenbrecht D, et al:** Human blood platelets as cellular models for investigation of membrane active drugs: beta-adrenergic blocking agents.
Naunyn Schmiedebergs Arch Pharmacol 275:299-313, 1972
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ALPRENOLOL, pharmacodynamics/ AMINO ALCOHOLS, pharmacodynamics/ BIOLOGICAL TRANSPORT/ *BLOOD PLATELETS, metabolism/ CARBON ISOTOPES/ *CELL MEMBRANE PERMEABILITY, drug effects/ HUMAN/ KINETICS/ MICROSCOPY, ELECTRON/ MODELS, BIOLOGICAL/ OXPRENOLOL, pharmacodynamics/ PINDOLOL, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism/ SOTALOL, pharmacodynamics/ TRITIUM

2133. **Lemoine AM, Olivereau M:** Variations de la teneur en acide N-acétyl-neuraminique de l'intestin de l'anguille après hypophysectomie et traitement avec la prolactine.
C R Soc Biol (Paris) 166:507-12, 1972 (Fre)
ACETYLATION/ ANIMAL EXPERIMENTS/ *EELS/ *HYPOPHYSECTOMY/ *INTESTINES, analysis/ INTESTINES, drug effects/ INTESTINES, metabolism/ MALE/ MUCUS, secretion/ *NEURAMINIC ACIDS, analysis/ NEURAMINIC ACIDS, metabolism/ *PROLACTIN, pharmacodynamics/ SHEEP/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE, drug effects

2134. **Lemon HM:** Oestriol and prevention of breast cancer.
Lancet 1:546-7, 10 Mar 73
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ *BREAST NEOPLASMS, prevention & control/ BREAST NEOPLASMS, urine/ ESTRIOL, physiology/ *ESTRIOL, therapeutic use/ ESTRIOL, urine/ FEMALE/ HUMAN/ HYDROXYLATION/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, prevention & control/ PROCARBAZINE/ RATS

2135. **Lemon M, Saumande J:** Oestradiol-17 and progesterone after induction of superovulation by PMSG in cattle.
J Reprod Fertil 31:501-2, Dec 72
ANIMAL EXPERIMENTS/ CATTLE/ CORPUS LUTEUM, drug effects/ *ESTRADIOL, blood/ ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *OVULATION, drug effects/ *PROGESTERONE, blood

2136. **Lena A, Coignet J, Orfanos J, et al:** Phéochromocytome bilatéral successif associé à une maladie de Von Hippel Lindau.
Nouv Presse Med 2:81-6, 13 Jan 73 (Fre)
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ *ANGIOMATOSIS, complications/ ANGIOMATOSIS, diagnosis/ AORTOGRAPHY/ CHILD/ ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ *EYE NEOPLASMS, complications/ FUNDUS OCULI/ HUMAN/ HYPERTENSION, diagnosis/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ NEOPLASMS, MULTIPLE PRIMARY, pathology/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, pathology/ PROGNOSIS

2137. **Lengle E, Geyer RP:** Strain L fibroblast lipases. Purification and properties.
Biochim Biophys Acta 296:411-25, 14 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FATTY ACIDS, metabolism/ GEL FILTRATION/ HEPARIN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *L CELLS, enzymology/ L CELLS, metabolism/ LIPASE, antagonists & inhibitors/ *LIPASE, isolation & purification/ LIPIDS, metabolism/ MICE/ OLEIC ACID/ PHOSPHATES/ PHYSOSTIGMINE/ SODIUM/ SODIUM CHLORIDE/ TAUROCHOLIC ACID/ TRIGLYCERIDES/ TRIOLEIN/ ULTRACENTRIFUGATION/ VIBRATION

2138. **Lenhard RE Jr:** Eastern cooperative oncology group studies. Arch Intern Med 131:418-20, Mar 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD CELL COUNT/ CARMUSTINE, administration & dosage/ CARMUSTINE, therapeutic use/ CYCLOPHOSPHAMIDE, administration & dosage/

CYCLOPHOSPHAMIDE, therapeutic use/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HUMAN/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ REMISSION/ VINBLASTINE, administration & dosage/ VINBLASTINE, therapeutic use

2139. **Lennquist S:** Cold-induced diuresis. A study with special reference to electrolyte excretion, osmolal balance and hormonal changes.
Scand J Urol Nephrol 9:Suppl 9:1-142, 1972
ADULT/ CALCIUM, metabolism/ *COLD/ DEXAMETHASONE, pharmacodynamics/ *DIURESIS/ DIURESIS, drug effects/ ENVIRONMENT, CONTROLLED/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GLOMERULAR FILTRATION RATE/ HOMEOSTASIS/ *HORMONES, physiology/ HUMAN/ KIDNEY TUBULES, physiology/ MAGNESIUM, metabolism/ MALE/ OSMOLAR CONCENTRATION/ PHOSPHATES, metabolism/ SODIUM, metabolism/ STRESS, PSYCHOLOGICAL/ URINATION/ VASOPRESSIN, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE

2140. **Lent CM:** Retzius cells: neuroeffectors controlling mucus release by the leech.
Science 179:693-6, 16 Feb 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GANGLIA, drug effects/ GANGLIA, physiology/ *LEECHES, physiology/ MEMBRANE POTENTIALS/ *MUCUS, secretion/ *NEUROSECRETION/ NEUROSECRETION, drug effects/ SEROTONIN, pharmacodynamics

2141. **Leo S, Rorat E, Parekh M:** Primary malignant melanoma in a dermoid cyst of the ovary.
Obstet Gynecol 41:205-10, Feb 73
AGED/ *DERMOID CYST, pathology/ DERMOID CYST, surgery/ FEMALE/ HUMAN/ MELANIN, analysis/ MELANOMA, diagnosis/ *MELANOMA, pathology/ MELANOMA, surgery/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ STAINS AND STAINING

2142. **Leon M, Numan M, Moltz H:** Maternal behavior in the rat: facilitation through gonadectomy.
Science 179:1018-9, 9 Mar 73
ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ *BEHAVIOR, ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ CASTRATION/ ESTROGENS, antagonists & inhibitors/ ESTROGENS, pharmacodynamics/ *ESTROGENS, physiology/ ETHYLAMINES, pharmacodynamics/ FEMALE/ MALE/ *MATERNAL BEHAVIOR/ MATERNAL BEHAVIOR, drug effects/ PHENOLS, pharmacodynamics/ RATS/ REACTION TIME/ REACTION TIME, drug effects/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2143. **Leonardi RG, Inchiosa MA Jr:** Purification and substrate specificity of uterine catecholamine oxidase. Biochem Pharmacol 21:2804-11, 15 Oct 72
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADRENOCHROME, biosynthesis/ ANIMAL EXPERIMENTS/ CATECHOLAMINES/ CATTLE/ EPINEPHRINE, metabolism/ FEMALE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ ISOELECTRIC FOCUSING/ ISOMERASES, analysis/ MUSCLE, SMOOTH, enzymology/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, analysis/ OXIDOREDUCTASES, isolation & purification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *UTERUS, enzymology

2144. **Leonhardi G:** Endokirnologische Grundlagen der Pigmentveränderungen durch Kontrazeptiva.
Arch Dermatol Forsch 244:495-9, 1972 (Ger)
ANIMAL EXPERIMENTS/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ FROGS/ HUMAN/ HYDROCORTISONE, metabolism/ MELANIN, biosynthesis/ MELANOCYTES, drug effects/ MELATONIN/ MSH, metabolism/ PIGMENTATION, drug effects/ *PIGMENTATION DISORDERS, chemically induced/ PREGNANCY

2145. **Lepkovsky S:** Newer concepts in the regulation of food intake. Am J Clin Nutr 26:271-84, Mar 73 (78 ref.)
ADIPOSE TISSUE, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ APPETITE/ AUROTHIOGLUCOSE, pharmacodynamics/ BODY WEIGHT/ CASTRATION/ CENTRAL NERVOUS SYSTEM, physiology/ *DIET/ FOOD HABITS/ FOOD PREFERENCES/ GASTRECTOMY/ *HOMEOSTASIS/ HUMAN/ HUNGER/ HYPOTHALAMUS, physiology/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, physiology/ INTESTINES, physiology/ LIPIDS, metabolism/ NUTRITION/ REVIEW/ SPECIES SPECIFICITY/ STOMACH, physiology/ TASTE/ THIRST

2146. **Lequesne M:** La nécrose de la tête fémorale avec chondrolyse rapide.
Acta Orthop Belg 38:516-25, Oct 72 (Fre)
AGED/ *CARTILAGE DISEASES, etiology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FEMORAL FRACTURES, etiology/ *FEMUR HEAD NECROSIS, complications/ FEMUR HEAD NECROSIS, diagnosis/ FRACTURES, SPONTANEOUS, etiology/ HIP JOINT/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, diagnosis/ OSTEOPOROSIS etiology

2147. **Lereboullet J, Rosa A, Olivier Martin R:** Approch pharmacologique et biologique des migraines.
Rev Prat 22:1901-6, 21 Apr 72 (Fre)
CATECHOLAMINES, secretion/ HYPERALDOSTERONISM, complications/ METABOLIC DISEASES, complications/ MIGRAINE, etiology/ MIGRAINE, metabolism/ MIGRAINE, physiopathology/ NOREPINEPHRINE, metabolism/ PROSTAGLANDINS, adverse effects/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SEROTONIN, secretion/ SODIUM, metabolism/ SPECIAL LIST FOREIGN/ TYRAMINE, adverse effects/ TYRAMINE, metabolism/ WATER-ELECTROLYTE BALANCE

2148. **Lerkh EE:** Znachenie opredelenila svobodnogo tiroxin v syvorotke krovi pri zabolevaniiakh shchitovidno zheiezy.
Probl Endokrinol (Mosk) 18:30-2, Nov-Dec 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ GOITER, blood/ GOITER, NODULAR, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *THYROID DISEASES, blood/ *TYROSINE, blood

2149. **Lerman S:** Prolonged release medication in the treatment of eye disease.
Isr J Med Sci 8:1403-5, Aug-Sep 72
AGED/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, physiology/ COMPARATIVE STUDY/ DELAYED-ACTION PREPARATIONS/ FEMALE/ *GLAUCOMA, drug therapy/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ INTRAOCULAR PRESSURE/ *KERATITIS, drug therapy/ MALE/ OPHTHALMIC SOLUTIONS/ *PILOCARPINE, administration & dosage/ PILOCARPINE, therapeutic use/ PLACEBOS/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ PUPIL/ RABBITS

2150. **Lernmark A:** Specificity of leucine stimulation o

insulin release. Hormones 3:14-21, 1972
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCOSE, pharmacodynamics/ HYPERGLYCEMIA, physiopatbology/ IN VITRO/ INSULIN, analysis/ *INSULIN, secretion/ INSULIN ANTIBODIES, analysis/ IODINE ISOTOPES/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ ISOLEUCINE, pharmacodynamics/ LEUCINE, administration & dosage/ LEUCINE, analysis/ *LEUCINE, pharmacodynamics/ MICE/ OBESITY, physiopathology/ RADIOIMMUNOASSAY/ RECEPTORS, HORMONE, drug effects

2151. Le Roith D, Pimstone BL: Bone densitometry of tbe femoral midshaft in tbe protein-deprived rat. S Afr Med J 47:72-4, 13 Jan 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CALCIUM PHOSPHATES, analysis/ DENSITOMETRY, X-RAY/ FEMUR, analysis/ *FEMUR, radiography/ PROTEIN DEFICIENCY, metabolism/ *PROTEIN DEFICIENCY, radiography/ RATS

2152. Leslie DC, Laufe LE: The evaluation of intra-amniotic prostaglandin F 2 in tbe management of early midtrimester pregnancy termination. J Reprod Med 9:453-5, Dec 72
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *UTERUS, drug effects

2153. Levchenko MN: Transmembrannyi rozpodil elektrolitiv u kori holovnoho mozku statevonezrilykh sbcburiv pry nedostatnosti nadnyrkovykh zaloz. Fiziol Zh 19:80-5, 1973 (Ukr)
*ADRENALECTOMY/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CEREBRAL CORTEX, metabolism/ ENGLISH ABSTRACT/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism

2154. Levdikova GA, Orekhovich VN: On a collagenase-like enzyme detected in the extracts of bypothalamus and bypophysis. Clin Chim Acta 42:205-8, Nov 72
ANIMAL EXPERIMENTS/ CASEIN/ CATTLE/ *CLOSTRIDIOPEPTIDASE A/ CLOSTRIDIOPEPTIDASE A, isolation & purification/ COLLAGEN/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *HYPOTHALAMUS, enzymology/ MOLECULAR WEIGHT/ OLIGOPEPTIDES/ *PEPTIDE PEPTIDOHYDROLASES/ PEPTIDE PEPTIDOHYDROLASES, isolation & purification/ *PITUITARY GLAND, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP

2155. Levet E, Gharib C: Etude de la sécrétion de l'"hormone antidiurétique post-hypopbysaire dans le syndrome alloxanique. Therapie 27:955-64, Sep-Oct 72 (Fre)
ALLOXAN DIABETES, blood/ *ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ MALE/ METHODS/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, secretion/ RATS/ VASOPRESSIN, blood/ VASOPRESSIN, metabolism/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, secretion

2156. Levi J, Massry SG, Kleeman CR: The requirement of cortisol for the inhibitory effect of norepinephrine on tbe antidiuretic action of vasopressin. Proc Soc Exp Biol Med 142:687-90, Feb 73
ADRENALECTOMY/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CREATININE, metabolism/ DIURESIS, drug effects/ DOGS/ DRUG SYNERGISM/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ METABOLIC CLEARANCE RATE/ *NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ URINE/ *VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics/ WATER, metabolism

2157. Levier RR, Jankowiak ME: The hormonal and antifertility activity of 2,6-cis dipbenylbexametbylcyclotetrasiloxane in tbe female rat. Biol Reprod 7:260-6, Oct 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CASTRATION/ COMPARATIVE STUDY/ CONTRACEPTIVES, POSTCOITAL, administration & dosage/ DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ *FERTILITY, drug effects/ NIDATION, drug effects/ ORGAN WEIGHT/ OVARY/ OVUM, drug effects/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ *SILICONES, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects

2158. Levin A, Sberman JO: The undescended testis. Surg Gynecol Obstet 136:473-9, Mar 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM/ CRYPTORCHISM, complications/ CRYPTORCHISM, diagnosis/ CRYPTORCHISM, drug tberapy/ CRYPTORCHISM, etiology/ CRYPTORCHISM, occurrence/ CRYPTORCHISM, surgery/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PITUITARY DISEASES, complications/ PROGNOSIS/ PUBERTY/ SPERMATIC CORD TORSION, etiology/ SPERMATOGENESIS/ STERILITY, MALE, etiology/ TESTICULAR NEOPLASMS, occurrence/ TESTIS, abnormalities/ TESTIS, pathology

2159. Levin ML, Simon NM, Herdson PB, et al: Acute renal failure followed by protracted, slowly resolving cbronic uremia. J Cbronic Dis 25:645-51, Nov 72
ACIDOSIS, etiology/ ADULT/ BIOPSY/ BLOOD UREA NITROGEN/ CHRONIC DISEASE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPOTENSION, ORTHOSTATIC, etiology/ KIDNEY, pathology/ *KIDNEY FAILURE, ACUTE, complications/ KIDNEY FAILURE, ACUTE, patbology/ MALE/ PERIPHERAL NERVE DISEASES, etiology/ PSEUDOMONAS INFECTIONS, etiology/ TIME FACTORS/ *UREMIA, etiology/ URINARY TRACT INFECTIONS, etiology

2160. Levine JH, Nicholson WE, Liddle GW, et al: Stimulation of adrenal ornithine decarboxylase by adrenocorticotropin and growtb bormone. Endocrinology 92:1089-95, Apr 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *CARBOXY-LYASES, metabolism/ CORTICOSTERONE, blood/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DRUG SYNERGISM/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ ORNITHINE/ PITUITARY GLAND, physiology/ RATS/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

2161. Levinson W, Faras A, Woodson B, et al: Inhibition of RNA-dependent DNA polymerase of Rous sarcoma virus by thiosemicarbazones and several cations. Proc Natl Acad Sci USA 70:164-8, Jan 73
ANIMAL EXPERIMENTS/ CADMIUM, pharmacodynamics/ CELLS, CULTURED/

CHELATING AGENTS, pharmacodynamics/ CHICK EMBRYO/ COBALT, pharmacodynamics/ COPPER, pharmacodynamics/ DNA, metabolism/ DRUG SYNERGISM/ EDTA, pharmacodynamics/ INDOLES, pharmacodynamics/ MERCAPTOETHANOL, pharmacodynamics/ MERCURY, pharmacodynamics/ NICKEL, pharmacodynamics/ *REVERSE TRANSCRIPTASE, antagonists & inhibitors/ REVERSE TRANSCRIPTASE, metabolism/ RNA, VIRAL, metabolism/ *ROUS SARCOMA VIRUS, enzymology/ ROUS SARCOMA VIRUS, growth & development/ SILVER, pharmacodynamics/ TEMPLATES/ *THIOSEMICARBAZONES, pharmacodynamics/ THIOUREA, pharmacodynamics/ ZINC, pharmacodynamics

2162. **Levy LJ, Duga J, Girgis M, et al:** Ketoacidosis associated with alcoholism in nondiabetic subjects.
Ann Intern Med 78:213-9, Feb 73
ACETOACETATES, blood/ ACIDOSIS, blood/ ACIDOSIS, drug therapy/ *ACIDOSIS, etiology/ AGED/ ALCOHOLISM, blood/ *ALCOHOLISM, complications/ BICARBONATES, therapeutic use/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE, administration & dosage/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYBUTYRATES, blood/ INFUSIONS, PARENTERAL/ INSULIN, blood/ LACTATES, blood/ MALE/ MIDDLE AGE/ SODIUM CHLORIDE, administration & dosage/ STARVATION/ VOMITING, etiology

2163. **Lew GM, Quay WB:** Circadian rhythms in catecholamines in organs of the golden hamster.
Am J Physiol 224:503-8, Mar 73
ACCLIMATIZATION/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *CIRCADIAN RHYTHM/ COLD/ *EPINEPHRINE, metabolism/ FEMALE/ FLUOROMETRY/ *HAMSTERS, metabolism/ HIBERNATION/ IN VITRO/ MALE/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ *SPLEEN, metabolism/ TIME FACTORS

2164. **Lewin PK:** Phenytoin-associated congenital defects with Y-chromosome variant.
Lancet 1:559, 10 Mar 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ ABNORMALITIES, MULTIPLE, chemically induced/ ADULT/ *CHROMOSOME ABERRATIONS/ *DIPHENYLHYDANTOIN, adverse effects/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *SEX CHROMOSOMES

2165. **Lhermitte F, Marteau R, Degos CF:** Analyse pharmacologique d'un nouveau cas de myoclonies d'intention et d'action post-anoxiques.
Rev Neurol (Paris) 126:107-14, Feb 72 (Fre)
ADULT/ *ANESTHESIA, GENERAL, adverse effects/ *ANOXIA, complications/ BUTYROPHENONES, pharmacodynamics/ CASE REPORT/ CATECHOLAMINES, metabolism/ COMA, complications/ *DOPA, pharmacodynamics/ ENDOSCOPY, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IPRONIAZID, pharmacodynamics/ METHOTRIMEPRAZINE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ *MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ MYOCLONUS, drug therapy/ *MYOCLONUS, etiology/ NOREPINEPHRINE, antagonists & inhibitors/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ SYNAPSES, drug effects

2166. **Libby P, Maroko PR, Bloor CM, et al:** Reduction of experimental myocardial infarct size by corticosteroid administration.
J Clin Invest 52:599-607, Mar 73
ANIMAL EXPERIMENTS/ CREATINE KINASE, metabolism/ DOGS/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART VENTRICLE/ *HYDROCORTISONE, therapeutic use/ MALE/ *MYOCARDIAL INFARCT, drug therapy/ MYOCARDIAL INFARCT, pathology/ MYOCARDIUM, enzymology/ MYOCARDIUM, pathology/ NECROSIS, drug therapy/ TIME FACTORS

2167. **Lichardus B, Ponec J:** Neurohypophyseal origin of a humoral factor restoring volume natriuresis in acutely hypophysectomized rats.
Experientia 28:1443-4, 15 Dec 72
ANIMAL EXPERIMENTS/ GLOMERULAR FILTRATION RATE/ HYPOPHYSECTOMY/ MALE/ *NATRIURESIS/ *PITUITARY GLAND, POSTERIOR, physiology/ RATS/ URINATION/ *WATER-ELECTROLYTE BALANCE

2168. **Lichodziejewski K:** Operacja wodniaka jądra sposobem Lorda.
Pol Przegl Chir 45:63-5, Jan 73 (Pol)
ENGLISH ABSTRACT/ HUMAN/ *HYDROCELE, surgery/ MALE/ METHODS/ *TESTICULAR NEOPLASMS, surgery

2169. **Licht P, Papkoff H:** Evidence for an intrinsic gonadotropic activity of ovine LH in the lizard.
Gen Comp Endocrinol 20:172-6, Feb 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ DEPRESSION, CHEMICAL/ FSH/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ LH, isolation & purification/ *LH, pharmacodynamics/ *LIZARDS/ MALE/ NEURAMINIDASE, pharmacodynamics/ SHEEP/ SPERMATOGENESIS, drug effects/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ TESTIS, growth & development

2170. **Lichtenstein LM, Henney CS, Bourne HR, et al:** Effects of cholera toxin on in vitro models of immediate and delayed hypersensitivity. Further evidence for the role of cyclic adenosine 3',5'-monophosphate.
J Clin Invest 52:691-7, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANTITOXINS, pharmacodynamics/ CHOLERA/ CHROMIUM ISOTOPES/ DOGS/ *ENTEROTOXINS, pharmacodynamics/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ HYPERSENSITIVITY, DELAYED/ HYPERSENSITIVITY, IMMEDIATE/ IMMUNE SERUMS, pharmacodynamics/ LEUKOCYTES, drug effects/ TIME FACTORS

2171. **Liddle GW, Carey RM, Douglas JG:** Role of the adrenal cortex in hypertension.
South Med J 66:51-4, Jan 73
ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADRENAL GLAND HYPERFUNCTION, physiopathology/ *ADRENAL GLANDS, physiopathology/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ HUMAN/ HYPERALDOSTERONISM, physiopathology/ *HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ *MINERALOCORTICOIDS, secretion/ RENIN, secretion/ SPIRONOLACTONE, therapeutic use

2172. **Lie TS, Briant R, Müller G, et al:** Induktion der Unresponsiveness durch Gabe von Prednisolon und Spenderantigene bei allogene und zenogenen Hauttransplantationen.
Wien Klin Wochenschr 85:55-9, 26 Jan 73 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *GRAFT REJECTION, drug effects/ GRAFT VS HOST REACTION, drug effects/ *HISTOCOMPATIBILITY ANTIGENS/ *IMMUNE TOLERANCE/ *PREDNISOLONE, pharmacodynamics/ RABBITS/ RATS/ *SKIN, transplantation/ TIME FACTORS/ TISSUE DONORS/ *TRANSPLANTATION, HETEROLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

2173. **Lieberherr M, Vreven J, Vaes G:** The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. I. Characterization and assay.
Biochim Biophys Acta 293:160-9, 12 Jan 73
*ACID PHOSPHATASE/ ACID PHOSPHATASE, antagonists & inhibitors/ *ALKALINE

PHOSPHATASE/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BONE AND BONES, cytology/ *BONE AND BONES, enzymology/ CELL-FREE SYSTEM/ DRUG STABILITY/ ENZYME ACTIVATION/ HYDROGEN-ION CONCENTRATION/ OSMOLAR CONCENTRATION/ *PHOSPHATASES/ PHOSPHATASES, antagonists & inhibitors/ PHOSPHOPROTEINS/ *PYROPHOSPHATASES/ PYROPHOSPHATASES, antagonists & inhibitors/ RATS/ SKULL, enzymology/ TIME FACTORS

2174. **Lieblich JM, Utiger RD:** Triiodothyronine in cord serum. J Pediatr 82:290-2, Feb 73
FEMALE/ HUMAN/ INFANT, NEWBORN/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *UMBILICAL CORD

2175. **Liese W, Jung K, Böhme G, et al:** Uber Funktionskriterien von Innenmembranfraktionen aus Rattenlebermitochondrien. I. Digitoninpartikel. Acta Biol Med Ger 29:355-68, 1972 (Ger)
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CALCIUM, metabolism/ CYTOCHROME C, pharmacodynamics/ *DIGITALIS GLYCOSIDES, pharmacodynamics/ DIGITONIN, pharmacodynamics/ ELECTRON TRANSPORT, drug effects/ ENGLISH ABSTRACT/ GLUTAMATES, metabolism/ MEMBRANES, metabolism/ *MITOCHONDRIA, LIVER, metabolism/ NUCLEOTIDES, metabolism/ OLIGOMYCIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ RATS/ SUCCINATES, metabolism/ UBIQUINONE, pharmacodynamics

2176. **Lièvre JA:** La névralgie cervico-brachiale paralysante. Rev Rhum Mal Osteoartic 39:665-70, Nov 72 (Fre)
ADULT/ AGED/ ARM/ *CERVICO-BRACHIAL NEURALGIA, complications/ CERVICO-BRACHIAL NEURALGIA, diagnosis/ CERVICO-BRACHIAL NEURALGIA, therapy/ CORTISONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ELECTROTHERAPY/ ENGLISH ABSTRACT/ FEMALE/ HAND/ HUMAN/ MALE/ MEDIAN NERVE/ MIDDLE AGE/ MUSCULAR ATROPHY, etiology/ *PARALYSIS, etiology/ SHOULDER

2177. **Lievremont M, Pascaud M:** Réponse calcique et sensibilité cholinergique à la jonction neuromusculaire.
J Physiol (Paris) 65:Suppl:264A, Oct 72 (Fre)
*ACETYLCHOLINE, pharmacodynamics/ ACETYLCHOLINESTERASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL MEMBRANE, physiology/ CHOLINESTERASE, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HISTOCYTOCHEMISTRY/ IN VITRO/ ISOENZYMES/ MICE/ NEURAL TRANSMISSION/ NEUROMUSCULAR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, metabolism/ *NEUROMUSCULAR JUNCTION, physiology/ RECEPTORS, DRUG/ TUBOCURARINE, pharmacodynamics

2178. **Lifschitz MD, Schrier RW, Edelman IS:** Effect of actinomycin D on aldosterone-mediated changes in electrolyte excretion. Am J Physiol 224:376-80, Feb 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *DACTINOMYCIN, pharmacodynamics/ DOGS/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *NATRIURESIS, drug effects/ POTASSIUM, urine/ RNA, biosyntbesis

2179. **Light RJ:** Identification and analysis of arachidonic acid in Plexaura bomomalla, var. R and var. S. Biochim Biophys Acta 296:461-6, 8 Mar 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, analysis/ ARACHIDONIC ACID, biosyntbesis/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *COELENTERATA/ ESTERS, analysis/ FATTY ACIDS, analysis/ FATTY ACIDS, isolation & purification/ FATTY ACIDS, metabolism/ ISOMERISM/ LIPIDS, analysis/ METHYL ETHER/ PROSTAGLANDINS, analysis/ SODIUM/ SPECIES SPECIFICITY

2180. **Lightwood AM, Scott GL:** Autoimmune haemolytic anaemia due to red cell antibodies of different specificities in a patient with chronic hepatitis. Vox Sang 24:331-6, Apr 73
*ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANTIBODY SPECIFICITY/ AUTOANTIBODIES/ AUTOIMMUNE DISEASES/ BLOOD GROUPS/ BLOOD PRESERVATION/ CHRONIC DISEASE/ ERYTHROCYTES, immunology/ FEMALE/ HEMAGGLUTINATION TESTS/ HEPATITIS, complications/ HEPATITIS, drug therapy/ *HEPATITIS, immunology/ HUMAN/ IGM/ LIVER FUNCTION TESTS/ MIDDLE AGE/ PREDNISONE, therapeutic use

2181. **Lilly F, Duran-Reynals ML:** Combined neoplastic effects of vaccinia virus and 3-methylcholanthrene. II. Genetic factors. J Natl Cancer Inst 48:105-12, Jan 72
ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ *EXTRACHROMOSOMAL INHERITANCE/ FEMALE/ GENES/ HISTOCOMPATIBILITY/ HYBRIDIZATION/ IMMUNOSUPPRESSIVE AGENTS/ LEUKEMIA, EXPERIMENTAL, familial & genetic/ LINKAGE (GENETICS)/ *METHYLCHOLANTHRENE/ MICE/ MICE, INBRED AKR/ MICE, INBRED BALB C/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, etiology/ *NEOPLASMS, EXPERIMENTAL, familial & genetic/ ONCOGENIC VIRUSES/ SKIN NEOPLASMS, chemically induced/ SKIN NEOPLASMS, etiology/ *SKIN NEOPLASMS, familial & genetic/ *VACCINIA VIRUS

2182. **Lima-De-Faria A, Jaworska H, Gustafsson T:** Release of amplified ribosomal DNA from the chromomeres of Acheta. Proc Natl Acad Sci USA 70:80-3, Jan 73
ANIMAL EXPERIMENTS/ *CHROMOSOMES, metabolism/ COMPUTERS, DIGITAL/ DNA, analysis/ *DNA, metabolism/ *GENES, STRUCTURAL/ INSECTS/ KARYOTYPING/ MEIOSIS/ MICROSCOPY, ELECTRON, SCANNING/ MODELS, STRUCTURAL/ OVARY, cytology/ OVARY, metabolism/ *RNA, RIBOSOMAL, biosynthesis/ STAINS AND STAINING/ TRITIUM/ URIDINE, metabolism

2183. **Limburg H:** Podophyllinderivate in der Chemotherapie maliner Tumoren.
Planta Med 22:348-57, Nov 72 (Ger)
*ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ CARCINOMA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC NEOPLASMS, therapy/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ *PODOPHYLLIN, therapeutic use/ SARCOMA, drug therapy/ UTERINE NEOPLASMS, drug therapy

2184. **Limon J, Bell B, Lajborek-Czyż I:** Identyfikacja ciałka Y w komórkach galarety Whartona.
Pol Tyg Lek 28:7-9, 1 Jan 73 (Pol)
ENGLISH ABSTRACT/ FLUORESCENCE/ HUMAN/ INFANT, NEWBORN/ MALE/ METHODS/ QUINACRINE/ *SEX CHROMOSOMES/ *UMBILICAL CORD, cytology

2185. **Lin CC, Johnston DH, Ramsden RO:** Polymorphism and quinacrine fluorescence karyotypes of red foxes (Vulpes vulpes). Can J Genet Cytol 14:573-80, Sep 72
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ CHROMOSOMES/ FEMALE/ *FOXES/ *KARYOTYPING/ MALE/ MICROSCOPY, FLUORESCENCE/

*POLYMORPHISM (GENETICS)/ QUINACRINE/ SEX CHROMOSOMES

2186. **Lin DC, Kun E:** Mode of action of tbe antibiotic X-537A on mitochondrial glutamate oxidation.
Biochem Biopbys Res Commun 50:820-5, 5 Feb 73
ADENOSINE DIPHOSPHATE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATE, biosyntbesis/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ CALCIUM, metabolism/ DINITROPHENOLS, antagonists & inhibitors/ *GLUTAMATES, metabolism/ IN VITRO/ KINETICS/ MAGNESIUM, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXIDATION-REDUCTION/ PHOSPHORUS ISOTOPES/ RATS/ TETRACYCLINE, antagonists & inhibitors

2187. **Lin SJ:** [Tbe diagnostic value of selective venography in adrenal diseases]
Nippon Acta Radiol 32:286-98, Jul 72 (Jap)
ADOLESCENCE/ *ADRENAL GLAND DISEASES, radiography/ ADRENAL GLANDS, blood supply/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PHLEBOGRAPHY

2188. **Linck G, Petrovic A:** Essais d'identification, au moyen de précurseurs radioactifs, d'un composé de type stéroïde syntbétisé et excrété par la graisse brune de hamster d'Europe (Cricetus cricetus.
J Physiol (Paris) 65:Suppl 1:139A+, 1972 (Fre)
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ *BROWN FAT, metabolism/ BROWN FAT, secretion/ CARBON ISOTOPES/ CHROMATOGRAPHY/ HAMSTERS/ ORGAN CULTURE/ STEROIDS, analysis/ *STEROIDS, biosyntbesis/ STEROIDS, secretion/ TISSUE CULTURE

2189. **Lincoln FH, Schneider WP, Pike JE:** Prostanoic acid chemistry. II. Hydrogenation studies and preparation of 11-deoxyprostaglandins.
J Org Chem 38:951-6, 9 Mar 73
CYCLIZATION/ *HYDROGEN/ HYDROGENATION/ METHODS/ OXIDATION-REDUCTION/ PROSTAGLANDINS, chem syntbesis

2190. **Lindenbaum RH, Andrews PS, Khan AS:** Two cases of endocardial fibroelastosis--possible x-linked determination. Br Heart J 35:38-40, Jan 73
AUTOPSY/ *ENDOCARDIAL FIBROELASTOSIS, familial & genetic/ GENES, RECESSIVE/ HUMAN/ INFANT/ INFANT, NEWBORN/ LINKAGE (GENETICS)/ MALE/ PEDIGREE/ PROBABILITY/ *SEX CHROMOSOMES

2191. **Lindholm J:** Studies on some parameters of adrenocortical function.
Acta Endocrinol [Suppl] (Kbh) 172:3-155, 1973
*ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, pbysiology/ ADRENAL GLANDS, secretion/ ADULT/ AGED/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, biosynthesis/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, secretion/ HYDROCORTISONE, urine/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ OBESITY, metabolism/ PHOTOMETRY/ SECRETORY RATE/ TETRAZOLIUM SALTS/ TRITIUM

2192. **Lindholm J:** The renal excretion of cortisol.
Scand J Clin Lab Invest 31:115-8, Jan 73
ADULT/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FLUOROMETRY/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ INULIN, diagnostic use/ MALE/ TRITIUM

2193. **Lindholm J, Korsgaard O, Rasmussen P, et al:** Akromegali.
Ugeskr Laeger 135:183-7, 22 Jan 73 (Dan)
*ACROMEGALY, blood/ ACROMEGALY, patbology/ ACROMEGALY, physiopatbology/ ADENOMA, patbology/ ADENOMA, CHROMOPHOBE, pathology/ ADENOMA, EOSINOPHILIC, pathology/ ADULT/ AGED/ BLOOD SUGAR, analysis/ CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ GOITER, EXOPHTHALMIC/ HUMAN/ HYPOPHYSECTOMY/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, patbology/ *SOMATOTROPIN, blood

2194. **Lindholm J, Schultz-Möller N:** Plasma and urinary cortisol in pregnancy and during estrogen-gestagen treatment. Scand J Clin Lab Invest 31:119-22, Jan 73
CIRCADIAN RHYTHM/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ MEDROXYPROGESTERONE, pharmacodynamics/ MEGESTROL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ *PREGNANCY/ PROTEIN BINDING

2195. **Lindholm TS, Hackman R, Lindholm RV, et al:** Fracture callus and mast cells in rats with calcium and vitamin D deficiency. Acta Orthop Scand 43:221-33, 1972
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CALCIUM/ *CALLUS, physiopatbology/ CELL COUNT/ DEFICIENCY DISEASES, physiopatbology/ FLUORESCENCE/ *FRACTURES, physiopathology/ MALE/ *MAST CELLS, physiopathology/ MICRORADIOGRAPHY/ RATS/ SULFUR ISOTOPES/ TETRACYCLINE/ *VITAMIN D DEFICIENCY, physiopatbology

2196. **Lindström LH:** The effect of pilocarpine and oxotremorine on hormone-activated copulatory behavior in the ovariectomized hamster.
Naunyn Schmiedebergs Arch Pharmacol 275:233-41, 1972
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CASTRATION/ P-CHLOROPHENYLALANINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ HAMSTERS/ LORDOSIS/ MALE/ OVARY, physiology/ *OXOTREMORINE, pharmacodynamics/ *PILOCARPINE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects

2197. **Ling N, Burgus R, Rivier J, et al:** The use of mass spectrometry in deducing tbe sequence of somatostatin--a hypothalamic polypeptide that inhibits the secretion of growth bormone.
Biocbem Biophys Res Commun 50:127-33, 4 Jan 73
ACETYLATION/ *AMINO ACID SEQUENCE/ HYDROLYSIS/ *HYPOTHALAMUS, analysis/ MASS SPECTRUM ANALYSIS/ METHYLATION/ *PEPTIDES, analysis/ PEPTIDES, pharmacodynamics/ SHEEP/ *SOMATOTROPIN, antagonists & inhibitors/ TRYPSIN

2198. **Linkie DM, Niswender GD:** Characterization of rat placental luteotropin. Physiological and pbysicochemical properties.
Biol Reprod 8:48-57, Feb 73
ANIMAL EXPERIMENTS/ CERVIX UTERI, physiology/ CORPUS LUTEUM, drug effects/ DECIDUA, physiology/ FEMALE/ FSH, blood/ FSH, metabolism/ HYPOPHYSECTOMY/ LH, blood/ LH, metabolism/ ORGAN WEIGHT/ PITUITARY GLAND, physiology/ *PLACENTA, metabolism/ PLACENTAL EXTRACTS, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROLACTIN, blood/ PROLACTIN, metabolism/ *PROLACTIN, pharmacodynamics/ PSEUDOPREGNANCY/ RATS/ UTERUS, anatomy & histology/ UTERUS, drug effects

2199. **Linsk JA, Girsh SS, Erber LB:** Massive autoagglutination, hemolysis, and hypergammaglobulinemia triggered by adrenocortical steroids--a case report.
Ohio State Med J 69:43-7, Jan 73
*AGGLUTININS, analysis/ *BLOOD COAGULATION DISORDERS, chemically induced/ *HEMOLYSIS/ HUMAN/ *HYDROCORTISONE, adverse effects/ *HYPERGAMMAGLOBULINEMIA, chemically induced/ *LYMPHATIC DISEASES, chemically induced/ MALE/ MIDDLE AGE

2200. **Lipson A:** Rickets in Melbourne.
Med J Aust 2:1468, 23 Dec 72
AUSTRALIA/ CASE REPORT/ CULTURE/ *ETHNIC GROUPS/ HUMAN/ INFANT/ MALE/ *RICKETS, etiology/ RICKETS, occurrence

2201. **Lisboa BP, Breuer H, Witschi E:** Untersuchungen über den Stoffwechsel von Steroidhormonen bei Vertebraten. IX. Stoffwechsel von (4- 14 C)testosteron in der Leber des afrikanischen Spornfrosches (Xenopus laevis.
Hoppe Seylers Z Physiol Chem 353:1907-14, Dec 72 (Ger)
ANDROSTANES, analysis/ ANDROSTENES, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ KETONES, analysis/ LIVER, analysis/ *LIVER, metabolism/ MALE/ MICROCHEMISTRY/ SEX FACTORS/ SEX REVERSAL, GONADAL/ *TESTOSTERONE, metabolism/ *XENOPUS, metabolism

2202. **Lisboa BP, Plasse JC:** Studies on the metabolism of steroids in the foetus. Metabolism of 4-androstene-3,17-dione by human foetal-liver microsomes. Eur J Biochem 31:378-85, 4 Dec 72
*ANDROSTENES, metabolism/ CELL FRACTIONATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *FETUS/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ ISOCITRATE DEHYDROGENASE, metabolism/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MASS SPECTRUM ANALYSIS/ *MICROSOMES, LIVER, metabolism/ NAD/ NADP/ STEROID HYDROXYLASES, metabolism/ TESTOSTERONE

2203. **Lister D:** Correction of adverse response to suxamethonium of susceptible pigs.
Br Med J 1:208-10, 27 Jan 73
ACIDOSIS, chemically induced/ ACIDOSIS, drug therapy/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ CARBON DIOXIDE, blood/ *FEVER, chemically induced/ FEVER, drug therapy/ HYDROGEN-ION CONCENTRATION/ *SUCCINYLCHOLINE/ SWINE/ THYROXINE, blood/ *TRIIODOTHYRONINE, therapeutic use

2204. **Liston WA, Bradford WP, Downie J, et al:** Laparoscopy in a general gynecologic unit.
Am J Obstet Gynecol 113:672-7, 1 Jul 72
ENDOMETRIOSIS, diagnosis/ FEMALE/ *GYNECOLOGIC DISEASES/ *GYNECOLOGIC NEOPLASMS/ HEMORRHAGE, etiology/ HEPATOMEGALY, etiology/ HUMAN/ *LAPAROSCOPY/ LAPAROSCOPY, adverse effects/ OVARIAN DISEASES, diagnosis/ PAIN/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ STERILITY, FEMALE, etiology/ *STERILIZATION, TUBAL/ UTERINE PROLAPSE, surgery

2205. **Littman KP, Gerdes H:** Testosterontagesrhythmik und HCG-Stimulation bei akuten und chronischen Lebererkrankungen.
Klin Wochenschr 50:1123-6, 15 Dec 72 (Ger)
ADULT/ AGED/ ALCOHOLISM, complications/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ *GONADOTROPINS, CHORIONIC, diagnostic use/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HEMOCHROMATOSIS/ *HEPATITIS/ HUMAN/ LEYDIG CELLS, drug effects/ *LIVER CIRRHOSIS/ LIVER CIRRHOSIS, etiology/ MIDDLE AGE/ *TESTOSTERONE, blood

2206. **Liubimov BI:** Vliianie na oboronitel'ny'i uslovny'i refleks neiroleptikov fenotiazinovogo riada pri vvedenii ikh v gippokamp.
Farmakol Toksikol 35:653-7, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ *CHLORPROMAZINE, pharmacodynamics/ COMPARATIVE STUDY/ *CONDITIONING, CLASSICAL, drug effects/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *ESCAPE REACTION, drug effects/ *FLUPHENAZINE, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ *HYPOTHALAMUS, drug effects/ *PERPHENAZINE, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ *RETICULAR FORMATION, drug effects/ SOUND/ TRIFLUOPERAZINE, pharmacodynamics

2207. **Livingston S, Berman W:** Antiepileptic drugs and development of rickets. J Pediatr 82:347-8, Feb 73
*ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ *EPILEPSY, drug therapy/ HUMAN/ *OSTEOMALACIA, chemically induced/ OSTEOMALACIA, etiology/ *RICKETS, chemically induced/ RICKETS, etiology/ VITAMIN D DEFICIENCY, complications

2208. **Ljungkvist I:** Implantation and attachment reaction of rat uterine luminal epithelium at a high dose of oestradiol. J Endocrinol 55:515-8, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEOLUS/ CYTOPLASM/ EPITHELIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICROSCOPY, ELECTRON/ MITOSIS/ *NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ UTERUS, cytology/ *UTERUS, drug effects

2209. **Ljungkvist I, Terenius L:** Attachment reaction of rat uterine luminal epithelium. V. Suppression of the attachment reaction by some antifertility agents.
Contraception 5:473-88, Jun 72
ACETIC ACIDS, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ CASTRATION/ CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ CYCLOHEXANE, pharmacodynamics/ CYCLOHEXANECARBOXYLIC ACIDS, pharmacodynamics/ DEPRESSION, CHEMICAL/ EPITHELIUM, drug effects/ EPITHELIUM, pathology/ ESTRADIOL, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ ETHYLAMINES, pharmacodynamics/ FEMALE/ INDENES, pharmacodynamics/ METHODS/ MICROSCOPY, ELECTRON/ NAPHTHALENES, pharmacodynamics/ NIDATION, drug effects/ PHENOLS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ STILBENES, pharmacodynamics/ UTERUS, drug effects

2210. **Lloyd BJ:** Rates of adrenal cholesterol formation by the hamster, sheep, guinea pig, and rat from labeled pyruvate, in vitro.
Gen Comp Endocrinol 19:428-31, Dec 72
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHOLESTEROL, biosynthesis/ GUINEA PIGS/ HAMSTERS/ IN VITRO/ *PYRUVATES, metabolism/ RATS/ SHEEP/ SPECIES SPECIFICITY

2211. **Lloyd IJ, Burstyn PG, Horrobin DF, et al:** The hypertensive action of progesterone and its modification by variations in salt intake.
East Afr Med J 49:403-6, Jun 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *HYPERTENSION, chemically induced/ HYPERTENSION, prevention & control/ MALE/ *PROGESTERONE, pharmacodynamics/ RABBITS/ *SODIUM CHLORIDE, pharmacodynamics

2212. Lloyd JW, Thomas JA, Mawhinney MG: 2,4,5 T and the metabolism of testosterone-1,2- 3 H 2 by mouse prostate glands.
Arch Environ Health 26:217-20, Apr 73
*ACETIC ACIDS, pharmacodynamics/ ADMINISTRATION, ORAL/ ANDROSTENEDIONE, biosynthesis/ ANDROSTENES, biosynthesis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FRUCTOSE, analysis/ GENITALIA, MALE, anatomy & histology/ *HERBICIDES, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ *PHENOLS, pharmacodynamics/ PROSTATE, analysis/ PROSTATE, drug effects/ *PROSTATE, metabolism/ *TESTOSTERONE, metabolism/ 2,4,5-TRICHLOROPHENOXYACETIC ACID, administration & dosage/ 2,4,5-TRICHLOROPHENOXYACETIC ACID, pharmacodynamics/ TRITIUM

2213. Lloyd TW: Hypothyroidism in the elderly.
Br Med J 4:489, 25 Nov 72
AGED/ HOSPITALIZATION/ HUMAN/ *HYPOTHYROIDISM, diagnosis

2214. Lo TC, Rayman MK, Sanwal BD: Transport of succinate in Escherichia coli. I. Biochemical and genetic studies of transport in whole cells.
J Biol Chem 247:6323-31, 10 Oct 72
ACETATES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, physiology/ AZIDES, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ CARBON ISOTOPES/ CHROMOSOME MAPPING/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ FUMARATES, pharmacodynamics/ GENETICS, MICROBIAL/ GLUCOSE, pharmacodynamics/ KINETICS/ LACTATES, pharmacodynamics/ MALATES, pharmacodynamics/ MUTATION/ PHOSPHOTRANSFERASES, physiology/ *SUCCINATES, metabolism/ SUCCINATES, pharmacodynamics/ SULFHYDRYL REAGENTS, pharmacodynamics/ TEMPERATURE/ TRANSDUCTION, GENETIC/ TRITIUM

2215. Lobello R, Guerri G: Su un caso di infarto intestinale in corso di terapie con anticoncezionali orali.
Minerva Chir 28:49-52, 15 Jan 73 (Ita)
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ HUMAN/ *INFARCTION, chemically induced/ INFARCTION, pathology/ INFARCTION, surgery/ *INTESTINAL DISEASES, chemically induced/ INTESTINES, pathology/ INTESTINES, surgery

2216. Lockett MF: Actions of adrenal, hypophysial and renal hormones on the renal excretion of water and electrolytes.
Prog Biochem Pharmacol 7:94-145, 1972 (409 ref.)
*ADRENAL CORTEX HORMONES/ ADRENAL MEDULLA/ ADRENALECTOMY/ ALDOSTERONE/ *ANGIOTENSIN/ ANIMAL EXPERIMENTS/ CORTICOTROPIN/ EPINEPHRINE/ GLUCOCORTICOIDS/ HORMONES, pharmacodynamics/ HORMONES, physiology/ HUMAN/ HYPOPHYSECTOMY/ *KIDNEY/ KIDNEY, drug effects/ KIDNEY, metabolism/ KIDNEY, physiology/ MINERALOCORTICOIDS/ NOREPINEPHRINE/ *PITUITARY HORMONES/ RENIN/ REVIEW/ SOMATOTROPIN/ THYROTROPIN/ VASOPRESSIN/ WATER-ELECTROLYTE BALANCE

2217. Loewenstein WR: Membrane junctions in growth and differentiation. Fed Proc 32:60-4, Jan 73 (45 ref.)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CELL DIFFERENTIATION/ CELL MEMBRANE PERMEABILITY/ CELLS, CULTURED/ HAMSTERS/ HEPATOMA, metabolism/ HYBRID CELLS/ HYPOXANTHINES, metabolism/ *INTERCELLULAR JUNCTIONS/ INTERCELLULAR JUNCTIONS, metabolism/ INTERCELLULAR JUNCTIONS, physiology/ MICROSCOPY, ELECTRON/ MUTATION/ RATS/ REVIEW

2218. Loginov AS, Jarceva AM: Einige Ergebnisse immunologischer Untersuchungen bei chronischen Lebererkrankungen.
Dtsch Z Verdau Stoffwechselkr 32:105-8, 1972 (Ger)
AUSTRALIA ANTIGEN, analysis/ CHRONIC DISEASE/ HEPATITIS, drug therapy/ HEPATITIS, immunology/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, analysis/ LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, immunology/ *LIVER DISEASES, immunology/ LYMPHOCYTE TRANSFORMATION, drug effects/ MERCAPTOPURINE, therapeutic use/ PREDNISOLONE, therapeutic use

2219. Lohmann-Matthes ML, Fischer H: Specific cytotoxicity of a mouse thymocyte population sensitized in vitro against H-2 alloantigens. Eur J Immunol 2:290-2, Jun 72
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTILYMPHOCYTE SERUM/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CHROMIUM ISOTOPES/ CORTISONE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *HISTOCOMPATIBILITY ANTIGENS/ *T-LYMPHOCYTES, immunology/ MAST CELLS, immunology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ SPLEEN, cytology

2220. Löhr J: ACTH-induzierter Strukturwandel des Nucleoproteidkomplexes von leberzellkernen junger und alter Ratten.
Gerontologia 18:113-21, 1972 (Ger)
ACETYLATION/ ACRIDINES/ ADENYL CYCLASE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ CYTOLOGICAL TECHNICS/ DNA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ LIVER, cytology/ LIVER, enzymology/ *LIVER, metabolism/ *NUCLEOPROTEINS, metabolism/ RATS/ STAINS AND STAINING

2221. Lohrenz FN: Thyroid cancer and its diagnosis, treatment, and prognosis. Review of the Marshfield clinic experience. Wis Med J 72:97-100, Mar 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

2222. Loken HF, Eastman JW: Calcium measurements in hyperparathyroidism. JAMA 223:188-9, 8 Jan 73
*CALCIUM, blood/ CELL MEMBRANE/ ELECTRODES/ HUMAN/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ IONS/ METHODS

2223. Lombardo G, Buda D: Forme cliniche e terapia delle sindromi piastrinopeniche dell'età pediatrica.
Minerva Pediatr 24:1331-403, 15 Sep 72 (Ita)
ANEMIA, HEMOLYTIC, diagnosis/ CEREBROVASCULAR DISORDERS, diagnosis/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ HUMAN/ INFANT/ ISCHEMIA/ KIDNEY CORTEX NECROSIS, diagnosis/ KIDNEY FAILURE, ACUTE, diagnosis/ PURPURA, THROMBOPENIC, diagnosis/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOTIC THROMBOPENIC, diagnosis/ STREPTOKINASE, therapeutic use/ *THROMBOPENIA/ THROMBOPENIA, classification/

THROMBOPENIA, drug therapy/ THROMBOSIS, diagnosis

2224. Londesborough JC, Nurminen T: A manganese-dependent adenyl cyclase in baker's yeast, Saccharomyces cerevisiae.
Acta Chem Scand 26:3396-8, 1972
*ADENYL CYCLASE, metabolism/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM/ MANGANESE/ *SACCHAROMYCES CEREVISIAE, enzymology

2225. Lonergan C, Babiarz D, Burke G: Isoelectric focusing of long-acting thyroid stimulator immunoglobulin G.
J Clin Endocrinol Metab 36:439-44, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ GEL DIFFUSION TESTS/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ *IGG, analysis/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ *LONG-ACTING THYROID STIMULATOR, analysis/ MICE

2226. Long JA: Corpus luteum of pregnancy in the rat--ultrastructural and cytochemical observations.
Biol Reprod 8:87-99, Feb 73
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, cytology/ CORPUS LUTEUM, enzymology/ CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, physiology/ CYTOPLASMIC GRANULES/ CYTOPLASMIC GRANULES, metabolism/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ LACTATION/ LYSOSOMES/ LYSOSOMES, enzymology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PREGNANCY/ *PREGNANCY, ANIMAL/ PUERPERIUM/ RATS/ RELAXIN, metabolism/ SULFATASES, metabolism/ TIME FACTORS

2227. Long RT: Influence of staging on the selection of therapy for carcinomas of the true pelvis.
South Med J 66:317-20, Mar 73 (20 ref.)
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ BLADDER NEOPLASMS, pathology/ BLADDER NEOPLASMS, radiotherapy/ BLADDER NEOPLASMS, surgery/ CASTRATION/ CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, surgery/ ENDOMETRIUM/ FEMALE/ HUMAN/ MALE/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ PELVIC NEOPLASMS, pathology/ *PELVIC NEOPLASMS, therapy/ RECTAL NEOPLASMS, pathology/ RECTAL NEOPLASMS, surgery/ REVIEW/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, radiotherapy/ UTERINE NEOPLASMS, surgery

2228. Lopatina ZhM: Lechenie brutsellezno vaktsinoi i tireoidinom bol'nykh brutsellezom s ishkodno snizhennoi allergicheskoi reaktivnost'iu.
Klin Med (Mosk) 50:94-6, Sep 72 (Rus)
*ANTIBODY FORMATION/ *BRUCELLA VACCINE, therapeutic use/ BRUCELLOSIS, immunology/ *BRUCELLOSIS, therapy/ ENGLISH ABSTRACT/ HUMAN/ *THYROID HORMONES, therapeutic use

2229. Lorber J: Spina bifida cystica. Results of treatment of 270 consecutive cases with criteria for selection for the future.
Arch Dis Child 47:854-73, Dec 72
ABNORMALITIES, MULTIPLE, complications/ BIRTH INJURIES, complications/ DWARFISM, complications/ FEMALE/ FEMORAL FRACTURES, complications/ HEAD, abnormalities/ HUMAN/ HYDROCEPHALUS, complications/ INFANT, NEWBORN/ LUMBOSACRAL REGION, abnormalities/ MALE/ MENINGOCELE, complications/ MENINGOCELE, mortality/ MENINGOCELE, surgery/ MENINGOCELE, therapy/ PARAPLEGIA, complications/ PROGNOSIS/ SCOLIOSIS, complications/ SPINA BIFIDA, mortality/ SPINA BIFIDA, radiography/ SPINA BIFIDA, surgery/ *SPINA BIFIDA, therapy/ THORAX, abnormalities/ TIME FACTORS

2230. Lorenc R, Beskid M: Assay of C-cell thyroid adenoma of man for calcitonin activity.
Acta Histochem (Jena) 43:1-7, 1972
*ADENOMA, metabolism/ GOITER, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPERTHYROIDISM, metabolism/ THYROCALCITONIN, isolation & purification/ *THYROCALCITONIN, metabolism/ THYROID GLAND, analysis/ *THYROID NEOPLASMS, metabolism

2231. Lorenz MD: Metabolic emergencies.
Vet Clin N Amer 2:331-9, May 72 (6 ref.)
ACIDOSIS, DIABETIC, diagnosis/ ACIDOSIS, DIABETIC, drug therapy/ ACIDOSIS, DIABETIC, physiopathology/ ACIDOSIS, DIABETIC, veterinary/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADRENAL GLAND HYPOFUNCTION, physiopathology/ ADRENAL GLAND HYPOFUNCTION, veterinary/ ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOG DISEASES, diagnosis/ DOG DISEASES, drug therapy/ DOG DISEASES, physiopathology/ DOGS/ *EMERGENCIES/ FEMALE/ HYPOCALCEMIA, diagnosis/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, physiopathology/ HYPOCALCEMIA, veterinary/ HYPOGLYCEMIA, diagnosis/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, physiopathology/ HYPOGLYCEMIA, veterinary/ MALE/ *METABOLIC DISEASES, veterinary/ REVIEW

2232. Lorenz RJ: Effects of differential preweaning social isolation on emotional reactivity and stress tolerance in the rat.
Dev Psychobiol 5:201-13, 1972
ADRENAL GLANDS, anatomy & histology/ *AGGRESSION/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ BRAIN, anatomy & histology/ EXPLORATORY BEHAVIOR/ FOOD DEPRIVATION/ MALE/ MATERNAL DEPRIVATION/ OLFACTORY BULB, anatomy & histology/ ORGAN WEIGHT/ RATS/ *SOCIAL ISOLATION/ STARVATION/ *STRESS/ WEANING

2233. Loriaux DL, Guy R, Lipsett MB: A simple, quick, solid-phase method for radioimmunoassay of plasma estradiol and of plasma cortisol of late pregnancy.
J Clin Endocrinol Metab 36:788-90, Apr 73
*ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ *ANTIBODIES/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM

2234. Lorrain J, Harel P, Gauthier J: Effets de certaines hormones contraceptives sur la coagulation du sang.
Union Med Can 101:2426-31, Nov 72 (Fre)
ADOLESCENCE/ ADULT/ *BLOOD COAGULATION, drug effects/ BLOOD COAGULATION TESTS/ *CONTRACEPTIVES, ORAL, adverse effects/ *DIMETHISTERONE, adverse effects/ *ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ THROMBOSIS, prevention & control/ TIME FACTORS

2235. Losev NA: Neirofiziologicheskii analiz tsentral'nogo deistviia novogo n-kholinolitika preparata IEM-506.
Farmakol Toksikol 35:544-9, Sep-Oct 72 (Rus)
AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLOOD-BRAIN BARRIER/ *BRAIN, drug effects/ BRAIN CHEMISTRY, drug effects/ CAUDATE NUCLEUS, drug effects/ CEREBRAL CORTEX, drug effects/ DIPHENYLACETIC ACIDS, metabolism/ *DIPHENYLACETIC ACIDS, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ ENGLISH

ABSTRACT/ *ETHYLAMINES, pharmacodynamics/ HIPPOCAMPUS, drug effects/ MESENCEPHALON, drug effects/ *NICOTINE, antagonists & inhibitors/ NICOTINE, pharmacodynamics/ RABBITS/ RETICULAR FORMATION, drug effects/ SYMPATHOLYTICS, metabolism/ *SYMPATHOLYTICS, pharmacodynamics

2236. **Lough JW, Entman ML, Bossen EH, et al:** Calcium accumulation by isolated sarcoplasmic reticulum of skeletal muscle during development in tissue culture.
J Cell Physiol 80:431-6, Dec 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL FRACTIONATION/ CELLS, CULTURED/ CHICK EMBRYO/ MICROSOMES, enzymology/ MUSCLES, cytology/ MUSCLES, embryology/ *MUSCLES, growth & development/ OXALATES/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ TISSUE CULTURE

2237. **Loughridge LW:** Drugs and other agents in renal transplantation.
Prog Biochem Pharmacol 7:498-520, 1972 (55 ref.)
ACTINOMYCIN/ *ANTILYMPHOCYTE SERUM/ *ANTINEOPLASTIC AGENTS/ AZASERINE/ AZATHIOPRINE/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, adverse effects/ CYCLOPHOSPHAMIDE/ *GLUCOCORTICOIDS, therapeutic use/ GRAFT REJECTION/ HUMAN/ *KIDNEY, transplantation/ MERCAPTOPURINE/ METHOTREXATE/ RADIOTHERAPY/ REVIEW/ SPLEEN, surgery/ THORACIC DUCT, surgery/ THYMECTOMY/ TRANSPLANTATION, HOMOLOGOUS

2238. **Louis-Schauer H, Mandrino M:** Action des anions anormaux sur la fibre musculaire striée de grenouille, détubulée par choc osmotique.
J Physiol (Paris) 65:Suppl:267A, Oct 72 (Fre)
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BROMINE, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ CHLORINE, metabolism/ FROGS/ IODINE, pharmacodynamics/ *IONS, pharmacodynamics/ MICROELECTRODES/ *MUSCLES, drug effects/ MYOFIBRILS, drug effects/ MYOFIBRILS, physiology/ NITRATES, pharmacodynamics/ OSMOSIS/ PERCHLORIC ACIDS, pharmacodynamics/ THIOCYANATES, pharmacodynamics

2239. **Love L:** The view box. Ill Med J 143:269 passim, Mar 73
*ABSCESS, radiography/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ *FALLOPIAN TUBES/ FEMALE/ GYNECOLOGIC DISEASES, radiography/ HUMAN/ *OVARIAN DISEASES, radiography

2240. **Lovegrove T:** Infertility after the pill.
Br Med J 1:48, 6 Jan 73
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ SHEEP/ *SHEEP DISEASES/ *STERILITY, FEMALE, chemically induced/ *STERILITY, FEMALE, veterinary

2241. **Low JC, Schaaf M, Earll JM, et al:** Ionic calcium determination in primary hyperparathyroidism.
JAMA 223:152-5, 8 Jan 73
ADENOMA, blood/ ADULT/ AGED/ *CALCIUM, blood/ CALCIUM, urine/ CELL MEMBRANE/ COMPUTERS, DIGITAL/ DEPRESSION, etiology/ ELECTRODES/ FEMALE/ HEMATURIA, etiology/ HUMAN/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ IONS/ KIDNEY CALCULI, etiology/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, blood/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

2242. **Lozano-Tonkin C:** Wert der Knochenbiopsie in der Diagnose der kalzipenischen Osteopathien.
Z Rheumaforsch 31:358-66, Sep-Oct 72 (Ger)
BIOPSY/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ *BONE DISEASES, diagnosis/ BONE DISEASES, metabolism/ BONE DISEASES, pathology/ BONE RESORPTION, diagnosis/ CALCIUM, metabolism/ DENSITOMETRY/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYAPATITE, analysis/ ILIUM, pathology/ METHODS/ MICRORADIOGRAPHY/ OSTEOGENESIS/ OSTEOMALACIA, diagnosis/ OSTEOPOROSIS, diagnosis/ RIBS/ TETRACYCLINE, diagnostic use

2243. **Lu AY, Levin W, West SB, et al:** Reconstituted liver microsomal enzyme system that hydroxylates drugs, other foreign compounds, and endogenous substrates. VI. Different substrate specificities of the cytochrome P450 fractions from control and phenobarbital-treated rats.
J Biol Chem 248:456-60, 25 Jan 73
ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ BENZOPYRENES, metabolism/ BENZPHETAMINE, metabolism/ CHEMISTRY/ CHLORCYCLIZINE, metabolism/ *CYTOCHROME P-450, metabolism/ DEALKYLATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLAVONES, pharmacodynamics/ HEMEPROTEINS, isolation & purification/ HYDROXYLATION/ LIPIDS/ MALE/ *METHYLCHOLANTHRENE, pharmacodynamics/ *MICROSOMES, LIVER, metabolism/ MORPHINANS, metabolism/ OXIDOREDUCTASES, N-DEMETHYLATING, metabolism/ PENTOBARBITAL, metabolism/ *PHENOBARBITAL, pharmacodynamics/ PROADIFEN, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE, metabolism

2244. **Lubitz JA, Freeman L, Okun R:** Mitotane use in inoperable adrenal cortical carcinoma.
JAMA 223:1109-12, 5 Mar 73
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, drug therapy/ ADULT/ DIABETIC RETINOPATHY, chemically induced/ FEMALE/ FOLLOW-UP STUDIES/ GASTROINTESTINAL DISEASES, chemically induced/ HUMAN/ HYPERBILIRUBINEMIA, chemically induced/ LEUKOPENIA, chemically induced/ MALE/ MIDDLE AGE/ MITOTANE, administration & dosage/ MITOTANE, adverse effects/ *MITOTANE, therapeutic use/ NEOPLASM METASTASIS/ NEUROMUSCULAR DISEASES, chemically induced/ REMISSION/ SKIN DISEASES, chemically induced/ STEROIDS, urine/ THROMBOPENIA, chemically induced/ TIME FACTORS

2245. **Luce JK, Frei E 3d, Gehan EA, et al:** Chemotherapy of Hodgkin's disease. Maintenance therapy vs no maintenance after remission induction with combination chemotherapy.
Arch Intern Med 131:391-5, Mar 73
ADULT/ AGE FACTORS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ BLOOD CELL COUNT/ BONE MARROW/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, adverse effects/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ REMISSION/ SEX FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, adverse effects/ *VINCRISTINE, therapeutic use

2246. **Lucente FE:** Endocrine problems in otolaryngology.
Ann Otol Rhinol Laryngol 82:131-7, Jan-Feb 73 (39 ref.)
ACROMEGALY, complications/ *ADRENAL GLAND DISEASES, complications/ DEAFNESS, congenital/ DEAFNESS, etiology/

DEGLUTITION DISORDERS, etiology/ *DIABETES MELLITUS, complications/ DIABETIC NEUROPATHIES, complications/ HUMAN/ HYPOTHYROIDISM, complications/ LARYNGISMUS, etiology/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ ORAL MANIFESTATIONS/ OTITIS EXTERNA, etiology/ *OTORHINOLARYNGOLOGIC DISEASES, etiology/ PHARYNGITIS, etiology/ *PITUITARY DISEASES, complications/ PSEUDOMONAS INFECTIONS/ REVIEW/ SURGICAL WOUND INFECTION/ *THYROID DISEASES, complications/ VOCAL CORD PARALYSIS, etiology

2247. **Ludens JH, DeVries JR, Fanestil DD:** Studies on affinity chromatography of aldosterone-binding macromolecules. J Steroid Biochem 3:193-200, Feb 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AGAR/ ALDOSTERONE, analysis/ ALDOSTERONE, antagonists & inhibitors/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ CHROMATOGRAPHY, AFFINITY/ CORTICOSTERONE, analysis/ CORTICOSTERONE, pharmacodynamics/ CYTOSOL, analysis/ IN VITRO/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, metabolism/ *MACROMOLECULAR SYSTEMS/ MINERALOCORTICOIDS, analysis/ POLYSACCHARIDES/ POTASSIUM CHLORIDE/ RATS/ SUCCINATES, pharmacodynamics/ TRITIUM

2248. **Lufkin EG, Katz FH, Herman RH:** Primary aldosteronism due to hyperplasia of zona glomerulosa: failure of suppression by DOCA or stimulation by angiotensin. Am J Med Sci 264:367-74, Nov 72
*ADRENAL GLAND HYPERFUNCTION, physiopathology/ ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ *ANGIOTENSIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, therapeutic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA/ HYPERTENSION, physiopathology/ PROGNOSIS/ STIMULATION, CHEMICAL

2249. **Lukacs I:** Uber die Wirkungsweise von Glucocorticosteroiden in der Epidermis.
Arch Dermatol Forsch 244:549-50, 1972 (Ger)
ANIMAL EXPERIMENTS/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, pharmacodynamics/ GUINEA PIGS/ HYPERPLASIA/ INJECTIONS, INTRAPERITONEAL/ *RNA POLYMERASE, analysis/ RNA POLYMERASE, antagonists & inhibitors/ SKIN, analysis/ SKIN, drug effects/ *SKIN, enzymology

2250. **Lundberg PO, Wide L:** The response to TRH, LH-RH, metyrapone and vasopressin in patients with hypothalamo-pituitary disorders.
Eur J Clin Invest 3:49-56, Jan 73
ACROMEGALY, metabolism/ ADENOMA, CHROMOPHOBE, metabolism/ ADENOMA, EOSINOPHILIC, metabolism/ ADULT/ BRAIN NEOPLASMS, metabolism/ CRANIOPHARYNGIOMA, metabolism/ DIABETES INSIPIDUS, metabolism/ FEMALE/ HUMAN/ *LH, blood/ MALE/ MENINGIOMA, metabolism/ *METYRAPONE, pharmacodynamics/ PINEALOMA, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PITUITARY NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ *VASOPRESSIN, pharmacodynamics

2251. **Lunde DT, Hamburg DA:** Techniques for assessing the effects of sex hormones on affect, arousal, and aggression in humans.
Recent Prog Horm Res 28:627-63, 1972
ADULT/ *AFFECT/ *AGGRESSION/ AGING/ ANDROGENS/ ANDROGENS, analysis/ ANIMAL EXPERIMENTS/ *AROUSAL/ BEHAVIOR/ CHILD/ CHROMATOGRAPHY, GAS/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEMALE/ HUMAN/ LACTATION/ MALE/ MENSTRUATION/ METHODS/ PROTEIN BINDING/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ *SEX HORMONES, physiology/ STRESS/ TESTOSTERONE, analysis

2252. **Lunell NO, Persson B, Ohqvist G:** The effects of an oral combined contraceptive on plasma levels of glucose, free fatty acids, glycerol, D- hydroxybutyrate and triglycerides. Acta Obstet Gynecol Scand 52:23-4, 1973
ADULT/ *BLOOD SUGAR, metabolism/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GLYCERIN, blood/ HUMAN/ *HYDROXYBUTYRATES, blood/ MESTRANOL, administration & dosage/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, administration & dosage/ NORETHINDRONE, pharmacodynamics/ STIMULATION, CHEMICAL/ *TRIGLYCERIDES, blood

2253. **Luppa H, Weiss J, Martin D:** Ein Beitrag zur elektronenmikroskopisch-histochemischen Darstellung der unspezifischen sauren Phosphatase met p-Nitrophenylphosphat.
Acta Histochem (Jena) 43:184-8, 1972 (Ger)
*ACID PHOSPHATASE, analysis/ GOLGI APPARATUS, enzymology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, enzymology/ LYSOSOMES, enzymology/ METHODS/ MICE/ MICROSCOPY, ELECTRON/ NITROBENZENES/ *PHOSPHATES

2254. **Lurvey A, Yussin A, DeQuattro V:** Pseudopheochromocytoma after self-administered isoproterenol.
J Clin Endocrinol Metab 36:766-9, Apr 73
ADULT/ *DRUG ABUSE/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ *ISOPROTERENOL/ NOREPINEPHRINE, urine/ *PHEOCHROMOCYTOMA, chemically induced/ PHEOCHROMOCYTOMA, urine/ VANILMANDELIC ACID, urine

2255. **Lush D, Thorpe JN, Richardson DJ, et al:** The effect of epidural analgesia on the adrenocortical response to surgery. Br J Anaestb 44:1169-72, Nov 72
ADULT/ *ANESTHESIA, EPIDURAL/ ANESTHESIA, GENERAL/ CASTRATION/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYSTERECTOMY/ MIDDLE AGE/ PAIN, prevention & control/ PELVIS, surgery/ POSTOPERATIVE COMPLICATIONS, prevention & control/ *SURGERY, OPERATIVE/ TIME FACTORS

2256. **Lustgarten C, Bottoms GD, Shaskas JR:** Experimental adrenalectomy of pigs. Am J Vet Res 34:279-82, Feb 73
ADRENAL GLANDS, anatomy & histology/ *ADRENALECTOMY, veterinary/ ANESTHESIA, INHALATION, veterinary/ ANIMAL EXPERIMENTS/ DEXAMETHASONE, therapeutic use/ DIHYDROSTREPTOMYCIN, therapeutic use/ FEMALE/ GLUCOCORTICOIDS, blood/ INJECTIONS, INTRAMUSCULAR/ KETAMINE, administration & dosage/ MALE/ METHODS/ METHOXYFLURANE/ PENICILLIN, therapeutic use/ REGENERATION/ *SWINE

2257. **Luthman J, Jonson G, Jacobsson SO:** The effects of estrogen and progesterone on the blood levels of glucose, non-esterified fatty acids and cholesterol in ovariectomized sheep. Acta Vet Scand 13:242-50, 1972
ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ *BLOOD SUGAR, metabolism/ CASTRATION, veterinary/ CATTLE/ *CHOLESTEROL, blood/ *ESTRADIOL, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ LACTATION/ OVARY, physiology/

OVULATION/ *PROGESTERONE, pharmacodynamics/ SHEEP/ TIME FACTORS

2258. **Luton JP, Valcke JC, Remy JM, et al:** Gynécomasties au cours de traitements prolongés de la maladie de Cushing par l'OP'DD.
Ann Endocrinol (Paris) 33:290-3, May-Jun 72 (Fre)
*CUSHING'S SYNDROME, drug therapy/ DDD, adverse effects/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ ESTROGENS, urine/ FEMALE/ *GYNECOMASTIA, chemically induced/ GYNECOMASTIA, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ MALE/ STEREOISOMERS/ TESTOSTERONE, blood

2259. **Luttwak EM:** Quantitative studies of ascitic fluid.
Surg Gynecol Obstet 136:269-72, Feb 73
ANIMAL EXPERIMENTS/ ASCITES, physiopathology/ *ASCITIC FLUID/ DOGS/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PERITONEAL CAVITY, anatomy & histology/ SERUM ALBUMIN, RADIO-IODINATED/ SODIUM CHLORIDE, administration & dosage/ THYROID GLAND, metabolism/ TIME FACTORS

2260. **Lynch HT, Krush AJ:** Differential diagnosis of the cancer family syndrome.
Surg Gynecol Obstet 136:221-4, Feb 73
ADENOCARCINOMA, familial & genetic/ ADRENAL GLAND NEOPLASMS, familial & genetic/ ADULT/ AGE FACTORS/ AGED/ CARCINOMA, familial & genetic/ COLONIC NEOPLASMS, familial & genetic/ DIAGNOSIS, DIFFERENTIAL/ DISEASES IN TWINS/ ENDOMETRIOSIS, familial & genetic/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ INTESTINAL POLYPS, familial & genetic/ MIDDLE AGE/ *NEOPLASMS, familial & genetic/ NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ PITUITARY NEOPLASMS, familial & genetic/ *PRECANCEROUS CONDITIONS, familial & genetic/ SKIN NEOPLASMS, familial & genetic/ SYNDROME

2261. **Lynch PG, Bansal DV:** Granulomatous polymyositis.
J Neurol Sci 18:1-9, Jan 73
ALDOLASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD SEDIMENTATION/ CREATINE KINASE, blood/ DIAGNOSIS, DIFFERENTIAL/ ELECTROMYOGRAPHY/ FEMALE/ *GRANULOMA, pathology/ HUMAN/ LACTATE DEHYDROGENASE, blood/ LIVER FUNCTION TESTS/ MIDDLE AGE/ MUSCLES, pathology/ MYOSITIS, classification/ MYOSITIS, diagnosis/ MYOSITIS, drug therapy/ MYOSITIS, enzymology/ *MYOSITIS, pathology/ NEURAL CONDUCTION/ PREDNISOLONE, therapeutic use/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, pathology

2262. **Lyngset O, Lunaas T:** Urinary oestrogen excretion in the goat during the oestrous cycle and after administration of pregnant mare serum gonadotrophin (PMSG). Acta Vet Scand 13:272-4, 1972
ANIMAL EXPERIMENTS/ *ESTRADIOL, urine/ *ESTRONE, urine/ *ESTRUS/ FEMALE/ GOATS/ *GONADOTROPINS, EQUINE, pharmacodynamics

2263. **Lyngset O, Lunaas T:** Amniotic and allantoic fluid levels of oestrogens at different stages of development in the goat. Acta Vet Scand 13:269-71, 1972
*AMNIOTIC FLUID, analysis/ ANIMAL EXPERIMENTS/ *ESTRADIOL, analysis/ ESTRONE, analysis/ FEMALE/ *FETAL MEMBRANES, analysis/ GESTATIONAL AGE/ GOATS/ PREGNANCY

M

2264. **McAfee DA, Greengard P:** Adenosine 3',5'-monophosphate: electrophysiological evidence for a role in synaptic transmission.
Science 178:310-2, Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ *GANGLIA, AUTONOMIC, physiology/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *MEMBRANE POTENTIALS/ *NEURAL TRANSMISSION/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ THEOPHYLLINE, pharmacodynamics

2265. **McAlpine D:** Thiocyanate metabolism in human vitamin B 12 deficiency. Br Med J 1:486, 24 Feb 73
FEMALE/ HUMAN/ MALE/ NEURITIS, etiology/ SMOKING, complications/ *THIOCYANATES, metabolism/ *VITAMIN B 12 DEFICIENCY, metabolism

2266. **McArthur JW, Toll GD, Russfield AB, et al:** Sexual precocity attributable to ectopic gonadotropin secretion by hepatoblastoma.
Am J Med 54:390-403, Mar 73
CASE REPORT/ CHILD, PRESCHOOL/ DACTINOMYCIN, therapeutic use/ ESTROGENS, urine/ ETHINYL ESTRADIOL, therapeutic use/ *GONADOTROPINS, secretion/ HEPATOMA, drug therapy/ HEPATOMA, pathology/ *HEPATOMA, physiopathology/ *HORMONES, ECTOPIC, secretion/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ LH, urine/ LIVER, pathology/ LIVER NEOPLASMS, drug therapy/ LIVER NEOPLASMS, pathology/ *LIVER NEOPLASMS, physiopathology/ MALE/ NEUTRALIZATION TESTS/ PUBERTY, PRECOCIOUS, drug therapy/ *PUBERTY, PRECOCIOUS, etiology/ TESTOSTERONE, urine

2267. **McCaa RE, McCaa CS, Cowley AW Jr, et al:** Stimulation of aldosterone secretion by hemorrhage in dogs after nephrectomy and decapitation.
Circ Res 32:356-62, Mar 73
*ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, physiology/ DOGS/ HEMODIALYSIS/ *HEMORRHAGE, physiopathology/ *KIDNEY, physiology/ NEPHRECTOMY/ *PITUITARY GLAND, physiology/ POTASSIUM, blood/ RENIN, physiology/ SECRETORY RATE/ SODIUM, blood/ TIME FACTORS

2268. **McCallister LP, Page E:** Effects of thyroxin on ultrastructure of rat myocardial cells: a stereological study. J Ultrastruct Res 42:136-55, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ HEART VENTRICLE, cytology/ *HEART VENTRICLE, drug effects/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNICS/ *HYPOTHYROIDISM, pathology/ MAGNESIUM, analysis/ MICROCHEMISTRY/ MICROSCOPY, ELECTRON/ MICROTUBULES, drug effects/ MITOCHONDRIA, MUSCLE, drug effects/ MITOCHONDRIAL SWELLING, drug effects/ *MYOCARDIUM, cytology/ MYOCARDIUM, pathology/ MYOFIBRILS, analysis/ ORGAN WEIGHT/ RATS/ SARCOLEMMA, drug effects/ THYROIDECTOMY/ *THYROXINE, pharmacodynamics/ TIME FACTORS

2269. **McCann DS, Prunty J, Rigg G, et al:** Conditions for a radioimmunoassay of serum parathyroid hormone.
Clin Chem 19:205-9, Feb 73
ANTIBODY SPECIFICITY/ CHICKENS, immunology/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, blood/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SWINE

2270. **McCarthy D, Chernlack RM:** Regional

ventilation-perfusion and hypoxia in cryptogenic fibrosing alveolitis.
Am Rev Respir Dis 107:200-8, Feb 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ANOXEMIA, etiology/ FEMALE/ HUMAN/ LUNG, physiopathology/ LUNG DISEASES, OBSTRUCTIVE, complications/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ *LUNG DISEASES, OBSTRUCTIVE, physiopathology/ MALE/ MIDDLE AGE/ NITROGEN, diagnostic use/ OXYGEN, blood/ PARTIAL PRESSURE/ *PULMONARY ALVEOLI, physiopathology/ PULMONARY CIRCULATION/ RESPIRATORY AIRFLOW/ SPIROMETRY/ VENTILATION-PERFUSION RATIO

2271. **McCaughey W, Coppel DL, Dundee JW:** Blast injuries to the lungs. A report of two cases.
Anaesthesia 28:2-9, Jan 73
ADULT/ ATMOSPHERIC PRESSURE/ *BLAST INJURIES/ BLAST INJURIES, complications/ BLAST INJURIES, diagnosis/ BLAST INJURIES, therapy/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *LUNG, injuries/ OXYGEN INHALATION THERAPY/ POSITIVE-PRESSURE RESPIRATION/ PRESSURE/ PULMONARY EDEMA, drug therapy/ PULMONARY EDEMA, etiology/ RESPIRATORY INSUFFICIENCY, diagnosis/ RESPIRATORY INSUFFICIENCY, etiology

2272. **McCauley EH, Linn JG, Goodrich RD:** Experimentally induced iodide toxicosis in lambs.
Am J Vet Res 34:65-70, Jan 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ BODY WEIGHT/ ETHYLENEDIAMINES, administration & dosage/ ETHYLENEDIAMINES, toxicity/ IODIDES, administration & dosage/ *IODIDES, toxicity/ IODINE, blood/ POTASSIUM IODIDE, administration & dosage/ POTASSIUM IODIDE, toxicity/ PROTEIN BINDING/ SHEEP/ *SHEEP DISEASES, chemically induced/ SHEEP DISEASES, pathology

2273. **McClatchey WM, Carr AA:** Prostaglandin (PGA1), angiotensin and renal function.
Prostaglandins 2:213-7, Sep 72
ANGIOTENSIN AMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DEPRESSION, CHEMICAL/ DESOXYCORTICOSTERONE, pharmacodynamics/ DIURESIS, drug effects/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ KIDNEY, drug effects/ KIDNEY, physiology/ KIDNEY FUNCTION TESTS/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, secretion/ REGIONAL BLOOD FLOW, drug effects/ RENAL ARTERY/ RENIN, physiology/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ VASOPRESSIN, pharmacodynamics/ WATER DEPRIVATION

2274. **McClure HM:** Tumors in nonhuman primates: observations during a six-year period in the Yerkes primate center colony.
Am J Phys Anthropol 38:425-9, Mar 73
ADENOCARCINOMA, veterinary/ ANIMAL EXPERIMENTS/ BONE NEOPLASMS, veterinary/ BRAIN NEOPLASMS, veterinary/ DISGERMINOMA, veterinary/ FEMALE/ GLIOBLASTOMA MULTIFORME, veterinary/ HEMANGIOMA, veterinary/ HODGKIN'S DISEASE, veterinary/ KIDNEY NEOPLASMS, veterinary/ LEIOMYOMA, veterinary/ MACACA/ MALE/ MICROSCOPY, ELECTRON/ *MONKEY DISEASES, occurrence/ MONKEYS/ *NEOPLASMS, veterinary/ OVARIAN NEOPLASMS, veterinary/ SARCOMA, veterinary/ SKIN NEOPLASMS, veterinary/ STOMACH NEOPLASMS, veterinary/ TESTICULAR NEOPLASMS, veterinary/ UTERINE NEOPLASMS, veterinary

2275. **McClure TD, Clark G:** An ascending fiber projection from the pontine reticular formation to the hypothalamus in the cat. Exp Neurol 37:510-4, Dec 72
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CATS/ EMOTIONS/ *HYPOTHALAMUS, anatomy & histology/ MAMMILLARY BODIES, anatomy & histology/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ OCULOMOTOR NERVE, anatomy & histology/ *PONS, anatomy & histology/ RED NUCLEUS, anatomy & histology/ *RETICULAR FORMATION, anatomy & histology/ TEGMENTUM MESENCEPHALI, anatomy & histology/ TROCHLEAR NERVE, anatomy & histology

2276. **Macdonald GJ, Demers LM, Greep RO:** Peripheral serum progesterone and correlated endometrial glycogen levels during the menstrual cycle of Macaca arctoides. Fertil Steril 24:98-103, Feb 73
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, metabolism/ FEMALE/ *GLYCOGEN, metabolism/ MACACA/ *MENSTRUATION/ *PROGESTERONE, blood/ TIME FACTORS

2277. **Macdonald GJ, Yoshinaga K, Greep RO:** Progesterone values in monkeys near term.
Am J Phys Anthropol 38:201-5, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ GESTATIONAL AGE/ *MACACA, physiology/ MALE/ MONKEYS/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

2278. **McDonald JS:** Radiographic method for anatomic study of the teat canal: changes within the first lactation.
Am J Vet Res 34:169-71, Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE, anatomy & histology/ DILATATION/ FEMALE/ *LACTATION/ TIME FACTORS/ UDDER, anatomy & histology/ *UDDER, radiography

2279. **Mace JW, Gotlin RW:** Short stature and onychodysplasia. Report of a case resembling Senior syndrome. Am J Dis Child 125:114-6, Jan 73
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BONE AND BONES, radiography/ CHILD DEVELOPMENT DEVIATIONS, complications/ FEMALE/ *FINGERS, abnormalities/ *GROWTH DISORDERS, complications/ HUMAN/ MENTAL RETARDATION, complications/ *NAILS, MALFORMED, complications/ SYNDROME/ *TOES, abnormalities

2280. **McElin TW:** What's new in surgery. Gynecology and obstetrics. Surg Gynecol Obstet 136:197-201, Feb 73
ABORTION, INDUCED/ ABORTION, LEGAL/ ADENOCARCINOMA, drug therapy/ AMNIOTIC FLUID, analysis/ BLOOD GROUP INCOMPATIBILITY, diagnosis/ CONTRACEPTION/ CONTRACEPTIVES, ORAL, therapeutic use/ CONTRACEPTIVES, POSTCOITAL, therapeutic use/ DELIVERY/ FEMALE/ FETAL DISEASES, diagnosis/ GONORRHEA, drug therapy/ *GYNECOLOGY/ HUMAN/ INFANT, NEWBORN/ INTRAUTERINE DEVICES/ LABOR, PREMATURE, prevention & control/ MONITORING SYSTEMS/ *OBSTETRICS/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PRENATAL DIAGNOSIS/ STERILIZATION, SEXUAL/ TROPHOBLASTIC TUMOR, therapy/ ULTRASONICS, diagnostic use/ VAGINAL NEOPLASMS, therapy

2281. **McFall E:** Role of adenosine 3',5'-cyclic monophosphate and its specific binding protein in the regulation of D-serine deaminase synthesis.
J Bacteriol 113:781-5, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CARRIER PROTEINS, pharmacodynamics/ ENZYME INDUCTION/ ENZYME REPRESSION/ *ESCHERICHIA COLI, enzymology/ GALACTOSIDASE, biosynthesis/ GALACTOSIDASE, metabolism/ GENOTYPE/

GLUCOSE, pharmacodynamics/ GLYCOSIDES, pharmacodynamics/ MUTAGENS/ MUTATION/ NITROSOGUANIDINES/ SERINE, pharmacodynamics/ *SERINE DEHYDRATASE, biosynthesis/ SERINE DEHYDRATASE, metabolism/ TRANSDUCTION, GENETIC

2282. **McFarland JW:** The chemotherapy of intestinal nematodes. Prog Drug Res 16:157-93, 1972 (443 ref.)
*ANTHELMINTICS, therapeutic use/ ARSENICALS, therapeutic use/ BENZIMIDAZOLES, therapeutic use/ BEPHENIUM COMPOUNDS, therapeutic use/ CATTLE/ CATTLE DISEASES, drug therapy/ DOGS/ DRUG RESISTANCE, MICROBIAL/ HUMAN/ IMIDAZOLES, therapeutic use/ *INTESTINAL DISEASES, PARASITIC, drug therapy/ INTESTINAL DISEASES, PARASITIC, veterinary/ *NEMATODE INFECTIONS, drug therapy/ NEMATODE INFECTIONS, veterinary/ ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ PIPERAZINES, therapeutic use/ POULTRY DISEASES, drug therapy/ PYRIDINIUM COMPOUNDS, therapeutic use/ PYRIMIDINES, therapeutic use/ REVIEW/ SHEEP DISEASES, drug therapy/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE DISEASES, drug therapy/ THIAZOLES, therapeutic use/ THIOCYANATES, therapeutic use

2283. **McGee MM, Greengard O, Knox WE:** Liver phenylalanine hydroxylase activity in relation to blood concentrations of tyrosine and phenylalanine in the rat. Biochem J 127:675-80, May 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ P-CHLOROPHENYLALANINE, blood/ HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ *PHENYLALANINE, blood/ *PHENYLALANINE HYDROXYLASE, analysis/ RATS/ RATS, INBRED STRAINS/ THYROXINE, pharmacodynamics/ *TYROSINE, blood

2284. **McGee MM, Greengard O, Knox WE:** The quantitative determination of phenylalanine hydroxylase in rat tissues. Its developmental formation in liver. Biochem J 127:669-74, May 72
AGE FACTORS/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ KIDNEY, enzymology/ LIVER, embryology/ *LIVER, enzymology/ LIVER, growth & development/ MALE/ MICE/ *PHENYLALANINE HYDROXYLASE, analysis/ PTERINS/ RATS

2285. **McGowan BK, Hankins WG, Garcia J:** Limbic lesions and control of the internal and external environment. Behav Biol 7:841-52, Dec 72
ACOUSTIC STIMULATION/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ CONDITIONING (PSYCHOLOGY)/ CUES/ *DRINKING BEHAVIOR/ ELECTROSHOCK/ ENVIRONMENT/ HIPPOCAMPUS, physiology/ INHIBITION (PSYCHOLOGY)/ *LIMBIC SYSTEM, physiology/ MALE/ NAUSEA/ PAIN/ RATS/ SEPTUM PELLUCIDUM, physiology/ TASTE

2286. **McGuire PM, Dunlap RC, Sharp DG:** Physical markers of change in a virion population during passage. J Infect Dis 127:278-83, Mar 73
ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, ZONAL/ CHICK EMBRYO/ FETAL MEMBRANES/ L CELLS/ LYMPH/ MICE/ MICROSCOPY, ELECTRON/ PLAQUE ASSAY/ RABBITS/ *SMALLPOX VACCINE, standards/ SUCROSE/ TESTIS/ TISSUE CULTURE/ VACCINES, ATTENUATED, standards/ *VACCINIA VIRUS/ VACCINIA VIRUS, growth & development/ *VIRUS CULTIVATION

2287. **McGuire WL, DeLaGarza M:** Similarity of the estrogen receptor in human and rat mammary carcinoma. J Clin Endocrinol Metab 36:548-52, Mar 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *BREAST NEOPLASMS, pathology/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL/ *ESTRADIOL/ FEMALE/ GEL FILTRATION/ HUMAN/ *MAMMAE/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ PRECIPITATION/ PROTEIN BINDING/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ *RODENT DISEASES, pathology/ TRITIUM

2288. **McGuire WL, Huff K, Chamness GC:** Temperature-dependent binding of estrogen receptor to chromatin.
Biochemistry 11:4562-5, 21 Nov 72
ANIMAL EXPERIMENTS/ *CHROMATIN/ CYTOPLASM, metabolism/ *ESTRADIOL/ ESTRADIOL, metabolism/ FEMALE/ KINETICS/ MAMMARY NEOPLASMS, EXPERIMENTAL/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TEMPERATURE/ TRITIUM/ UTERUS, cytology/ UTERUS, metabolism

2289. **Mach S:** Darstellung maligner, gynäkologischer Tumorrezidive im kleinen Becken durch die kombinierte Lympho-Pneumopelvigraphie.
Zentralbl Gynaekol 94:1802-10, 30 Dec 72 (Ger
CERVIX NEOPLASMS, radiography/ FEMALE/ *GYNECOLOGIC NEOPLASMS, radiography/ HUMAN/ LYMPHOGRAPHY/ METHODS/ *NEOPLASM RECURRENCE, LOCAL, radiography/ OVARIAN NEOPLASMS, radiography/ UTERINE NEOPLASMS, radiography

2290. **McHugh PR, Gibbs J:** Aspects of subcortical organization of feeding revealed by hypothalami disconnexions in Macaca mulatta. Brain 95:279-92, 197
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DRINKING BEHAVIOR/ *FEEDING BEHAVIOR/ *HUNGER/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MACACA, physiology/ MALE/ MONKEYS/ NEURAL TRANSMISSION/ NEURONS, AFFERENT, physiology/ THIRST

2291. **Macintyre EH, Wintersgill CJ, Perkins JP, et al:** Th responses in culture of human tumour astrocytes an neuroblasts to N 6 , O 2' -dibutyryl adenosin 3',5'-monophosphoric acid. J Cell Sci 11:639-67, Nov 7
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ASTROCYTOMA/ ASTROCYTOMA, pathology/ CELL COUNT/ CELL DIFFERENTIATION/ CELL DIVISION, drug effects/ CELL LINE/ CELL MEMBRANE, drug effects/ CONTACT INHIBITION/ CYTOPLASM, drug effects/ HUMAN/ KINETICS/ *NEUROBLASTOMA/ NEUROBLASTOMA, pathology/ NEUROGLIA, cytology/ NEUROGLIA, drug effects/ NEUROGLIA, growth & development/ NEURONS, cytology/ NEURONS, drug effects/ NEURONS, growth & development/ THEOPHYLLINE, pharmacodynamics

2292. **MacIntyre I:** Vitamin D metabolism.
N Engl J Med 288:471-2, 1 Mar 73
ANIMAL EXPERIMENTS/ HYDROXYCHOLECALCIFEROL, metabolism/ PARATHYROID HORMONE, physiology/ RATS/ *VITAMIN D, metabolism/ VITAMIN I DEFICIENCY, metabolism

2293. **McKenzie HA, Ralston GB, Shaw DC:** Location o sulfhydryl and disulfide groups in bovine -lactoglobulins and effects of urea.
Biochemistry 11:4539-47, 21 Nov 72
ACETAMIDES/ ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CATTLE/ CYSTEINE/ DANSYL COMPOUNDS/ DISULFIDES/ ELECTROPHORESIS, PAPER/ IODOACETATES/ *LACTOGLOBULINS/ LACTOGLOBULINS, analysis/ OXIDATION-REDUCTION/ PEPSIN/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PROTEIN DENATURATION/ SUBTILISINS/ SULFHYDRYL COMPOUNDS/ THIOCYANATES/ UREA

2294. **McKenzie JA:** Comparative electrophoresis of tissue

from blueback herring Alosa aestivalis (Mitchill) and gaspareau, Alosa pseudoharengus (Wilson).
Comp Biochem Physiol [B] 44:65-8, 15 Jan 73
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, STARCH GEL/ EYE, enzymology/ FEMALE/ FISHES, classification/ *FISHES, metabolism/ *LACTATE DEHYDROGENASE, isolation & purification/ LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ LIVER, enzymology/ MALE/ *MUSCLE PROTEINS, isolation & purification/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ OVARY, enzymology/ SPECIES SPECIFICITY/ TESTIS, enzymology

2295. **Mackenzie P, Meakin JW, Simpson WJ:** Irradiation of the hypophysis. Can Med Assoc J 108:136, 20 Jan 73
CUSHING'S SYNDROME, radiotherapy/ FEMALE/ HUMAN/ MENSTRUATION/ *PITUITARY GLAND IRRADIATION, adverse effects/ PREGNANCY

2296. **McKerns KW, Ryschkewitsch W:** ACTH stimulation of purine nucleotide biosynthesis in the adrenal cortex. ACTH stimulation of purine biosynthesis.
Arch Biochem Biophys 154:341-7, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ AMIDES, analysis/ ANIMAL EXPERIMENTS/ AZASERINE, pharmacodynamics/ CARBON ISOTOPES/ CATTLE/ CORTICOTROPIN, pharmacodynamics/ ENZYME ACTIVATION/ GLUCOSEPHOSPHATE DEHYDROGENASE/ GLUCOSEPHOSPHATES, pharmacodynamics/ GLYCINE, analysis/ IN VITRO/ NADP, pharmacodynamics/ *NUCLEOTIDES, biosynthesis/ PENTOSEPHOSPHATES, analysis/ PENTOSYLTRANSFERASES/ PROTEINS, analysis/ PURINE NUCLEOTIDES, biosynthesis/ *PURINES, biosynthesis/ PYRIMIDINE NUCLEOTIDES, biosynthesis/ ULTRACENTRIFUGATION

2297. **Mackey LJ, Jarrett WF:** Pathogenesis of lymphoid neoplasia in cats and its relationship to immunologic cell pathways. I. Morphologic aspects.
J Natl Cancer Inst 49:853-65, Sep 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BONE MARROW, pathology/ CATS/ *GASTROINTESTINAL NEOPLASMS, immunology/ GASTROINTESTINAL NEOPLASMS, pathology/ *LEUKEMIA, EXPERIMENTAL, immunology/ LEUKEMIA, EXPERIMENTAL, pathology/ LEUKEMOGENIC VIRUSES/ LIVER, pathology/ LYMPH NODES, pathology/ LYMPHATIC METASTASIS/ *LYMPHOSARCOMA, immunology/ LYMPHOSARCOMA, pathology/ PEYER'S PATCHES, pathology/ *SARCOMA, EXPERIMENTAL, immunology/ SARCOMA, EXPERIMENTAL, pathology/ SPLEEN, pathology/ THYMUS GLAND, pathology/ *THYMUS NEOPLASMS, immunology/ THYMUS NEOPLASMS, pathology

2298. **Mackie RM, Spilg WG, Thomas CE, et al:** Cell-mediated immunity in patients with malignant melanoma.
Br J Dermatol 87:523-8, Dec 72
ANTIGENS, NEOPLASM/ CELL MIGRATION INHIBITION/ HUMAN/ HYDROCORTISONE, blood/ *IMMUNITY, CELLULAR/ LEUKOCYTES, immunology/ MELANOMA, blood/ *MELANOMA, immunology/ MELANOMA, surgery/ TIME FACTORS

2299. **MacKinnon PC:** Changes in volume and incorporation of (35 S)- or (3 H)-methionine in the amygdala before and after puberty in male and and female mice.
Brain Res 50:115-23, 14 Feb 73
*AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL NUCLEUS/ CEREBRAL VENTRICLES, metabolism/ FEMALE/ GANGLIA, BASAL, metabolism/ HIPPOCAMPUS, metabolism/ MALE/ *METHIONINE, metabolism/ MICE/ *PUBERTY/ SEX BEHAVIOR, ANIMAL/ SULFUR ISOTOPES/ THALAMUS, metabolism/ TRITIUM

2300. **McKirdy HC:** Functional relationship of longitudinal and circular layers of the muscularis externa of the rabbit large intestine.
J Physiol (Lond) 227:839-53, Dec 72
ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ COLON, physiology/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ INTESTINE, LARGE, drug effects/ INTESTINE, LARGE, innervation/ *INTESTINE, LARGE, physiology/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, innervation/ *MUSCLE, SMOOTH, physiology/ MUSCLE TONUS/ NOREPINEPHRINE, pharmacodynamics/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RECTUM, physiology/ STIMULATION, CHEMICAL/ TETRODOTOXIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2301. **McLeod DG, Reynolds DG, Demaree GE:** Some pharmacologic characteristics of the human vas deferens. Invest Ophthalmol 10:338-41, Mar 73
ACETYLCHOLINE, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADULT/ CHEMORECEPTORS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ MECAMYLAMINE, pharmacodynamics/ MIDDLE AGE/ NEOSTIGMINE, pharmacodynamics/ *NEUROHUMORS, pharmacodynamics/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *VAS DEFERENS, drug effects

2302. **Macmillan AL:** Unusual features of scabies associated with topical fluorinated steroids.
Br J Dermatol 87:496-7, Nov 72
ADULT/ BECLOMETHASONE, adverse effects/ *BETAMETHASONE, adverse effects/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ HUMAN/ INFANT/ MALE/ MEDICATION ERRORS/ *METHYLPREDNISOLONE, adverse effects/ *SCABIES, drug therapy/ THIOCARBAMATES, therapeutic use

2303. **McNeill JH, Muschek LD:** Histamine effects on cardiac contractility, phosphorylase and adenyl cyclase.
J Mol Cell Cardiol 4:611-24, Dec 72
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GUINEA PIGS/ *HEART, physiology/ *HISTAMINE, pharmacodynamics/ MALE/ *MYOCARDIUM, enzymology/ PERFUSION/ PROPRANOLOL, pharmacodynamics/ PYRAZOLES, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ TRIAZOLES, pharmacodynamics/ TRIPELENNAMINE, pharmacodynamics

2304. **McNeilly JR:** Observations on the pattern of prolactin release during suckling in the ewe.
J Reprod Fertil 31:487-8, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ *LACTATION/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, metabolism/ RADIOIMMUNOASSAY/ *SHEEP, metabolism/ TIME FACTORS

2305. **McNicol E, Struthers JO:** A combined/oestrogen/progestogen/testosterone agent for the inhibition of lactation.
Br J Clin Pract 26:567-8, Dec 72
CLINICAL RESEARCH/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, pharmacodynamics/ DRUG COMBINATIONS/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *LACTATION, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

2306. **Macourt DC, Corker CS, Naftolin F:** The use of plasma oestriols in human pregnancy.
J Reprod Fertil 32:331-2, Feb 73
*ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ LABOR/ *PREGNANCY

2307. **McWhinnie DJ, Lehrer L:** Seasonal variation in amphibian phosphate metabolism and its relation to parathyroid structure and function.
Comp Biochem Physiol [A] 43:911-25, 1 Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, urine/ FROGS/ MALE/ PARATHYROID GLANDS, anatomy & histology/ PARATHYROID GLANDS, cytology/ *PARATHYROID GLANDS, physiology/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PHOSPHORUS, urine/ *RANA PIPIENS, metabolism/ SEASONS/ TISSUE EXTRACTS, pharmacodynamics

2308. **Madhavan K, Ursprung H:** The genetic control of fumarate hydratase (fumarase) in Drosophila melanogaster. Mol Gen Genet 120:379-80, 1973
ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ *DROSOPHILA MELANOGASTER, enzymology/ ELECTROPHORESIS/ *FUMARATES/ *GENES/ *HYDRO-LYASES, metabolism/ SEX CHROMOSOMES

2309. **Maeda A, Jin T, Satone T, et al:** [Effect of CT-1341, a new steroid anesthetic agent on adrenocortical function in man]
Jap J Anesthesiol 22:59-65, Jan 73 (Jap)
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADULT/ *ANESTHETICS, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PREGNANES, adverse effects/ *PREGNANES, pharmacodynamics

2310. **Maeno H:** [Protein kinase in the nervous system]
J Jap Biochem Soc 45:1-18, Jan 73 (145 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ CHROMATOGRAPHY/ EGG PROTEINS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ KETONE OXIDOREDUCTASES, metabolism/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MICE/ MYOCARDIUM, enzymology/ *NERVOUS SYSTEM, enzymology/ NEUROBLASTOMA, enzymology/ PHOSPHOPROTEINS/ PHOSPHORYLASE KINASE, metabolism/ PHOSPHOTRANSFERASES, isolation & purification/ *PHOSPHOTRANSFERASES, metabolism/ PHOTORECEPTORS, enzymology/ PROTEIN KINASE, metabolism/ PYRUVATES/ RATS/ REVIEW/ RNA, biosynthesis/ SPLEEN, enzymology/ SWINE/ SYNAPTIC MEMBRANES, enzymology

2311. **Mäenpää J:** Congenital hypothyroidism. Aetiological and clinical aspects. Arch Dis Child 47:914-23, Dec 72
ADOLESCENCE/ BIRTH WEIGHT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENES, RECESSIVE/ GESTATIONAL AGE/ GOITER, congenital/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, familial & genetic/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MENTAL RETARDATION, etiology/ NEUROLOGIC MANIFESTATIONS/ PEDIGREE/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ *THYROID GLAND, abnormalities/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, biosynthesis

2312. **Magalhães MC:** A new crystal-containing cell in human adrenal cortex. J Cell Biol 55:126-33, Oct 72
ACID PHOSPHATASE, metabolism/ *ADRENAL GLANDS, cytology/ ADULT/ CELLULAR INCLUSIONS/ CELLULAR INCLUSIONS, metabolism/ CYTOPLASMIC GRANULES/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PEPSIN, pharmacodynamics/ PEROXIDASES, metabolism/ PRONASE, pharmacodynamics/ RIBONUCLEASE, pharmacodynamics/ SEX FACTORS

2313. **Magaribuchi T, Ito Y, Kuriyama H:** Effects of rapid cooling on the mechanical and electrical activities of smooth muscles of guinea pig stomach and taenia coli.
J Gen Physiol 61:323-41, Mar 73
ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ *COLD/ *COLON, physiology/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ EVOKED POTENTIALS/ EVOKED POTENTIALS, drug effects/ GUINEA PIGS/ IN VITRO/ ISOTONIC SOLUTIONS/ MALE/ MEMBRANE POTENTIALS/ MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ *STOMACH, physiology/ THYMOL, pharmacodynamics

2314. **Maggi V, Gahan PB, Khan W, et al:** Reinvestigation of the pathogenesis of familial xanthomatosis through conjoint cytochemical, ultrastructural, and biochemical studies. Exp Mol Pathol 17:348-64, Dec 72
ADRENAL GLANDS, pathology/ *DISEASES IN TWINS/ HUMAN/ INFANT/ INTESTINE, SMALL, pathology/ LIPASE, metabolism/ LIPIDS, metabolism/ LIPOIDOSIS, enzymology/ LIPOIDOSIS, familial & genetic/ LIPOIDOSIS, metabolism/ *LIPOIDOSIS, pathology/ LIVER, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ LYSOSOMES, enzymology/ MALE/ MESENTERY, pathology/ MICROSCOPY, ELECTRON/ ORGAN SPECIFICITY/ SPLEEN, pathology/ SYNDROME/ XANTHOMATOSIS, enzymology/ XANTHOMATOSIS, familial & genetic/ XANTHOMATOSIS, metabolism/ *XANTHOMATOSIS, pathology

2315. **Magos L:** Toxicity of carbon disulphide.
Ann Occup Hyg 15:303-11, Nov 72
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CARBON DISULFIDE, toxicity/ DOPAMINE, metabolism/ DRUG SYNERGISM/ FASTING/ LIVER DISEASES, chemically induced/ MALE/ NOREPINEPHRINE, metabolism/ PHENOBARBITAL, pharmacodynamics/ RATS/ TYROSINE, metabolism

2316. **Mahajan DK, Wahlen JD, Tyler FH, et al:** Plasma 11-deoxycortisol radioimmunoassay for metyrapone tests. Steroids 20:609-20, Nov 72
ADDISON'S DISEASE, blood/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE/ HYDROXYSTEROIDS, blood/ HYPOPITUITARISM, blood/ KETOSTEROIDS, blood/ MALE/ *METYRAPONE, diagnostic use/ PITUITARY GLAND, physiology/ *PREGNENES, blood/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX FACTORS/ TRANSCORTIN/ TRITIUM

2317. **el-Mahgoub S, Ammar R:** Ovarian changes during progestogen amenorrhoea.

J Obstet Gynaecol Br Commonw 79:841-5, Sep 72
ADULT/ *AMENORRHEA, chemically induced/ BIOPSY/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, biosynthesis/ ESTROGENS, physiology/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ MEDROXYPROGESTERONE, adverse effects/ NORETHINDRONE, adverse effects/ OVARIAN CYSTS, chemically induced/ OVARIAN CYSTS, patbology/ *OVARY, anatomy & histology/ OVARY, drug effects/ OVARY, pathology

2318. **el-Mahgoub S, Karim M:** The long-term use of injectable norethisterone enanthate as a contraceptive. Contraception 5:21-9, Jan 72
ADOLESCENCE/ ADULT/ BIOPSY/ CERVIX MUCUS, drug effects/ CONTRACEPTIVE AGENTS, administration & dosage/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, pathology/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LIVER FUNCTION TESTS/ MENSTRUATION DISORDERS/ NORETHINDRONE, administration & dosage/ NORETHINDRONE, adverse effects/ OVARY, drug effects/ OVARY, pathology/ SPECIAL LIST REPRODUCTION/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS/ VAGINAL SMEARS

2319. **Mahmood A, Siddiqi M:** Effect of alloxan diabetes, insulin & diabetogenic hormones on intestinal transport of tyrosine in rats.
Indian J Exp Biol 10:237-9, May 72
*ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ INTESTINES, metabolism/ MALE/ RATS/ STIMULATION, CHEMICAL/ THYROXINE, pharmacodynamics/ *TYROSINE, metabolism

2320. **Mahoudeau JA, Bricaire H:** Une nouvelle méthode de dosage radio-immunologique de la testostérone plasmatique.
Ann Biol Clin (Paris) 30:559-66, 1972 (Fre)
ADULT/ ANDROGENS/ ANTIBODIES, isolation & purification/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

2321. **Mahoudeau JA, Corvol P:** Rabbit testosterone-binding-globulin. I. Physico-chemical properties. Endocrinology 92:1113-9, Apr 73
ANIMAL EXPERIMENTS/ BINDING SITES/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ GEL FILTRATION/ MALE/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RABBITS/ *SERUM GLOBULINS/ *TESTOSTERONE/ TESTOSTERONE, metabolism/ TRITIUM

2322. **Mahoudeau JA, Corvol P, Bricaire H:** Rabbit testosterone-binding-globulin. II. Effect on androgen metabolism in-vivo. Endocrinology 92:1120-5, Apr 73
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ MALE/ METABOLIC CLEARANCE RATE/ PROTEIN BINDING/ RABBITS/ RADIOIMMUNOASSAY/ *SERUM GLOBULINS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TRITIUM

2323. **Main AW:** Pussy and the pill.
Med J Aust 2:1462-3, 23 Dec 72
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CATS/ *CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ MALE/ MILK/ *WIT AND HUMOR

2324. **Mainwaring WI, Wilce PA:** Further studies on the stimulation of protein synthesis in androgen-dependent tissues by testosterone.
Biocbem J 130:189-97, Nov 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHOLINE, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MALE/ MICROSOMES, analysis/ MICROSOMES, metabolism/ PHENYLALANINE, metabolism/ PHOSPHOLIPIDS, analysis/ *PROSTATE, drug effects/ PROSTATE, metabolism/ PROTEINS, analysis/ *PROTEINS, biosyntbesis/ RATS/ RNA, analysis/ *TESTOSTERONE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

2325. **Maisey MN, Moses DC, Hurley PJ, et al:** Improved methods for tbyroid scanning. A correlation with surgical findings. JAMA 223:761-3, 12 Feb 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ DIAGNOSIS, SURGICAL/ FEMALE/ GOITER, NODULAR, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ RADIOGRAPHIC MAGNIFICATION/ *RADIOISOTOPE SCANNING/ SEX FACTORS/ THYROGLOSSAL CYST, diagnosis/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, surgery/ *THYROID GLAND/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, diagnosis

2326. **Maiti BR, Ghosh A:** Probable role of androgen in the regulation of the uropygial gland.
Gen Comp Endocrinol 19:527-35, Dec 72
*ANDROGENS, pbysiology/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIFFERENTIATION/ CELL DIVISION/ CELL SURVIVAL/ DUCKS/ FEMALE/ LIPIDS, biosynthesis/ MALE/ MITOSIS/ *PIGEONS, physiology/ PUBERTY/ *SEBACEOUS GLANDS, pbysiology/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pbysiology

2327. **Maj S, Zdebska E, Daszyński J, et al:** Wolne nukleotydy leukocytów prawidłowych i w przewlekłych białaczkach.
Acta Haematol Pol 3:111-8, Apr-Jun 72 (Pol)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE DIPHOSPHATE, blood/ ADENOSINE MONOPHOSPHATE, blood/ ADENOSINE TRIPHOSPHATE, blood/ CHRONIC DISEASE/ CYTOSINE NUCLEOTIDES, blood/ ENGLISH ABSTRACT/ GUANINE NUCLEOTIDES, blood/ HUMAN/ *LEUKEMIA, blood/ LEUKEMIA, LYMPHOCYTIC, blood/ LEUKEMIA, MYELOCYTIC, blood/ *LEUKOCYTES, metabolism/ LEUKOCYTES, physiology/ NAD, blood/ NADP, blood/ *NUCLEOTIDES, blood/ PHOSPHATES, blood/ URACIL NUCLEOTIDES, blood

2328. **Maki S, Iida H, Yoshida N:** Studies on tbe adrenocortical hormone therapy in idiopathic nephrotic syndrome in children.
Med J Osaka Univ 22:259-300, Mar 72
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ INFANT/ MALE/ METYRAPONE, diagnostic use/ NEPHROSIS, drug tberapy/ NEPHROTIC SYNDROME, diagnosis/ *NEPHROTIC SYNDROME, drug therapy/ PITUITARY-ADRENAL FUNCTION TESTS/ PROGNOSIS/ RECURRENCE/ SEX FACTORS

2329. **Makino T:** Study on the intracellular mechanism of LH release in the anterior pituitary.
Am J Obstet Gynecol 115:606-14, 1 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ FSH, analysis/ GONADOTROPINS, PITUITARY, pharmacodynamics/

HYPOTHALAMUS/ IN VITRO/ LH, analysis/ *LH, metabolism/ MALE/ PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ THEOPHYLLINE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics

2330. **Makino T, Greep RO:** Tbe effect of compound F6066 on rat luteinizing bormone (LH) and follicle-stimulating hormone (FSH) release in vitro.
Fertil Steril 24:116-20, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosyntbesis/ ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ *CYCLOHEXANE/ CYCLOHEXIMIDE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *FSH, secretion/ IN VITRO/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

2331. **Makowski J, Buczyński AZ, Kiwerski J:** Kliniczna ocena przydatności Depo-Medrolu w leczeniu ostrych zespołów bólów krzyża.
Pol Tyg Lek 28:261-3, 12 Feb 73 **(Pol)**
ACETATES, therapeutic use/ ACUTE DISEASE/ ADOLESCENCE/ ADULT/ BACKACHE, diagnosis/ *BACKACHE, drug therapy/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ SYNDROME

2332. **Malatinský J, Kadlic T, Kováčik V:** Acute poisoning by higber nitrogen oxides.
Anestb Analg (Cleve) 52:94-9, Jan-Feb 73 (32 ref.)
ACIDOSIS, chemically induced/ ACIDOSIS, drug therapy/ *ANESTHESIA, INHALATION, adverse effects/ ANIMAL EXPERIMENTS/ ANOXIA, chemically induced/ BICARBONATES, therapeutic use/ CHEMISTRY/ HUMAN/ HYDROCORTISONE, therapeutic use/ LUNG, patbology/ METHEMOGLOBINEMIA, cbemically induced/ METHEMOGLOBINEMIA, drug therapy/ NITROGEN DIOXIDE, analysis/ NITROGEN DIOXIDE, poisoning/ NITROGEN OXIDES, analysis/ *NITROGEN OXIDES, poisoning/ NITROUS OXIDE, analysis/ OXYGEN, blood/ OXYGEN INHALATION THERAPY/ PULMONARY EDEMA, cbemically induced/ PULMONARY EDEMA, drug tberapy/ PULMONARY EDEMA, pathology/ REVIEW

2333. **Maldonado JE, McNutt DR, Kyle RA, et al:** IgG cryoglobulinemia associated with amyloidosis.
Blood 41:569-76, Apr 73
*AMYLOIDOSIS, complications/ AUTOANTIBODIES, analysis/ *BLOOD PROTEIN DISORDERS, complications/ BLOOD PROTEIN DISORDERS, tberapy/ BONE MARROW EXAMINATION/ CHLORAMBUCIL, therapeutic use/ *CRYOGLOBULINS, analysis/ FEMALE/ FUROSEMIDE, tberapeutic use/ HUMAN/ HYPOTHYROIDISM, complications/ IGG, analysis/ MIDDLE AGE/ PLASMAPHERESIS/ PREDNISONE, tberapeutic use/ TRIIODOTHYRONINE, tberapeutic use

2334. **Malhotra KK, Kathpalia SC:** Fabry's disease (a case report). J Assoc Physicians India 20:713-7, Sep 72
ADULT/ *ANGIOKERATOMA CORPORIS DIFFUSUM, patbology/ BIOPSY/ CASE REPORT/ HUMAN/ KIDNEY, patbology/ MALE/ SKIN, patbology/ TESTIS, patbology

2335. **Malikov AI:** Rol' antigennogo polimorfizma grupp krovi i pola v predraspolozbenii k nekotorym zabolevaniiam. Klin Med (Mosk) 50:81-3, Sep 72 **(Rus)**
*ABO FACTORS/ *CLEFT PALATE, immunology/ FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ *HEART DEFECTS, CONGENITAL, immunology/ HUMAN/ *KIDNEY CALCULI, immunology/ MALE/ *RHEUMATIC HEART DISEASE, immunology/ SEX FACTORS

2336. **Mallin SR, Walker FA:** Effects of the XYY karyotype in one of two brothers witb congenital adrenal hyperplasia. Clin Genet 3:490-4, 1972
*ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, congenital/ ADRENOGENITAL SYNDROME, familial & genetic/ ADRENOGENITAL SYNDROME, urine/ *AUTISM, EARLY INFANTILE, complications/ CELLS, CULTURED/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ LYMPHOCYTES/ MALE/ PREGNANETRIOL, urine/ *SARCOMA, OSTEOGENIC, complications/ *SEX CHROMOSOME ABNORMALITIES

2337. **Malvano R, Zucchelli GC, Rosa U, et al:** Measurement of plasma renin activity by angiotensin I radioimmunoassay: (I) an assessment of some metbodological aspects.
J Nucl Biol Med 16:24-31, Jan-Mar 72
*ANGIOTENSIN, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

2338. **Manasia M, Hărăguş S, Nana A, et al:** Sindrom Cushing secundar unei tumori maligne bronhopulmonare (sindrom Cushing paraneoplazic.
Stud Cercet Endocrinol 24:135-40, 1973 **(Rum)**
ADULT/ *BRONCHIAL NEOPLASMS, complications/ *CUSHING'S SYNDROME, etiology/ HUMAN/ *LUNG NEOPLASMS, complications/ MALE

2339. **Maneckjee R, Raj HG, Moudgal NR:** Comparative effects of antiserum to luteinizing bormone on pseudopregnancy and pregnancy induced in tbe same rat. Biol Reprod 8:43-7, Feb 73
ANIMAL EXPERIMENTS/ DECIDUA/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ESTROGENS, biosynthesis/ FEMALE/ FERTILIZATION/ HISTAMINE, pharmacodynamics/ *IMMUNE SERUMS, pharmacodynamics/ *LH, pharmacodynamics/ LIGATION/ MENSTRUATION, drug effects/ OVARY, metabolism/ *PREGNANCY, drug effects/ PROGESTERONE, biosyntbesis/ PROGESTERONE, pharmacodynamics/ *PSEUDOPREGNANCY, drug effects/ RABBITS, immunology/ RATS/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology/ WOUNDS AND INJURIES

2340. **Mange AP, Sandler L:** A note on the maternal effect mutants daugbterless and abnormal oocyte in Drosophila melanogaster. Genetics 73:73-86, Jan 73
ALLELES/ ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ *DROSOPHILA MELANOGASTER/ FEMALE/ HETEROCHROMATIN/ HOMOZYGOTE/ MALE/ *MUTATION/ *OVUM/ *RADIATION GENETICS/ SEX CHROMOSOMES

2341. **Mangnall D, Bartley W:** The effect of cortisol on postembryonic developmental changes in chick (Gallus domesticus) liver metabolism.
Comp Biochem Physiol [B] 44:69-88, 15 Jan 73
AGE FACTORS/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL NUCLEUS/ CHICKENS/ DNA, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ FRUCTOSEDIPHOSPHATE ALDOLASE, metabolism/ GLUCONEOGENESIS/ *HYDROCORTISONE, pharmacodynamics/ LIGASES, metabolism/ LIPIDS, biosynthesis/ LIVER, anatomy & histology/ LIVER, cytology/ LIVER, drug effects/ LIVER, growth & development/ *LIVER, metabolism/ LYASES, metabolism/ MALE/ OXIDOREDUCTASES, metabolism/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS, metabolism/ RNA, metabolism

342. **Mankin HJ**: What's new in surgery. Orthopedic surgery.
Surg Gynecol Obstet 136:202-6, Feb 73
BIOMEDICAL ENGINEERING/ BONE AND BONES, cytology/ BONE AND BONES, enzymology/ BONE AND BONES, metabolism/ BONE DISEASES, diagnosis/ *BONE DISEASES, surgery/ BONE NEOPLASMS, therapy/ CARTILAGE/ COLLAGEN/ CONNECTIVE TISSUE CELLS, cytology/ FRACTURE FIXATION/ HIP JOINT/ HUMAN/ JOINT DISEASES, therapy/ JOINT PROSTHESIS/ KNEE JOINT/ LYMPHOCYTES, transplantation/ LYSOSOMES, enzymology/ POLYSACCHARIDES/ SARCOMA, OSTEOGENIC, therapy/ SCOLIOSIS, therapy/ TRANSPLANTATION, HOMOLOGOUS/ ULTRASONICS, diagnostic use

343. **Mankin HJ, Norman A, Dorfman HD**: Clinico-pathologic conference. Hospital for Joint Diseases and Medical Center. June 10, 1972. "Hip pain with generalized skin lesions". Presentation of case.
Bull Hosp Joint Dis 33:116-29, Oct 72
AGED/ BONE AND BONES, pathology/ BONE DISEASES, diagnosis/ *BONE DISEASES, pathology/ BONE NEOPLASMS, diagnosis/ CARCINOMA, diagnosis/ CASE REPORT/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FEMORAL NECK FRACTURES, etiology/ FRACTURES, SPONTANEOUS, etiology/ HEPATOMEGALY, etiology/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LYMPHOMA, diagnosis/ MAST CELLS/ MULTIPLE MYELOMA, diagnosis/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, pathology/ PSEUDOXANTHOMA ELASTICUM, diagnosis/ RETICULOENDOTHELIOSIS, diagnosis/ SPLENOMEGALY, etiology/ URTICARIA PIGMENTOSA, diagnosis/ *URTICARIA PIGMENTOSA, pathology

344. **Manley SW, Bourke JR, Hawker RW**: Reversible binding of labelled and non-labelled thyrotrophin by intact thyroid tissue in vitro.
J Endocrinol 55:555-63, Dec 72
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BINDING SITES/ BIOLOGICAL ASSAY/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ GUINEA PIGS/ IN VITRO/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ SALIVARY GLANDS, metabolism/ SERUM ALBUMIN, BOVINE/ TESTIS, metabolism/ *THYROID GLAND, metabolism/ THYROTROPIN, analysis/ *THYROTROPIN, metabolism

345. **Mann T**: Advances in male reproductive physiology.
Fertil Steril 23:699-707, Oct 72 (30 ref.)
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, physiology/ CATTLE/ CELL NUCLEUS/ CYTOPLASMIC GRANULES/ EJACULATION/ FERTILITY, drug effects/ FERTILITY, radiation effects/ *GENITALIA, MALE, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INSECTS, physiology/ INSEMINATION, ARTIFICIAL/ MALE/ PROSTAGLANDINS, physiology/ *REPRODUCTION/ REVIEW/ SEMEN, cytology/ SEMINAL VESICLES, drug effects/ SEX CHROMOSOMES/ SPERMATOGENESIS/ SPERMATOZOA, cytology/ SPERMATOZOA, drug effects/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

346. **Männchen E**: Zur Bestimmung der Hormonsekretionsrate der Schilddrüse unter Ausnutzung der Beeinflussung des Schilddrüsenregelkreises durch exogene Hormonzufuhr.
Z Gesamte Inn Med 27:843-9, 1 Oct 72 (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ HALF-LIFE/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ IODINE ISOTOPES/ METHODS/ *SECRETORY RATE, drug effects/ THYROID GLAND, secretion/ *THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, secretion/ *THYROXINE, pharmacodynamics/ TIME FACTORS

2347. **Manohar M, Singh AG, Nigam JM**: Surgical technique for adrenalectomy in bovines (Bos bubalis).
Br Vet J 128:iv-ivii, Oct 72
*ADRENALECTOMY, veterinary/ ANESTHESIA, LOCAL, veterinary/ ANIMAL EXPERIMENTS/ *BUFFALOES/ MALE/ METHODS

2348. **Manokhina MS, Kuz'mina LV**: Biogenic monoamines in the central nervous system of mollusk Tritonia sp.
Neurosci Behav Physiol 5:212-8, Jul-Sep 72
ANIMAL EXPERIMENTS/ AXONS/ *BIOGENIC AMINES, metabolism/ CENTRAL NERVOUS SYSTEM, cytology/ CENTRAL NERVOUS SYSTEM, metabolism/ HISTOCYTOCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *MOLLUSCA, metabolism/ NEUROFIBRILS/ *NEURONS, metabolism/ SEROTONIN, biosynthesis/ SEROTONIN, metabolism

2349. **Manschot WA**: Pathology of hereditary juvenile retinoschisis. Arch Ophthalmol 88:131-8, Aug 72
ADOLESCENCE/ CHILD/ DARK ADAPTATION/ EYE NEOPLASMS, familial & genetic/ HUMAN/ INFANT/ MALE/ PEDIGREE/ RETINAL DEGENERATION, familial & genetic/ RETINAL DETACHMENT, familial & genetic/ *RETINAL DISEASES, familial & genetic/ RETINAL DISEASES, pathology/ RETINAL VESSELS, pathology/ RETINOBLASTOMA, familial & genetic/ SEX CHROMOSOMES/ VISUAL ACUITY/ VITREOUS BODY, pathology

2350. **Mansour TE**: Phosphofructokinase activity in skeletal muscle extracts following administration of epinephrine. J Biol Chem 247:6059-66, 10 Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CHARCOAL/ ENZYME ACTIVATION/ *EPINEPHRINE, pharmacodynamics/ FRUCTOSEPHOSPHATES/ FRUCTOSEPHOSPHATES, pharmacodynamics/ GLUCOSEPHOSPHATES/ HYDROGEN-ION CONCENTRATION/ MALE/ MUSCLES, drug effects/ *MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PHOSPHOFRUCTOKINASE/ PHOSPHOFRUCTOKINASE, antagonists & inhibitors/ PHOSPHOFRUCTOKINASE, isolation & purification/ *PHOSPHOFRUCTOKINASE, metabolism/ PROTEIN BINDING/ RABBITS/ SHEEP

2351. **Maqueo M, Mischler TW, Berman E**: The evaluation of guingestanol acetate as a low dose oral contraceptive.
Contraception 6:117-25, Aug 72
ADULT/ AMENORRHEA, chemically induced/ BIOPSY/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, chemically induced/ OVULATION, drug effects/ PREGNANCY/ QUINGESTANOL/ QUINGESTANOL, administration & dosage/ QUINGESTANOL, adverse effects/ QUINGESTANOL, pharmacodynamics/ SPECIAL LIST REPRODUCTION

2352. **Maqueo M, Rice-Wray E, Calderon JJ, et al**: Ovarian morphologyy after prolonged use of steroid contraceptive agents. Contraception 5:177-85, Mar 72
ADULT/ CHLORMADINONE, pharmacodynamics/ CONTRACEPTIVE AGENTS, pharmacodynamics/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CORPUS LUTEUM, drug effects/ CYSTS, occurrence/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GRAAFIAN FOLLICLE, drug

effects/ HUMAN/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ OVARIAN DISEASES, occurrence/ OVARY, anatomy & histology/ OVARY, drug effects/ OVARY, pathology/ PARITY/ PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, pharmacodynamics/ QUINGESTANOL, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

2353. **Maraud R, Stoll R, Vergnaud O:** Sur le mécanisme de la régression des canaux de müller provoquée par les oetrogènes chez l'embryon de poulet.
C R Soc Biol (Paris) 166:862-4, 1972 (Fre)
ANIMAL EXPERIMENTS/ BENZOATES/ CHICK EMBRYO/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ *MULLERIAN DUCTS, drug effects

2354. **March BE, Wong E, Seier L, et al:** Hypervitaminosis E in the chick. J Nutr 103:371-7, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM/ *CHICKENS, metabolism/ DEFICIENCY DISEASES, metabolism/ ERYTHROPOIESIS, drug effects/ GOITER, chemically induced/ HYPOTHYROIDISM, chemically induced/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MITOCHONDRIA, MUSCLE, metabolism/ OXYGEN CONSUMPTION/ THIOURACIL/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ VITAMIN D DEFICIENCY, metabolism/ VITAMIN E, administration & dosage/ *VITAMIN E, adverse effects/ VITAMIN E, pharmacodynamics

2355. **Marchand CR, Gomot L:** Variations annuelles de l'activité testiculaire du canard hybride issu du croisement Pékin mâle (Anas platyrhynchos L.) X femelle Barbarie (Cairina moschata L.
C R Soc Biol (Paris) 166:556-61, 1972 (Fre)
ANIMAL EXPERIMENTS/ *DUCKS, physiology/ EPIDIDYMIS, anatomy & histology/ EPIDIDYMIS, physiology/ HYBRIDIZATION/ MALE/ MEIOSIS/ ORGAN WEIGHT/ SEASONS/ SPERMATOGENESIS/ TESTIS, anatomy & histology/ *TESTIS, physiology

2356. **Marchand JC, Leroux JP, Cartier P:** The energy metabolism of human-blood polymorphonuclear cells. Action of various effectors, except hormones.
Eur J Biochem 31:483-95, 18 Dec 72
ADENINE NUCLEOTIDES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AEROBIOSIS/ ALLOSTERIC REGULATION/ ANAEROBIOSIS/ BUTYRATES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GLUCOSE, metabolism/ GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCOGEN, metabolism/ GLYCOLYSIS, drug effects/ HEXOKINASE, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODOACETATES, pharmacodynamics/ LACTATES, biosynthesis/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ NAD, metabolism/ OXYGEN CONSUMPTION/ PHOSPHOFRUCTOKINASE, metabolism/ PHOSPHOGLYCERATE KINASE, metabolism/ SODIUM, pharmacodynamics

2357. **Marchetti J, Buriet A, Boulangé M:** Variations de l'hormone antidiurétique chez des rats soumis à la métopirone.
J Physiol (Paris) 65:Suppl 1:144A, 1972 (Fre)
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CORTICOSTERONE, blood/ MALE/ *METYRAPONE, pharmacodynamics/ NATRIURESIS/ ORGAN WEIGHT/ *PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, secretion/ RATS/ VASOPRESSIN, blood/ *VASOPRESSIN, secretion/ VASOPRESSIN, urine

2358. **Marcove RC, Sadrieh J, Huvos AG, et al:** Cryosurgery in the treatment of solitary or multiple bone metastases from renal cell carcinoma. J Urol 108:540-7, Oct 72
*ADENOCARCINOMA/ ADENOCARCINOMA, pathology/ AGED/ BONE AND BONES, pathology/ BONE NEOPLASMS, pathology/ BONE NEOPLASMS, radiography/ *BONE NEOPLASMS, surgery/ *CRYOGENIC SURGERY/ FEMALE/ FEMORAL NEOPLASMS, surgery/ FRACTURE FIXATION, INTERNAL/ FRACTURES, SPONTANEOUS, surgery/ HIP, surgery/ HUMAN/ HUMERUS, surgery/ ILIUM, surgery/ JOINT PROSTHESIS/ KIDNEY, pathology/ *KIDNEY NEOPLASMS/ KIDNEY NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEPHRECTOMY/ RIBS, surgery

2359. **Marcq M, Sharma OP:** Tuberculosis of the spine: a reminder. Chest 63:403-8, Mar 73
ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ CERVICAL VERTEBRAE/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LUMBAR VERTEBRAE/ MALE/ MIDDLE AGE/ MYCOBACTERIUM TUBERCULOSIS, isolation & purification/ OSTEOMYELITIS, diagnosis/ OSTEOPOROSIS, diagnosis/ SARCOIDOSIS, diagnosis/ SPINAL INJURIES, diagnosis/ SPINAL NEOPLASMS, diagnosis/ THORACIC VERTEBRAE/ TUBERCULIN TEST/ *TUBERCULOSIS, SPINAL, diagnosis/ TUBERCULOSIS, SPINAL, drug therapy/ TUBERCULOSIS, SPINAL, radiography/ TUBERCULOSIS, SPINAL, surgery

2360. **Marcum JB, Lasley JF, Day BN:** Variability of sex-chromosome chimerism in cattle from heterosexual multiple births.
Cytogenetics 11:388-99, 1972
ANIMAL EXPERIMENTS/ CATTLE/ CELL DIVISION/ CELLS, CULTURED/ FEMALE/ *FREEMARTINISM, familial & genetic/ FREEMARTINISM, pathology/ KARYOTYPING/ LEUKOCYTES, cytology/ MALE/ MOSAICISM/ PREGNANCY/ *SEX CHROMOSOMES/ STAINS AND STAINING

2361. **Marczynska B, Pigon H:** Karyological analysis o African cane rat. Thryonomys swinderianus (Temm.)
Cytologia (Tokyo) 37:513-7, Sep 72
AFRICA/ ANIMAL EXPERIMENTS/ *CHROMOSOMES/ FEMALE/ KARYOTYPING/ MALE/ *RATS/ SEX CHROMOSOMES

2362. **Markarova OS, Geldiashvili TZ, Dzneladze NM:** rentgenologicheskie issledovaniia pri nekotorykh vrozhdennykh poroakakh polovogo razvitiia.
Probl Endokrinol (Mosk) 18:21-5, Nov-Dec 72 (Rus
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYSTEROSALPINGOGRAPHY/ INTRACRANIAL PRESSURE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ PNEUMOPERITONEUM, ARTIFICIAL/ SELLA TURCICA, radiography/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, radiography/ WRIST, radiography

2363. **(Marker RE), Lehmann PA, Bolivar A, Quintero F, Russell E. Marker:** Pioneer of the Mexican steroi industry. J Chem Educ 50:195-9, Mar 73
*DRUG INDUSTRY, history/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ MEXICO/ STEROIDS, history/ UNITED STATES

2364. **Markesbery WR, McDonald JV:** Diencephalic syndrome. Long-term survival.
Am J Dis Child 125:123-5, Jan 73

ADOLESCENCE/ *ASTROCYTOMA, complications/ ASTROCYTOMA, pathology/ ASTROCYTOMA, radiotherapy/ ASTROCYTOMA, surgery/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiotherapy/ BRAIN NEOPLASMS, surgery/ CORTISONE, therapeutic use/ *DIENCEPHALON/ *EMACIATION, complications/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ HUMAN/ MALE/ PROGNOSIS/ SYNDROME

2365. **Markovski N:** Niakoi osobenosti na Stein-Leventhal-sindrom po vreme na pubertetno-iunosheskata vuzrast.
Akush Ginekol (Sofiia) 11:327-33, 1972 (Bul)
ADOLESCENCE/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, surgery/ OVARY, surgery/ *STEIN-LEVENTHAL SYNDROME

2366. **Markovski N:** Puberteten adrenogenitalen sindrom s prinos na edin siuchaĭ.
Akush Ginekol (Sofiia) 11:232-6, 1972 (Bul)
ADOLESCENCE/ *ADRENOGENITAL SYNDROME, diagnosis/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN

2367. **Marks F, Grimm W, Krieg L:** Disturbance by tumor promotors of epidermal growth control (chalone mechanism).
Hoppe Seylers Z Physiol Chem 353:1970-2, Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ALCOHOLS/ ANIMAL EXPERIMENTS/ *CARCINOGENS, pharmacodynamics/ *CELL DIVISION, drug effects/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ *CHALONES/ CHALONES, antagonists & inhibitors/ CROTON OIL, pharmacodynamics/ *DNA, biosynthesis/ *FATTY ACIDS, pharmacodynamics/ FEMALE/ ISOPROTERENOL, antagonists & inhibitors/ MICE/ MICE, INBRED STRAINS/ RECEPTORS, DRUG, drug effects/ SKIN, drug effects/ *TERPENES, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

2368. **Marks LS, Poutasse EF:** Hypertension from renal tuberculosis: operative cure predicted by renal vein renin. J Urol 109:149-51, Feb 73
ADULT/ AMINOSALICYLIC ACID, therapeutic use/ HUMAN/ *HYPERTENSION, RENAL, etiology/ ISONIAZID, therapeutic use/ MALE/ NEPHRECTOMY/ RENAL VEINS/ *RENIN, blood/ STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, RENAL, complications/ TUBERCULOSIS, RENAL, drug therapy/ TUBERCULOSIS, RENAL, enzymology/ TUBERCULOSIS, RENAL, pathology/ TUBERCULOSIS, RENAL, radiography/ TUBERCULOSIS, RENAL, surgery

2369. **Marks LS, Poutasse EF:** Renin measurements. Use in evaluation of the renal hypertensive suspect.
Va Med Mon 100:228-34, Mar 73
ADULT/ AGED/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, surgery/ MALE/ MIDDLE AGE/ RENAL VEINS/ *RENIN, blood/ UROGRAPHY

2370. **Marks R, Pongsehirun D, Sayian T:** A method for the assay of topical corticosteroids.
Br J Dermatol 88:69-74, Jan 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, pharmacodynamics/ DNA, biosynthesis/ HYDROCORTISONE, TOPICAL, pharmacodynamics/ MALE/ MICE/ *MITOSIS, drug effects/ OCCLUSIVE DRESSINGS/ OINTMENTS, pharmacodynamics/ *SKIN, drug effects/ SKIN, metabolism

2371. **Marley E, Nistico G:** Effects of catecholamines and adenosine derivatives given into the brain of fowls.
Br J Pharmacol 46:619-36, Dec 72
*ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ *BRAIN, drug effects/ *CATECHOLAMINES, pharmacodynamics/ CATHETERIZATION/ CEREBRAL VENTRICLES/ CHICKENS/ DOPAMINE, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ NORMETANEPHRINE, pharmacodynamics/ SLEEP, drug effects

2372. **Marois M, Buvet M:** Action synergique des ions cuivre et zinc sur l'ovulation de la lapine.
C R Soc Biol (Paris) 166:535-8, 1972 (Fre)
ACETATES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *COPPER, pharmacodynamics/ DRUG SYNERGISM/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, PITUITARY, metabolism/ INJECTIONS, SUBCUTANEOUS/ *OVULATION, drug effects/ RABBITS/ *ZINC, pharmacodynamics

2373. **Marois M, Buvet M:** Action d'une injection unique d'acétate de cuivre sur la fonction ovarienne du rat.
C R Soc Biol (Paris) 166:772-4, 1972 (Fre)
ACETATES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHOLESTEROL, metabolism/ *COPPER, pharmacodynamics/ CORPUS LUTEUM, drug effects/ *ESTRUS, drug effects/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, INTRAVENOUS/ *OVARY, drug effects/ PROLACTIN, secretion/ RATS/ VAGINAL SMEARS

2374. **Marois M, Buvet M:** Action d'une administration chronique d'acétate de cuivre et d'acétate de zinc sur la fonction ovarienne du rat.
C R Soc Biol (Paris) 166:836-9, 1972 (Fre)
ACETATES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *COPPER, pharmacodynamics/ CORPUS LUTEUM, drug effects/ DRUG SYNERGISM/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ LACTATION, drug effects/ *OVARY, drug effects/ PROLACTIN, secretion/ RATS/ UTERUS, drug effects/ *ZINC, pharmacodynamics

2375. **Maroncelli P, Casalino C:** Aspetti citomorfologici, immunochimici e terapeutici del mieloma multiplo.
Minerva Med 64:337-57, 17 Feb 73 (Ita)
ADULT/ AGED/ ANTIGENIC DETERMINANTS/ BLOOD TRANSFUSION/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, analysis/ MALE/ MELPHALAN, therapeutic use/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *MULTIPLE MYELOMA/ MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, immunology/ MULTIPLE MYELOMA, pathology/ MULTIPLE MYELOMA, radiotherapy/ MULTIPLE MYELOMA, therapy/ MYELOMA PROTEINS, blood/ PLASMACYTOMA, pathology/ PREDNISONE, therapeutic use

2376. **Marotta SF, Malasanos LJ, Boonayathap U:** Inhibition of the adrenocortical response to hypoxia by dexamethasone. Aerosp Med 44:1-4, Jan 73
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ANOXIA, physiopathology/ CARBON DIOXIDE, blood/ CORTICOTROPIN RELEASING FACTOR, antagonists & inhibitors/ CORTICOTROPIN RELEASING FACTOR, secretion/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ DOGS/ *HYDROCORTISONE, secretion/ HYDROGEN-ION CONCENTRATION/

HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ HYPOTHALAMUS, drug effects/ MALE/ OXYGEN, blood/ PITUITARY GLAND, drug effects/ SODIUM CHLORIDE

2377. Marquié G, Agid R: Prévention par le diméthylbiguanide des altérations thyroïdiennes induites chez le lapin par un régime athérogène.
J Physiol (Paris) 65:Suppl:270A-271, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, complications/ CHOLESTEROL, antagonists & inhibitors/ *DIET, ATHEROGENIC/ HYPERCHOLESTEREMIA, complications/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, prevention & control/ *METFORMIN, pharmacodynamics/ RABBITS/ *THYROID GLAND, drug effects

2378. Marriq P, Vigouroux RP, Poisson J, et al: L'hypophysectomie transphénoïdale dans le traitement de la maladie de Cushing.
Nouv Presse Med 1:3203, 30 Dec 72 (Fre)
ADULT/ *CUSHING'S SYNDROME, therapy/ DIABETES INSIPIDUS, etiology/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ POSTOPERATIVE COMPLICATIONS/ SPHENOID BONE, surgery

2379. Martal J: Détermination radioimmunologique des hormones de croissance ovine et bovine. Neutralisation ou élimination des anticorps antiprolactine dans les immunsérums anti-hormone somatotrope.
C R Acad Sci [D] (Paris) 275:2379-82, 20 Nov 72 (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ CATTLE/ CROSS REACTIONS/ *IMMUNE SERUMS/ IMMUNE SERUMS, isolation & purification/ IODINE ISOTOPES/ LH/ METHODS/ *PROLACTIN/ PROTEIN BINDING/ *RADIOIMMUNOASSAY/ SHEEP/ *SOMATOTROPIN, analysis

2380. Martin BT, Nugent CA: A non-chromatographic radioimmunoassay for plasma aldosterone.
Steroids 21:169-80, Feb 73
*ALDOSTERONE, blood/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTISONE, blood/ CROSS REACTIONS/ HYDROCORTISONE, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

2381. Martin CB Jr, Murata Y, Rabin LS: Diagnostic ultrasound in obstetrics and gynecology: experience on a large clinical service.
Obstet Gynecol 41:379-86, Mar 73
ANTHROPOMETRY/ DIAGNOSTIC ERRORS/ FEMALE/ FETAL DISEASES, diagnosis/ FETAL HEART, physiology/ FETUS, growth & development/ GESTATIONAL AGE/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PLACENTA PRAEVIA, diagnosis/ PREGNANCY/ PREGNANCY IN DIABETES/ PREGNANCY, MULTIPLE/ *ULTRASONICS, diagnostic use/ UTERINE HEMORRHAGE, diagnosis

2382. Martin S, York DH, Kraicer J: Alterations in transmembrane potential of adenohypophysial cells in elevated potassium and calcium-free media.
Endocrinology 92:1084-8, Apr 73
ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ CULTURE MEDIA/ MALE/ *MEMBRANE POTENTIALS, drug effects/ *PITUITARY GLAND, drug effects/ *POTASSIUM, pharmacodynamics/ RATS

2383. Martin TJ, Greenberg PB, Michelangeli V: Synthesis of human parathyroid hormone by cultured cells: evidence for release of prohormone by some adenomata.
Clin Sci 44:1-8, Jan 73
*ADENOMA, metabolism/ CARBON ISOTOPES/ CATTLE/ CELLS, CULTURED/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, DISK/ FREEZE DRYING/ GEL FILTRATION/ HUMAN/ HYPERPARATHYROIDISM, metabolism/ HYPERPLASIA, metabolism/ LEUCINE, metabolism/ METHIONINE, metabolism/ *PARATHYROID HORMONE, biosynthesis/ PARATHYROID HORMONE, secretion/ *PARATHYROID NEOPLASMS, metabolism/ PEPTIDES, analysis/ *PROTEIN PRECURSORS secretion/ RADIOIMMUNOASSAY/ RADIOISOTOPES/ SELENIUM, metabolism

2384. Martin WR, Jasinski DR, Haertzen CA, et al: Methadone--a reevaluation.
Arch Gen Psychiatry 28:286-95, Feb 73
ADMINISTRATION, ORAL/ AFFECT, drug effects/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRUG ADDICTION/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS/ ELECTROENCEPHALOGRAPHY/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ MALE/ METHADONE, administration & dosage/ *METHADONE, pharmacodynamics/ MORPHINE, pharmacodynamics/ PITUITARY GLAND FUNCTION TESTS/ PUPIL, drug effects/ RESPIRATION, drug effects/ SLEEP, drug effects

2385. Martin-DeLeon PA: Morphologically distinctive X chromosome in the female chromosome complement of the rabbit.
Can J Genet Cytol 15:817-21, Dec 7
ANIMAL EXPERIMENTS/ FEMALE/ KARYOTYPING/ OVUM, cytology/ *RABBITS/ SEX CHROMATIN/ *SEX CHROMOSOMES

2386. Martinez JL Jr, Stadnicki SW, Schaeppi UH: -Tetrahydrocannabinol: effects of EEG and behavio of rhesus monkeys.
Life Sci [I] 11:643-51, 1 Jul
ACOUSTIC STIMULATION/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BLOOD PRESSURE, drug effects/ *CANNABIS, pharmacodynamics/ CEREBELLUM, drug effects/ *CEREBRAL CORTEX, drug effects/ CORTICAL DESYNCHRONIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HIPPOCAMPUS, drug effects/ INJECTIONS, INTRAVENOUS/ MACACA/ MALE/ MONKEYS/ MOTOR ACTIVITY, drug effects/ STEREOTAXIC TECHNICS/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics

2387. Martis L, Hall NA, Thakkar AL: Micelle formation a testosterone solubilization by sodium glycocholat
J Pharm Sci 61:1757-61, Nov 72
*BILE ACIDS AND SALTS/ *COLLOIDS/ *MACROMOLECULAR SYSTEMS/ NUCLEAR MAGNETIC RESONANCE/ OSMOLAR CONCENTRATION/ SOLUBILITY/ SURFACE-ACTIVE AGENTS/ SURFACE TENSION/ *TESTOSTERONE

2388. Martius G: Konstitutionsabhängige Beeinflussung d sportlichen Leistungsfähigkeit durch ovarielle Steroide.
Munch Med Wochenschr 115:169-73, 9 Feb 73 (Ge
BODY CONSTITUTION/ ENGLISH ABSTRACT/ *ESTROGENS, physiology/ FEMALE/ HUMAN/ MENSTRUATION/ MUSCLE TONUS/ *PHYSICAL FITNESS/ PREMENSTRUAL TENSION/ *PROGESTATIONAL HORMONES, physiology/ SPORTS/ TIME FACTORS

2389. Martoja M: Données ultrastructurales sur la localisation du calcium dnas la glande thyroïde du et du iérot.
C R Acad Sci [D] (Paris) 275:2021-4, 30 Oct 72 (Fr
ANIMAL EXPERIMENTS/ *CALCIUM, analysis/ CALCIUM, metabolism/ EPITHELIA CELLS, analysis/ HISTOCYTOCHEMISTRY/ METHODS/ MICROSCOPY, ELECTRON/ PERIODICITY/ RATS/ RODENTS/ SPECTRU

ANALYSIS/ STAINS AND STAINING/ THYROCALCITONIN, metabolism/ *THYROID GLAND, analysis

2390. **Marty R, Cain ML:** Effects of corticosteroid (dexamethasone) administration on the brain scan.
Radiology 107:117-21, Apr 73
ADULT/ AGED/ BRAIN ABSCESS, complications/ BRAIN ABSCESS, diagnosis/ BRAIN EDEMA, diagnosis/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HODGKIN'S DISEASE, complications/ HUMAN/ MALE/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ TECHNETIUM/ TOXOPLASMOSIS, complications

2391. **Mărza L, Araţel H, Bălan M:** Variaţiile funcţionale ale tiroidei şi suprarenalei în cursul reacţiilor imunologice.
Stud Cercet Endocrinol 24:95-103, 1973 (Rum)
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ BASAL METABOLISM/ DNA, analysis/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ NADP, analysis/ RATS/ RNA, analysis/ SPLEEN, analysis/ THYROID GLAND, analysis/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *TYPHOID-PARATYPHOID VACCINES/ *VACCINATION

2392. **Mason K, Blackshaw AW:** The spermatogenic cycle of the bandicoot, Isoodon macrourus.
J Reprod Fertil 32:307-8, Feb 73
ANIMAL EXPERIMENTS/ HEAT/ MALE/ *MARSUPIALIA, physiology/ *SPERMATOGENESIS/ TESTIS, pathology

2393. **Mason R, Wilkinson JS:** The thyroid gland--a review.
Aust Vet J 49:44-9, Jan 73 (52 ref.)
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CAT DISEASES/ CATS/ CATTLE/ CATTLE DISEASES/ CHOLESTEROL, blood/ DOG DISEASES/ DOGS/ HORSES/ HYPERTHYROIDISM, veterinary/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, prevention & control/ HYPOTHYROIDISM, veterinary/ IODINE, blood/ IODINE, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ PREGNANCY/ PROTEIN BINDING/ REVIEW/ SHEEP/ SHEEP DISEASES/ SWINE/ SWINE DISEASES/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, veterinary/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, diagnostic use

2394. **Maspes PE, Marossero F, Cabrini GP:** Neurophysiological tests for stereotactic identification of rhinencephalic "targets".
Schweiz Arch Neurol Neurochir Psychiatr 111:331-40, 1972
AMYGDALOID BODY, anatomy & histology/ AMYGDALOID BODY, physiology/ *BRAIN MAPPING/ ELECTRIC STIMULATION/ ELECTROCOAGULATION/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, physiopathology/ EPILEPSY, surgery/ EVOKED POTENTIALS/ HUMAN/ LIMBIC SYSTEM, anatomy & histology/ *LIMBIC SYSTEM, physiology/ LIMBIC SYSTEM, physiopathology/ LIMBIC SYSTEM, surgery/ NEUROPHYSIOLOGY/ *STEREOTAXIC TECHNICS

2395. **Massarrat S:** Effect of 131 I-labelling on various properties of nonmitochondrial aspartate transaminase from pig heart.
Z Klin Chem Klin Biochem 10:61-6, Feb 72
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ *ASPARTATE AMINOTRANSFERASE, analysis/ ASPARTATE AMINOTRANSFERASE, isolation & purification/ CYTOPLASM, enzymology/ DIALYSIS/ ELECTROPHORESIS, STARCH GEL/ ENZYME ACTIVATION, drug effects/ FEMALE/ GEL FILTRATION/ IMMUNOELECTROPHORESIS/ IODINE, pharmacodynamics/ *IODINE ISOTOPES/ *ISOTOPE LABELING/ KINETICS/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ PROTEIN BINDING, drug effects/ SWINE/ ULTRACENTRIFUGATION

2396. **Massin JP, George C, Lellouch J, et al:** Le risque d'hypothyroïdie tardive après traitement par le radio-iode de l'hyperthyroïdie de Graves-Basedow. Etude statistique pour une dose de 10 000 rads et un recul de 10 ans.
Pathol Biol (Paris) 20:965-77, Dec 72 (Fre)
ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *HYPOTHYROIDISM, etiology/ *IODINE ISOTOPES, therapeutic use/ MALE/ *RADIOTHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ STATISTICS/ TIME FACTORS

2397. **Masumura S:** The effect of aldosterone on the blood glucose concentration in rabbits.
J Physiol Soc Jap 34:437-8, Jul 72
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ DEPRESSION, CHEMICAL/ FEMALE/ GLUCOSE TOLERANCE TEST/ MALE/ POTASSIUM, blood/ RABBITS

2398. **Mathé AA, Hedqvist P, Holmgren A, et al:** Bronchial hyperreactivity to prostaglandin F 2 and histamine in patients with asthma.
Br Med J 1:193-6, 27 Jan 73
ADULT/ AEROSOLS/ *AIRWAY RESISTANCE, drug effects/ ASTHMA, chemically induced/ ASTHMA, etiology/ *ASTHMA, physiopathology/ *BRONCHI, drug effects/ CONSTRICTION/ DRUG HYPERSENSITIVITY/ FEMALE/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RESPIRATORY HYPERSENSITIVITY/ SPIROMETRY

2399. **Mathews RW, Oronsky A, Haschemeyer AE:** Effect of thyroid hormone on polypeptide chain assembly kinetics in liver protein synthesis in vivo.
J Biol Chem 248:1329-33, 25 Feb 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ KINETICS/ LIVER, anatomy & histology/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PARATHYROID GLANDS, physiology/ *PEPTIDES, metabolism/ *PROTEINS, biosynthesis/ RATS/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, blood/ THYROID HORMONES, metabolism/ THYROIDECTOMY/ *TRANSLATION, GENETIC, drug effects/ TRIIODOTHYRONINE/ *TRIIODOTHYRONINE, pharmacodynamics

2400. **Mathies JC, Lund PK:** X-ray spectrographic microanalysis of human tissues for iron and zinc.
Am J Clin Pathol 59:417-22, Mar 73
COLORIMETRY/ COMPARATIVE STUDY/ HUMAN/ *IRON, analysis/ KIDNEY, analysis/ LIVER, analysis/ METHODS/ MUSCLES, analysis/ MYOCARDIUM, analysis/ PANCREAS, analysis/ PROSTATE, analysis/ SPECTRUM ANALYSIS/ SPLEEN, analysis/ THYROID GLAND, analysis/ *ZINC, analysis

2401. **Matrova Ts, Svetoslavova E, Ialumova D:** Lipoproteinlipazna aktivnost v choveshkata platse nta.
Akush Ginekol (Sofiia) 11:114-7, 1972 (Bul)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY DISEASES, enzymology/

*LIPOPROTEIN LIPASE, metabolism/ *PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, enzymology

2402. **Matsumoto K, Yamada M, Yasue S:** [5 -reduction of testosterone and biosynthesis of androgen in the germ cells of the testis of young rats]
Clin Endocrinol (Tokyo) 20:I035-43, Dec 72 (Jap)
*ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ *GERM CELLS, metabolism/ MALE/ ORGAN CULTURE/ OXIDATION-REDUCTION/ RATS/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

2403. **Matsunaga E:** Possible genetic effects of some contraceptives. Australas Nurses J 2:9 passim, Jan 73
ABNORMALITIES, DRUG-INDUCED/ CHROMOSOME ABNORMALITIES, chemically induced/ CONTRACEPTIVES, ORAL, adverse effects/ SPECIAL LIST NURSING

2404. **Matter P 3d, Miller HW:** The amino acid composition of some cretaceous fossils.
Comp Biochem Physiol [B] 43:55-66, I5 Sep 72
*AMINO ACIDS, analysis/ BONE AND BONES, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ FISHES, analysis/ INVERTEBRATES, analysis/ KANSAS/ *PALEONTOLOGY/ PROTEINS, analysis/ REPTILES, analysis/ SQUID, analysis

2405. **Matthay RA, Hudson LD, Petty TL:** Acute lupus pneumonitis: response to azathioprine therapy.
Chest 63:117-20, Jan 73
ADOLESCENCE/ *AZATHIOPRINE, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ LUNG DISEASES, drug therapy/ *LUNG DISEASES, etiology/ LUNG DISEASES, radiography/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, radiography/ LUPUS ERYTHEMATOSUS, SYSTEMIC, radiography/ PREDNISONE, therapeutic use/ RESPIRATORY FUNCTION TESTS

2406. **Matthews EK, Williams JA:** Membrane depolarization, cyclic AMP and glycerol release by brown fat in vitro.
J Physiol (Lond) 227:17P-18P, Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BROWN FAT, drug effects/ *BROWN FAT, metabolism/ BROWN FAT, physiology/ CAPRYLATES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ FATTY ACIDS, metabolism/ *GLYCERIN, metabolism/ IN VITRO/ *MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION/ PHENYLHYDRAZINE, pharmacodynamics/ RATS/ SPECTROPHOTOMETRY/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

2407. **Matthews LS, Hirsch C:** Temperatures measured in human cortical bone when drilling.
J Bone Joint Surg [Am] 54:297-308, Mar 72
AGED/ *BONE AND BONES, surgery/ *BONE RESORPTION, etiology/ CADAVER/ COLD/ FEMALE/ FEMUR, surgery/ *HEAT/ HUMAN/ IRRIGATION/ MALE/ NECROSIS/ *ORTHOPEDIC FIXATION DEVICES/ PRESSURE

2408. **Matty AJ, Noble HM:** Hormones and water movement through the vertebrate intestine.
Hormones 3:42-64, 1972
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ ESTRADIOL, physiology/ GASTRIN, physiology/ HORMONES, physiology/ *HORMONES, physiology/ HUMAN/ HYPOPHYSECTOMY/ ILEUM, metabolism/ INSULIN, physiology/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ INTESTINES, metabolism/ *INTESTINES, physiology/ JEJUNUM, metabolism/ PITUITARY GLAND, physiology/ RATS/ SODIUM, physiology/ SPECIES SPECIFICITY/ TIME FACTORS/ VASOPRESSIN, physiology/ *WATER, metabolism

2409. **Matuchansky C, Mary JY, Bernier JJ:** Effets de la prostaglandine E 1 sur le temps de transit et les mouvements nets et unidirectionnels de l'eau et des électrolytes dans le jéjunum humain.
Biol Gastroenterol (Paris) 5:175-86, I972 (Fre)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ *INTESTINE, SMALL, metabolism/ JEJUNUM, metabolism/ MALE/ METHODS/ MIDDLE AGE/ PERFUSION/ *PROSTAGLANDINS, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE, drug effects

2410. **Matveev MP, Sukhanberdina FKh:** vliianie steroidnoi terapii na ékskretsiiu aminokislot s mochoĭ u deteĭ s nefroticheskoĭ formoĭ glomerulonefrita.
Vopr Okhr Materin Det 17:32-5, Jul 72 (Rus)
*AMINO ACIDS, urine/ CHILD/ ENGLISH ABSTRACT/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, urine/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN

2411. **Mauléon P:** Genetic differences in the number of germinal cells during oogenesis and in the establishment of folliculogenesis in the rat.
J Reprod Fertil 31:511-2, Dec 72
ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ FEMALE/ *GENITALIA, FEMALE, embryology/ *GRAAFIAN FOLLICLE, growth & development/ MITOSIS/ *OVUM, growth & development/ PREGNANCY/ RATS

2412. **Maurer HR:** Cleavage of ATP by mouse uterine chromatin after in vivo administration of oestradiol.
Z Naturforsch [B] 27:1267-70, Oct 72
ADENINE NUCLEOTIDES, isolation & purification/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL-FREE SYSTEM/ *CHROMATIN, antagonists & inhibitors/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ MICE, INBRED STRAINS/ PHOSPHORUS ISOTOPES/ RNA, biosynthesis/ UTERUS, metabolism

2413. **Maurer W, Volkwein U, Tamm J:** The effect of intravenously administered human chorionic gonadotrophin on plasma levels of testosterone and 5 -dihydrotestosterone in normal male subjects.
Acta Endocrinol (Kbh) 72:615-24, Mar 73
ADULT/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ *STANOLONE, blood/ *TESTOSTERONE, blood/ TIME FACTORS

2414. **Mauss J:** Die Auswirkungen der cytostaticabehandlung auf den andrologischen Befund.
Arch Dermatol Forsch 244:437-9, I972 (Ger
ANIMAL EXPERIMENTS/ CYCLOPHOSPHAMIDE, administration & dosage/ HUMAN/ MALE/ *METHOTREXATE, adverse effects/ MICE/ PODOPHYLLIN, pharmacodynamics/ RATS/ SEMEN, drug effects/ SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ *STERILITY, MALE, chemically induced/ TESTIS, drug effects/ TIME FACTORS/ *TRIAZIQUONE, pharmacodynamics/ TRIETHYLENE MELAMINE, pharmacodynamics

2415. **Mauvais-Jarvis P:** Données thérapeutiques actuelles concernant les mastodynies et les mastopathies bénignes. Therapeutique 48:575-8, Nov 72 (Fre

ANDROGENS, adverse effects/ *BREAST DISEASES, drug therapy/ DIURETICS, adverse effects/ DIURETICS, therapeutic use/ EDEMA, drug therapy/ FEMALE/ HUMAN/ LYNESTRENOL, therapeutic use/ PLACEBOS/ *PROGESTATIONAL HORMONES, therapeutic use/ *PROGESTERONE, therapeutic use/ TRANQUILIZING AGENTS, adverse effects/ TRANQUILIZING AGENTS, therapeutic use

2416. **Mauvais-Jarvis P, Charransol G, Bobas-Masson F:** Simultaneous determination of urinary androstanediol and testosterone as an evaluation of human androgenicity.
J Clin Endocrinol Metab 36:452-9, Mar 73
*ACNE, urine/ ADULT/ *ANDROSTANES, urine/ CARBON ISOTOPES/ CHROMATOGRAPHY, GAS/ FEMALE/ *HIRSUTISM, urine/ HUMAN/ HYDROLYSIS/ MALE/ METHODS/ *TESTICULAR FEMINIZATION, urine/ *TESTOSTERONE, urine/ TRITIUM

2417. **May PB, Donabedian RK:** Thyrotropin releasing hormone (TRH) mediated thyroid-stimulating hormone (TSH) release from human anterior pituitary tissue in vitro.
J Clin Endocrinol Metab 36:605-7, Mar 73
ADENOMA, CHROMOPHOBE, metabolism/ FEMALE/ HUMAN/ MALE/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, radiation effects/ PITUITARY NEOPLASMS, metabolism/ RADIATION EFFECTS/ *THYROTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

2418. **Mayer D, Petrosilius U, Voges A:** Zur Regulation der Cholesterin-7-alpha-Hydroxylase-Aktivität.
Hoppe Seylers Z Physiol Chem 353:1550, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ BILE/ CHOLESTEROL/ CHOLESTYRAMINE, pharmacodynamics/ CHOLIC ACID, pharmacodynamics/ CIRCADIAN RHYTHM/ FASTING/ *HYDROXYLASES, metabolism/ *PITUITARY GLAND, physiology/ RATS/ TISSUE EXTRACTS, pharmacodynamics

2419. **Mayne V, McCredie D:** Rickets in Melbourne.
Med J Aust 2:873-5, 14 Oct 72
AUSTRALIA/ BREAST FEEDING/ CHILD/ EMIGRATION AND IMMIGRATION/ ETHNIC GROUPS/ GREECE/ HEALTH EDUCATION/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE, DISEASES, occurrence/ ITALY/ LEBANON/ RICKETS, blood/ RICKETS, drug therapy/ *RICKETS, occurrence/ RICKETS, prevention & control/ RICKETS, radiography/ SCURVY/ VITAMIN D, therapeutic use/ YUGOSLAVIA

2420. **Mayrhofer E, Klieber M:** Diabeteshäufigkeit bei Patienten mit arteriosklerotischen Beinarterienerschlüssen.
Wien Klin Wochenschr 84:843-6, 29 Dec 72 (Ger)
ADMINISTRATION, ORAL/ AGED/ ARTERIOSCLEROSIS OBLITERANS, blood/ *ARTERIOSCLEROSIS OBLITERANS, etiology/ BODY WEIGHT/ CORTISONE, diagnostic use/ DIABETIC ANGIOPATHIES, blood/ *DIABETIC ANGIOPATHIES, complications/ ENGLISH ABSTRACT/ GLUCOSE, administration & dosage/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LEG, blood supply/ LIPIDS, blood/ MIDDLE AGE/ TOLBUTAMIDE, diagnostic use

2421. **Mazzolli AB, Fainboim L:** Acción de factores solubles linfocitarios sobre el tubulo seminífero aislado in vitro.
Medicina (B Aires) 32:437-43, Sep-Oct 72 (Spa)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, immunology/ GUINEA PIGS/ *LYMPHOCYTES, immunology/ MALE/ SPERMATOZOA, immunology/ *TESTIS, immunology

2422. **Medak H, Buriakow P, Cohen L, et al:** Correlation of cytology and clinical findings in pemphigus vulgaris.
J Oral Med 28:4-13, Jan-Mar 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHEEK, pathology/ CYTODIAGNOSIS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MOUTH DISEASES, diagnosis/ MOUTH DISEASES, drug therapy/ MOUTH DISEASES, immunology/ *MOUTH DISEASES, pathology/ PALATE, pathology/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ PEMPHIGUS, immunology/ *PEMPHIGUS, pathology/ PREDNISONE, therapeutic use/ SKIN MANIFESTATIONS/ TONGUE DISEASES, pathology

2423. **Medel M, Espinoza C, Zipper J, et al:** Reversibility of the contraceptive action of copper and zinc in the rat and rabbit. Contraception 6:241-7, Sep 72
ANIMAL EXPERIMENTS/ COPPER/ COPPER, pharmacodynamics/ CORPUS LUTEUM, drug effects/ FEMALE/ FERTILITY, drug effects/ INTRAUTERINE DEVICES/ NIDATION, drug effects/ POLYETHYLENES/ PREGNANCY/ RABBITS/ RATS/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ ZINC/ ZINC, pharmacodynamics

2424. **Meffert O, Weber HG:** Beitrag zur Skelettmanifestations des primären Hyperparathyreoidismus.
Bruns Beitr Klin Chir 219:650-7, 1972 (Ger)
ARM/ BONE CYST, radiography/ *BONE DISEASES, radiography/ BONE RESORPTION/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GRANULOMA, REPARATIVE GIANT CELL/ HAND/ HUMAN/ *HYPERPARATHYROIDISM, radiography/ LEG/ OSTEOPOROSIS, radiography/ PELVIC BONES/ SHOULDER

2425. **Meites J, Lu KH, Wuttke W, et al:** Recent studies on functions and control of prolactin secretion in rats.
Recent Prog Horm Res 28:471-526, 1972
AGING/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, physiology/ CATECHOLAMINES, pharmacodynamics/ CORPUS LUTEUM/ ERGOLINES, pharmacodynamics/ ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ ESTRUS/ FEMALE/ HYPOTHALAMUS, physiology/ LACTATION/ MALE/ MAMMAE, growth & development/ MAMMARY NEOPLASMS, EXPERIMENTAL/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ PITUITARY GLAND, drug effects/ PROLACTIN, physiology/ *PROLACTIN, secretion/ PSEUDOPREGNANCY/ RATS/ REVIEW/ THYROXINE, pharmacodynamics

2426. **Meizel S:** Biochemical detection and activation of an inactive form of a trypsin-like enzyme in rabbit testes.
J Reprod Fertil 31:459-62, Dec 72
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ DIALYSIS/ ENZYME ACTIVATION/ MALE/ PANCREAS, enzymology/ RABBITS/ SULFURIC ACIDS/ *TESTIS, enzymology/ TRYPSIN, analysis/ *TRYPSIN, metabolism

2427. **Melander A, Sundler F, Ingbar SH:** Effect of polyphloretin phosphate on the induction of thyroid hormone secretion by various thyroid stimulators.
Endocrinology 92:1269-73, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ COLLOIDS/ DRUG SYNERGISM/ FEMALE/ *IODINE, blood/ IODINE ISOTOPES/ ISOPROTERENOL, pharmacodynamics/ LONG-ACTING THYROID STIMULATOR, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ *PHLORETIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ THYROTROPIN,

antagonists & inhibitors/ THYROXINE, pharmacodynamics

2428. **Melby JC, Dale SL, Grekin RJ, et al:** 18-Hydroxy-11-deoxycorticosterone (18-OH-DOC) secretion in experimental and human hypertension.
Recent Prog Horm Res 28:287-351, 1972
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ CUSHING'S SYNDROME, physiopathology/ DEXAMETHASONE, pharmacodynamics/ DIET/ DOGS/ FEMALE/ HUMAN/ *HYDROXYCORTICOSTEROIDS, secretion/ HYDROXYCORTICOSTEROIDS, urine/ HYPERALDOSTERONISM, physiopathology/ *HYPERTENSION, physiopathology/ ISOTOPE LABELING/ KETOSTEROIDS, secretion/ KETOSTEROIDS, urine/ MALE/ METHODS/ *PREGNANES, secretion/ PREGNANES, urine/ RATS/ REVIEW/ SODIUM, pharmacodynamics/ STEROID HYDROXYLASES/ STEROID HYDROXYLASES, antagonists & inhibitors/ TRITIUM

2429. **Meller J:** Determinants of sexual behaviour in the assessment of sexual deviations.
S Afr Med J 46:2013-6, 23 Dec 72 (24 ref.)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ COURTSHIP/ FEMALE/ HUMAN/ IDENTIFICATION (PSYCHOLOGY)/ INFANT/ INTERPERSONAL RELATIONS/ MALE/ MORALS/ PHYSICIAN-PATIENT RELATIONS/ PSYCHOSEXUAL DEVELOPMENT/ REVIEW/ *SEX BEHAVIOR/ SEX BEHAVIOR, ANIMAL/ SEX DETERMINATION/ *SEX DEVIATION/ SEX DEVIATION, therapy/ SEX OFFENSES/ SEX REVERSAL, GONADAL/ TABOO

2430. **Mello AR de, Mattos JP de, Cavalcanti JL de:** Polirradiculoneurites de evolução prolongada. A propósito de dois casos corticóide-dependentes.
Arq Neuropsiquiatr 30:335-9, Dec 72 (Por)
ADOLESCENCE/ ADULT/ CHRONIC DISEASE/ *DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *POLYRADICULITIS/ POLYRADICULITIS, drug therapy/ TIME FACTORS

2431. **Mello Filho A:** Contribuição à terapêtica do micetoma nocardiósico.
Rev Assoc Med Bras 18:435-40, Nov 72 (Por)
ADULT/ *DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *MADUROMYCOSIS, drug therapy/ MALE/ *SULFADIAZINE, therapeutic use

2432. **Mellor DJ, Slater JS:** Daily changes in foetal urine and relationships with amniotic and allantoic fluid and maternal plasma during the last two months of pregnancy in conscious, unstressed ewes with chronically implanted catheters.
J Physiol (Lond) 227:503-25, Dec 72
AMINO ACIDS, urine/ *AMNIOTIC FLUID, analysis/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *BODY FLUIDS, analysis/ CHLORIDES, urine/ FEMALE/ FETAL MEMBRANES/ *FETUS, physiology/ FRUCTOSE, urine/ GESTATIONAL AGE/ GLUCOCORTICOIDS, physiology/ GLYCOSURIA/ HYDROGEN-ION CONCENTRATION/ MATERNAL-FETAL EXCHANGE/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ PREGNANCY/ *SHEEP, physiology/ SODIUM, urine/ UREA, urine/ URINARY CATHETERIZATION/ *URINE, analysis/ VASOPRESSIN, secretion

2433. **Mellsop G, Whittingham S, Ungar B:** Schizophrenia and autoimmune serological reactions.
Arch Gen Psychiatry 28:194-6, Feb 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ ANTINUCLEAR FACTORS/ *AUTOANTIBODIES/ *AUTOIMMUNE DISEASES/ ERYTHROCYTES, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IMMUNITY, CELLULAR/ INTRINSIC FACTOR/ LATEX FIXATION TESTS/ LEUKOCYTES, immunology/ LYMPHOCYTES, immunology/ MICE/ MIDDLE AGE/ MITOCHONDRIA, immunology/ MUSCLE, SMOOTH, immunology/ RATS/ SCHIZOPHRENIA, blood/ *SCHIZOPHRENIA, immunology/ SHEEP, immunology/ THYROID GLAND, immunology

2434. **Mel'nikova TA, Gromova EG:** O serotonine pri éksperimental'nom infarkte miokarda i v usloviiakh ego farmakoterapii PABK i malabenom.
Farmakol Toksikol 36:26-8, Jan-Feb 73 (Rus)
*AMINOBENZOIC ACID, therapeutic use/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *MALONATES, therapeutic use/ *MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, drug therapy/ RABBITS/ *SEROTONIN, blood

2435. **Melotte G:** Depot corticosteroid preparations in hay fever.
Practitioner 210:282-5, Feb 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ DELAYED-ACTION PREPARATIONS/ FEMALE/ *HAY FEVER, drug therapy/ HUMAN/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ SEASONS/ *TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, therapeutic use

2436. **Melvin KE, Tashjian AH Jr, Miller HH:** Studies in familial (medullary) thyroid carcinoma.
Recent Prog Horm Res 28:399-470, 1972
CALCIUM, blood/ CALCIUM, diagnostic use/ CARCINOMA, enzymology/ *CARCINOMA, familial & genetic/ CARCINOMA, metabolism/ CARCINOMA, physiopathology/ CARCINOMA, therapy/ CORTICOTROPIN, secretion/ GENETICS/ GLUCAGON, diagnostic use/ HISTAMINASE, blood/ HUMAN/ MUCOUS MEMBRANE/ NEUROMA/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, physiopathology/ PHEOCHROMOCYTOMA/ PROSTAGLANDINS, analysis/ REVIEW/ SEROTONIN, analysis/ THYROCALCITONIN, metabolism/ THYROCALCITONIN, secretion/ THYROID NEOPLASMS, enzymology/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, metabolism/ THYROID NEOPLASMS, physiopathology/ THYROID NEOPLASMS, therapy/ THYROIDECTOMY

2437. **Menaker L, Navia JM:** Appetite regulation in the rat under various physiological conditions: the role of dietary protein and calories.
J Nutr 103:347-52, Mar 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *APPETITE REGULATION/ BODY WEIGHT/ *DIETARY PROTEINS/ DIETARY PROTEINS, administration & dosage/ FEEDING BEHAVIOR/ FEMALE/ LACTATION/ MATERNAL-FETAL EXCHANGE/ METABOLISM/ *PREGNANCY/ PREGNANCY COMPLICATIONS/ PROTEIN DEFICIENCY, physiopathology/ PROTEINS, pharmacodynamics/ RATS/ STRESS

2438. **Menard RH, Purvis JL:** Studies of cytochrome P-450 in testis microsomes.
Arch Biochem Biophys 154:8-18, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIRDS/ CARBON ISOTOPES/ CARBON MONOXIDE, pharmacodynamics/ CHICKENS/ *CYTOCHROME P-450, metabolism/ GONADOTROPINS, pharmacodynamics/ IN VITRO/ KINETICS/ LIPIDS/ MICE/ *MICROSOMES, enzymology/ MICROSOMES, metabolism/ NADP/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ PEROXIDES/ PROGESTERONE, metabolism/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROID HYDROXYLASES, analysis/ STEROID HYDROXYLASES, antagonists &

inhibitors/ SULFITES, pharmacodynamics/ *TESTIS, cytology/ TESTIS, enzymology

2439. **Menchaca Montano JR, Garciá Revalderia ML:** Biopsia por punción del tiroides: resultados en 400 casos.
Rev Clin Esp 127:807-10, 15 Nov 72 (Spa)
*BIOPSY, NEEDLE/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ METHODS/ *THYROIDITIS, LYMPHOMATOUS, diagnosis

2440. **Mendelsohn ML, Mayall BH, Bogart E, et al:** DNA content and DNA-based centromeric index of the 24 human chromosomes.
Science 179:1126-9, 16 Mar 73
ADULT/ BLOOD CELLS, analysis/ BLOOD CELLS, cytology/ *CHROMOSOMES, analysis/ CHROMOSOMES, HUMAN, 1-3, analysis/ CHROMOSOMES, HUMAN, 4-5, analysis/ CHROMOSOMES, HUMAN, 6-12, analysis/ CHROMOSOMES, HUMAN, 13-15, analysis/ CHROMOSOMES, HUMAN, 16-18, analysis/ CHROMOSOMES, HUMAN, 19-20, analysis/ CHROMOSOMES, HUMAN, 21-22, analysis/ *DNA, analysis/ HUMAN/ KARYOTYPING/ MALE/ SEX CHROMOSOMES, analysis/ STAINS AND STAINING

2441. **Mendez E, Frangione B, Franklin EC:** Structure of immunoglobulin A. Amino acid sequence of cysteine-containing peptides from the J chain.
Biochemistry 12:1119-24, 13 Mar 73
ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYSTEINE, analysis/ DANSYL COMPOUNDS/ DISULFIDES/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GENES/ GENETICS, BIOCHEMICAL/ HUMAN/ *IGA, analysis/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IMMUNOGLOBULINS, J CHAIN, analysis/ IMMUNOGLOBULINS, J CHAIN, isolation & purification/ MOLECULAR WEIGHT/ MYELOMA PROTEINS, analysis/ OXIDATION-REDUCTION/ PEPSIN/ THIOCYANATES/ TRYPSIN

2442. **Mendoza D, Arimura A, Schally AV:** Ultrastructural and light microscopic observations of rat pituitary LH-containing gonadotrophs following injection of synthetic LH-RH.
Endocrinology 92:1153-60, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ FSH, blood/ IMMUNOCHEMISTRY/ *LH/ LH, blood/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PEROXIDASES/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

2443. **Meng W, Meng S:** Diagnostik und Therapie des endogenen Hyperkortisolismus (Cushing-Syndrom.
Z Aerzti Fortbild (Jena) 66:1025-31, 15 Oct 72 (Ger)
ADRENALECTOMY/ ADULT/ CORTICOTROPIN, diagnostic use/ *CUSHING'S SYNDROME/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, surgery/ DDD, therapeutic use/ DEXAMETHASONE, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ METYRAPONE, diagnostic use

2444. **Menon KM:** Purification and properties of a protein kinase from bovine corpus luteum that is stimulated by cyclic adenosine 3',5'-monophosphate and luteinizing hormone.
J Biol Chem 248:494-501, 25 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, enzymology/ ESTRUS/ FEMALE/ GEL FILTRATION/ HISTONES/ HYDROGEN-ION CONCENTRATION/ *LH/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, antagonists & inhibitors/ *PHOSPHOTRANSFERASES, isolation & purification/ PROTEIN BINDING/ PROTEINS/ SPECTROPHOTOMETRY/ SUBCELLULAR FRACTIONS, enzymology/ TEMPERATURE/ TRITIUM

2445. **Merchante Iglesias A, Rubio Pérez P, Abad Alonso JA, et al:** Diabétes insípida secundaria a eritroleucemia.
Rev Clin Esp 126:429-32, 15 Sep 72 (Spa)
CASE REPORT/ *DIABETES INSIPIDUS, etiology/ *ERYTHROLEUKEMIA, complications/ HUMAN/ MALE/ MIDDLE AGE

2446. **Merimee TJ, Fineberg SE:** Pancreatic compartmentalization of insulin. Evidence for pituitary control.
Diabetes 22:25-9, Jan 73
ARGININE, administration & dosage/ ARGININE, pharmacodynamics/ BLOOD SUGAR, analysis/ DIETARY PROTEINS, metabolism/ DWARFISM, drug therapy/ DWARFISM, metabolism/ GLUCAGON, administration & dosage/ GLUCAGON, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ *INSULIN, secretion/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ SOMATOTROPIN, pharmacodynamics/ *SOMATOTROPIN, physiology/ SOMATOTROPIN, secretion/ SOMATOTROPIN, therapeutic use/ STIMULATION, CHEMICAL/ TOLBUTAMIDE, administration & dosage/ TOLBUTAMIDE, pharmacodynamics

2447. **Merkulov MF, Leskova SG, Kortukov EV, et al:** O vozmozhnykh prichinakh povysheniia fona v tritievykh avtoradiogrammakh pro dlitel'nykh ékspozitsiiakh.
Tsitologiia 15:111-4, Jan 73 (Rus)
*AUTORADIOGRAPHY/ METHODS/ NEOPLASMS, EXPERIMENTAL, pathology/ OVARIAN NEOPLASMS, pathology/ TIME FACTORS/ *TRITIUM

2448. **Merrick MV, Lavender JP:** Whole-body scanning for tumour localization.
Br J Radiol 46:159, Feb 73
HUMAN/ NEOPLASM METASTASIS/ *NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ THYROID NEOPLASMS, diagnosis

2449. **Merrill LK, Board JA, Lee HM:** Complications of pregnancy after renal transplantation including a report of spontaneous uterine rupture.
Obstet Gynecol 41:270-4, Feb 73
ABORTION, etiology/ BIRTH WEIGHT/ FEMALE/ GRAFT REJECTION/ HUMAN/ INFANT, PREMATURE/ *KIDNEY, transplantation/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RUPTURE, SPONTANEOUS/ TRANSPLANTATION, HOMOLOGOUS/ *UTERINE RUPTURE, chemically induced

2450. **Mertin J, Koczorek KR, Backmund H:** Erste Erfahrungen über die Wirksamkeit hoher Dosen von Aldosteron und Spirolactone-Derivaten bei der Therapie der Multiplen Sklerose.
Z Neurol 202:217-28, 1972 (Ger)
ADULT/ *ALDOSTERONE, administration & dosage/ ALDOSTERONE, adverse effects/ BLOOD PRESSURE DETERMINATION/ BODY WEIGHT/ CHRONIC DISEASE/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ELECTROLYTES, blood/ ELECTROLYTES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ *MULTIPLE SCLEROSIS, drug therapy/ PILOT PROJECTS/ PLANT AGGLUTININS/ *SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE,

adverse effects/ VOMITING, chemically induced

2451. **Mestechkina AIa, Kalins'ka LM:** Vmist bilkiv ta ikh reaktyvnykh hrup u m'iazakh krolykiv pislia vvedennia hidrokortyzonu.
Fiziol Zh 19:74-9, 1973 (Ukr)
ANIMAL EXPERIMENTS/ HYDROCORTISONE, pharmacodynamics/ *MUSCLE PROTEINS, analysis/ RABBITS/ SULFHYDRYL COMPOUNDS, analysis

2452. **Metcalf MG:** Hydrolysis and decomposition of urinary pregnanediol in acid. Steroids 21:193-203, Feb 73
ACIDS/ CHROMATOGRAPHY, GAS/ GLUCURONIDASE/ HUMAN/ HYDROLYSIS/ KINETICS/ PREGNANCY/ *PREGNANEDIOL, urine/ SULFATES/ TIME FACTORS

2453. **Metz T, Nogaj U, Kröner H, et al:** Untersuchungen über die Regulation der Serin-Gluconeogenese unter Hormon- und Diäteinfluss.
Hoppe Seylers Z Physiol Chem 353:1550, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ *BETAMETHASONE, pharmacodynamics/ CARBOXY-LYASES, metabolism/ *DIETARY PROTEINS, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ IN VITRO/ LIVER, enzymology/ PERFUSION/ PYRUVATES/ QUINOLINES, pharmacodynamics/ RATS/ *SERINE, metabolism/ STARVATION/ UREA, biosynthesis

2454. **Meyenberg H:** Zur Ultraschalldiagnostik der Blasenmole.
Med Klin 68:78-80, 19 Jan 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, etiology/ GESTATIONAL AGE/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, diagnosis/ METHODS/ PREGNANCY/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, diagnosis

2455. **Meyer C, Otteni F, Dufour A, et al:** L'allergie aux antienzymes. Lyon Chir 68:200-1, May-Jun 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ CHRONIC DISEASE/ *DRUG HYPERSENSITIVITY/ HUMAN/ *KALLIKREIN-TRYPSIN INACTIVATOR, adverse effects/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ MALE/ MIDDLE AGE/ *PANCREATITIS, drug therapy/ SKIN TESTS

2456. **Meyer DK, Rauscher W, Peskar B, et al:** The mechanism of the drinking response to some hypotensive drugs: activation of the renin-angiotensin system by direct or reflex-mediated stimulation of -receptors.
Naunyn Schmiedebergs Arch Pharmacol 276:13-24, 1973
*ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ DOPAMINE, pharmacodynamics/ *DRINKING BEHAVIOR, drug effects/ ISOPROTERENOL, pharmacodynamics/ MALE/ PEMPIDINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, NEURAL, drug effects/ *RENIN, blood/ RESERPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ TRIMETHIDINIUM COMPOUNDS, pharmacodynamics

2457. **Meyer JS, Hutton WE, Kenny AD:** Medullary carcinoma of thyroid gland. Subcellular distribution of calcitonin and relationship between granules and amyloid.
Cancer 31:433-41, Feb 73
ADULT/ AGED/ *AMYLOID, analysis/ BIOLOGICAL ASSAY/ *CARCINOMA, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASMIC GRANULES/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES/ NEOPLASM PROTEINS, analysis/ *THYROCALCITONIN, analysis/ *THYROID NEOPLASMS, metabolism

2458. **Meyer P:** Palpatorische Befunde zum Descensus testis beim Deutsch Kurzhaar.
Dtsch Tieraerztl Wochenschr 19:590-7, 1 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ *DOGS, physiology/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MORPHOGENESIS/ PALPATION, veterinary/ *TESTIS, physiology

2459. **Meyers NA:** Peritoneography. Normal and pathologic anatomy.
Am J Roentgenol Radium Ther Nucl Med 117:353-65, Feb 73
ABDOMINAL WALL/ ADULT/ AGED/ BLADDER, radiography/ CATHETERIZATION/ DIAPHRAGM, radiography/ DIATRIZOATE, administration & dosage/ FEMALE/ FLUOROSCOPY/ GALLBLADDER, radiography/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ INTESTINE, SMALL, radiography/ LIGAMENTS, radiography/ LIVER, radiography/ MALE/ METHODS/ MIDDLE AGE/ NITROUS OXIDE, administration & dosage/ OMENTUM, radiography/ OVARY, radiography/ PANCREAS, radiography/ *PERITONEUM, radiography/ PNEUMOPERITONEUM, ARTIFICIAL/ PUNCTURES/ SPLEEN, radiography/ STOMACH, radiography/ *TECHNOLOGY, RADIOLOGIC/ UTERUS, radiography

2460. **Michael RP, Zumpe D, Keverne EB, et al:** Neuroendocrine factors in the control of primate behavior. Recent Prog Horm Res 28:665-706, 1972
*ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BABOONS/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ CHEMISTRY/ *ESTRADIOL, pharmacodynamics/ GROOMING/ MACACA/ MENSTRUATION/ MONKEYS/ PHEROMONES/, *PROGESTERONE, pharmacodynamics/ REVIEW/ SEX BEHAVIOR, ANIMAL, drug effects/ VAGINA, secretion

2461. **Michaelis E, Mortier W:** Association of hypertelorism and hypospadias--the BBB-syndrome.
Helv Paediatr Acta 27:575-81, Dec 72
*ABNORMALITIES, MULTIPLE/ AUTOSOME ABNORMALITIES, diagnosis/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ *CRANIOFACIAL DYSOSTOSIS, familial & genetic/ CRYPTORCHISM, familial & genetic/ EAR, EXTERNAL, abnormalities/ GENETIC COUNSELING/ HUMAN/ *HYPOSPADIAS, familial & genetic/ MALE/ MENTAL RETARDATION, familial & genetic/ PEDIGREE/ SYNDROME

2462. **Michal F, Born GV, Mester L, et al:** Effect of 5-hydroxytryptamine on the potassium ion exchange of human platelets enriched in sialic acid.
Biochem J 129:977-8, Oct 72
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLOOD PLATELETS, drug effects/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ CENTRIFUGATION/ HUMAN/ IN VITRO/ ION EXCHANGE/ *NEURAMINIC ACIDS, pharmacodynamics/ *POTASSIUM, metabolism/ *SEROTONIN, pharmacodynamics

2463. **Michel-Briand Y, Raynal M:** Détermination des caractéristiques d'un inducteur, nécessaires à son interaction avec un répresseur chez Pseudomonas testosteroni.
C R Soc Biol (Paris) 166:565-72, 1972 (Fre)
ANDROSTANES, metabolism/ *ENZYME INDUCTION/ *ENZYME REPRESSION/ *HYDROXYSTEROID DEHYDROGENASE, biosynthesis/ *ISOMERASES, biosynthesis/ KETOSTEROIDS, metabolism/ KINETICS/ MOLECULAR CONFORMATION/ POLYCYCLIC COMPOUNDS, metabolism/ PREGNANES, metabolism/ *PSEUDOMONAS, enzymology/ PSEUDOMONAS, metabolism/ *TESTOSTERONE, metabolism

2464. **Michele M:** Phénomènes d'atrésie ovarienne observé au cours de la différenciation sexuelle de la saupe Boops salpa Linné, poisson téléostéen (Sparidae
C R Soc Biol (Paris) 166:906-8, 1972 (Fre

FEMALE/ *FISH DISEASES/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, growth & development/ HERMAPHRODITISM/ MALE/ *OVARY, abnormalities/ OVUM, growth & development/ *SEX DIFFERENTIATION DISORDERS

2465. **Michlmayr G, Günther R, Lederer B, et al:** Malignes Lymphom nach zweijähriger immunsuppressiver Therapie einer Periarteriitis nodosa.
Med Klin 68:180-2, 9 Feb 73 **(Ger)**
AGAMMAGLOBULINEMIA, complications/ *AZATHIOPRINE, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, chemically induced/ HUMAN/ MIDDLE AGE/ PERIARTERITIS NODOSA, complications/ *PERIARTERITIS NODOSA, drug therapy/ *PREDNISOLONE, adverse effects/ TIME FACTORS

2466. **Middleditch BS, Desiderio DM:** Gas chromatography of prostaglandin heptafluorobutyrate methyl esters.
Prostaglandins 2:195-8, Sep 72
BUTYRATES, analysis/ CHROMATOGRAPHY, GAS/ ESTERS/ FLUORINE/ IN VITRO/ MASS SPECTRUM ANALYSIS/ METHODS/ PROSTAGLANDINS, analysis/ SPECIAL LIST REPRODUCTION/ TEMPERATURE

2467. **Middleditch BS, Desiderio DM:** Gas-liquid chromotography of trimethylsilyl and alkyl oxime-trimethylsilyl derivatives of some prostaglandins. Prostaglandins 2:115-21, Aug 72
CHROMATOGRAPHY, GAS/ MASS SPECTRUM ANALYSIS/ OXIMES/ PROSTAGLANDINS, analysis/ SILICON/ SPECIAL LIST REPRODUCTION/ TEMPERATURE

2468. **Midwinter A, Bowen M, Shepherd A:** Continuous intrauterine infusion of prostaglandin E 2 for termination of pregnancy.
J Obstet Gynaecol Br Commonw 79:807-9, Sep 72
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ INJECTIONS/ PAIN/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS/ UTERUS

2469. **Mier PD, Hurk J van den:** Cyclic 3',5'-adenosine monophosphate-dependent protein kinase of skin. I. Measurement and properties.
Br J Dermatol 87:571-6, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ KINETICS/ MICE/ *PHOSPHOTRANSFERASES, metabolism/ *SKIN, enzymology/ STIMULATION, CHEMICAL

2470. **Mier PD, Hurk J van den, Holla SW, et al:** Cyclic 3',5'-adenosine monophosphate-dependent protein kinase of skin. II. Levels in atopic dermatitis and psoriasis. Br J Dermatol 87:577-9, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BIOPSY/ *DERMATITIS, ATOPIC, enzymology/ DNA, analysis/ HUMAN/ *PHOSPHOTRANSFERASES, metabolism/ *PSORIASIS, enzymology/ SKIN, analysis/ *SKIN, enzymology

2471. **Miętkiewski K, Malendowicz LK, Miśkowiak B:** Studies on the effect of aminoglutethimide and adrenalectomy on the thyroid of the sexually mature male rat. PBI level, morphometry, and histochemistry. Endokrinologie 60:257-72, 1972
ACID PHOSPHATASE, analysis/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AGE FACTORS/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL NUCLEUS/ EPITHELIAL CELLS/ ESTERASES, analysis/ HISTOCYTOCHEMISTRY/ KARYOMETRY/ MALE/ PROTEIN-BOUND IODINE TEST/ RATS/ THYROID GLAND, analysis/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, secretion

2472. **Mihatsch MJ, Bleisch A, Six P, et al:** Primary choriocarcinoma of the kidney in a 49-year-old woman.
J Urol 108:537-9, Oct 72
ANGIOGRAPHY/ CASE REPORT/ *CHORIOCARCINOMA/ CHORIOCARCINOMA, pathology/ CHORIOCARCINOMA, radiography/ FEMALE/ HUMAN/ KIDNEY, pathology/ *KIDNEY NEOPLASMS/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, radiography/ MIDDLE AGE/ NEOPLASM METASTASIS/ RENAL ARTERY, radiography

2473. **Mihula A:** Zdroje hojení zlomeniny rourovité kosti u různých typů osteosyntézy zhlediska cévního zásobování.
Rozhl Chir 52:35-41, Jan 73 **(Cze)**
ANIMAL EXPERIMENTS/ *BONE AND BONES, blood supply/ DOGS/ ENGLISH ABSTRACT/ *FRACTURE FIXATION, INTRAMEDULLARY/ *FRACTURES, surgery/ *WOUND HEALING

2474. **Mikat K, Mikat DM:** Fixation of tissue by formaldehyde vapor during centrifugation; a means for enhancing morphological visibility by cellular flattening.
Stain Technol 48:33-7, Jan 73
ANIMAL EXPERIMENTS/ BIOPSY/ *CENTRIFUGATION/ CHROMOSOMES/ *FORMALDEHYDE/ *HISTOLOGICAL TECHNICS/ HUMAN/ TESTIS, cytology

2475. **Mikhail Y:** Early stages in postnatal development of the adrenal gland. Acta Anat (Basel) 84:138-49, 1973
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, innervation/ ADRENAL GLANDS, metabolism/ AGE FACTORS/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ASCORBIC ACID, metabolism/ DENDRITES/ FEMALE/ GANGLIA, AUTONOMIC, cytology/ HISTOCYTOCHEMISTRY/ ORGAN WEIGHT/ PREGNANCY/ RATS

2476. **Milcu SM:** Contribuţia Institutului de Endocrinologie "C. I. Parhon" la dezvoltarea endocrinologiei româneşti în perioada 1946-1971.
Stud Cercet Endocrinol 23:374-6, 1972 **(Rum)**
*ACADEMIES AND INSTITUTES, history/ *ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ RESEARCH/ RUMANIA

2477. **Milcu SM, Ioaniţiu D, Bălan M:** Balneoclimatoterapia în hipertiroidism.
Stud Cercet Endocrinol 24:109-13, 1973 **(Rum)**
ALTITUDE/ *BALNEOLOGY/ CLIMATE/ HUMAN/ *HYPERTHYROIDISM, therapy/ MINERAL WATERS/ *PHYSICAL THERAPY

2478. **Milet RG, Mukherjee BB, Whitten WK:** Cellular distribution and possible mechanism of sex-differentiation in XX-XY chimeric mice.
Can J Genet Cytol 15:933-41, Dec 72
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, cytology/ CORNEA, cytology/ FEMALE/ KIDNEY, cytology/ MALE/ MICE/ PHENOTYPE/ RADIATION CHIMERA/ *RADIATION GENETICS/ *SEX CHROMOSOMES/ SEX DETERMINATION/ SKIN, cytology/ SPLEEN, cytology

2479. **Milewich L, Axelrod LR:** In vitro metabolism of a mixture of (4- 14 C)pregnenolone and (17 - 3 H)pregnenolone by polycystic ovary: pathways of testosterone biosynthesis.
Arch Biochem Biophys 153:188-92, Nov 72
ANDROSTENES, biosynthesis/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CRYSTALLIZATION/ *CYSTS, metabolism/ DEHYDROEPIANDROSTERONE, biosynthesis/ FEMALE/ HUMAN/ HYDROXYPREGNENOLONE, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ IN VITRO/ 17-KETOSTEROIDS, biosynthesis/ KINETICS/ *OVARIAN DISEASES, metabolism/ *OVARY, metabolism/ *PREGNENOLONE, metabolism/ PROGESTERONE, biosynthesis/ *TESTOSTERONE, biosynthesis/ TRITIUM

2480. **Milgrom E, Allouch P, Atger M, et al:** Progesterone-binding plasma protein of pregnant guinea pig. Purification and characterization.
J Biol Chem 248:1106-14, 10 Feb 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ *BLOOD PROTEINS, isolation & purification/ DESOXYCORTICOSTERONE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ ISOELECTRIC FOCUSING/ KETOSTEROIDS/ MOLECULAR WEIGHT/ *PREGNANCY/ PREGNANES/ *PROGESTERONE/ PROTEIN BINDING/ RATS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE/ TRITIUM/ ULTRACENTRIFUGATION/ UMBILICAL ARTERIES/ UMBILICAL VEINS

2481. **Miller DS, Davis EH:** Disabled authors and fictional counterparts. Clin Orthop 89:76-93, 1972
ACHONDROPLASIA, history/ ACROMEGALY, history/ AMPUTATION, history/ *BONE DISEASES, history/ CLUBFOOT, history/ *FAMOUS PERSONS/ GOUT, history/ GREAT BRITAIN/ *HANDICAPPED/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ LITERATURE, MODERN/ *MEDICINE IN LITERATURE/ OCCUPATIONS/ POLIOMYELITIS, history/ SPINAL DISEASES, history/ UNITED STATES

2482. **Miller JP, Shuman DA, Scholten MB, et al:** Synthesis and biological activity of some 2' derivatives of adenosine 3',5'-cyclic phosphate.
Biochemistry 12:1010-6, 27 Feb 73
*ADENINE NUCLEOTIDES, chem synthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ARABINOSE/ BRAIN, enzymology/ BUTYRATES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ ENZYME ACTIVATION/ KIDNEY, enzymology/ KINETICS/ LUNG, enzymology/ MYOCARDIUM, enzymology/ NITROBENZENES/ *PHOSPHODIESTERASES/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHOTRANSFERASES/ PROTEINS/ RABBITS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP

2483. **Miller RW:** Radiation-induced cancer.
J Natl Cancer Inst 49:1221-7, Nov 72
ADULT/ ATOMIC WARFARE/ BONE NEOPLASMS, etiology/ BRAIN NEOPLASMS, etiology/ BREAST NEOPLASMS, etiology/ CHILD/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ JAPAN/ LEUKEMIA, MYELOCYTIC, etiology/ *LEUKEMIA, RADIATION-INDUCED/ LIVER NEOPLASMS, etiology/ LUNG NEOPLASMS, etiology/ MALE/ *NEOPLASMS, RADIATION-INDUCED/ PREGNANCY/ RADIOGRAPHY, adverse effects/ RADIOTHERAPY, adverse effects/ SKIN NEOPLASMS, etiology/ THYROID NEOPLASMS, etiology/ UNITED STATES

2484. **Millet D, Netter A:** Progrès en gynécologie.
Rev Prat 22:Suppl:42-4, 25 Nov 72 (Fre)
ESTROGENS, adverse effects/ GYNECOLOGY/ *PITUITARY HORMONE RELEASING FACTORS/ *VAGINAL NEOPLASMS, chemically induced

2485. **Mills DC, Smith JB:** The control of platelet responsiveness by agents that influence cyclic AMP metabolism. Ann NY Acad Sci 201:391-9, 27 Oct 72
*ADENINE, metabolism/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CARBON ISOTOPES/ CATECHOLAMINES, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, pharmacodynamics

2486. **Mills SH, South FE:** Central regulation of temperature in hibernation and normothermia.
Cryobiology 9:393-403, Oct 72
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ BRAIN, physiology/ ELECTROMYOGRAPHY/ HEART RATE/ *HIBERNATION/ HYPOTHALAMUS, physiology/ MONITORING SYSTEMS/ OXYGEN CONSUMPTION/ SHIVERING/ SKIN TEMPERATURE/ *SQUIRRELS, physiology

2487. **Milunsky A:** Sex-determining genes and the Y-chromosome. N Engl J Med 288:577-8, 15 Mar 73
*GENES/ HUMAN/ KARYOTYPING/ MALE/ PHENOTYPE/ *SEX CHARACTERISTICS/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ SEX DIFFERENTIATION DISORDERS, familial & genetic

2488. **Mimura N, Takuma T, Nakamura I, et al:** [Long-term problems in hemodialysis]
Jap J Clin Med 30:2451-9, Dec 72 (12 ref.) (Jap)
ADULT/ AGED/ ANEMIA, etiology/ CALCIUM METABOLISM DISORDERS, etiology/ CARDIOVASCULAR DISEASES, etiology/ ENDOCRINE DISEASES, etiology/ FEMALE/ HEART FAILURE, CONGESTIVE, etiology/ *HEMODIALYSIS, adverse effects/ HEMODIALYSIS, mortality/ HEPATITIS, HOMOLOGOUS SERUM, etiology/ HUMAN/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ PERIPHERAL NERVE DISEASES, etiology/ REVIEW/ TIME FACTORS

2489. **Minagawa J, Aono T, Kawamura K, et al:** [Physiopathological study of the diencephalon and hypothalamus of anovulatory patients; radioimmunoassay of daily changes in serum FSH and LH]
Folia Endocrinol Jap 48:396-407, 20 Sep 72 (Jap)
ADULT/ *AMENORRHEA, blood/ CIRCADIAN RHYTHM/ CLOMIPHENE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *OVULATION, drug effects/ RADIOIMMUNOASSAY/ TIME FACTORS

2490. **Minguell J, Grant JK:** Rat bone marrow cells: androgen metabolism and actions at the molecular level.
J Steroid Biochem 3:803-5, Sep 72
ADENINE, biosynthesis/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ BONE MARROW CELLS, drug effects/ *BONE MARROW CELLS, metabolism/ CARBON ISOTOPES/ FORMATES, metabolism/ MALE/ RATS/ RNA, biosynthesis/ STANOLONE, biosynthesis/ STANOLONE, pharmacodynamics/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TRITIUM

2491. **Mininberg DT, Richman A:** Bilateral scrotal testicular ectopia. J Urol 108:652-4, Oct 72
ABNORMALITIES, MULTIPLE/ CHILD, PRESCHOOL/ CLEFT LIP, complications/ HUMAN/ MALE/ *SCROTUM, abnormalities/ SCROTUM, surgery/ *TESTIS, abnormalities/ TESTIS, surgery/ THIGH, abnormalities

2492. **Minnigerode B:** Hartgummi-Bougie-Behandlung subglottischer Kehlkopfstenosen im Kindesalter.
HNO 20:370-1, Dec 72 (Ger)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ DILATATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ LARYNGOSTENOSIS, drug therapy/ *LARYNGOSTENOSIS, therapy/ MALE/ TIME FACTORS

2493. **Mir-Madjlessi SH, Brown CH, Hawk WA:** Amyloidosis associated with Crohn's disease.
Am J Gastroenterol 58:563-77, Dec 72
ADULT/ *AMYLOIDOSIS, complications/ AMYLOIDOSIS, pathology/ BIOPSY/ COLON, pathology/ *ENTERITIS, REGIONAL,

complications/ ENTERITIS, REGIONAL, pathology/ HUMAN/ ILEUM, pathology/ KIDNEY, pathology/ MALE/ OPTIC NEURITIS, complications/ TESTIS, pathology

2494. **Miravet L, Carré M, Bordier P, et al:** Effet du 25-HCC chez un sujet hypocalcémique avec des métastases actives d'une tumeur médullaire thyroïdienne opérée.
Ann Endocrinol (Paris) 33:270-1, May-Jun 72 **(Fre)**
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ *HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, etiology/ MALE/ *NEOPLASM METASTASIS/ PHOSPHATES, blood/ PHOSPHORUS, metabolism/ POSTOPERATIVE COMPLICATIONS/ THYROCALCITONIN, blood/ *THYROID NEOPLASMS/ THYROIDECTOMY/ THYROXINE, blood

2495. **Mirčevová L, Simonová A:** Effect of caffeine and theophylline on Mg ++ -dependent ATPase.
Arch Int Physiol Biochim 80:815-8, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, metabolism/ *CAFFEINE, pharmacodynamics/ DRUG SYNERGISM/ ENZYME ACTIVATION/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, enzymology/ HUMAN/ MAGNESIUM/ MEMBRANES, enzymology/ OXYTOCIN, antagonists & inhibitors/ OXYTOCIN, pharmacodynamics/ SAPONINS, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

2496. **Mirkhodzhaev AKh:** Vozmozhnosti ispol'zovaniia mechenykh soedinenii v izuchenii obmena ioda i tireoidnykh gormonov v klinicheskoi praktike.
Probl Endokrinol (Mosk) 18:25-9, Nov-Dec 72 **(Rus)**
ENGLISH ABSTRACT/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC, adverse effects/ LIVER, radiation effects/ RADIATION DOSAGE/ *RADIATION INJURIES, etiology/ *THYROID DISEASES, diagnosis/ *THYROID GLAND, radiation effects/ *THYROID HORMONES, diagnostic use

2497. **Miscalencu D, Zaharia F:** Evolution of supraoptical and paraventricular nuclei (son and PVN) after X-rays irradiation and subsequent thiamine treatment in white rats.
Radiobiol Radiother (Berl) 13:593-8, 1972
ANIMAL EXPERIMENTS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, radiation effects/ MALE/ NEUROSECRETION, radiation effects/ *RADIATION EFFECTS/ RATS/ *THIAMINE, pharmacodynamics

2498. **Mishina Y:** [Metabolism of glucocorticoids--in relation to increased anti-inflammatory activity]
Clin Endocrinol (Tokyo) 20:1053-62, Dec 72 **(Jap)**
ADULT/ *ANTI-INFLAMMATORY AGENTS, metabolism/ CARBON ISOTOPES/ *GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ MALE/ PREDNISOLONE, metabolism/ PREDNISONE, metabolism/ RECEPTORS, DRUG/ RECEPTORS, HORMONE/ TRITIUM

2499. **Mishra RK, Wheldrake JF, Feltham LA:** Adrenocorticoids and RNA metabolism in kidney. I. Effect of adrenalectomy on RNA turnover in various subcellular fractions of rat kidney.
Biochim Biophys Acta 287:106-12, 16 Nov 72
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOCHROME C, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ FEMALE/ *GLUCOCORTICOIDS, metabolism/ HALF-LIFE/ KIDNEY, cytology/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KINETICS/ MITOCHONDRIA, metabolism/ OROTIC ACID, metabolism/ POLYRIBOSOMES, metabolism/ RATS/ RIBOSOMES, metabolism/ RNA, biosynthesis/ *RNA, metabolism/ RNA NUCLEOTIDYL- TRANSFERASES, metabolism/ *SUBCELLULAR FRACTIONS, metabolism/ SUCCINATE DEHYDROGENASE, metabolism

2500. **Mistilis SP, Lam KC:** Treatment of chronic hepatitis.
Prog Liver Dis 4:419-32, 1972 (63 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ASPARTATE AMINOTRANSFERASE, blood/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ BLOOD PROTEINS, biosynthesis/ CHRONIC DISEASE/ FEMALE/ HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ HEPATITIS, metabolism/ HUMAN/ LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, mortality/ LIVER FUNCTION TESTS/ MERCAPTOPURINE, administration & dosage/ MERCAPTOPURINE, adverse effects/ MERCAPTOPURINE, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REST/ REVIEW/ SERUM ALBUMIN, analysis/ SERUM GLOBULINS, analysis/ TIME FACTORS

2501. **Mitteiman J, Levy M:** Failure to demonstrate non-aldosterone salt-retaining substances in plasma, urine, and liver extract of chronic caval dogs.
Can J Physiol Pharmacol 50:1162-9, Dec 72
ALDOSTERONE, analysis/ AMINOHIPPURIC ACID, analysis/ ANIMAL EXPERIMENTS/ ASCITIC FLUID, analysis/ *BLOOD/ BLOOD PRESSURE/ CONSTRICTION/ DOGS/ GLOMERULAR FILTRATION RATE/ HEMATOCRIT/ INULIN, analysis/ *LIVER, analysis/ MOLECULAR WEIGHT/ NATRIURESIS/ PERFUSION/ SODIUM, analysis/ SODIUM, metabolism/ *SODIUM CHLORIDE, metabolism/ TISSUE EXTRACTS, analysis/ *URINE, analysis/ *VENA CAVA, INFERIOR, physiology

2502. **Miura K, Idemura H, Idemura R, et al:** [Glucocorticoid]
Clin Endocrinol (Tokyo) 20:813-6, Oct 72 (11 ref.) **(Jap)**
ADRENAL GLAND HYPOFUNCTION, chemically induced/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, adverse effects/ GLYCOSURIA, chemically induced/ HEMORRHAGE, GASTROINTESTINAL/ HUMAN/ HYPERGLYCEMIA, chemically induced/ INFECTION, complications/ MIDDLE AGE/ PREGNANCY/ PSYCHOSES, TOXIC, etiology/ REVIEW

2503. **Miura K, Sato T, Furukawa Y:** [Adrenal gland and hypertension--with special reference to the clinical experiences with 96 cases]
Jap J Clin Med 30:2204-14, Nov 72 **(Jap)**
ADOLESCENCE/ *ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ CUSHING'S SYNDROME, diagnosis/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERTENSION, etiology/ PHEOCHROMOCYTOMA, diagnosis

2504. **Miyahara M, Ashinaga T, Morikawa R, et al:** [Catecholamines and arteriosclerosis]
Clin Endocrinol (Tokyo) 20:613-20, Aug 72 (100 ref.) **(Jap)**
ADRENAL GLANDS, physiology/ ANGINA PECTORIS, etiology/ *ARTERIOSCLEROSIS, etiology/ *CATECHOLAMINES, physiology/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ HUMAN/ HYPERLIPEMIA, metabolism/ INSULIN, secretion/ MYOCARDIAL INFARCT, metabolism/ NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, physiology

2505. **Miyoshi K, Wolf A, Harter DH, et al:** Murine influenza virus encephalomyelitis. I. Neuropathological and immunofluorescence findings.

J Neuropatbol Exp Neurol 32:51-71, Jan 73
ANIMAL EXPERIMENTS/ *BRAIN, pathology/ BRAIN STEM, pathology/ CEREBRAL CORTEX, pathology/ CEREBRAL VENTRICLES, pathology/ CHOROID PLEXUS, patbology/ CORPUS STRIATUM, pathology/ CYTOPATHOGENIC EFFECT, VIRAL/ DEMYELINATION/ *ENCEPHALOMYELITIS, pathology/ EPENDYMA, pathology/ FLUORESCENT ANTIBODY TECHNIC/ HIPPOCAMPUS, pathology/ HYPOTHALAMUS, patbology/ INCLUSION BODIES, VIRAL/ *INFLUENZA VIRUSES/ MEDULLA OBLONGATA, pathology/ MICE/ MICROSCOPY, ELECTRON/ MYELIN SHEATH/ *MYXOVIRUS INFECTIONS, patbology/ PLAQUE ASSAY/ PONS, pathology/ VIRUS REPLICATION

2506. **Mizejewski GJ:** Tissue distribution of radiolodinated buman growth hormone in tbe mouse.
Proc Soc Exp Biol Med 142:589-94, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ FEMALE/ GOATS, immunology/ IMMUNIZATION/ IODINE ISOTOPES/ KIDNEY, metabolism/ LIVER, metaholism/ LUNG, metabolism/ MALE/ MICE/ MUSCLES, metabolism/ OVARY, metaholism/ PITUITARY GLAND, metabolism/ PROSTATE, metabolism/ SEMINAL VESICLES, metabolism/ SEX FACTORS/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, metaholism/ SPLEEN, metabolism/ TESTIS, metaholism/ UTERUS, metabolism

2507. **Mizukoshi H, Miyazaki T, Araki Y:** [Abnormalities of sodium and water metabolism witb special reference to hypertensive diseases]
Jap J Clin Med 30:2215-22, Nov 72 (52 ref.)
ALDOSTERONE, blood/ ANGIOTENSIN, blood/ HUMAN/ HYPERALDOSTERONISM, metabolism/ *HYPERTENSION, metabolism/ HYPERTENSION, MALIGNANT, metabolism/ HYPERTENSION, RENAL, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ LIVER CIRRHOSIS, metaholism/ NATRIURESIS/ RENIN, blood/ REVIEW/ *SODIUM, metabolism/ *WATER, metabolism/ WATER-ELECTROLYTE BALANCE

2508. **Mizuno M, Tabuchi T, Nagataki S, et al:** [New problems of thyroid physiology during pregnancy]
Clin Endocrinol (Tokyo) 20:715-23, Sep 72 (Jap)
ANIMAL EXPERIMENTS/ GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ MALE/ MATERNAL-FETAL EXCHANGE/ PITUITARY GLAND, physiology/ *PREGNANCY/ RATS/ *THYROID GLAND, physiology

2509. **Miczoch F:** Autoaggressionskrankheiten der Lunge.
Wien Med Wocbenschr 122:534-8, 16 Sep 72 (Ger)
ANTIBODY FORMATION/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES/ AUTOIMMUNE DISEASES, drug therapy/ AZATHIOPRINE, therapeutic use/ CORTISONE, therapeutic use/ HUMAN/ LUNG DISEASES, drug therapy/ LUNG DISEASES, etiology/ *LUNG DISEASES, immunology/ PENICILLAMINE, tberapeutic use

2510. **Moayer M:** Chronischer Eiweissmangel und Placentation. Tierexperimentelle Untersuchungen.
Z Ernaehrungswiss 11:241-8, Dec 72 (Ger)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ FEMALE/ FETAL DEATH, etiology/ FETAL DISEASES, etiology/ HEMORRHAGE, etiology/ HISTOLOGICAL TECHNICS/ LYMPHOCYTOSIS, etiology/ PLACENTA, abnormalities/ PLACENTA, blood supply/ PLACENTA, pathology/ PLACENTA DISORDERS, blood/ *PLACENTA DISORDERS, etiology/ PREGNANCY/ *PROTEIN DEFICIENCY, complications/ RATS/ TIME FACTORS

2511. **Modigliani E, Delzant G, Sebaoun J:** Etude de la fonction minéralotrope cortico-surrénalienne dans l'acromégalie. A propos de 15 observations.
Ann Endocrinol (Paris) 33:301-3, May-Jun 72 (Fre)
ACROMEGALY, metabolism/ *ACROMEGALY, urine/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metaholism/ *ALDOSTERONE, urine/ DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, metabolism/ HYPOPHYSECTOMY/ MALE/ SODIUM CHLORIDE, pharmacodynamics

2512. **Modigliani E, Strauch G, Chaumeriac P, et al:** Th plasma insulin response to arginine infusion in sb non-diabetic patients given an acute overload o thyroid hormone.
Rev Eur Etud Clin Biol 17:619-22, Jun-Jul 72
ADOLESCENCE/ ADULT/ *ARGININE, pharmacodynamics/ BLOOD SUGAR, analysis/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ *INSULIN, blood/ MALE/ MIDDLE AGE/ TIME FACTORS/ TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, pharmacodynamics

2513. **Moffat AC, Patterson DA, Curry AS, et al:** Inhibition i vitro of cyclic 3',5' nucleotide phosphodiesteras activity hy drugs. Eur J Toxicol 5:160-2, May-Jun 7
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ CATTLE/ DEPRESSION, CHEMICAL/ HEART/ NUCLEOTIDES/ *PHARMACOLOGY/ *PHOSPHODIESTERASES, antagonists & inhibitors

2514. **Moghissi KS:** Morphologic changes in the ovaries o women treated with continuous microdose progestogens. Fertil Steril 23:739-44, Oct 72
ADULT/ BIOPSY/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, pathology/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, pathology/ HUMAN/ HYSTERECTOMY/ MENSTRUATION NORETHINDRONE, administration & dosage/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, administration & dosage/ NORGESTREL, pharmacodynamics/ *OVARY, drug effects/ OVARY, pathology/ OVULATION, drug effects/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, blood/ QUINGESTANOL, administration & dosage/ QUINGESTANOL, pharmacodynamics/ STERILIZATION, TUBAL

2515. **Moghissi KS, Rangarajan NS, Lacroix GE:** Induction labor with prostaglandin F2 and oxytocin: a matche study. J Reprod Med 9:304-6, Dec 72
BRADYCARDIA, chemically induced/ CERVIX UTERI/ DELIVERY/ EVALUATION STUDIES FEMALE/ FETAL DISEASES, chemically induced/ HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ MUSCLE CONTRACTIO drug effects/ *OXYTOCIN/ OXYTOCIN, administration & dosage/ PARITY/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage. PROSTAGLANDINS, adverse effects/ UTERU drug effects

2516. **Möhring J, Dauda G, Haack D, et al:** Increas potassium intake and kallopenic nephropathy in ra with genetic diabetes insipidus.
Life Sci [I] 11:679-83, 15 Jul 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DIABETES INSIPIDUS, familial & genetic/ *DIABETES INSIPIDUS, metabolism/ DIABETES INSIPIDUS, pathology/ *DIABETI NEPHROPATHIES, metabolism/ DIABETIC NEPHROPATHIES, pathology/ FEMALE/ FOOD PREFERENCES/ KIDNEY, metabolism KIDNEY, pathology/ *POTASSIUM, metabolism/ RATS/ RATS, INBRED STRAIN VASOPRESSIN, secretion/ WATER-ELECTROLYTE BALANCE

2517. **Möhring J, Möhring B:** Reevaluation of DOCA esca phenomenon. Am J Physiol 223:1237-45, Nov
ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/

*DESOXYCORTICOSTERONE, pharmacodynamics/ DIURESIS, drug effects/ EXTRACELLULAR SPACE, drug effects/ *KIDNEY, drug effects/ KIDNEY TUBULES, drug effects/ MALE/ NATRIURESIS, drug effects/ *POTASSIUM, metabolism/ POTASSIUM, urine/ RATS/ *SODIUM, metabolism/ SODIUM, urine/ WATER-ELECTROLYTE BALANCE, drug effects

2518. **Möhring J, Schömig A, Brekner H, et al:** ADH-induced potassium retention in rats with genetic diabetes insipidus. Life Sci [I] 11:65-72, 15 Jan 72
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ DIABETES INSIPIDUS, blood/ DIABETES INSIPIDUS, congenital/ *DIABETES INSIPIDUS, metabolism/ DIABETES INSIPIDUS, urine/ DIURESIS, drug effects/ DRINKING BEHAVIOR, drug effects/ HYPOTHALAMUS/ MALE/ POTASSIUM, blood/ *POTASSIUM, metabolism/ POTASSIUM, urine/ RATS/ SODIUM, blood/ SODIUM, urine/ *VASOPRESSIN, pharmacodynamics/ WATER-ELECTROLYTE BALANCE, drug effects

2519. **Moiseev VS:** Patologicheskie izmeneniia v serdechno-sosudistoĭ sisteme pri lechenii glukokortikoidnymi gormonami.
Kardiologiia 12:137-48, Oct 72 (154 ref.) (Rus)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, chemically induced/ ARTHRITIS, RHEUMATOID, drug therapy/ ASPARAGINE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ *CARDIOVASCULAR DISEASES, chemically induced/ CATS/ CHILD/ CHILD, PRESCHOOL/ CORONARY DISEASE, chemically induced/ CORTISONE, adverse effects/ DIPEPTIDES, metabolism/ DOGS/ ENZYME INDUCTION, drug effects/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, pharmacodynamics/ HEART, drug effects/ HEART FAILURE, CONGESTIVE, chemically induced/ HUMAN/ HYPERLIPEMIA, chemically induced/ HYPERTENSION, chemically induced/ INFANT/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MAGNESIUM, metabolism/ MYOCARDITIS, chemically induced/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ NEPHROTIC SYNDROME/ POTASSIUM, metabolism/ PREDNISOLONE, adverse effects/ RABBITS/ RATS/ REVIEW/ SKIN DISEASES, drug therapy/ SODIUM, metabolism/ TIME FACTORS/ TRIAMCINOLONE, adverse effects

2520. **Molinari PF, Chung SK, Snyder LM:** Variations of erythrocyte glycolysis following androgens.
J Lab Clin Med 81:443-6, Mar 73
ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ DIPHOSPHOGLYCERIC ACIDS, metabolism/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, metabolism/ ETIOCHOLANOLONE, pharmacodynamics/ FEMALE/ GLUCOSE, metabolism/ *GLYCOLYSIS, drug effects/ IRON ISOTOPES/ LACTATES, metabolism/ MALE/ MICE/ RATS/ *TESTOSTERONE, pharmacodynamics

2521. **Möllmann H, Plischewsky K, Moltzahn S:** Der Einfluss von Parachlorphenylalanin und Testosteron auf das sexuelle Verhalten weiblicher Ratten.
Andrologie 4:39-44, 1972 (Ger)
ANIMAL EXPERIMENTS/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ RATS/ SEROTONIN, physiology/ *SEX BEHAVIOR, ANIMAL, drug effects/ *TESTOSTERONE, pharmacodynamics

2522. **Molnár J, Furka I:** Hodenprothese aus Kunststoff.
Andrologie 4:141-6, 1972 (Ger)
ADULT/ ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ IMPOTENCE/ MALE/ POLYURETHANES/ *PROSTHESIS/ PROSTHESIS DESIGN/ *TESTIS, surgery

2523. **Momotani N, Suzuki T, Harada S, et al:** [Thyroid acropachy with an abnormally high concentration of long acting thyroid stimulator]
Clin Endocrinol (Tokyo) 20:649-53, Aug 72 (Jap)
ADULT/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ *LONG-ACTING THYROID STIMULATOR, blood/ MALE/ MYXEDEMA, blood/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, blood/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, complications

2524. **Monaco F, Robbins J:** Membrane-bound thyroglobulin in an experimental thyroid tumor of rats.
Biochim Biophys Acta 279:118-28, 18 Aug 72
ANIMAL EXPERIMENTS/ CELL MEMBRANE PERMEABILITY/ CENTRIFUGATION, DENSITY GRADIENT/ GEL DIFFUSION TESTS/ IN VITRO/ IODOPROTEINS, analysis/ METHODS/ NEOPLASMS, EXPERIMENTAL, metabolism/ RATS/ *THYROGLOBULIN, biosynthesis/ *THYROID NEOPLASMS, metabolism

2525. **Monaco F, Robbins J:** Incorporation of N-acetylmannosamine and N-acetylglucosamine into thyroglobulin in rat thyroid in vitro.
J Biol Chem 248:2072-7, 25 Mar 73
ACETIC ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ DIGITONIN/ ELECTROPHORESIS, PAPER/ ENDOPLASMIC RETICULUM, secretion/ *GLUCOSAMINE, metabolism/ HEXOSAMINES, metabolism/ IODINE ISOTOPES/ MALE/ MANNOSE/ NEURAMINIC ACIDS, metabolism/ NEURAMINIDASE/ PRECIPITIN TESTS/ RATS/ SOLUBILITY/ *THYROGLOBULIN, biosynthesis/ THYROGLOBULIN, secretion/ *THYROID GLAND, metabolism/ TRICHLOROACETIC ACID/ TRITIUM/ VIBRIO, enzymology

2526. **Monaghan JM:** Torsion of the isolated Fallopian tube.
Br J Surg 60:70-2, Jan 73
ADULT/ APPENDICITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *FALLOPIAN TUBES/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ OVARIAN CYSTS, complications/ PROGNOSIS/ TORSION/ UTERINE DISEASES/ UTERINE DISEASES, diagnosis/ UTERINE DISEASES, etiology/ UTERINE DISEASES, surgery

2527. **Money J:** Identification and complementation in the differentiation of gender identity.
Dan Med Bull 19:265-8, Dec 72
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENETICS/ GENETICS, HUMAN/ HUMAN/ *IDENTIFICATION (PSYCHOLOGY)/ INFANT/ INFANT, NEWBORN/ MALE/ PSYCHOSEXUAL DEVELOPMENT/ SELF CONCEPT/ *SEX/ *SEX BEHAVIOR/ SEX CHROMOSOME ABNORMALITIES/ *SEX DIFFERENTIATION DISORDERS

2528. **Money J:** Phyletic and idiosyncratic determinants of gender identity. Dan Med Bull 19:259-64, Dec 72
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENETIC CODE/ GENETICS/ GENETICS, HUMAN/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MONKEYS/ *PSYCHOSEXUAL DEVELOPMENT/ *SELF CONCEPT/ *SEX/ SEX BEHAVIOR/ SEX CHARACTERISTICS/ *SEX DIFFERENTIATION DISORDERS

2529. **Money J, Ehrhardt AA:** Gender dimorphic behavior and fetal sex hormones.

Recent Prog Horm Res 28:735-83, 1972
ADRENOGENITAL SYNDROME/ AGGRESSION/ *BEHAVIOR/ CHILD BEHAVIOR/ FEMALE/ FEMINIZATION, familial & genetic/ HERMAPHRODITISM, chemically induced/ HOMOSEXUALITY/ HUMAN/ MALE/ MARRIAGE/ PROGESTATIONAL HORMONES, adverse effects/ REVIEW/ SEX BEHAVIOR/ *SEX HORMONES/ TURNER'S SYNDROME

2530. Monro J: Pantothenic acid in schizophrenia.
Lancet 1:262-3, 3 Feb 73
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, chemically induced/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADRENAL GLANDS, physiopathology/ ADULT/ HUMAN/ MALE/ *PANTOTHENIC ACID, therapeutic use/ PHENOTHIAZINES, adverse effects/ PIGMENTATION/ *SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, physiopathology

2531. Monroy JR, Vargas Raymond G, Linares H, et al: Micosis en cardiopatas.
Arch Inst Cardiol Mex 42:684-99, Sep-Oct 72 (Spa)
ADOLESCENCE/ ADULT/ ANTIBIOTICS, adverse effects/ ANTIBIOTICS, therapeutic use/ ASPERGILLOSIS, complications/ ASPERGILLOSIS, pathology/ AUTOPSY/ CHILD/ CRYPTOCOCCOSIS, complications/ CRYPTOCOCCOSIS, pathology/ DIAGNOSIS, DIFFERENTIAL/ *ENDOCARDITIS, complications/ ENDOCARDITIS, BACTERIAL, diagnosis/ ENDOCARDITIS, BACTERIAL, drug therapy/ ENDOCARDITIS, BACTERIAL, pathology/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ *HEART DISEASES, complications/ HUMAN/ MALE/ MONILIASIS, complications/ MONILIASIS, pathology/ *MYCOSES, complications/ MYOCARDIUM, pathology

2532. Montana E: Challenging aspects of adolescent medicine. J Med Assoc Ga 62:32-7, Feb 73
*ADOLESCENCE/ ATTITUDE OF HEALTH PERSONNEL/ CONTRACEPTION/ DRUG ABUSE, prevention & control/ FEMALE/ HUMAN/ MALE/ PARENT-CHILD RELATIONS/ *PEDIATRICS/ PHYSICIAN-PATIENT RELATIONS/ PREGNANCY/ PUBERTY/ SEX BEHAVIOR/ VENEREAL DISEASES, prevention & control

2533. Montz R: Beiträge der Nuklearmedizin zur Diagnostik umschriebener und generalisierter Knochenveränderungen.
Z Rheumaforsch 31:344-57, Sep-Oct 72 (Ger)
ARTHRITIS, RHEUMATOID, diagnosis/ *BONE DISEASES, diagnosis/ BONE NEOPLASMS, diagnosis/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ FLUORINE, diagnostic use/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HYPERPARATHYROIDISM/ INTESTINAL ABSORPTION/ KIDNEY DISEASES, diagnosis/ NEOPLASM METASTASIS/ NUCLEAR MEDICINE/ NUTRITION DISORDERS, diagnosis/ OSTEOGENESIS, drug effects/ OSTEOPOROSIS, diagnosis/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ STRONTIUM ISOTOPES/ VITAMIN D DEFICIENCY, diagnosis/ WOUND HEALING

2534. Moon YS, Raeside JI: Histochemical studies on hydroxysteroid dehydrogenase activity of fetal pig testes. Biol Reprod 7:278-87, Oct 72
ANDROSTERONE/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ DEHYDROEPIANDROSTERONE/ ESTRADIOL/ *FETUS, enzymology/ GESTATIONAL AGE/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ LEYDIG CELLS/ MALE/ PREGNENOLONE/ SWINE/ *TESTIS, enzymology/ TESTOSTERONE

2535. Moor L: Un gène de la délinquance. Mythe ou réalit
Ann Med Psychol (Paris) 2:520-7, Nov 72 (Fr
CRIMINAL PSYCHOLOGY/ CYTOGENETICS/ FEMALE/ *GENES/ HUMAN/ *JUVENILE DELINQUENCY, familial & genetic/ KARYOTYPING/ KLINEFELTER'S SYNDROME, complications/ MALE/ MENTAL DISORDERS, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, complications/ *SOCIAL BEHAVIOR DISORDERS, familial & genetic/ SOCIOPATHIC PERSONALITY, familial & genetic

2536. Moossa AR: Acute pancreatitis in childhood. A study
16 cases and review of the literature.
Prog Pediatr Surg 4:111-27, 1972
ABDOMINAL INJURIES, complications/ ACUTE DISEASE/ ADOLESCENCE/ AMYLASE, blood/ CHILD/ CHILD, PRESCHOOL/ ENGLAND/ FEMALE/ HUMAN MALE/ MUMPS, complications/ PANCREATIC DISEASES, complications/ *PANCREATITIS/ PANCREATITIS, blood/ PANCREATITIS, chemically induced/ PANCREATITIS, complications/ PANCREATITIS, diagnosis/ PANCREATITIS, etiology/ PANCREATITIS, mortality/ PANCREATITIS, occurrence/ PANCREATITIS, surgery/ PANCREATITIS, therapy/ POSTOPERATIVE COMPLICATIONS, surgery/ PREDNISOLONE, adverse effects/ RECURRENCE/ WATER-ELECTROLYTE BALANCE

2537. Moracci E, Berlingieri D: Hormonal evaluation
vaginal smears from artificial vagina.
Acta Cytol (Baltimore) 17:131-4, Mar-Apr 73
ADOLESCENCE/ ADULT/ CELL DIFFERENTIATION/ EPITHELIAL CELLS/ ESTRIOL, administration & dosage/ FEMALE HUMAN/ MUCOUS MEMBRANE, surgery/ *VAGINA, surgery/ *VAGINAL SMEARS

2538. Morand P, Van Tongerloo A: 19-hydroxy steroids. V. 3 ,19-Trihydroxy-5-androsten-17-one 3,19-diacetate: potential precursor in the biosynthesis of B-ri unsaturated estrogens. Steroids 21:47-64, Jan
ACETATES, chem synthesis/ ACETYLATION/ ALLYL COMPOUNDS, chem synthesis/ ANDROGENS, chem synthesis/ *ANDROSTENES, chem synthesis/ CHOLESTENES, chem synthesis/ CHROMATOGRAPHY, THIN LAYER/ *ESTROGENS, biosynthesis/ HYDROXYSTEROIDS/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ OXIDATION-REDUCTION/ PHOTOCHEMISTR SOLVENTS/ SPECTROPHOTOMETRY

2539. Morand P, Van Tongerloo A: 19-hydroxy steroids. V Approaches to the synthesis of 7,19-disubstitut androgens. Steroids 21:65-85, Jan 73
ALCOHOLS/ ALLYL COMPOUNDS, chem synthesis/ *ANDROGENS, chem synthesis/ ANDROSTENES/ BENZOATES/ BROMIDES/ CHEMISTRY/ CHOLESTENES/ ETHERS, CYCLIC/ HYDROXYSTEROIDS/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ OXIDATION-REDUCTION

2540. Mörch T, Plasschaert AJ: A comparative study demineralization of enamel evaluated by means of P uptake and calcium release.
Scand J Dent Res 81:27-34, 1973
*CALCIUM, metabolism/ *CALCIUM METABOLISM DISORDERS, metabolism/ COMPARATIVE STUDY/ DECALCIFICATION, PATHOLOGIC, metabolism/ *DENTAL CARIE metabolism/ *DENTAL ENAMEL, metabolism HUMAN/ *PHOSPHORUS ISOTOPES, diagnostic use/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

2541. Morgan D, Löfstrandh S, Costa E: Amphetamil analogues and brain amines.
Life Sci [I] 11:83-96, 15 Jan 72
*AMPHETAMINE, pharmacodynamics/ ANIMA EXPERIMENTS/ *BIOGENIC AMINES, analysis/ BRAIN CHEMISTRY, drug effects/

BRAIN STEM, analysis/ CARBON ISOTOPES/ CHLORPHENTERMINE, pharmacodynamics/ FLUORINE, pharmacodynamics/ HYDROCARBONS, HALOGENATED, pharmacodynamics/ HYPOTHALAMUS, analysis/ MALE/ MEPHENTERMINE, pharmacodynamics/ METHAMPHETAMINE, pharmacodynamics/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, analysis/ PHENETHYLAMINES, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ RATS/ SEROTONIN, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP/ TELENCEPHALON, analysis/ TRITIUM/ TRYPTOPHAN, analysis/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ TYRAMINE, analysis

2542. **Morgan DP, Roan CC:** Adrenocortical function in persons occupationally exposed to pesticides.
J Occup Med 15:26-8, Jan 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ARIZONA/ BENZENE HEXACHLORIDE, blood/ CHOLINESTERASE, blood/ CHROMATOGRAPHY, GAS/ DDD, blood/ DDE, blood/ DDT, blood/ DIELDRIN, blood/ HUMAN/ HYDROCORTISONE, blood/ *INDUSTRIAL MEDICINE/ KETOSTEROIDS, urine/ *PESTICIDES, toxicity

2543. **Morgan RW, Vakil DV:** Endocrine profiles and breast cancer. Lancet 1:546, 10 Mar 73
ADULT/ AGE FACTORS/ *BREAST NEOPLASMS, etiology/ *ESTROGENS, blood/ FEMALE/ HUMAN/ PREGNANCY

2544. **Morgane PJ, Stern WC:** Effects of serotonin metabolites on sleep-waking activity in cats.
Brain Res 50:205-13, 14 Feb 73
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CATS/ ELECTROENCEPHALOGRAPHY/ *HYDROXYINDOLEACETIC ACID, pharmacodynamics/ *INDOLES, pharmacodynamics/ *SEROTONIN, metabolism/ *SLEEP, drug effects/ SLEEP, REM, drug effects/ *WAKEFULNESS, drug effects

2545. **Morgenstern LL, Soupart P:** Oocyte recovery from the human ovary. Fertil Steril 23:751-8, Oct 72
ADULT/ AGE FACTORS/ ASPIRATION/ CASTRATION/ FEMALE/ GRAAFIAN FOLLICLE, surgery/ HUMAN/ HYSTERECTOMY/ METHODS/ MIDDLE AGE/ *OVARY, surgery/ *OVUM/ STERILIZATION, SEXUAL/ VAGINA, surgery

2546. **Mori H, Mizukuchi H, Sakamoto S:** [HCG-receptor of the ovary]
Clin Endocrinol (Tokyo) 20:1081-4, Dec 72 (Jap)
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ IODINE ISOTOPES/ *OVARY, metabolism/ RATS/ *RECEPTORS, HORMONE

2547. **Mori T, Kousaka T, Hamada S, et al:** [Experimental and clinical evaluations of the effective thyroxine ratio by res-O-mat ETR test, a new in vitro thyroid function test]
Folia Endocrinol Jap 48:685-97, 20 Dec 72 (Jap)
ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ RESINS/ TEMPERATURE/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, analysis/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

2548. **Mori Y, Sato T:** Retention indices of steroids and their group increment with temperature.
J Chromatogr 76:133-9, 7 Feb 73
ACETYLATION/ *ANDROSTANES, analysis/ CHROMATOGRAPHY/ FLUOROACETATES/

2549. **Morikawa S, Hikita K, Marukawa S, et al:** [Alpha-blocking and antiarrhythmic effects of droperidol--neuroleptoanesthesia for pheochromocytoma]
Jap J Anesthesiol 21:1268-74, Nov 72 (Jap)
*ADRENAL GLAND NEOPLASMS, surgery/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS/ AGED/ *BENPERIDOL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL DEPRESSANTS/ *NEUROLEPTOANALGESIA/ *PHEOCHROMOCYTOMA, surgery

2550. **Morin P, Chabrier J:** Traitement des perturbations vaso-motrices et vasculaires congestives en pratique gynécologique.
Rev Prat 22:Suppl:61-8, 25 Nov 72 (Fre)
CONTRACEPTIVES, ORAL, adverse effects/ DYSMENORRHEA, drug therapy/ HORMONES, therapeutic use/ *MENSTRUATION DISORDERS, drug therapy/ PAIN, drug therapy/ *UTERINE HEMORRHAGE, drug therapy/ VITAMINS, therapeutic use

2551. **Morin Y, Côté G:** Toxic agents and cardiomyopathies.
Cardiovasc Clin 4:245-67, 1972 (71 ref.)
*ALCOHOLISM, complications/ ANIMAL EXPERIMENTS/ AUTOPSY/ *COBALT, poisoning/ DISEASE MODELS, ANIMAL/ *DRUG THERAPY, adverse effects/ *GLUCOCORTICOIDS, adverse effects/ HEMODYNAMICS/ HUMAN/ ISOPROTERENOL/ MICROSCOPY, ELECTRON/ MITOCHONDRIAL SWELLING/ *MYOCARDIAL DISEASES, SECONDARY, chemically induced/ MYOCARDIAL DISEASES, SECONDARY, metabolism/ MYOCARDIAL DISEASES, SECONDARY, pathology/ MYOCARDITIS, etiology/ MYOCARDIUM, pathology/ NECROSIS/ RATS/ REVIEW/ *SYMPATHOMIMETICS, adverse effects/ VIRUS DISEASES/ WATER-ELECTROLYTE BALANCE

2552. **Morita C, Soekawa M:** Effect of thymectomy and bursectomy on migration inhibition test of splenic cells in chickens. Poult Sci 51:1133-6, Jul 72
ANIMAL EXPERIMENTS/ ANTIGENS/ BURSA OF FABRICIUS, drug effects/ *BURSA OF FABRICIUS, immunology/ *CELL MIGRATION INHIBITION/ *CHICKENS, immunology/ DIPHTHERIA TOXOID/ FREUND'S ADJUVANT/ HYPERSENSITIVITY, DELAYED, veterinary/ IMMUNITY, CELLULAR, radiation effects/ RADIATION EFFECTS/ SPLEEN, cytology/ *SPLEEN, immunology/ TESTOSTERONE, pharmacodynamics/ THYMECTOMY/ *THYMUS GLAND, immunology

2553. **Morita Y:** [The pineal photoreception]
J Physiol Soc Jap 34:663-78, Oct 72 (133 ref.) (Jap)
ACTION POTENTIALS/ AMPHIBIA, anatomy & histology/ AMPHIBIA, physiology/ ANIMAL EXPERIMENTS/ BIRDS, anatomy & histology/ BIRDS, physiology/ CYCLOSTOMES, anatomy & histology/ CYCLOSTOMES, physiology/ ELECTROPHYSIOLOGY/ FISHES, anatomy & histology/ FISHES, physiology/ NEURAL INTERCONNECTIONS, physiology/ *PHOTORECEPTORS, physiology/ PINEAL BODY, anatomy & histology/ *PINEAL BODY, physiology/ REPTILES, anatomy & histology/ REPTILES, physiology/ REVIEW

2554. **Moriuchi S, Takase S, Oizumi K, et al:** Effect of vitamin D3 on the transformation of 7-dehydrocholesterol to cholesterol in the rat liver.
J Vitaminol (Kyoto) 18:97-101, 10 Jun 72
ADMINISTRATION, ORAL/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BIOTRANSFORMATION/ CHOLECALCIFEROL, administration & dosage/ *CHOLECALCIFEROL, pharmacodynamics/ *CHOLESTEROL, metabolism/ DESMOSTEROL, metabolism/ FEMALE/ GEL FILTRATION/ *STEROLS, metabolism/ TRITIUM/ VITAMIN D DEFICIENCY, metabolism

2555. **Moriwaki H, Manabe H, Hatta Y, et al:** [Early gastric cancer with diffuse osteoplastic marrow metastases presenting a marble-like appearance]
Jap J Clin Med 30:2335-41, Nov 72 (Jap)
AUTOPSY/ BONE AND BONES, pathology/ BONE MARROW, pathology/ *BONE NEOPLASMS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *STOMACH NEOPLASMS, pathology

2556. **Morowitz DA, Epstein BH:** Spectrum of bowel disease associated with use of oral contraceptives.
Med Ann DC 42:6-10, Jan 73
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INFARCTION, chemically induced/ *INTESTINAL DISEASES, chemically induced/ *INTESTINE, SMALL/ *MESENTERIC VASCULAR OCCLUSION, chemically induced

2557. **Morris BJ, Lumbers ER:** The activation of renin in human amniotic fluid by proteolytic enzymes.
Biochim Biophys Acta 289:385-91, 7 Dec 72
*AMNIOTIC FLUID, enzymology/ CARBOXYPEPTIDASES, metabolism/ CHYMOTRYPSIN, metabolism/ DIALYSIS/ ENZYME ACTIVATION, drug effects/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ OSMOLAR CONCENTRATION/ PEPSIN, pharmacodynamics/ *PEPTIDE HYDROLASES, pharmacodynamics/ PREGNANCY/ RADIOIMMUNOASSAY/ *RENIN, metabolism/ TEMPERATURE/ TIME FACTORS/ TRYPSIN, pharmacodynamics

2558. **Morris DJ, Berek JS, Davis RP:** The physiological response to aldosterone in adrenalectomized and intact rats and its sex dependence.
Endocrinology 92:989-93, Apr 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ *NATRIURESIS, drug effects/ *POTASSIUM, urine/ RATS/ SEX FACTORS

2559. **Morris HG, DeRoche G, Earle M:** Effect of corticosteroid treatment of urinary epinephrine response to induced hypoglycemia in asthmatic children. J Pharmacol Exp Ther 184:180-8, Jan 73
ADRENAL GLANDS, drug effects/ ADRENAL MEDULLA, drug effects/ *ASTHMA, drug therapy/ BLOOD SUGAR, analysis/ CHILD/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPINEPHRINE, urine/ FEMALE/ GLUCOSE OXIDASE, analysis/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, urine/ INSULIN, pharmacodynamics/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use

2560. **Morris ML, Lee SC, Harper AE:** A comparison of the responses of mitochondrial and cytosol histidine-pyruvate aminotransferases to nutritional and hormonal treatments.
J Biol Chem 248:1459-65, 25 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALLOXAN DIABETES, enzymology/ *AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BUTYRATES, pharmacodynamics/ *CYTOSOL, enzymology/ DIETARY PROTEINS, administration & dosage/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ HISTIDINE/ HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INSULIN, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *MITOCHONDRIA, LIVER, enzymology/ PYRUVATES/ RATS

2561. **Morrison JB:** Natural history of segmental lesions in primary pulmonary tuberculosis: long-term review of 383 patients. Arch Dis Child 48:90-8, Feb 73
ADOLESCENCE/ AMINOSALICYLIC ACID, therapeutic use/ BLOOD SEDIMENTATION/ BRONCHOGRAPHY/ BRONCHOSCOPY/ CHILD/ CHILD, PRESCHOOL/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GASTRIC LAVAGE/ HUMAN/ INFANT/ ISONIAZID, therapeutic use/ MALE/ PNEUMONECTOMY/ PROGNOSIS/ STREPTOMYCIN, therapeutic use/ TIME FACTORS/ TUBERCULOSIS, PULMONARY, complications/ TUBERCULOSIS, PULMONARY, diagnosis/ TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, radiography/ TUBERCULOSIS, PULMONARY, surgery/ *TUBERCULOSIS, PULMONARY, therapy

2562. **Morrison SD:** Control of food intake during growth of a Walker 256 carcinosarcoma.
Cancer Res 33:526-8, Mar 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *APPETITE REGULATION/ CARCINOMA 256, WALKER, metabolism/ *CARCINOMA 256, WALKER, pathology/ CARCINOMA 256, WALKER, physiopathology/ CASEIN, metabolism/ DIET/ FOOD/ HYPOGLYCEMIA, chemically induced/ HYPOGLYCEMIA, metabolism/ HYPOGLYCEMIA, physiopathology/ INJECTIONS, SUBCUTANEOUS/ INSULIN, PROTAMINE ZINC, administration & dosage/ MALE/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/ RATS/ SPLEEN, anatomy & histology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

2563. **Morrow J, Colofiore J, Rintoul D:** Azaguanine resistant hamster cell lines not deficient in hypoxanthine-guanine phosphoribosyl transferase.
J Cell Physiol 81:97-100, Feb 73
*AZAGUANINE, pharmacodynamics/ *CELL LINE, drug effects/ CELL LINE, enzymology/ CLONE CELLS/ CYTOLOGICAL TECHNICS/ GUANINE/ HAMSTERS/ HYPOXANTHINES, pharmacodynamics/ MUTATION/ OVARY/ *PENTOSYLTRANSFERASES, analysis/ PENTOSYLTRANSFERASES, metabolism/ TISSUE CULTURE/ VARIATION (GENETICS)

2564. **Morsches B, Holzmann H, Hoffmann G, et al:** Neuere Befunde zum Steroidstoffwechsel bei Psoriasis vulgaris. Arch Dermatol Forsch 244:552-3, 1972 (Ger)
ANDROSTENES, analysis/ ANDROSTENES, blood/ ANDROSTENES, urine/ DEHYDROEPIANDROSTERONE, analysis/ DEHYDROEPIANDROSTERONE, blood/ *DEHYDROEPIANDROSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, urine/ ERYTHROCYTES, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ HUMAN/ PENTOSEPHOSPHATES, metabolism/ *PSORIASIS, metabolism/ SKIN, analysis/ TRITIUM

2565. **Morton B, Albagli L:** Modification of hamster sperm adenyl cyclase by capacitation in vitro.
Biochem Biophys Res Commun 50:697-703, 5 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE/ ADENYL CYCLASE, analysis/ ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CULTURE MEDIA/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ HAMSTERS/ IN VITRO/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ *SPERMATOZOA, enzymology/ TIME FACTORS

2566. **Moscetti G, Aghemo G, Ronzoni P:** Observations in human spermatozoa by fluorescent "Acranil" staining. A preliminary report.
Humangenetik 17:75-7, 1972
ACRIDINES/ ADOLESCENCE/ ADULT/ ALCOHOL, PROPYL/ CELLULAR INCLUSIONS/ *FLUORESCENCE/ HETEROCHROMATIN/ HUMAN/ MALE/ METHODS/ MICROSCOPY, FLUORESCENCE/ MIDDLE AGE/ SEX CHROMOSOMES/

*SPERMATOZOA, cytology/ STAINS AND STAINING

2567. Moser H: Wege und Systeme der Karzinommetastasierung in das Skelett.
Osterr Z Erforsch Bekaempf Krebskr 27:329-35, 1972 (Ger)
BONE AND BONES, blood supply/ BONE NEOPLASMS, enzymology/ *BONE NEOPLASMS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIVER NEOPLASMS/ LUNG NEOPLASMS/ MALE/ NEOPLASM CIRCULATING CELLS/ *NEOPLASM METASTASIS, physiopathology/ PORTAL SYSTEM, physiopathology/ VENAE CAVAE, physiopathology

2568. Moses AM, Howanitz J, Gemert M van, et al: Clofibrate-induced antidiuresis.
J Clin Invest 52:535-42, Mar 73
ADULT/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CLOFIBRATE, pharmacodynamics/ CREATININE, urine/ DEHYDRATION, urine/ DIABETES INSIPIDUS, urine/ *DIURESIS, drug effects/ DRINKING/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ RATS/ SODIUM, urine/ URINATION, drug effects/ VASOPRESSIN, physiology/ VASOPRESSIN, urine

2569. Moskowitz RW: Experimental models of degenerative joint disease.
Semin Arthritis Rheum 2:95-116, Summer 72 (66 ref.)
ADRENAL CORTEX HORMONES/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, ANTIFUNGAL/ BONE MATRIX/ CARTILAGE, ARTICULAR, pathology/ CARTILAGE, ARTICULAR, surgery/ CATHEPSIN, metabolism/ COLLAGEN, metabolism/ *DISEASE MODELS, ANIMAL/ IMMOBILIZATION/ METHODS/ OSTEOARTHRITIS, chemically induced/ OSTEOARTHRITIS, etiology/ OSTEOARTHRITIS, metabolism/ *OSTEOARTHRITIS, pathology/ PAPAIN/ PATELLA, surgery/ REVIEW/ SEX HORMONES, metabolism/ SOMATOTROPIN, metabolism/ STRESS, MECHANICAL

2570. Moss DW: Immunochemical similarities between major and minor components of human placental alkaline phosphatase. Clin Chim Acta 43:447-9, 12 Feb 73
*ALKALINE PHOSPHATASE, analysis/ CHEMISTRY/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ *PLACENTA, enzymology/ PREGNANCY/ RABBITS, immunology

2571. Motoo O, Shimpei T, Kikuo M, et al: [Thyroid cancer in five-year-old boy: report of a case]
Nippon Acta Radiol 32:684-8, Nov 72 (Jap)
*ADENOCARCINOMA/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *THYROID NEOPLASMS

2572. Moucha RD, Jinga VV, Popescu M: Observations préliminaires sur le comportement des cellules gliales en culture en présence de la noredrénaline, la sérotonine et le virus neurotorpe M.
Rev Roum Physiol 10:85-9, 1973 (Fre)
ANIMALS, NEWBORN/ *BRAIN, cytology/ CELLS, CULTURED/ *ENCEPHALOMYOCARDITIS VIRUSES/ IN VITRO/ *NEUROGLIA/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics

2573. Mozhenok TP, Bresler VM: Tsitofotomtricheskoe izuchenie soderzhaniia glikogena v kletkakh pecheni l gepatom 46 l 48 pri deistvii kortizona.
Tsitologiia 15:60-6, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ GLUCONEOGENESIS, drug effects/ *GLYCOGEN, metabolism/ GLYCOLYSIS, drug effects/ *HEPATOMA, metabolism/ LIVER, drug effects/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ *LIVER NEOPLASMS, metabolism/ MICE/ MICE, INBRED C3H/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, metabolism

2574. Mueller GC, Vonderhaar B, Kim UH, et al: Estrogen action: an inroad to cell biology.
Recent Prog Horm Res 28:1-49, 1972 (31 ref.)
ANIMAL EXPERIMENTS/ *CELL NUCLEUS, physiology/ *CYTOPLASM, physiology/ ESTROGENS, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ GENETICS, BIOCHEMICAL/ MACROMOLECULAR SYSTEMS/ PROTEINS, biosynthesis/ RATS/ RECEPTORS, HORMONE/ REVIEW/ RNA POLYMERASE/ UTERUS, drug effects

2575. Mueller RA, Fishburne JI Jr, Brenner WE, et al: Changes in human plasma catecholamines and dopamine-beta-hydroxylase produced by prostaglandin F2 alpha.
Prostaglandins 2:219-26, Sep 72
ADULT/ CARBON ISOTOPES/ CENTRAL VENOUS PRESSURE, drug effects/ DOPAMINE BETA HYDROXYLASE, blood/ ELECTROPHORESIS/ EPINEPHRINE, blood/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MEPERIDINE/ METHYLAMINES/ NOREPINEPHRINE, blood/ POSTURE/ PREGNANCY/ PROCHLORPERAZINE/ PROSTAGLANDINS, pharmacodynamics/ SCINTILLATION COUNTERS/ SPECIAL LIST REPRODUCTION/ TRITIUM/ VENOUS PRESSURE, drug effects

2576. Muenzenberg KJ, Gebhardt M: Brushite octacalcium phosphate, and carbonate-containing apatite in bone.
Clin Orthop 90:271-3, Jan-Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *APATITES, analysis/ *BONE AND BONES, analysis/ *CALCIUM PHOSPHATES, analysis/ *CARBONATES, analysis/ RABBITS/ X-RAY DIFFRACTION

2577. Muggenburg BA, Pfleger RC, Cuddihy RG, et al: The removal of inhaled 144 CeCl 3 from beagle dogs. 3. Bilateral bronchopulmonary lavage with a DTPA solution. Health Phys 23:611-9, Nov 72
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BRONCHI/ *CESIUM ISOTOPES/ CESIUM ISOTOPES, analysis/ CESIUM ISOTOPES, urine/ CHLORIDES/ DOGS/ *DTPA, therapeutic use/ *IRRIGATION/ LIVER, analysis/ *LUNG/ LUNG, analysis/ METHODS/ RADIATION DOSAGE/ TIME FACTORS

2578. Mühlbach R, Tarsoly E, Trzenschik K, et al: Zur Beeinflussung des Skelettstoffwechsels und der Knochenbruchheilung durch Wachstumshormon.
Acta Chir Acad Sci Hung 13:51-63, 1972 (Ger)
ANIMAL EXPERIMENTS/ *BONE REGENERATION, drug effects/ *FEMORAL FRACTURES, drug therapy/ HYPOPHYSECTOMY/ RATS/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, therapeutic use/ *WOUND HEALING, drug effects

2579. Mukai K, Huang JJ, Kimura T: Electron paramagnetic resonance studies on the selenium-replaced derivatives of adrenodoxin: the presence of the one selenium-one sulfur compound.
Biochem Biophys Res Commun 50:105-10, 4 Jan 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ ELECTRON SPIN RESONANCE/ *FERREDOXINS, analysis/ IRON, analysis/ RADIOISOTOPES/ SELENIUM, analysis/ SPECTROPHOTOMETRY/ *SULFUR, analysis/ SULFUR ISOTOPES

2580. Mukai K, Kimura T, Heibert J, et al: Environment of the iron-sulfur chromophore in adrenodoxin studied by EPR and ENDOR spectroscopy.
Biochim Biophys Acta 295:49-56, 25 Jan 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHEMISTRY/ COLD/ CRYSTALLIZATION/ DEUTERIUM/ ELECTRON SPIN RESONANCE/

*FERREDOXINS/ FERREDOXINS, isolation & purification/ FREEZING/ *IRON/ NUCLEAR PHYSICS/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ PLANTS, analysis/ SODIUM CHLORIDE/ SULFITES/ SULFUR

2581. **Mularek J, Gembicki M:** Zachowanie się współczynnika trójjodotyroniny u chorych z postępującą dystrofią mięśniową.
Neurol Neurochir Pol 7:47-50, Jan-Feb 73 (Pol)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *MUSCULAR DYSTROPHY, metabolism/ MUSCULAR DYSTROPHY, physiopathology/ THYROID GLAND, physiopathology/ THYROID HORMONES, metabolism/ *TRIIODOTHYRONINE, metabolism

2582. **Mulcahy MT, Jenkyn J:** Results of 538 chromosome studies on patients referred for cytogenetic analysis.
Med J Aust 2:1333-8, 9 Dec 72
ADOLESCENCE/ ADULT/ AGED/ AMNIOTIC FLUID, cytology/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABNORMALITIES, familial & genetic/ *CHROMOSOMES/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, familial & genetic/ LEUKOCYTES, cytology/ MALE/ MIDDLE AGE/ MONGOLISM, familial & genetic/ MOSAICISM/ PEDIGREE/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOMES/ SKIN, cytology/ TRISOMY/ TURNER'S SYNDROME, familial & genetic

2583. **Mulder E, Lamers-Stahlhofen GJ, Molen HJ van der:** Isolation and characterization of 17 -hydroxy steroid dehydrogenase from human erythrocytes.
Biochem J 127:649-59, May 72
AMMONIUM SULFATE/ CARBON ISOTOPES/ CHLOROMERCURIBENZOATES/ CHROMATOGRAPHY/ DEHYDROEPIANDROSTERONE/ *ERYTHROCYTES, enzymology/ ESTRADIOL/ ESTRONE/ GEL FILTRATION/ HEMOLYSIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYDROXYSTEROID DEHYDROGENASE, isolation & purification/ MOLECULAR WEIGHT/ NADP/ POLYSACCHARIDES/ TESTOSTERONE/ TRITIUM

2584. **Müller OA, Ascher S, Fahlbusch R, et al:** Zur Diagnostik des Diabetes insipidus unter besonderer Berücksichtigung hypophysektomierter Patienten.
Acta Neurochir (Wien) 26:179-90, 1972 (Ger)
ADENOMA, surgery/ ADOLESCENCE/ ADULT/ CRANIOPHARYNGIOMA, surgery/ *DIABETES INSIPIDUS, diagnosis/ DIURESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ KIDNEY CONCENTRATING ABILITY/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ OSMOTIC PRESSURE/ PITUITARY NEOPLASMS, surgery/ THIRST/ VASOPRESSIN, diagnostic use/ VASOPRESSIN, secretion

2585. **Müller R, Bettzieche H, Kempf HJ:** Vergleichende Untersuchungen über das Verhalten der Bebärmutterschleimhaut unter Wirkung verschiedener hormonaler Kontrazeptiva.
Zentralbl Gynaekol 94:1821-9, 30 Dec 72 (Ger)
ADULT/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ TIME FACTORS

2586. **Müller R, Maess J, Deicher H:** Fluoreszenzserologischer nachweis von Australia-Antigen in der Leber.
Dtsch Med Wochenschr 98:93-9, 19 Jan 73 (Ger)
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ *AUSTRALIA ANTIGEN, isolation & purification/ BIOPSY, NEEDLE/ CELL NUCLEUS, immunology/ CYTOPLASM, immunology/ ENGLISH ABSTRACT/ FLUORESCEINS/ FLUORESCENT ANTIBODY TECHNIC/ GRANULATION TISSUE, pathology/ HEPATITIS, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ LIVER, immunology/ LIVER, pathology/ *LIVER DISEASES, immunology/ MICROSCOPY, FLUORESCENCE/ THIOCYANATES

2587. **Mülhofer G, Loy E:** Stimullerung der Gluconeogenese aus Lactat in der isoliert perfundierten Rattenleber durch N6,02'-Dihutyryl-adenosin-3',5'-monophosphat.
Hoppe Seylers Z Physiol Chem 353:1551-2, Oct 72 (Ger)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES/ CARBON ISOTOPES/ *GLUCONEOGENESIS/ IN VITRO/ *LACTATES, metabolism/ *LIVER, metabolism/ NAD/ PERFUSION/ PYRUVATES, metabolism/ RATS/ TRITIUM

2588. **Münch J:** Auswirkung hormonaler Störungen auf die Gingiva.
Zahnaerztl Prax 24:5, 5 Jan 73 (Ger)
ENDOCRINE DISEASES, complications/ GINGIVAL DISEASES, etiology/ HORMONES, secretion/ ORAL MANIFESTATIONS/ SPECIAL LIST DENTAL

2589. **Munshi SR, Purandare TV, Rao SS:** Effect of antiserum to ovine luteinizing hormone on uterine cell division during early pregnancy in the mouse.
J Reprod Fertil 31:499, Dec 72
ANIMAL EXPERIMENTS/ DECIDUA, drug effects/ FEMALE/ *IMMUNE SERUMS, pharmacodynamics/ *LH/ MICE/ MITOSIS, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL/ SHEEP, immunology/ *UTERUS, drug effects

2590. **Murad F:** Cyclic AMP. A mediator of hormone response and its clinical application.
Va Med Mon 99:1197-201, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, diagnostic use/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ENDOCRINE GLANDS, metabolism/ ENZYME INDUCTION/ GONADS, metabolism/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PHOSPHOTRANSFERASES/ SKIN, metabolism

2591. **Murai T, Inomata H, Yamada N:** Primary hyperthyroidism. Report of 3 cases with emphasis on roentgenographic findings in the maxillofacial region.
Dentomaxillofac Radiol 1:16-8, 1972
HYPERTHYROIDISM, radiography/ JAW DISEASES, radiography/ ORAL MANIFESTATIONS/ PARATHYROID NEOPLASMS, complications/ SPECIAL LIST DENTAL

2592. **Murakami D, Naito Y, Sato K:** [Grass tetany in cattle. I. Cases of grass tetany in Sotoyama pasture]
Jap J Vet Sci 34:323-31, Dec 72 (Jap)
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BLOOD PROTEINS, analysis/ CALCIUM, blood/ CATTLE/ CATTLE DISEASES, blood/ *CATTLE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ *GRASSES/ JAPAN/ MAGNESIUM, blood/ TETANY, blood/ TETANY, etiology/ *TETANY, veterinary

2593. **Murakami T, Chosa K:** [Current flow, under the voltage clamp, of the sciatic nerve immersed in the solution of inorganic salts]
J Physiol Soc Jap 34:418-29, Jul 72 (Jap)
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ CALCIUM CHLORIDE, pharmacodynamics/ CHLORIDES, pharmacodynamics/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ FROGS/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MERCURY,

pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ *SCIATIC NERVE, physiology/ SODIUM, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ THIOCYANATES, pharmacodynamics

2594. **Murase T, Yoshida T:** [Vasopressin] Clin Endocrinol (Tokyo) 20:805-7, Oct 72 (5 ref.) (Jap)
ADULT/ DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ REVIEW/ VASOPRESSIN/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, adverse effects/ VASOPRESSIN, diagnostic use/ VASOPRESSIN, therapeutic use

2595. **Murdoch RN:** Uterine endometrial phosphatases in the ewe during early pregnancy and in relation to implantation. J Reprod Fertil 32:346-7, Feb 73
*ACID PHOSPHATASE, analysis/ *ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ COMPOUND 48-80, pharmacodynamics/ ENDOMETRIUM, analysis/ *ENDOMETRIUM, enzymology/ ESTRUS/ FEMALE/ HISTAMINE, analysis/ *NIDATION/ PROGESTERONE, pharmacodynamics/ SHEEP

2596. **Murgatroyd AE:** Pounds, rabbits and sense. Vet Rec 91:596-8, 9 Dec 72
ANIMAL DISEASES, drug therapy/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BREEDING/ COSTS AND COST ANALYSIS/ DISEASE VECTORS/ FEMALE/ FERTILITY AGENTS/ FOOD ADDITIVES/ FOOD ANALYSIS/ GROWTH SUBSTANCES/ MALE/ PREGNANCY/ *RABBITS/ VACCINATION, veterinary

2597. **Murphy BE:** Does the human fetal adrenal play a role in parturition? Am J Obstet Gynecol 115:521-5, 15 Feb 73
*ADRENAL GLANDS, physiology/ BINDING, COMPETITIVE/ BLOOD/ CESAREAN SECTION/ CHROMATOGRAPHY/ CORTISONE, blood/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, physiology/ *LABOR/ LABOR, INDUCED/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROTEIN BINDING/ TRITIUM/ UMBILICAL CORD

2598. **Murphy DL, Mendell JR, Engel WK:** Serotonin and platelet function in Duchenne muscular dystrophy. Arch Neurol 28:239-42, Apr 73
BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ BLOOD PROTEINS, metabolism/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ MALE/ MONOAMINE OXIDASE, metabolism/ MUSCULAR DYSTROPHY, enzymology/ MUSCULAR DYSTROPHY, familial & genetic/ *MUSCULAR DYSTROPHY, metabolism/ NEUROMUSCULAR DISEASES, metabolism/ SEROTONIN, blood/ *SEROTONIN, metabolism

2599. **Murr SM, Geschwind II, Bradford GE:** Plasma LH and FSH during different oestrous cycle conditions in mice. J Reprod Fertil 32:221-30, Feb 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *FSH, blood/ GONADOTROPINS, blood/ *LH, blood/ MICE/ OVULATION/ RADIOIMMUNOASSAY/ SEX FACTORS

2600. **Murray WR:** Hip problems associated with organ transplants. Clin Orthop 90:57-69, Jan-Feb 73
ADOLESCENCE/ ADULT/ ARTHROPLASTY/ *BONE DISEASES, chemically induced/ CRUTCHES/ ELBOW JOINT/ FEMALE/ FEMUR HEAD, pathology/ *FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, pathology/ FEMUR HEAD NECROSIS, radiography/ FEMUR HEAD NECROSIS, surgery/ *GLUCOCORTICOIDS, adverse effects/ HIP JOINT/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ JOINT DISEASES, chemically induced/ JOINT PROSTHESIS/ *KIDNEY, transplantation/ KNEE JOINT/ MALE/ METHYLMETHACRYLATE/ MIDDLE AGE/ NECROSIS, chemically induced/ TRANSPLANTATION, HOMOLOGOUS

2601. **Musiani U:** A partially successful attempt at medical treatment of urinary stress incontinence in women. Urol Int 27:405-9, 1972
ADMINISTRATION, ORAL/ ADULT/ AGED/ BLADDER, drug effects/ ENDOMETRIUM, drug effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ QUINESTROL, administration & dosage/ QUINESTROL, therapeutic use/ *URINARY INCONTINENCE, STRESS, drug therapy

2602. **Mustard JF, Kinlough-Rathbone RL, Jenkins CS, et al:** Modification of platelet function. Ann NY Acad Sci 201:343-59, 27 Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ ANTIHISTAMINICS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BLOOD COAGULATION/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, physiology/ CALCIUM, pharmacodynamics/ CELL MOVEMENT, drug effects/ DIPYRIDAMOLE, pharmacodynamics/ ENERGY TRANSFER/ FIBRINOGEN/ HUMAN/ PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ THROMBOSIS, prevention & control/ XANTHINES, pharmacodynamics

2603. **Muszbek L, Fésüs L, Csaba B:** Disturbance of blood glucose regulation in pertussis sensitized rats. Acta Allergol (Kbh) 27:257-63, Sep 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HISTAMINE, pharmacodynamics/ IMMUNIZATION/ ISOPROTERENOL, pharmacodynamics/ ISOTONIC SOLUTIONS/ NOREPINEPHRINE, pharmacodynamics/ *PERTUSSIS VACCINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

2604. **Mutalik GS, Gulati RB:** Comparative clinical trial of bitoscanate: bephenium hydroxynaphthoate and tetrachlorethylene in hookworm infection. Indian J Med Sci 26:718-22, Nov 72
ADOLESCENCE/ ADULT/ ANTHELMINTICS, adverse effects/ *ANTHELMINTICS, therapeutic use/ BENZENE DERIVATIVES, adverse effects/ BEPHENIUM COMPOUNDS, adverse effects/ *BEPHENIUM COMPOUNDS, therapeutic use/ COMPARATIVE STUDY/ FEMALE/ *HOOKWORM INFECTIONS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ PARASITE EGG COUNT/ TETRACHLOROETHYLENE, adverse effects/ *TETRACHLOROETHYLENE, therapeutic use/ THIOCYANATES, adverse effects/ *THIOCYANATES, therapeutic use

2605. **Muyard JP:** Premiers essais cliniques de l'Agr 1240. Agressologie 13:337-52, 1972 (Fre)
ADOLESCENCE/ ADULT/ AGGRESSION, drug effects/ ANXIETY, drug therapy/ DEPRESSION, drug therapy/ ENGLISH ABSTRACT/ ETHYLAMINES, administration & dosage/ FATIGUE, drug therapy/ FEMALE/ HIPPOCAMPUS, drug effects/ HUMAN/ HYPOTHALAMUS, drug effects/ LIBIDO, drug effects/ MALE/ *MENTAL DISORDERS, drug therapy/ MIDDLE AGE/ *MORPHOLINES, administration & dosage/ NEUROSES, OBSESSIVE-COMPULSIVE, drug therapy/ PROGNOSIS/ PSYCHOPHYSIOLOGIC DISORDERS, drug therapy/ PSYCHOSES, drug therapy/ *PYRIDAZINES, administration & dosage

2606. **Muzzo S, Gregory T, Gardner LI:** Oxygen consumption by brain mitochondria of rats malnourished in utero. J Nutr 103:314-7, Feb 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BODY WEIGHT/ BRAIN, anatomy & histology/

BRAIN, cytology/ BRAIN, embryology/ *BRAIN, metabolism/ BRAIN, physiology/ DIETARY PROTEINS, administration & dosage/ FEMALE/ FETAL DISEASES, metabolism/ LACTATION/ *MITOCHONDRIA, metabolism/ NERVE TISSUE PROTEINS, metabolism/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PROTEIN DEFICIENCY, metabolism/ RATS/ SUCCINATES, metabolism

2607. **Myers RD, Chinn C:** Evoked release of hypothalamic norepinephrine during thermoregulation in the cat.
Am J Physiol 224:230-6, Feb 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ BRAIN MAPPING/ CARBON ISOTOPES/ CATS/ FEMALE/ HEAT/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, secretion/ MALE/ NOREPINEPHRINE, cerebrospinal fluid/ *NOREPINEPHRINE, secretion/ PERFUSION/ TEMPERATURE/ TRITIUM

2608. **Myers RP, Kelalis PP:** Cryptorchidism reassessed. Is there an optimal time for surgical correction?
Mayo Clin Proc 48:94-7, Feb 73 (29 ref.)
AGE FACTORS/ BIOPSY/ CRYPTORCHISM, complications/ CRYPTORCHISM, drug therapy/ CRYPTORCHISM, familial & genetic/ CRYPTORCHISM, pathology/ CRYPTORCHISM, surgery/ DISEASES IN TWINS/ GONADOTROPINS, administration & dosage/ GONADOTROPINS, therapeutic use/ HUMAN/ MALE/ REVIEW/ SPERMATOGENESIS/ STERILITY, MALE, etiology/ TESTIS, pathology

N

2609. **Nabeshima Y:** [Changes in acid mucopolysaccharide levels in the gastric wall in ulcer induced by clamping and cortisone administration]
Jap J Gastroenterol 69:1009-23, Oct 72 **(Jap)**
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CORTISONE/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ MALE/ *MUCOPOLYSACCHARIDES, metabolism/ RATS/ *STOMACH, metabolism/ STOMACH ULCER, chemically induced/ STOMACH ULCER, etiology/ *STOMACH ULCER, metabolism

2610. **Nachman RL, Weksler B:** The platelet as an inflammatory cell.
Ann NY Acad Sci 201:131-7, 27 Oct 72
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BLOOD BACTERICIDAL ACTIVITY/ BLOOD PLATELETS, analysis/ *BLOOD PLATELETS, physiology/ BLOOD PROTEINS, isolation & purification/ CAPILLARY PERMEABILITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOPLASMIC GRANULES/ GEL FILTRATION/ HISTAMINE, analysis/ HISTAMINE LIBERATION/ *INFLAMMATION/ LYSOSOMES/ MALE/ MAST CELLS, immunology/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ RABBITS/ SEROTONIN, analysis/ SKIN TESTS/ TISSUE EXTRACTS

2611. **Naftolin F, Kirshen EJ, Ryan KJ:** Therapeutic abortion utilizing local application of prostaglandin F2alpha .
J Reprod Med 9:437-41, Dec 72
*ABORTION, THERAPEUTIC/ AMNIOTIC FLUID/ CATHETERIZATION/ DIARRHEA, chemically induced/ ERYTHEMA, chemically induced/ EVALUATION STUDIES/ FEMALE/ HUMAN/ NAUSEA, chemically induced/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ SOLUTIONS/ TABLETS/ UTERUS/ VAGINA/ VOMITING, chemically induced

2612. **Nagahama Y, Nishioka RS, Bern HA:** Responses of prolactin cells of two euryhaline marine fishes, Gillichthys mirabilis and Platichthys stellatus, to environmental salinity.
Z Zellforsch Mikrosk Anat 136:153-67, 1973
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENVIRONMENT/ EXOCYTOSIS/ *FISHES, physiology/ FRESH WATER/ GOLGI APPARATUS/ HISTOLOGY, COMPARATIVE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ ORGANOIDS/ *PITUITARY GLAND, cytology/ *PROLACTIN, physiology/ PROLACTIN, secretion/ SEAWATER/ SODIUM, blood/ SPECIES SPECIFICITY/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

2613. **Nagai K:** Erklärung auf dem physiologischen Mechanismus von Inflammation, besonders bei Reparation.
J Nihon Univ Sch Dent 14:42-52, Jun 72 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ AMINOBUTYRIC ACID, pharmacodynamics/ ANTI-INFECTIVE AGENTS, therapeutic use/ BRADYKININ, antagonists & inhibitors/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, pharmacodynamics/ DIPEPTIDES, pharmacodynamics/ DIPEPTIDES, therapeutic use/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYBUTYRATES, pharmacodynamics/ HYPERSENSITIVITY, drug therapy/ *INFLAMMATION/ INFLAMMATION, drug therapy/ *REGENERATION

2614. **Nagamachi Y:** [Experimentally induced gastric erosions and gastric mucosal pepsin]
Jap J Gastroenterol 69:1151-62, Nov 72 **(Jap)**
ANIMAL EXPERIMENTS/ DEXAMETHASONE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ *GASTRIC MUCOSA, enzymology/ GLUCOCORTICOIDS, pharmacodynamics/ HISTAMINE, pharmacodynamics/ INSULIN, pharmacodynamics/ *PEPSIN, secretion/ STIMULATION, CHEMICAL/ *STOMACH ULCER, etiology

2615. **Nagasawa H, Chen CL, Meites J:** Relation between growth of carcinogen-induced mammary cancers and serum prolactin values in rats.
Proc Soc Exp Biol Med 142:625-7, Feb 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, blood/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS

2616. **Nagasawa T, Kiyosawa I, Fukuwatari Y, et al:** Alpha-lactalbumin and serum albumin in human milk.
J Dairy Sci 56:177-80, Feb 73
CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *LACTALBUMIN, analysis/ LACTATION/ *MILK, HUMAN, analysis/ MILK PROTEINS, analysis/ NITROGEN, analysis/ PRECIPITATION/ *SERUM ALBUMIN, analysis

2617. **Nagata N, Nakamura K, Kawakami K:** [Calcium and the parathyroid gland in hemodialysis]
Jap J Clin Med 30:2495-500, Dec 72 (41 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ DOGS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ *KIDNEY FAILURE, CHRONIC, physiopathology/ *PARATHYROID GLANDS, physiopathology/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RATS/ REVIEW/ VITAMIN D, metabolism

2618. **Nagatsu T, Mizutani K, Nagatsu I, et al:** Pteridines as cofactor or inhibitor of tyrosine hydroxylase.
Biochem Pharmacol 21:1945-53, 15 Jul 72
ADRENAL MEDULLA, enzymology/ CARBON ISOTOPES/ CATTLE/ COENZYMES, metabolism/ DOPA, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ PTERIDINES, administration & dosage/

*PTERIDINES, metabolism/ PTERIDINES, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TYROSINE HYDROXYLASE, antagonists & inhibitors/ TYROSINE HYDROXYLASE, isolation & purification/ *TYROSINE HYDROXYLASE, metabolism

2619. **Nagel TC, Freinkel N, Bell RH, et al:** Gynecomastia, prolactin, and other peptide hormones in patients undergoing chronic hemodialysis.
J Clin Endocrinol Metab 36:428-32, Mar 73
ADULT/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CALCIUM, blood/ FEEDBACK/ *GYNECOMASTIA, blood/ *HEMODIALYSIS/ HUMAN/ *INSULIN, blood/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ *PROLACTIN, blood/ *SOMATOTROPIN, blood/ *THYROTROPIN, blood

2620. **Nagi NA:** Vitamin D deficiency rickets in malnourished children. J Trop Med Hyg 75:251-4, Dec 72
ALKALINE PHOSPHATASE, blood/ BLOOD PROTEIN ELECTROPHORESIS/ BODY HEIGHT/ BODY WEIGHT/ BREAST FEEDING/ CALCIUM, blood/ CHILD, PRESCHOOL/ FEMALE/ HEMOGLOBINOMETRY/ HUMAN/ INFANT/ IRAQ/ LEUKOCYTE COUNT/ MALE/ NUTRITION DISORDERS, occurrence/ PHOSPHORUS, blood/ RADIUS, radiography/ RICKETS, blood/ *RICKETS, occurrence/ ULNA, radiography/ VITAMIN D DEFICIENCY, blood/ *VITAMIN D DEFICIENCY, occurrence/ VITAMIN D DEFICIENCY, radiography

2621. **Nagnibida NM:** Vplyv tyreotropnoho gormona na vmist katekholaminiv u riznykh chastynakh mozku ta nadnyrkovykh zalozakh. Fiziol Zh 19:106-9, 1973 **(Ukr)**
*ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *BRAIN, analysis/ BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, analysis/ RABBITS/ *THYROTROPIN, pharmacodynamics

2622. **Naidu TG, Newbould FH:** Glycogen in leukocytes from bovine blood and milk.
Can J Comp Med 37:47-55, Jan 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *CATTLE, metabolism/ FEMALE/ *GLYCOGEN, analysis/ GLYCOGEN, blood/ LACTATION/ *LEUKOCYTES, analysis/ MILK, cytology/ STAINS AND STAINING

2623. **Nair RM, Schally AV:** Structure of a hypothalamic peptide possessing gonadotropin-releasing activity.
Int J Pept Protein Res 4:421-30, 1972
AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ARGININE, analysis/ CARBON ISOTOPES/ GLUTAMATES, analysis/ GLYCINE, analysis/ GONADOTROPINS/ HISTIDINE, analysis/ HYPOTHALAMUS, analysis/ LEUCINE, analysis/ MASS SPECTRUM ANALYSIS/ PEPTIDE CHAIN TERMINATION/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ PROLINE, analysis/ SERINE, analysis/ SWINE/ TRYPTOPHAN, analysis/ TYROSINE, analysis

2624. **Naismith WC, Barr W, MacVicar J:** Induction of labour by simultaneous intravenous administration of prostaglandin E 2 and oxytocin.
Br Med J 4:461-2, 25 Nov 72
AMNION, surgery/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ *OXYTOCIN, administration & dosage/ PLACEBOS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ TIME FACTORS

2625. **Najean Y, Laprevotte I, Dresch C:** Evolution à long terme des insuffisances médullaires traitées initialement avec succès par les androgènes.
Nouv Presse Med 2:359-63, 10 Feb 73 **(Fre)**
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, congenital/ *ANEMIA, APLASTIC, drug therapy/ BLOOD CELL COUNT/ BONE MARROW EXAMINATION/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IRON, metabolism/ IRON ISOTOPES/ LONG TERM CARE/ MALE/ PROGNOSIS/ RECURRENCE/ SEX FACTORS

2626. **Nakai T, Eguchi Y, Sakamoto S, et al:** Sex difference in development of fetal pituitary-gonadal axis: histologic observations on the anterior pituitary in fetal rats gonadectomized in utero.
Endocrinol Jap 19:483-7, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ FEEDBACK/ FEMALE/ FETUS/ MALE/ *OVARY, embryology/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ RATS/ SEX FACTORS/ *TESTIS, embryology

2627. **Nakai Y, Imura H, Yoshimi T:** [Effect of the intravenous administration of synthetic 1-24ACTH on endogenous ACTH]
Clin Endocrinol (Tokyo) 20:879-82, Oct 72 **(Jap)**
ADDISON'S DISEASE, blood/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, blood/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, blood/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ RADIOIMMUNOASSAY/ RATS

2628. **Nakajima A, Nishimura T:** The effect of prostaglandin F2 and E1 on the electrical activity of the rabbit fallopian tube.
Acta Obstet Gynaecol Jap 19:40-6, Jan 72
*ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ *FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, physiology/ FEMALE/ MUSCLE CONTRACTION, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS

2629. **Nakamura H:** [Hyperlipemia]
Jap J Clin Med 30:2283-8, Nov 72 (56 ref.) **(Jap)**
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ ANOREXIA NERVOSA, diagnosis/ DIABETES MELLITUS, diagnosis/ ENDOCRINE DISEASES, diagnosis/ FEMALE/ HUMAN/ *HYPERLIPEMIA, diagnosis/ HYPERLIPEMIA, etiology/ HYPOPITUITARISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ PHEOCHROMOCYTOMA, diagnosis/ REVIEW

2630. **Nakamura M, Ide M, Okabayashi T, et al:** Relation between steroidogenesis and 3',5'-cyclic AMP production in isolated adrenal cells.
Endocrinol Jap 19:443-8, Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ IN VITRO/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL

2631. **Nakamura T, Tanabe Y:** Pathways for androgen synthesis in vitro by the testes of Japanese quail (Coturnix coturnix japonica).
J Endocrinol 55:499-506, Dec 72
*ANDROGENS, biosynthesis/ ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROXYPREGNENOLONE, metabolism/ HYDROXYPROGESTERONE, metabolism/ IN VITRO/ 17-KETOSTEROIDS, metabolism/ MALE/ NAD/ NADP/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ *QUAIL, metabolism/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, metabolism/ TRITIUM

2632. **Nakamura T, Tanabe Y:** In vitro steroidogenesis by testes of the chicken (Gallus domesticus).
Gen Comp Endocrinol 19:432-40, Dec 72
*ANDROGENS, biosynthesis/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ *CHICKENS, physiology/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROXYPREGNENOLONE, metabolism/ HYDROXYPROGESTERONE, metabolism/ IN VITRO/ ISOMERASES, metabolism/ MALE/ MICROSOMES, enzymology/ OXIDOREDUCTASES, metabolism/ PREGNENOLONE, metabolism/ STEROID HYDROXYLASES, metabolism/ TESTIS, enzymology/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis

2633. **Nakanishi S, Adhya S, Gottesman ME, et al:** In vitro repression of the transcription of gas operon by purified gal repressor.
Proc Natl Acad Sci USA 70:334-8, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMMONIUM SULFATE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COLIPHAGES, metabolism/ DNA, VIRAL, metabolism/ ESCHERICHIA COLI, metabolism/ FUCOSE, pharmacodynamics/ *GALACTOSE, biosynthesis/ GALACTOSE, pharmacodynamics/ *GENES, REGULATOR/ MOLECULAR WEIGHT/ *OPERON/ PRECIPITATION/ RNA, MESSENGER, biosynthesis/ TEMPLATES/ *TRANSCRIPTION, GENETIC/ TRANSCRIPTION, GENETIC, drug effects/ TRITIUM

2634. **Nakano R, Kotsuji F, Mizuno T, et al:** Response to luteinizing hormone releasing factor (LRF) in normal subjects and anovulatory patients.
Acta Obstet Gynecol Scand 52:171-5, 1973
ADULT/ FEMALE/ *FSH, blood/ FSH, secretion/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LH, blood/ LH, secretion/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ STERILITY, FEMALE/ STIMULATION, CHEMICAL

2635. **Nakazawa T, Yokota T:** Requirement of adenosine-3',5'-cyclic monophosphate for L-arabinose isomerase synthesis in Escherichia coli.
J Bacteriol 113:1412-8, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ARABINOSE/ CELL-FREE SYSTEM/ DNA, BACTERIAL/ EDTA, pharmacodynamics/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ ESCHERICHIA COLI, metabolism/ GLUCOSE, metabolism/ *ISOMERASES, biosynthesis/ ISOMERASES, metabolism/ RIFAMPIN, pharmacodynamics/ RNA, MESSENGER, biosynthesis/ STEREOISOMERS/ TRANSCRIPTION, GENETIC

2636. **Nambara T, Honma S, Kanayama K:** Studies on steroid conjugates. X. Significance of conjugation involved in biosynthesis of 2-methoxyestrogen.
Chem Pharm Bull (Tokyo) 20:2235-9, Oct 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ ESTRADIOL, metabolism/ *ESTROGENIC SUBSTANCES, CONJUGATED/ *ESTROGENS, biosynthesis/ ESTRONE, metabolism/ GLUCURONATES, metabolism/ MALE/ METHODS/ METHYL ETHER/ RATS/ TRITIUM

2637. **Nambara T, Matsuki Y, Kurata M:** Studies on steroid conjugates. XI. Biosynthesis of 16-epiestriol glucosiduronate.
Chem Pharm Bull (Tokyo) 20:2607-12, Dec 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ *ESTRIOL, biosynthesis/ *GLUCURONATES, biosynthesis/ GLYCOSIDES, chem synthesis/ GUINEA PIGS/ HUMAN/ INTESTINES, metabolism/ ISOMERISM/ LIVER, metabolism/ MALE/ RABBITS/ RATS/ TRITIUM

2638. **Nanbu M:** [Problems of quantitative determination of thyroid hormones and its clinical application]
Jap J Clin Pathol 20:Suppl:3, 1972 (Jap)
AGE FACTORS/ PROTEIN-BOUND IODINE TEST/ *THYROID HORMONES, analysis/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

2639. **Nancarrow CD, Buckmaster J, Chamley W, et al:** Hormonal changes around oestrus in the cow.
J Reprod Fertil 32:320-1, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, blood/ *ESTRUS/ FEMALE/ LH, blood/ PROGESTERONE, blood/ PROSTAGLANDINS, blood

2640. **Naranjo Gómez A, De la Torre Carrasco F:** Estudio clínico sobre 42 enfermos tiroidectomizados.
Rev Clin Esp 128:27-34, 15 Jan 73 (Spa)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, surgery/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY

2641. **Narotzky R, Griffith D, Stahl S, et al:** Effect of long-term L-dopa administration on brain biogenic amines and behavior in the rat.
Exp Neurol 38:218-30, Feb 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ DIENCEPHALON, metabolism/ DOPA, administration & dosage/ *DOPA, pharmacodynamics/ *DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ MEDULLA OBLONGATA/ MESENCEPHALON, metabolism/ MICROSCOPY, FLUORESCENCE/ MOTOR ACTIVITY, drug effects/ MUSCLE TONUS, drug effects/ *NOREPINEPHRINE, metabolism/ PILOERECTION, drug effects/ PONS, metabolism/ RATS/ *SEROTONIN, metabolism/ STARTLE REACTION, drug effects/ TIME FACTORS

2642. **Narumi S, Kanno M:** Effects of thiocyanate and acetylsalicylic acid on the gastric mucosal barrier in rats. Jap J Pharmacol 22:663-73, Oct 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ CARBONIC ANHYDRASE, antagonists & inhibitors/ CARBONIC ANHYDRASE, metabolism/ DEPRESSION, CHEMICAL/ GASTRIC ACIDITY DETERMINATION/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, enzymology/ GASTRIC MUCOSA, metabolism/ HYDROGEN, metabolism/ MALE/ PHENYLBUTAZONE, pharmacodynamics/ RATS/ SODIUM, metabolism/ STOMACH ULCER, chemically induced/ THIOCYANATES, administration & dosage/ *THIOCYANATES, pharmacodynamics

2643. **Nasemann T:** Die Therapie des Herpes simplex und de Zoster. Arch Dermatol Forsch 244:409-11, 1972 (Ger
ADRENAL CORTEX HORMONES, therapeutic use/ DIMETHYL SULFOXIDE, therapeutic use/ GAMMA GLOBULIN, therapeutic use/ *HERPES SIMPLEX, drug therapy/ *HERPES ZOSTER, drug therapy/ HERPES ZOSTER, OCULAR, drug therapy/ HERPESVIRUS, classification/ HERPESVIRUS INFECTIONS, therapy/ HUMAN/ URIDINE, therapeutic use/ VACCINE THERAPY

2644. **Nath J, Rebhun LI:** Studies on cyclic AMP levels and phosphodiesterase activity in developing sea urchin eggs. Effects of puromycin, 6-dimethylamino purine and aminophylline. Exp Cell Res 77:319-22, 15 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL DIVISION/ FERTILIZATION/ OVUM, analysis/ *OVUM, drug effects/ OVUM, enzymology/ *PHOSPHODIESTERASES, analysis/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PURINES, pharmacodynamics/ *PUROMYCIN, pharmacodynamics/ RADIOIMMUNOASSAY/ SEA URCHINS/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, analysis

2645. **Nathanielsz PW, Abel M, Smith GW:** Initiation of parturition in the rabbit by intra-aortic infusion of prostaglandin F 2 . J Endocrinol 55:617-8, Dec 72
ANIMAL EXPERIMENTS/ AORTA/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ *LABOR, INDUCED/ OVARY, blood supply/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ UTERUS, drug effects

2646. **Natochin IuV, Gusev GP, Lavrova EA:** Issledovanie ionnoĭ reguliatsii i funktsii organa Bojanusa u morskikh dvustvorchatykh molliuskov.
Zh Evol Biokhim Fiziol 8:133-41, Mar-Apr 72 (Rus)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHLORINE, metabolism/ ENGLISH ABSTRACT/ HEMOLYMPH, metabolism/ MAGNESIUM, metabolism/ *MOLLUSCA, physiology/ MUSCLES, metabolism/ MUSSELS, physiology/ POTASSIUM, metabolism/ SEAWATER/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

2647. **Nayar HS, Mathur RM, Ranade VV:** The role of serotonin (5-hydroxytryptamine) in the pulmonary arterial pressor response during acute hypoxia.
Indian J Med Res 60:1665-73, Nov 72
ANIMAL EXPERIMENTS/ ANOXIA, blood/ *ANOXIA, physiopathology/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ DOGS/ *PULMONARY ARTERY/ RESERPINE, pharmacodynamics/ SEROTONIN, blood/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology

2648. **Neathery MW, Miller WJ, Blackmon DM, et al:** Performance and milk zinc from low-zinc intake in Holstein cows. J Dairy Sci 56:212-7, Feb 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ *CATTLE, physiology/ DIET/ FATS, analysis/ FEMALE/ *LACTATION/ *MILK, analysis/ MILK PROTEINS, analysis/ *ZINC/ ZINC, blood/ ZINC, metabolism

2649. **Nedvídková J, Feit V:** Srovnání některých radioimunologických metod určení růstového hormonu v lidské plasmě (s přihlédnutím k pohlaví a akromegalii.
Vnitr Lek 19:142-50, Feb 73 (Cze)
*ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ CHILD/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ SEX FACTORS/ *SOMATOTROPIN, blood

2650. **Neelon FA, Goree JA, Lebovitz HE:** The primary empty sella: clinical and radiographic characteristics and endocrine function.
Medicine (Baltimore) 52:73-92, Jan 73
ADULT/ AGED/ CHOLESTEROL, blood/ CORTICOTROPIN, analysis/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ OBESITY, complications/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM/ PITUITARY DISEASES, complications/ PITUITARY DISEASES, pathology/ *PITUITARY DISEASES, physiopathology/ PITUITARY DISEASES, radiography/ *PITUITARY GLAND, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ PNEUMOENCEPHALOGRAPHY/ PROTEIN-BOUND IODINE TEST/ SELLA TURCICA, pathology/ *SELLA TURCICA, radiography/ SOMATOTROPIN, blood/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ VISUAL FIELDS

2651. **Neer EJ:** Biologically active (14 C) vasopressin. A new and simplified synthesis.
J Biol Chem 248:1897-900, 25 Mar 73
ADENYL CYCLASE, metabolism/ AMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effects/ *CARBON ISOTOPES/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, PAPER/ ENZYME ACTIVATION/ GEL FILTRATION/ GLYCINE/ *ISOTOPE LABELING/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, enzymology/ LYSINE/ MEMBRANES, drug effects/ MEMBRANES, enzymology/ RATS/ *VASOPRESSIN/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, isolation & purification/ VASOPRESSIN, pharmacodynamics

2652. **Neff JM:** Ultrastructure of the outer epithelium of the mantle in the clam Mercenaria mercenaria in relation to calcification of the shell. Tissue Cell 4:591-600, 1972
ANIMAL EXPERIMENTS/ CALCIUM, isolation & purification/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ CELLULAR INCLUSIONS, analysis/ *CLAMS, anatomy & histology/ DESMOSOMES/ *EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, metabolism/ HISTOCYTOCHEMISTRY/ INTERCELLULAR JUNCTIONS/ INTERCELLULAR JUNCTIONS, analysis/ MICROSCOPY, ELECTRON/ MITOCHONDRIA

2653. **Negm IM:** Volumetric growth of the prenatal rat pituitary. Acta Anat (Basel) 83:95-105, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOMETRY/ FETUS, growth & development/ ORGAN WEIGHT/ PITUITARY GLAND, cytology/ PITUITARY GLAND, embryology/ *PITUITARY GLAND, growth & development/ PITUITARY GLAND, POSTERIOR, anatomy & histology/ PITUITARY GLAND, POSTERIOR, growth & development/ *RATS, anatomy & histology/ RATS, embryology

2654. **Negoescu I, Simescu M, Heltianu C, et al:** Incidența și formele clinice ale gușii endemice în două focare după 20 de ani de profilaxie iodată (studiu comparativ în comunele Stoenești-Argeș și Buda-Ilfov.
Stud Cercet Endocrinol 24:115-23, 1973 (Rum)
*GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, therapeutic use/ RUMANIA

2655. **Neĭfakh SA, Monakhov NK, Shvartsman AL:** Izoénzimy geksokinazy v tkaniakh zlokachestvennykh opukholeĭ cheloveka.
Dokl Akad Nauk SSSR 206:743-6, 21 Sep 72 (Rus)
ELECTROPHORESIS, DISK/ FEMALE/ *HEXOKINASE, metabolism/ HUMAN/ IN VITRO/ ISOENZYMES, metabolism/ *LUNG NEOPLASMS, enzymology/ *OVARIAN NEOPLASMS, enzymology/ *RECTAL NEOPLASMS, enzymology/ *STOMACH NEOPLASMS, enzymology/ *UTERINE NEOPLASMS, enzymology

2656. **Nielsen J:** Immunological aberrations in patients with aneuploid chromosome abnormalities and in their parents. Humangenetik 16:171-6, 1972
*ANEUPLOIDY/ *AUTOANTIBODIES, analysis/ CELL DIVISION/ CHROMOSOMES/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME, immunology/ MALE/ MONGOLISM,

immunology/ SEX CHROMOSOME ABNORMALITIES, immunology/ THYROID GLAND, immunology/ TRISOMY/ TURNER'S SYNDROME, immunology

2657. Nelson CL, Sawmiller S, Phalen GS: Ganglions of tbe wrist and band.
J Bone Joint Surg [Am] 54:1459-64, Oct 72
ADOLESCENCE/ ADULT/ AGED/ ANESTHESIA, GENERAL/ ANESTHESIA, LOCAL/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, tberapeutic use/ FEMALE/ FINGER JOINT/ FOLLOW-UP STUDIES/ *HAND/ HUMAN/ HYALURONIDASE, tberapeutic use/ MALE/ MIDDLE AGE/ PRESSURE/ RUPTURE/ SYNOVIAL CYST, drug tberapy/ SYNOVIAL CYST, surgery/ *SYNOVIAL CYST, tberapy/ TENDONS, PARA-ARTICULAR/ TRIAMCINOLONE, tberapeutic use/ *WRIST/ WRIST JOINT

2658. Nelson RA, Wahner HW, Jones JD, et al: Metabolism of bears before, during, and after winter sleep.
Am J Pbysiol 224:491-6, Feb 73
AMINO ACIDS, blood/ AMMONIA, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ *CARNIVORA, metabolism/ CREATININE, blood/ DIURESIS/ ERYTHROCYTES, metabolism/ HEMATOCRIT/ *HIBERNATION/ LIPIDS, blood/ MALE/ OXYGEN CONSUMPTION/ PLASMA/ POTASSIUM, blood/ SODIUM, blood/ THYROID HORMONES, blood/ UREA, blood/ UREA, urine/ URIC ACID, blood/ WATER-ELECTROLYTE BALANCE

2659. Němec J, Zamrazil V, Lavičková E, et al: Pseudotumoröse Vermebrung des mediastinalen Fettgewebes beim Morbus Cusbing.
Fortscbr Geb Roentgenstr Nuklearmed 118:106-7, Jan 73 (Ger)
*ADIPOSE TISSUE/ ADULT/ CASE REPORT/ *CUSHING'S SYNDROME, compilcations/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *MEDIASTINAL DISEASES, compilcations/ MEDIASTINAL DISEASES, diagnosis/ MEDIASTINAL NEOPLASMS, diagnosis

2660. Nenot JC, Morin M, Skupinski W, et al: Experimental removal of 144 Ce, 241 Am, 242 Cm and 238 Pu from tbe rat skeleton. Healtb Pbys 23:635-40, Nov 72
AEROSOLS/ *AMERICIUM/ ANIMAL EXPERIMENTS/ *BONE AND BONES/ BONE AND BONES, analysis/ *CERIUM/ CHEMISTRY/ *CURIUM/ DTPA, administration & dosage/ *DTPA, tberapeutic use/ FECES, analysis/ INJECTIONS, INTRAMUSCULAR/ LIVER, analysis/ MALE/ *PLUTONIUM/ RADIATION INJURIES, prevention & control/ RADIOMETRY/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

2661. Netakhata ZhN, Liapun SN: Izuchenie sallvatsii u cheloveka v norme i pri patologii.
Klin Med (Mosk) 50:15-22, Sep 72 (Rus)
ADRENAL GLANDS, pbysiology/ AGE FACTORS/ AMYLASE/ BILIARY TRACT DISEASES, pbysiopatbology/ BRAIN NEOPLASMS, pbysiopathology/ DENTAL CARIES SUSCEPTIBILITY/ FEMALE/ FOOD/ GASTROINTESTINAL DISEASES, pbysiopatbology/ HEART FAILURE, CONGESTIVE, metabolism/ HORMONES, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MINERALOCORTICOIDS, pbysiology/ NITROGEN, secretion/ PAROTIN, pharmacodynamics/ PEPTIC ULCER, pbysiopatbology/ PREGNANCY/ SALIVA, analysis/ SALIVA, enzymology/ SALIVARY GLANDS, innervation/ SALIVARY GLANDS, pbysiopathology/ SALIVARY GLANDS, secretion/ *SALIVATION/ THYROID GLAND, pbysiology

2662. Nette L, Hedinger C: Chorionepitheliom bei einer 61jäbrigen Frau.
Scbweiz Med Wocbenschr 103:208-11, 10 Feb 73 (Ger)
AGE FACTORS/ CHORIOCARCINOMA, classification/ *CHORIOCARCINOMA, pathology/ FEMALE/ HUMAN/ LUNG NEOPLASMS, classification/ LUNG NEOPLASMS, pathology/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ UTERINE NEOPLASMS, classification/ *UTERINE NEOPLASMS, pathology

2663. Neuberger A: Sir Charles Harington (1897-1972).
Biocbem J 129:801-4, Oct 72
ACADEMIES AND INSTITUTES/ *BIOCHEMISTRY, bistory/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ IMMUNOCHEMISTRY/ INTERNATIONAL COOPERATION/ PUBLISHING/ RESEARCH/ THYROXINE

2664. Neuman WF, Mulryan BJ, Neuman MW, et al: Calcium transport systems in tbe chick calvaria.
Am J Pbysiol 224:600-6, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ *BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CHICK EMBRYO/ CHICKENS/ CULTURE MEDIA/ FRONTAL BONE/ MEMBRANES, pbysiology/ MODELS, BIOLOGICAL/ PERIOSTEUM, pbysiology

2665. Newberne PM, Glaser O, Friedman L, et al: Safety evaluation of fish protein concentrate over five generations of rats.
Toxicol Appl Pharmacol 24:133-41, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CASEIN/ CORPUS LUTEUM, drug effects/ DIET/ FEMALE/ FETUS/ *FISH PRODUCTS, toxicity/ GROWTH, drug effects/ LACTATION, drug effects/ MALE/ MINERALS/ NIDATION, drug effects/ ORGAN WEIGHT/ PREGNANCY/ PROTEINS, pharmacodynamics/ *PROTEINS, toxicity/ RATS/ REPRODUCTION, drug effects/ SEX FACTORS/ UTERUS, drug effects

2666. Newsome FE, O'Dor RK, Parkes CO, et al: A study of the stability of calcitonin biological activity.
Endocrinology 92:1102-6, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CALCIUM, blood/ CATTLE/ CHICKENS/ FISHES/ HUMAN/ IN VITRO/ KIDNEY/ LIVER/ NEPHRECTOMY/ PLASMA/ RATS/ SALMON/ SWINE/ THYROCALCITONIN, blood/ *THYROCALCITONIN, pharmacodynamics/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics

2667. Newsome HH Jr, Manalan SA: Plasma cortisol and cortisone concentrations following postoperative adrenal steroid replacement.
Surgery 73:429-33, Mar 73
*ADRENALECTOMY/ CORTISONE, blood/ *CORTISONE, tberapeutic use/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, tberapeutic use/ POSTOPERATIVE CARE

2668. Nicander L: The effects on tbe male genital organs and dogs of a new antifertility compound KABI 1774.
J Reprod Fertil 31:517-8, Dec 72
ANIMAL EXPERIMENTS/ BENZENE DERIVATIVES, pharmacodynamics/ EPIDIDYMIS, drug effects/ FERTILITY, drug effects/ *GENITALIA, MALE, drug effects/ MALE/ MICROSCOPY, ELECTRON/ RABBITS/ *SILICONES, pharmacodynamics/ SPERMATOZOA, drug effects/ *STERILITY, MALE, cbemically induced/ *STERILIZATION, SEXUAL/ TESTIS, drug effects

2669. Nicholls A, Snaith ML, Scott JT: Effect of oestrogen tberapy on plasma and urinary levels of uric acid.
Br Med J 1:449-51, 24 Feb 73
ADULT/ CREATININE, blood/ CREATININE, urine/ DIET THERAPY/ DIETHYLSTILBESTROL, therapeutic use/ *ESTROGENS, tberapeutic use/ ETHINYL ESTRADIOL, tberapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PURINES/

TRANSSEXUALISM, drug therapy/ *URIC ACID, analysis/ URIC ACID, blood/ URIC ACID, urine

2670. **Nickels J, Franssila K, Hjelt L:** Thymoma and Hodgkin's disease of the thymus.
Acta Pathol Microbiol Scand [A] 81:1-5, Jan 73
ADOLESCENCE/ ADULT/ CELL DIVISION/ CELL NUCLEUS/ CHILD/ CYTOPLASM/ DIAGNOSIS, DIFFERENTIAL/ EOSINOPHILS/ FEMALE/ HISTIOCYTES/ *HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, pathology/ HUMAN/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY/ NEUTROPHILS/ PLASMA CELLS/ PROGNOSIS/ *THYMOMA, diagnosis/ THYMOMA, pathology/ *THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, pathology

2671. **Nickerson PA:** Adrenal zona glomerulosa after hypophysectomy in the Mongolian gerbil.
Tissue Cell 4:677-86, 1972
*ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ FEMALE/ *GERBILS/ GOLGI APPARATUS/ *HYPOPHYSECTOMY/ MICROSCOPY/ MITOCHONDRIA/ ORGAN WEIGHT/ TIME FACTORS

2672. **Nickorick E, Reynolds FB:** Clinical comparison of D-tubocurarine and pancuronium: dosage schedule based on lean body mass.
Can Anaesth Soc J 20:217-26, Mar 73
ACTION POTENTIALS/ ADULT/ *ANDROSTANES/ *ANESTHESIA ADJUVANTS/ ATROPINE, pharmacodynamics/ BODY COMPOSITION/ CARBON DIOXIDE, blood/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MIDDLE AGE/ MUSCLES, physiology/ NEOSTIGMINE, pharmacodynamics/ PANCURONIUM/ PANCURONIUM, administration & dosage/ PILOT PROJECTS/ TIME FACTORS/ *TUBOCURARINE/ TUBOCURARINE, administration & dosage

2673. **Nicolaidis S, Melle MJ:** Catographie des lésions hypothalamiques supprimant la réponse alimentaire aux injections intracardiaques du 2-déoxy-e-glucose.
J Physiol (Paris) 65:Suppl 1:151A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CARBOHYDRATES, metabolism/ CHEMORECEPTORS, physiology/ *FEEDING BEHAVIOR, drug effects/ *HEXOSES, pharmacodynamics/ *HYPOTHALAMUS, physiology/ INJECTIONS/ RATS

2674. **Nicolescn-Catargi A, Fanre JM, Vincent JD:** Influence de l'hormone corticotrope sur les circuits amygdalo-ventro-médians chez le lapin libre éveillé.
J Physiol (Paris) 65:Suppl:278A, Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROPHYSIOLOGY/ EVOKED POTENTIALS, drug effects/ *HYPOTHALAMUS, drug effects/ *LIMBIC SYSTEM, drug effects/ PERFUSION/ RABBITS/ *THALAMIC NUCLEI, drug effects

2675. **Nicolis GL, Sabetghadam R, Hsn CC, et al:** Breast cancer after mumps orchitis.
JAMA 223:1032-3, 26 Feb 73
*BREAST NEOPLASMS, etiology/ *CARCINOMA, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *MUMPS, complications/ *ORCHITIS, complications/ ORCHITIS, etiology/ ORCHITIS, pathology/ ORCHITIS, surgery/ TESTIS, pathology/ TESTIS, surgery

2676. **Nielsen J:** Diabetes mellitus in patients with aneuploid chromosome aberrations and in their parents.
Humangenetik 16:165-70, 1972
*ANEUPLOIDY/ CELL DIVISION/ CHROMOSOMES/ *DIABETES MELLITUS, familial & genetic/ FEMALE/ GLUCOSE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, blood/ KLINEFELTER'S SYNDROME/ MALE/ MONGOLISM/ SEX CHROMOSOMES/ SOMATOTROPIN/ TURNER'S SYNDROME

2677. **Nielsen J:** Gender role-identity and sexual behaviour in persons with sex chromosome aberrations.
Dan Med Bull 19:269-75, Dec 72
ADULT/ FEMALE/ GENOTYPE/ HUMAN/ *HYPOGONADISM/ HYPOGONADISM, familial & genetic/ *IDENTIFICATION (PSYCHOLOGY)/ *KLINEFELTER'S SYNDROME/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MIDDLE AGE/ PHENOTYPE/ RORSCHACH TEST/ SELF CONCEPT/ *SEX BEHAVIOR/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX DISORDERS/ THEMATIC APPERCEPTION TEST

2678. **Nielsen J, Friedrich U, Holm V, et al:** Turner-faenotype hos maend.
Ugeskr Laeger 135:122-4, 15 Jan 73 **(Dan)**
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ BODY CONSTITUTION/ *CRYPTORCHISM/ *DWARFISM/ ENGLISH ABSTRACT/ HUMAN/ KARYOTYPING/ MALE/ SEX CHROMOSOMES/ TURNER'S SYNDROME, familial & genetic

2679. **Nielsen J, Friedrich U, Holm V, et al:** Børn med kromosomabnormiteter i en paediatrisk afdeling.
Ugeskr Laeger 135:408-15, 19 Feb 73 **(Dan)**
ABNORMALITIES, MULTIPLE/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOME ABNORMALITIES/ CHROMOSOMES, HUMAN, 16-18/ ENGLISH ABSTRACT/ FEMALE/ GENETIC COUNSELING/ HEPATITIS, congenital/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MONGOLISM/ SEX CHROMOSOME ABNORMALITIES/ SKULL, abnormalities/ SYNDROME/ TRISOMY/ TURNER'S SYNDROME

2680. **Nielsen J, Johnsen SG:** Pituitary gonadotrophins and 17-ketosteroids in patients with the XYY syndrome.
Acta Endocrinol (Kbh) 72:191-6, Jan 73
ADULT/ DEHYDROEPIANDROSTERONE, urine/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ SEX CHROMOSOME ABNORMALITIES, blood/ *SEX CHROMOSOME ABNORMALITIES, urine/ TESTOSTERONE, blood/ TESTOSTERONE, urine

2681. **Nielsen R:** The effect of polyene antibiotics on the aldosterone induced changes in sodium transport across isolated frog skin.
J Steroid Biochem 3:121-8, Feb 72
*ALDOSTERONE, pharmacodynamics/ *ALKENES, pharmacodynamics/ AMPHOTERICIN B, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ DRUG INTERACTIONS/ ELECTROPHYSIOLOGY, instrumentation/ FEMALE/ FROGS/ IN VITRO/ MALE/ POTASSIUM, metabolism/ RANA TEMPORARIA/ RUBIDIUM, metabolism/ SKIN, physiology/ *SKIN ABSORPTION, drug effects/ *SODIUM, metabolism/ TIME FACTORS

2682. **Niermann H, Nolting S:** Diagnostik von Fertilitätsstörungen nach Genitalverletzungen.
Arch Dermatol Forsch 244:464-6, 1972 **(Ger)**
ADOLESCENCE/ ADULT/ EUNUCHISM, etiology/ *GENITALIA, MALE, injuries/ HEAD INJURIES, complications/ HUMAN/ IMPOTENCE/ MALE/ MIDDLE AGE/ RADIATION EFFECTS/ *STERILITY, MALE, etiology/ TESTIS, radiation effects

2683. **Nieschlag E, Usadel KH, Schwedes U, et al:** Alterations in testicular morphology and function in rabbits following active immunization with testosterone.
Endocrinology 92:1142-7, Apr 73

ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BODY WEIGHT/ CASTRATION/ IMMUNIZATION/ LEYDIG CELLS, drug effects/ MALE/ ORGAN WEIGHT/ RABBITS/ SPERMATOGENESIS, drug effects/ TESTIS, cytology/ *TESTIS, drug effects/ TESTIS, physiology/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2684. **Niewiedzioł B:** Badania nad ośrodkami wegetatywnymi mózgu u dzieci. Pol Tyg Lek 28:65-7, 8 Jan 73 (Pol)
ADRENAL GLANDS, physiology/ AGE FACTORS/ *AUTONOMIC NERVOUS SYSTEM, physiology/ *BRAIN, physiology/ CHILD/ HOMEOSTASIS/ HUMAN/ HYPOTHALAMUS, physiology/ PITUITARY GLAND, physiology

2685. **Niggemeyer H, Sandhage K:** Marginalien zur Thymushyperplasie: Angehoren in Kombination mit Nebennierenhypoplasie und Zytomegalie bzw. Myokarditis.
Klin Paediatr 184:501-7, Nov 72 (Ger)
ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENAL GLANDS, abnormalities/ AGE FACTORS/ CYANOSIS/ *CYTOMEGALIC INCLUSION DISEASE, complications/ DYSPNEA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *MYOCARDITIS, complications/ PREDNISONE, therapeutic use/ *THYMUS HYPERPLASIA, complications/ THYMUS HYPERPLASIA, congenital/ THYMUS HYPERPLASIA, drug therapy/ THYMUS HYPERPLASIA, radiography

2686. **Niiyama Y, Kishi K, Endo S, et al:** Effect of diets devoid of one essential amino acid on pregnancy in rats maintained hy ovarian steroids.
J Nutr 103:207-12, Feh 73
*AMINO ACIDS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DEFICIENCY DISEASES/ DEFICIENCY DISEASES, complications/ DNA, metaholism/ *ESTRONE, pharmacodynamics/ FEMALE/ FETAL DISEASES, etiology/ FETUS, growth & development/ GESTATIONAL AGE/ ISOLEUCINE/ LEUCINE/ LYSINE/ METHIONINE/ PLACENTA, growth & development/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PROGESTERONE, pharmacodynamics/ RATS/ REPRODUCTION/ RNA, metabolism/ TRYPTOPHAN/ UTERUS, growth & development/ VALINE

2687. **Niiyama Y, Sakai K, Kishi K, et al:** Effect of ovarian steroids during early and mid pregnancy on uterine protein metabolism in malnourished rats.
Jap J Physiol 22:505-16, Oct 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ *DEFICIENCY DISEASES, metabolism/ DNA, analysis/ ESTROGENS, analysis/ ESTRONE, administration & dosage/ *ESTRONE, pharmacodynamics/ ESTRONE, physiology/ ESTRONE, therapeutic use/ FEMALE/ FETAL DEATH, prevention & control/ ISOLEUCINE/ LEUCINE, metabolism/ LIVER, analysis/ MUSCLES, analysis/ NUCLEIC ACIDS, metaholism/ PREGNANCY/ *PREGNANCY COMPLICATIONS, metabolism/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ PROGESTERONE, therapeutic use/ *PROTEINS, metabolism/ RATS/ RNA, analysis/ SPECTROPHOTOMETRY/ UTERUS, analysis/ *UTERUS, metabolism

2688. **Nijensohn E, McCartney W, Hoffer PB:** Identification of iodine in a supraclavicular lymph node following lymphography: a fluorescent scan artifact.
J Nucl Med 14:179-80, Mar 73
CASE REPORT/ *CONTRAST MEDIA, adverse effects/ FEMALE/ HUMAN/ *IODINE, analysis/ *LYMPHOGRAPHY, adverse effects/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ THYROID GLAND, analysis

2689. **Nikitin VM:** Biokhimizm i endokrynnyĭ spektr orhanizmu pry eksperymental'nomu podovzhenni shyttia lahoratornykh tvaryn.
Fiziol Zh 18:469-78, Jul-Aug 72 (Ukr)
ANIMAL EXPERIMENTS/ *DNA, physiology/ ENGLISH ABSTRACT/ LONGEVITY/ *PITUITARY-ADRENAL SYSTEM/ *RNA, physiology/ *THYROID GLAND, physiology

2690. **Nikitina MM:** Vliianie kastratsii na follikulostimuliriushchuiu funktsiiu gipofiza u intaktnykh i androgenizirovannykh krys v ontogeneze.
Prohl Endokrinol (Mosk) 18:97-102, Nov-Dec 72 (Rus)
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ FSH, biosynthesis/ FSH, blood/ *FSH, secretion/ MALE/ *PITUITARY GLAND, secretion/ PROPIONATES, pharmacodynamics/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

2691. **Nikul'cheva NG:** Izuchenie s pomoshch'iu neĭrotropnykh sredstv mekhanizmov mobilizatsii neésterifitsirovannykh zhirnykh kislot, vyzvannoĭ chrezvychaĭnym razdrazheniem krys.
Farmakol Toksikol 35:610-5, Sep-Oct 72 (Rus)
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, metabolism/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ CHOLESTEROL, metabolism/ CORTICOTROPIN, physiology/ *ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, metabolism/ *IMMOBILIZATION/ *LIPID MOBILIZATION, drug effects/ MALE/ PAIN/ *PHENOBARBITAL, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics

2692. **Nilsson BE, Westlin NE:** Changes in bone mass in alcoholics. Clin Orthop 90:229-32, Jan-Feb 73
AGE FACTORS/ ALCOHOLISM, complications/ *ALCOHOLISM, metabolism/ *BONE AND BONES, metabolism/ BONE RESORPTION, etiology/ DENSITOMETRY/ FRACTURES, SPONTANEOUS, etiology/ HUMAN/ MIDDLE AGE/ MINERALS, analysis/ *MINERALS, metabolism/ RADIUS, analysis/ RADIUS, metabolism/ ULNA, analysis/ ULNA, metabolism

2693. **Nirmalan GP, Robinson GA:** Changes in the plasma volume (125 I-serum albumin label) and the total circulating erythrocyte mass (51 CrO 4 label) in Japanese quail treated with stilbestrol or with testosterone. Gen Comp Endocrinol 20:150-4, Feh 73
ANIMAL EXPERIMENTS/ CHROMIUM ISOTOPES/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ERYTHROCYTES/ *ERYTHROPOIESIS, drug effects/ FEMALE/ HEMATOCRIT/ MALE/ *PLASMA VOLUME, drug effects/ *QUAIL, physiology/ SERUM ALBUMIN, RADIO-IODINATED/ SEX FACTORS/ STIMULATION, CHEMICAL/ *TESTOSTERONE, pharmacodynamics

2694. **Nishikawa Y:** The kinetics of the pituitary-gonadal system of albino rats during steroid treatment.
Acta Obstet Gynaecol Jap 19:1-15, Jan 72
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ FSH, secretion/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ LH, secretion/ MEGESTROL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ *OVARY, drug effects/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS

2695. Nishikawa Y: The kinetics of the human pituitary-gonadal system during steroid treatment.
Kobe J Med Sci 18:109-31, Jun 72
ADULT/ AMENORRHEA, drug therapy/ *ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ ESTROGENS, urine/ FEMALE/ FSH, urine/ HUMAN/ KINETICS/ LH, urine/ OVARY, drug effects/ *OVARY, physiology/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTATIONAL HORMONES, therapeutic use

2696. Nishimura M, Urakawa N: A transport mechanism of mercury into ovarian follicles in laying quail.
Jap J Pharmacol 22:605-16, Oct 72
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ EGG YOLK, analysis/ ELECTROPHORESIS/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ MERCURY, analysis/ MERCURY, blood/ *MERCURY, metabolism/ MERCURY ISOTOPES/ *OVARY, metabolism/ PROTEIN BINDING/ QUAIL/ ULTRACENTRIFUGATION

2697. Nissen NI, Stutzman L, Holland JF, et al: Chemotherapy of Hodgkin's disease in studies by acute leukemia group B.
Arch Intern Med 131:396-401, Mar 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ CARMUSTINE, administration & dosage/ CARMUSTINE, therapeutic use/ CHLORAMBUCIL, administration & dosage/ CHLORAMBUCIL, therapeutic use/ COMPARATIVE STUDY/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ VINBLASTINE, administration & dosage/ VINBLASTINE, therapeutic use/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

2698. Nissley SP, Drash AL, Blizzard RM, et al: Comparison of juvenile diabetics with positive and negative organ specific antibody titers. Evidence for genetic heterogeneity. Diabetes 22:63-5, Jan 73
ADOLESCENCE/ ADRENAL GLANDS, immunology/ ADULT/ AGE FACTORS/ *AUTOANTIBODIES, analysis/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, JUVENILE, drug therapy/ DIABETES MELLITUS, JUVENILE, familial & genetic/ *DIABETES MELLITUS, JUVENILE, immunology/ EPITHELIUM, immunology/ GASTRIC MUCOSA, immunology/ HUMAN/ INFANT/ INSULIN, therapeutic use/ *ORGAN SPECIFICITY/ THYROGLOBULIN/ THYROID GLAND, immunology

2699. Nitschke U, Link K: Beitrag zur Klinik und Biochemie hormonproduzierender Nebennierenkarzionome.
Z Gesamte Inn Med 27:896-905, 15 Oct 72 (Ger)
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, enzymology/ ADRENAL GLAND NEOPLASMS, mortality/ ADRENAL GLAND NEOPLASMS, physiopathology/ ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ FACIAL EXPRESSION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ REMISSION

2700. Noack W, Merker HJ: Zellstoffwechsel.
Arch Dermatol Forsch 244:112-6, 1972 (Ger)
CELL DIFFERENTIATION/ CELL MOVEMENT/ *CONNECTIVE TISSUE CELLS, metabolism/ FIBROBLASTS, metabolism/ HUMAN/ LIPIDS, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION/ STEROIDS, metabolism/ WOUND HEALING

2701. Noesiund G: Blastocystotoxic effect of copper in vitro.
Contraception 6:281-5, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ CELLS, CULTURED/ COPPER, pharmacodynamics/ COPPER, toxicity/ DEPRESSION, CHEMICAL/ FEMALE/ IN VITRO/ MICE/ OVARY, physiology/ OVUM, drug effects/ OVUM, growth & development/ PROGESTERONE, pharmacodynamics/ SPECIAL LIST REPRODUCTION

2702. Nordentoft AM, Jensen KB: Combination chemotherapy in Hodgkin's disease.
Dan Med Bull 20:52-60, Mar 73
ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARMUSTINE, therapeutic use/ CHILD/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ PROGNOSIS/ RECURRENCE/ TIME FACTORS/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

2703. Nordlund JJ, Lerner AB, Braverman IM, et al: The multiple lentigines syndrome.
Arch Dermatol 107:259-61, Feb 73
ADULT/ APHASIA, etiology/ AUDIOMETRY/ BONE AND BONES, abnormalities/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ *HEARING DISORDERS, complications/ HEART BLOCK, diagnosis/ HUMAN/ *LENTIGO, complications/ LENTIGO, pathology/ MALE/ MELANOCYTES/ MICROSCOPY, ELECTRON/ *NERVOUS SYSTEM DISEASES, complications/ NEURAL CONDUCTION/ PERIPHERAL NERVES, physiopathology/ SKIN, pathology/ SYNDROME/ TOMOGRAPHY/ VECTORCARDIOGRAPHY

2704. Norman RL, Blake CA, Sawyer CH: Evidence for neural sites of action of phenobarbital and progesterone on LH release in the hamster. Biol Reprod 8:83-6, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORPUS LUTEUM, physiology/ DENERVATION/ DRUG SYNERGISM/ ESTRUS/ FEMALE/ *HAMSTERS, physiology/ HYPOTHALAMUS, physiology/ LH, blood/ *LH, secretion/ NEURONS, AFFERENT, physiology/ OVULATION/ OVULATION, drug effects/ *PHENOBARBITAL, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RECEPTORS, NEURAL

2705. Norpoth K, Rauen HM: Regulation des Cyclophosphamidstoffwechsels bei der Ratte.
Hoppe Seylers Z Physiol Chem 353:1553-4, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ CYCLOPHOSPHAMIDE, blood/ *CYCLOPHOSPHAMIDE, metabolism/ CYCLOPHOSPHAMIDE, urine/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYDROXYLATION/ MALE/ OXIDATION-REDUCTION/ RATS/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics

2706. Norris HT: Changing pattern of autopsy findings in patients dying of cholera after 1960.
Am J Trop Med Hyg 22:215-22, Mar 73
ADOLESCENCE/ ADRENAL GLANDS, pathology/ ADULT/ AUTOPSY/ CHILD/ CHILD, PRESCHOOL/ *CHOLERA, pathology/ FEMALE/ GASTROINTESTINAL SYSTEM,

pathology/ HUMAN/ INFANT/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ MIDDLE AGE/ MYOCARDIUM, pathology/ RETROSPECTIVE STUDIES

2707. **Norström A, Eggertsen G, Fredén H, et al:** A study of lactate dehydrogenase (LDH) in the supraopticohypophyseal system of the rat.
Exp Neurol 37:502-9, Dec 72
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, enzymology/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, enzymology/ HYPOTHALAMUS, enzymology/ *LACTATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ MALE/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, enzymology/ RATS/ WATER-ELECTROLYTE BALANCE

2708. **Nouel JP, Brunelle P, Chomant J, et al:** La triiodothyronine sérique en pathologie thyroïdienne. Intérêt de son dosage. Résultats préliminaires chez 207 sujets.
Nouv Presse Med 2:219-22, 27 Jan 73 **(Fre)**
ADULT/ AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2709. **Nouet JC, Kujas M:** Répartition topographique des mitoses dans l'adénohypophyse de rat fixée par immersion. C R Soc Biol (Paris) 166:774-9, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ HISTOLOGICAL TECHNICS/ *MITOSIS/ *PITUITARY GLAND, cytology/ RATS

2710. **Novotný A, Dvořák V:** Vztah mezi endokrinní činností ovarií a výskytem cévních choroh.
Cas Lek Cesk 112:76-80, 19 Jan 73 **(Cze)**
ADULT/ AGED/ CLIMACTERIC/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ GYNECOLOGIC DISEASES, surgery/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, etiology/ MYOCARDIAL INFARCT, prevention & control/ *OVARY, physiology/ POSTOPERATIVE COMPLICATIONS/ *PULMONARY EMBOLISM, etiology/ PULMONARY EMBOLISM, prevention & control/ SEX FACTORS

2711. **Nowicki Z, Sarnecka-Keller M, Pawlicki R, et al:** Morphological and chemical analysis of the structure of the fossil dinosaur bone. Anat Anz 132:10-23, 1972
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE AND BONES, cytology/ FINGERS/ MICROSCOPY, ELECTRON/ *PALEONTOLOGY

2712. **Nudemberg F, Kothari M, Karam K, et al:** Effects of the "pill-a-month" on the hypothalamic-pituitary-ovarian axis. Fertil Steril 24:185-90, Mar 73
*CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ESTROGENS, blood/ *ESTROGENS, pharmacodynamics/ FEMALE/ FSH, blood/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, drug effects/ LH, blood/ *OVARY, drug effects/ OVULATION, drug effects/ *PITUITARY GLAND, drug effects/ PREGNANCY/ *PROGESTATIONAL HORMONES, pharmacodynamics/ QUINESTROL, pharmacodynamics/ QUINGESTANOL, pharmacodynamics

2713. **Nüesch H, Siebenmann R:** Die Wirkung von Aminoglutethimid auf die Zwischenzellen des Rattenhodens.
Virchows Arch [Pathol Anat] 358:149-62, 1973 **(Ger)**
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPERTROPHY/ *LEYDIG CELLS, drug effects/ MALE/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ TESTIS, drug effects/ TESTIS, pathology

2714. **Nurmio P, Vaitonen M:** A study of the effect of short-term progesterone treatment of serum calcium and inorganic phosphorus concentration in the rat.
Acta Vet Scand 13:185-90, 1972
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ DIET/ FEMALE/ PARATHYROID GLANDS, physiology/ PARESIS, prevention & control/ *PHOSPHORUS, blood/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

2715. **Nygren KG, Johansson ED, Wide L:** Postovulatory contraception in women with large doses of norethindrone. Contraception 5:445-56, Jun 72
ADULT/ ESTRADIOL, blood/ FEMALE/ FERTILITY, drug effects/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MENSTRUATION, drug effects/ NIDATION, drug effects/ NORETHINDRONE, administration & dosage/ NORETHINDRONE, pharmacodynamics/ OVULATION/ PREGNANCY/ PROGESTERONE, blood/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

2716. **Nygren KG, Persson BH:** Uterus didelphys with an abortion into a unilateral imperforate vagina.
Acta Obstet Gynecol Scand 52:187-9, 1973
ABORTION/ ADULT/ CELL MOVEMENT/ FEMALE/ FERTILIZATION/ HUMAN/ KIDNEY, abnormalities/ OVARIAN CYSTS/ PREGNANCY/ *PREGNANCY, ECTOPIC/ SPERMATOZOA, physiology/ *UTERUS, abnormalities/ *VAGINA, abnormalities

2717. **Nyquist SE, Acuff K, Mollenhauer HH:** Residual bodies and their components. I. Isolatin methods.
Biol Reprod 8:119-24, Feb 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION/ CYTOLOGICAL TECHNICS/ CYTOPLASM/ CYTOPLASM, analysis/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ LIPIDS, analysis/ LIPIDS, isolation & purification/ MALE/ MEMBRANES/ METHODS/ MICROSCOPY, ELECTRON/ PROTEINS, analysis/ RATS/ RNA, analysis/ *SEMINAL VESICLES, cytology/ SPERMATOGENESIS/ *TESTIS, cytology/ ULTRACENTRIFUGATION

O

2718. **Oberiter V, Hajnžič TF, Sabadi V, et al:** Obiteljski i sporadični hipofosfatemični vitamin D rezistentni rahitis.
Acta Med Iugosl 26:339-63, 1972 **(Cro)**
ADULT/ CALCIUM, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ MALE/ *PHOSPHATES, blood/ PHOSPHORUS, therapeutic use/ RICKETS, VITAMIN D RESISTANT, drug therapy/ *RICKETS, VITAMIN D RESISTANT, familial & genetic/ VITAMIN D, therapeutic use

2719. **O'Brien JS, Ho MW, Veath ML, et al:** Juvenile GM 1 gangliosidosis: clinical, pathological, chemical and enzymatic studies. Clin Genet 3:411-34, 1972
AGE FACTORS/ BIOPSY/ BONE AND BONES, radiography/ BONE MARROW, pathology/ BRAIN CHEMISTRY/ CEREBRAL CORTEX, pathology/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GALACTOSIDASE, metabolism/ GANGLIOSIDES, analysis/ *GANGLIOSIDES, metabolism/ GLUCOSAMINIDASE, metabolism/ HUMAN/ INFANT/ *LIPID METABOLISM, INBORN ERRORS/ LIPID METABOLISM, INBORN ERRORS, diagnosis/ LIPID

METABOLISM, INBORN ERRORS, enzymology/ LIPID METABOLISM, INBORN ERRORS, pathology/ LIPID METABOLISM, INBORN ERRORS, radiography/ LIVER, pathology/ MALE/ MICROSCOPY, ELECTRON/ POLYSACCHARIDES, metabolism

2720. **O'Brien PH:** Papillary carcinoma of the thyroid.
J SC Med Assoc 69:66-7, Feb 73
*CARCINOMA, therapy/ CARCINOMA, PAPILLARY, surgery/ HUMAN/ PROGNOSIS/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy

2721. **O'Brien RA, Da Prada M, Pletscher A:** The ontogenesis of catecholamines and adenosine-5'-triphosphate in the adrenal medulla. Life Sci [I] 11:749-59, 15 Aug 72
ADENOSINE TRIPHOSPHATE, analysis/ *ADENOSINE TRIPHOSPHATE, biosynthesis/ ADRENAL MEDULLA, analysis/ *ADRENAL MEDULLA, growth & development/ ADRENAL MEDULLA, metabolism/ AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CATECHOLAMINES, biosynthesis/ CHROMAFFIN SYSTEM, analysis/ EPINEPHRINE, analysis/ EVOLUTION/ FEMALE/ FETUS, growth & development/ GESTATIONAL AGE/ NOREPINEPHRINE, analysis/ PREGNANCY/ RABBITS/ RATS/ TIME FACTORS

2722. **O'Brien TG, Sweeney DF:** Interstitial viral pneumonitis complicated by severe respiratory failure. Successful management using intensive dehydration and steroids. Chest 63:314-22, Mar 73
ACUTE DISEASE/ AGED/ ANOXEMIA, etiology/ *DIURETICS, therapeutic use/ FEMALE/ FUROSEMIDE, administration & dosage/ HUMAN/ MALE/ MANNITOL, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ *PNEUMONIA, VIRAL, complications/ *RESPIRATORY INSUFFICIENCY, etiology/ RESPIRATORY INSUFFICIENCY, therapy/ SERUM ALBUMIN, administration & dosage/ WATER-ELECTROLYTE BALANCE

2723. **Ochi Y, Shiomi K, Yatani T, et al:** [Abnormal binding of thyroid hormones and serum gamma-globulin fractions in Hashimoto's disease]
Clin Endocrinol (Tokyo) 20:1085-9, Dec 72 **(Jap)**
AUTORADIOGRAPHY/ ELECTROPHORESIS/ *GAMMA GLOBULIN/ HUMAN/ IODINE ISOTOPES/ *PROTEIN BINDING/ RABBITS, immunology/ THYROGLOBULIN/ *THYROID HORMONES/ *THYROIDITIS, LYMPHOMATOUS, immunology

2724. **O'Connor JM:** Pituitary gonadotropin release patterns in pre-spawning brook trout, Salvelinus fontinalis, rainbow trout, Salmo gairdneri and leopard frogs, Rana pipiens.
Comp Biochem Physiol [A] 43:739-46, 1 Dec 72
ANIMAL EXPERIMENTS/ CHICKENS/ CIRCADIAN RHYTHM/ FEMALE/ FROGS/ GONADOTROPINS, PITUITARY, pharmacodynamics/ *GONADOTROPINS, PITUITARY, secretion/ MALE/ PHOSPHORUS ISOTOPES/ PITUITARY GLAND, secretion/ *RANA PIPIENS/ *SALMONIDAE/ TESTIS, drug effects/ TIME FACTORS

2725. **Odent M:** Hydrocopotomie et hydroculdoscopie.
Nouv Presse Med 2:187, 20 Jan 73 **(Fre)**
BIOPSY/ *CULDOSCOPY/ FEMALE/ GYNECOLOGIC DISEASES, surgery/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ METHODS/ OVARY/ PERITONEAL CAVITY/ POSTURE/ PREOPERATIVE CARE/ STERILIZATION, SEXUAL/ *VAGINA, surgery

2726. **Odinokova VA, Kondaienko VF:** Adenomy shchitovidnof zhelezy slozhnogo stroenila.
Arkh Patol 35:52-7, 1973 **(Rus)**
*ADENOMA, pathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOCHONDRIA/ ORGANOIDS/ *THYROID NEOPLASMS, pathology

2727. **O'Donnell JM, Smith MW:** Metal inhibitors of calcium uptake by the duodenum of the rat.
J Physiol (Lond) 227:12P-13P, Dec 72
ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ DEPRESSION, CHEMICAL/ DUODENUM, cytology/ *DUODENUM, metabolism/ *INTESTINAL ABSORPTION, drug effects/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ *METALS, pharmacodynamics/ MICROSCOPY, ELECTRON/ PRASEODYMIUM, pharmacodynamics/ RATS/ STRONTIUM, pharmacodynamics

2728. **Oe N, Fujita H, Ishino T, et al:** [Case of diabetes with Morquio's disease and gonadal dysfunction]
Jap J Clin Med 30:2136-9, Oct 72 **(Jap)**
*DIABETES MELLITUS, complications/ *ECCENTRO- OSTEOCHONDRODYSPLASIA, complications/ HUMAN/ *HYPOGONADISM, complications/ MALE/ MIDDLE AGE

2729. **Oeriu S, Winter D, Dobre V, et al:** Uber Veränderungen des Ca45 Stoffwechsels bei Tieren erschiedenen Alters. Z Alternsforsch 26:113-9 passim, 1972 **(Ger)**
ADMINISTRATION, ORAL/ AGE FACTORS/ ANIMAL EXPERIMENTS/ AORTA, analysis/ BONE AND BONES, metabolism/ CALCIUM, administration & dosage/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM ISOTOPES/ FECES, analysis/ FEMUR, analysis/ INTESTINAL ABSORPTION/ MUSCLES, analysis/ RATS/ TIME FACTORS

2730. **Ogami S:** Change of delta activity during rapid eye movement sleep in patients with brain tumor. Electroencephalogr Clin Neurophysiol 34:153-62, Feb 73
ADOLESCENCE/ ADULT/ ANGIOSARCOMA, physiopathology/ ASTROCYTOMA, physiopathology/ *BRAIN NEOPLASMS, physiopathology/ CARCINOMA, EPIDERMOID, physiopathology/ *CEREBRAL CORTEX, physiopathology/ CEREBRAL HEMORRHAGE, physiopathology/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, physiopathology/ ELECTROENCEPHALOGRAPHY/ EPENDYMOMA, physiopathology/ FEMALE/ GLIOBLASTOMA MULTIFORME, physiopathology/ HUMAN/ MALE/ MEDULLOBLASTOMA, physiopathology/ MENINGIOMA, physiopathology/ MIDDLE AGE/ OLIGODENDROGLIOMA, physiopathology/ PINEALOMA, physiopathology/ *SLEEP, REM/ SLEEP STAGES

2731. **Ogata E:** [Anomalies of calcium metabolism]
Jap J Clin Med 30:2255-61, Nov 72 (12 ref.) **(Jap)**
CALCIUM, blood/ *CALCIUM METABOLISM DISORDERS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EYE MANIFESTATIONS/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ HYPERCALCEMIA, complications/ HYPERCALCEMIA, diagnosis/ HYPOCALCEMIA, complications/ HYPOCALCEMIA, diagnosis/ KIDNEY DISEASES, etiology/ NEUROLOGIC MANIFESTATIONS/ REVIEW/ SKIN MANIFESTATIONS

2732. **Ogawa R, Imai T, Nakao H, et al:** [Effect of corticosteroids on plasma lysosomal enzymes during splanchnic ischemia]
Jap J Anesthesiol 22:11-5, Jan 73 **(Jap)**
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *GLUCURONIDASE, blood/ *ISCHEMIA, enzymology/ *LYSOSOMES, enzymology/ MESENTERIC ARTERIES/ RATS/ SPECTROPHOTOMETRY

2733. **Ogino K, Nakanishi K, Yokoyama K, et al:** [Technics

and clinical significance of trans-sternal pneumomediastinography, with special reference to the roentgenologic observation of the thymus in myasthenic patients]
Jap J Clin Radiol 17:926-30, Nov 72 (Jap)
ADOLESCENCE/ ADULT/ AGED/ ANEURYSM, radiography/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *MYASTHENIA GRAVIS, radiography/ *PNEUMOMEDIASTINUM, DIAGNOSTIC/ SJOGREN'S SYNDROME, radiography/ *THYMUS GLAND, radiography/ THYMUS NEOPLASMS, radiography

2734. Ogiwara Y, Kato K, Tsuruta T: [Scleroderma with significant bone changes]
Jap J Clin Radiol 17:913-7, Nov 72 (Jap)
AGED/ *BONE AND BONES, radiography/ FEMALE/ HUMAN/ *SCLERODERMA, SYSTEMIC, radiography

2735. Ogura C, Tomisawa A: Effects of parathyroidectomy on the serum calcium concentration of the turtle Geoclemys reevesii.
Gen Comp Endocrinol 19:587-8, Dec 72
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ *PARATHYROID GLANDS, physiology/ *TURTLES, metabolism

2736. Ohanian C: Histochemical studies on phosporylase activity in the tissues of the albino rat under normal and experimental conditions. II. Normal distribution.
Acta Histochem (Jena) 44:244-63, 1972
ANIMAL EXPERIMENTS/ BLOOD VESSELS, enzymology/ CARTILAGE, enzymology/ COCHLEA, enzymology/ CONNECTIVE TISSUE, enzymology/ DIGESTIVE SYSTEM, enzymology/ ENDOCRINE GLANDS, enzymology/ EYE, enzymology/ FEMALE/ GENITALIA, FEMALE, enzymology/ GENITALIA, MALE, enzymology/ *GLYCOGEN PHOSPHORYLASE, metabolism/ HEMATOPOIETIC SYSTEM, enzymology/ HISTOCYTOCHEMISTRY/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ NERVOUS SYSTEM, enzymology/ RATS/ RESPIRATORY SYSTEM, enzymology/ SKIN, enzymology/ URINARY TRACT, enzymology

2737. O'Hanlon JF, Horvath SM: Neuroendocrine, cardiorespiratory, and performance reactions of hypoxic men during a monitoring task.
Aerosp Med 44:129-34, Feb 73
*ADRENAL GLANDS, physiopathology/ ADRENAL GLANDS, secretion/ ADULT/ ANOXIA, blood/ *ANOXIA, physiopathology/ ATTENTION/ EPINEPHRINE, blood/ *HEART RATE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ NOREPINEPHRINE, blood/ *RESPIRATION/ *TASK PERFORMANCE AND ANALYSIS

2738. Ohlen J, Richter J: Serumenzymspiegel alkalischer Dünndarmphosphatasen bei der Hyperthyreose.
Klin Wochenschr 51:143-4, 1 Feb 73 (Ger)
ADULT/ AGED/ *ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, enzymology/ INTESTINE, SMALL, enzymology/ ISOENZYMES, blood/ MALE/ MIDDLE AGE

2739. Ohlenroth G, Luhmann HR: Tierexperimentelle Untersuchungen zur Frage der Wirksamkeit des Ostriol am Hypophysenzwischenhirn-System.
Zentralbl Gynaekol 94:1697-701, 9 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, drug effects/ COMPARATIVE STUDY/ CORPUS LUTEUM, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTRIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, secretion/ PITUITARY HORMONE RELEASING FACTORS/ RATS

2740. Ohlenroth G, Mönkemeier D, Rabe H: Quantitative Ostrogenausscheidung im Urin nach Zufuhr von Ostriol in unterschiedlicher Applikationsform bei ovarektomierten Frauen.
Geburtshilfe Frauenheilkd 32:840-6, Oct 72 (Ger)
ADMINISTRATION, ORAL/ ADULT/ CLIMACTERIC/ ENGLISH ABSTRACT/ *ESTRIOL, administration & dosage/ ESTROGENS, metabolism/ *ESTROGENS, urine/ FEMALE/ HUMAN/ HYSTERECTOMY/ INJECTIONS, INTRAMUSCULAR

2741. Ohlson L: Coordinate topographic recordings in the abdomen. The ovarian artery as an indicator of the expansion of the uterus in pregnancy.
Acta Radiol [Diagn] (Stockh) 12:705-20, Nov 72
ABDOMEN, anatomy & histology/ ANATOMY, REGIONAL/ *ANGIOGRAPHY/ ARTERIES, anatomy & histology/ FEMALE/ GESTATIONAL AGE/ HUMAN/ LUMBAR VERTEBRAE, radiography/ *OVARY, blood supply/ PELVIC BONES, radiography/ *PREGNANCY/ *UTERUS, physiology

2742. O'Holohan DR, Hugoe-Matthews J: Single dose regimens of phenylene di-iso-thiocyanate (1,4) Jonit, in the treatment of hookworm infestation in Malaysia.
Southeast Asian J Trop Med Public Health 3:403-10, Sep 72
ADOLESCENCE/ ADULT/ ANTHELMINTICS, administration & dosage/ ANTHELMINTICS, adverse effects/ *ANTHELMINTICS, therapeutic use/ ASCARIASIS, drug therapy/ CAPSULES/ CHILD/ CHILD, PRESCHOOL/ HEMOGLOBIN, analysis/ HOOKWORM INFECTIONS, blood/ *HOOKWORM INFECTIONS, drug therapy/ HOOKWORM INFECTIONS, occurrence/ HUMAN/ LARVA/ MALAYSIA/ MIDDLE AGE/ *NECATOR/ PARASITE EGG COUNT/ SOCIOECONOMIC FACTORS/ THIOCYANATES, administration & dosage/ THIOCYANATES, adverse effects/ *THIOCYANATES, therapeutic use/ TRICHURIASIS, drug therapy

2743. Oijen JA van: Intrathoracaal struma.
Ned Tijdschr Geneeskd 116:1933-40, 21 Oct 72 (Dut)
AGED/ ENGLISH ABSTRACT/ GOITER, SUBSTERNAL, radiography/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ HYDROCELE, surgery/ MALE/ MIDDLE AGE

2744. Okada K: [Biological significance of steroid metabolism]
Clin Endocrinol (Tokyo) 20:1025-8, Dec 72 (Jap)
HUMAN/ *SEX HORMONES, metabolism/ SEX HORMONES, physiology

2745. Okada Y: [Growth anomalies (including dwarfism)]
Jap J Clin Med 30:2223-9, Nov 72 (13 ref.) (Jap)
ADOLESCENCE/ BODY CONSTITUTION/ BODY HEIGHT/ BODY WEIGHT/ *DWARFISM, diagnosis/ DWARFISM, etiology/ GONADS, growth & development/ GROWTH DISORDERS, complications/ *GROWTH DISORDERS, diagnosis/ HUMAN/ HYPOGLYCEMIA, complications/ HYPOGONADISM, complications/ MENTAL RETARDATION, complications/ NUTRITION DISORDERS, complications/ REVIEW/ VISION DISORDERS, complications

2746. Okaniwa G, Nakada T, Kawakami M, et al: Studies of the preservation of canine lung at subzero temperatures.
J Thorac Cardiovasc Surg 65:180-6, Feb 73
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ CHLORPROMAZINE, administration & dosage/ DEXAMETHASONE, administration & dosage/ DEXTRAN, administration & dosage/ DOGS/ *FREEZING/ *LUNG/ LUNG, surgery/ OXYGEN, blood/ PERFUSION/ PULMONARY ARTERY/ PULMONARY CIRCULATION/ PULMONARY EDEMA, pathology/ RADIOISOTOPE SCANNING/ REIMPLANTATION/ TEMPERATURE/ TIME FACTORS/ *TISSUE PRESERVATION/ VASCULAR RESISTANCE

2747. Okla J: Stosowanie niektórych leków u kobiet w okresie ciąży i karmienia.
Pol Tyg Lek 27:2073-7, 25 Dec 72 (8 ref.) (Pol)
ABNORMALITIES, DRUG-INDUCED/

ADRENAL CORTEX HORMONES, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICOAGULANTS, adverse effects/ ANTIDIABETICS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ BARBITURATES, adverse effects/ *BREAST FEEDING/ CONTRACEPTIVES, ORAL, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ *DRUG THERAPY, adverse effects/ FEMALE/ FETAL DEATH, chemically induced/ *FETUS, drug effects/ HUMAN/ INFANT, NEWBORN/ LACTATION, drug effects/ MATERNAL-FETAL EXCHANGE/ MEPROBAMATE, adverse effects/ MOLECULAR WEIGHT/ NICOTINE, adverse effects/ NITROFURANTOIN, adverse effects/ PERMEABILITY/ PLACENTA/ PREGNANCY/ QUININE/ RESERPINE, adverse effects/ REVIEW/ SALICYLATES, adverse effects/ SULFONAMIDES, adverse effects/ THYROID ANTAGONISTS, adverse effects

2748. **Oktay C:** Kemik homeostasi ve Calcitonin.
Dentoral (Istanbul) 4:168-71, Jul-Aug 72 **(Tur)**
BONE AND BONES, drug effects/ ENGLISH ABSTRACT/ SPECIAL LIST DENTAL/ THYROCALCITONIN, pharmacodynamics

2749. **Okuda K:** [Bilirubin metabolism and actions of steroid hormones]
Jap J Clin Med 30:1855-8, Sep 72 (28 ref.) **(Jap)**
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ *BILIRUBIN, metabolism/ HEME, metabolism/ HUMAN/ JAUNDICE, drug therapy/ JAUNDICE, metabolism/ PREDNISOLONE, pharmacodynamics/ RATS/ REVIEW/ UROBILINOGEN, urine

2750. **Okuda K, Someya N, Goto A, et al:** Endoscopic pancreato-cholangiography. A preliminary report on technique and diagnostic significance.
Am J Roentgenol Radium Ther Nucl Med 117:437-45, Feb 73
AGED/ *BILE DUCT NEOPLASMS, radiography/ *BILIARY TRACT DISEASES, radiography/ CALCULI, radiography/ *CHOLANGIOGRAPHY/ CHOLANGITIS, radiography/ CHOLELITHIASIS, radiography/ *ENDOSCOPY/ FIBER OPTICS/ FLUOROSCOPY/ HEPATOMA, radiography/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, radiography/ *LIVER NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ *PANCREATIC DISEASES, radiography/ *PANCREATIC DUCTS, radiography/ *PANCREATIC NEOPLASMS, radiography/ PANCREATITIS, radiography/ TECHNOLOGY, RADIOLOGIC/ TELEVISION/ VATER'S AMPULLA, radiography

2751. **Okuno T, Freud W:** Albumin preparations and placental alkaline phosphatase activity.
Transfusion 13:19-22, Jan-Feb 73
AGED/ *ALKALINE PHOSPHATASE, blood/ *BLOOD PRESERVATION/ *BLOOD TRANSFUSION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ MALE/ NEPHROTIC SYNDROME, blood/ NEPHROTIC SYNDROME, diagnosis/ NEPHROTIC SYNDROME, enzymology/ *PLACENTA, enzymology/ *SERUM ALBUMIN, analysis/ SERUM ALBUMIN, therapeutic use

2752. **Okuyama M:** [Examination of the side effects of estriol preparations]
Clin Endocrinol (Tokyo) 20:667-70, Aug 72 **(Jap)**
ADULT/ DRUG HYPERSENSITIVITY/ *ESTRIOL, adverse effects/ ESTRIOL, therapeutic use/ FEMALE/ GYNECOLOGIC DISEASES, drug therapy/ HUMAN/ MENSTRUATION DISORDERS, chemically induced/ PRURITUS VULVAE, chemically induced/ VAGINAL DISEASES, chemically induced

2753. **Olive PJ:** The regulation of ovary function in Cirratulus cirratus (polychaeta).
Gen Comp Endocrinol 20:1-15, Feb 73
ANIMAL EXPERIMENTS/ *ANNELIDA, physiology/ BRAIN, physiology/ CELL DIFFERENTIATION/ FEEDBACK/ FEMALE/ GANGLIA, physiology/ *OVARY, physiology/ OVUM, growth & development/ OVUM, physiology/ PREGNANCY/ *REPRODUCTION

2754. **Olson CR, Young F:** Energy metabolism in atherosclerosis-resistant and -susceptible pigeons.
J Nutr 103:189-95, Feb 73
ABDOMEN, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ AORTIC DISEASES, etiology/ *AORTIC DISEASES, metabolism/ ARTERIOSCLEROSIS, etiology/ *ARTERIOSCLEROSIS, metabolism/ BODY COMPOSITION/ BODY WATER/ BODY WEIGHT/ DEFICIENCY DISEASES, metabolism/ DISEASE MODELS, ANIMAL/ FEMALE/ IODINE/ IODINE, administration & dosage/ IODINE, metabolism/ IODINE ISOTOPES/ LIPIDS, metabolism/ MALE/ OXYGEN CONSUMPTION/ *PIGEONS, metabolism/ PROTEINS, metabolism/ SPECIES SPECIFICITY/ *THYROID GLAND, metabolism

2755. **Onaya T, Sato A, Otake M, et al:** Effect of synthetic thyrotropin-releasing hormone on glucose oxidation and phospholipogenesis in porcine anterior pituitary slices in the presence or absence of thyroid hormone.
Proc Soc Exp Biol Med 142:516-20, Feb 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ DACTINOMYCIN, pharmacodynamics/ *GLUCOSE, metabolism/ IN VITRO/ OXIDATION-REDUCTION/ *PHOSPHOLIPIDS, biosynthesis/ PHOSPHORUS ISOTOPES/ *PITUITARY GLAND, metabolism/ SWINE/ *THYROID HORMONES, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

2756. **Ong SD, Bailey LE:** Two functionally distinct calcium pools in the excitation-contraction coupling process.
Experientia 28:1446-7, 15 Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, physiology/ CATS/ DEPRESSION, CHEMICAL/ HEART, drug effects/ *HEART, physiology/ *HEART CONDUCTION SYSTEM, physiology/ IN VITRO/ LANTHANUM, pharmacodynamics/ MYOCARDIUM, metabolism

2757. **Onisawa J, Ri N, Nakamura R, et al:** [Diagnosis of hereditary mucopolysaccharidoses]
Jap J Dermatol [A] 82:667-73, Sep 72 **(Jap)**
AUTOSOME ABNORMALITIES, diagnosis/ BONE AND BONES, abnormalities/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, diagnosis/ CHONDROITIN, metabolism/ CHROMATOGRAPHY/ HUMAN/ HYPERTRICHOSIS, diagnosis/ JOINT DISEASES, diagnosis/ LIPOCHONDRODYSTROPHY, diagnosis/ MENTAL RETARDATION, diagnosis/ *MUCOPOLYSACCHARIDES/ MUCOPOLYSACCHARIDES, urine/ RETINITIS PIGMENTOSA, diagnosis

2758. **Onishi S, Fujikake M:** [Phototherapy and enzymatic induction therapy for neonatal jaundice]
Jap J Clin Med 30:1934-45, Sep 72 (48 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ BILIRUBIN, metabolism/ BINDING, COMPETITIVE/ CHOLESTEROL, biosynthesis/ ENDOCRINE GLANDS, physiology/ ENZYME INDUCTION/ GLUCURONATES/ HEMOLYSIS/ HEXOSYLTRANSFERASES/ HORMONES, metabolism/ HUMAN/ INFANT, NEWBORN/ JAUNDICE, NEONATAL, drug therapy/ JAUNDICE, NEONATAL, enzymology/ *JAUNDICE, NEONATAL, therapy/ LIGHT, adverse effects/ *LIGHT, therapeutic use/ LIVER, metabolism/ PHENOBARBITAL, adverse effects/ PHENOBARBITAL, pharmacodynamics/ *PHENOBARBITAL, therapeutic use/ RATS/ RETINA/ REVIEW/

SERUM ALBUMIN, metabolism/ THYROID HORMONES, metabolism

2759. Ono F: [Thyroid hormones]
Clin Endocrinol (Tokyo) 20:825-7, Oct 72 (21 ref.) (Jap)
HUMAN/ REVIEW/ THYROID HORMONES, administration & dosage/ *THYROID HORMONES, adverse effects/ THYROID HORMONES, poisoning

2760. Ono S, Fukui S, Hirano H, et al: Studies on the vitamin B12 binding capacity in the hypophysectomized rat stomach. J Vitaminol (Kyoto) 18:235-6, 10 Dec 72
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY/ *PITUITARY GLAND, physiology/ RATS/ *STOMACH, metabolism/ *VITAMIN B 12, metabolism

2761. Ono T, Eto N: [Monoamine oxidase (MAO) isozyme]
Jap J Clin Pathol 20:Suppl:26, 1972 (Jap)
DIABETES MELLITUS, enzymology/ ELECTROPHORESIS/ HUMAN/ HYPERTHYROIDISM, enzymology/ *ISOENZYMES, blood/ LIVER CIRRHOSIS, enzymology/ *MONOAMINE OXIDASE, blood

2762. Onuora GI, Furr BJ, Bonney RC, et al: The effect of hypothalamic gonadotrophin releasing hormones on the secretion of luteinizing hormone from the pituitary gland of the domestic fowl.
J Reprod Fertil 31:494-5, Dec 72
ANIMAL EXPERIMENTS/ CHICKENS/ IN VITRO/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ SECRETORY RATE, drug effects

2763. Oproiu A: Consideraţii asupra utilizării hipofizectomiei izotopice cu ytriu-90 în neoplaziile mamare.
Stud Cercet Endocrinol 24:125-30, 1973 (Rum)
BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ CORTISONE, therapeutic use/ HUMAN/ MASTECTOMY/ *NEOPLASM METASTASIS, therapy/ *PITUITARY GLAND IRRADIATION/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ *YTTRIUM ISOTOPES, therapeutic use

2764. Oravec D, Lichardus B, Kováč R, et al: Zur Therapie des Diabetes insipidus mit synthetischen Arginin-Vasopressin-Analogen.
Z Gesamte Inn Med 27:993-4, 15 Nov 72 (Ger)
ADULT/ *ARGININE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY/ PREGNANCY IN DIABETES/ TANNINS, therapeutic use/ *VASOPRESSIN, therapeutic use

2765. Orecklin JR, Kaufman JJ, Thompson RW: Fertility in patients treated for malignant testicular tumors.
J Urol 109:293-5, Feb 73
ADOLESCENCE/ ADULT/ COBALT ISOTOPES, therapeutic use/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ *DISGERMINOMA, therapy/ *FERTILITY/ HUMAN/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ RETROSPECTIVE STUDIES/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, therapy

2766. Orfanos CE, Schmidt HW, Mahrle G, et al: Die Wirksamkeit von Vitamin A-Säure (VAS) bei Psoriasis. Ortlicbe Kombinationsbehandlung mit corticoiden. Zwei neue VAS-Präparate zur peroralen Tberapie. Arcb Dermatol Forscb 244:424-6, 1972 (Ger)
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD SEDIMENTATION/ CAROTENOIDS, administration & dosage/ CAROTENOIDS, adverse effects/ *CAROTENOIDS, therapeutic use/ CHEILITIS, chemically induced/ DIARRHEA/ DRUG COMBINATIONS/ HEADACHE/ HUMAN/ PREGNANES, administration & dosage/ *PREGNANES, therapeutic use/ *PSORIASIS, drug therapy/ RECURRENCE

2767. Orgiazzi J, Rousset B, Cosentino C, et al: Choriocarcinome masculin avec activité thyréotrope circulante et hyperfonctionnement corticosurrénalien.
Ann Endocrinol (Paris) 33:272-3, May-Jun 72 (Fre)
*ADRENAL GLAND HYPERFUNCTION, blood/ CASE REPORT/ *CHORIOCARCINOMA, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDATIDIFORM MOLE, blood/ HYDROCORTISONE, blood/ 17-KETOSTEROIDS, urine/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ *TROPHOBLASTIC TUMOR, blood

2768. Orishige H, Oyama T, Ifuji H: [Parathyroid hormone and arteriosclerosis]
Clin Endocrinol (Tokyo) 20:625-8, Aug 72 (21 ref.) (Jap)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, chemically induced/ *ARTERIOSCLEROSIS, etiology/ BLOOD VESSELS, drug effects/ BLOOD VESSELS, pathology/ CALCIUM, pharmacodynamics/ CHOLESTEROL, metabolism/ DOGS/ HUMAN/ HYPERPARATHYROIDISM, pathology/ LIPIDS, blood/ MONKEYS/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ RATS/ REVIEW/ VITAMIN D, pharmacodynamics

2769. Orlowski T, Gradowska L, Lao M, et al: Zur Therapie der chronischen Glomerulopathie.
Z Gesamte Inn Med 27:980-3, 15 Nov 72 (Ger)
*ANTI-INFLAMMATORY AGENTS, therapeutic use/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CHLORAMBUCIL, therapeutic use/ CHRONIC DISEASE/ CREATINE, blood/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INDOMETHACIN, therapeutic use/ MERCAPTOPURINE, therapeutic use/ *PREDNISONE, therapeutic use/ PROTEINURIA, drug therapy

2770. Ormsbee HS 3d, Ryan CF: Production of hypertension with desoxycorticosterone acetate-impregnated silicone rubber implants. J Pharm Sci 62:255-7, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *DESOXYCORTICOSTERONE/ DESOXYCORTICOSTERONE, administration & dosage/ DESOXYCORTICOSTERONE, pharmacodynamics/ *HYPERTENSION, chemically induced/ KIDNEY, physiology/ MALE/ NEPHRECTOMY/ RATS/ *SILICONE ELASTOMERS/ TIME FACTORS

2771. Orselli RC, Bassler TJ: Theca granuloma cell tumor arising in adrenal. Cancer 31:474-7, Feb 73
*ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLANDS, pathology/ ENDOMETRIUM, pathology/ FEMALE/ GRAAFIAN FOLLICLE/ *GRANULOSA CELL TUMOR, pathology/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE

2772. Osawa M, Endo H: [Kidney and cyclic AMP]
Jap J Clin Pathol 20:788-97, Nov 72 (55 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ANIMAL EXPERIMENTS/ DIABETES INSIPIDUS, physiopathology/ GLUCAGON, pharmacodynamics/ HUMAN/ *KIDNEY,

physiology/ PARATHYROID HORMONE, pharmacodynamics/ PSEUDOHYPOPARATHYROIDISM, physiopathology/ RABBITS/ RATS/ REVIEW/ VASOPRESSIN, pharmacodynamics

3. **Osborne CA, Stevens JB:** Pseudohyperparathyroidism in the dog. J Am Vet Med Assoc 162:125-35, 15 Jan 73
ANIMAL EXPERIMENTS/ *DOG DISEASES/ DOG DISEASES, blood/ DOG DISEASES, diagnosis/ DOG DISEASES, pathology/ DOG DISEASES, radiography/ DOGS/ FEMALE/ HYPERCALCEMIA, veterinary/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, radiography/ *HYPERPARATHYROIDISM, veterinary/ LYMPHOMA, blood/ LYMPHOMA, complications/ LYMPHOMA, diagnosis/ LYMPHOMA, pathology/ LYMPHOMA, radiography/ LYMPHOMA, veterinary/ MALE/ NEPHROCALCINOSIS, pathology/ NEPHROCALCINOSIS, veterinary

4. **Oschman JL, Wall BJ:** Calcium binding to intestinal membranes. J Cell Biol 55:58-73, Oct 72
ALDEHYDES, analysis/ ANIMAL EXPERIMENTS/ BARIUM, metabolism/ *BINDING SITES/ BIOLOGICAL TRANSPORT/ BUFFERS/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM CHLORIDE, pharmacodynamics/ CELL MEMBRANE/ *CELL MEMBRANE, metabolism/ COCKROACHES/ GLUTARATES, analysis/ HISTOLOGICAL TECHNICS/ INTERCELLULAR JUNCTIONS/ *INTESTINES, metabolism/ IRON, metabolism/ MAGNESIUM/ MALE/ MANGANESE, metabolism/ MERCURY, metabolism/ MICROSCOPY, ELECTRON/ MUSCLES, metabolism/ OSMIUM, diagnostic use/ PHOTOMETRY/ STOMACH, cytology/ STRONTIUM, metabolism

5. **Oseid S:** Studies in congenital generalized lipodystrophy (Seip-Berardinelli syndrome). I. Development of diabetes.
Acta Endocrinol (Kbh) 72:475-94, Mar 73
ADOLESCENCE/ AGE FACTORS/ BLOOD SUGAR, metabolism/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, diagnostic use/ *DIABETES MELLITUS, etiology/ FEMALE/ GLUCOSE TOLERANCE TEST/ GLYCOSURIA/ HUMAN/ INFANT/ INSULIN, blood/ INSULIN, metabolism/ INSULIN RESISTANCE/ LIPODYSTROPHY, complications/ *LIPODYSTROPHY, complications/ LIPODYSTROPHY, congenital/ LIPODYSTROPHY, metabolism/ MALE/ PREDIABETIC STATE, complications/ RADIOIMMUNOASSAY/ SYNDROME/ TIME FACTORS

8. **O'Shea JD, Lee CS:** Role of utero-ovarian vascular connections in local uterine luteolysis in the rat. J Reprod Fertil 32:327-8, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CORPUS LUTEUM, physiology/ FEMALE/ HYSTERECTOMY/ PSEUDOPREGNANCY/ RATS/ UTERUS, blood supply/ *UTERUS, physiology

7. **O'Shea T:** A study of the in-vivo incorporation of tritiated uridine by the reproductive tract of the rabbit doe following injection of human chorionic gonadotrophin. J Reprod Fertil 32:345-6, Feb 73
ANIMAL EXPERIMENTS/ CERVIX MUCUS, analysis/ CERVIX UTERI, analysis/ ENDOMETRIUM, analysis/ FALLOPIAN TUBES, analysis/ FEMALE/ GENITALIA, FEMALE, drug effects/ *GENITALIA, FEMALE, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ OVARY, analysis/ OVULATION/ RABBITS/ RNA, analysis/ TRITIUM/ *URIDINE, metabolism/ VAGINA, analysis

8. **(Osler W), Poster MF:** Thyroid eponymy. N Engl J Med 288:422, 22 Feb 73
CANADA/ *EPONYMS/ *GOITER, EXOPHTHALMIC, history/ GREAT BRITAIN/ *HEART AUSCULTATION, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ *HYPERTHYROIDISM, history/ UNITED STATES

2779. **Ossenkopp KP, Koltek WT, Persinger MA:** Prenatal exposure to an extremely low frequency-low intensity rotating magnetic field and increases in thyroid and testicle weight in rats. Dev Psychobiol 5:275-85, 1972
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BLOOD SUGAR/ BODY WEIGHT/ *ELECTROMAGNETICS/ EOSINOPHILS/ FEMALE/ *FETUS/ MALE/ MICROWAVES/ ORGAN WEIGHT/ PREGNANCY/ RATS/ *TESTIS, anatomy & histology/ TESTIS, growth & development/ THYMUS GLAND, anatomy & histology/ *THYROID GLAND, anatomy & histology/ THYROID GLAND, growth & development/ WEATHER

2780. **Osterman J, Pokrajac N:** Anti-insulin eeffect of cortisol in deep hypoglycemia of the rat: sex differences. Horm Metab Res 4:433-8, Nov 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CASTRATION/ DIET/ FEMALE/ GLUCONEOGENESIS, drug effects/ GLUCOSEPHOSPHATASE, analysis/ GLYCOGEN, biosynthesis/ *HYDROXYCORTICOSTEROIDS, pharmacodynamics/ HYDROXYCORTICOSTEROIDS, therapeutic use/ *HYPOGLYCEMIA, drug therapy/ *INSULIN, antagonists & inhibitors/ LIVER, enzymology/ LIVER GLYCOGEN, analysis/ MALE/ RATS/ SEX FACTORS/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

2781. **Osterman PO, Lundberg PO, Wide L:** The level and circadian rhythm of plasma free 11-hydroxycorticoids in patients with localized intracranial processes, especially of the sellar region.
Acta Neurol Scand 49:115-32, 1973
ADULT/ *BRAIN DISEASES, blood/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ OPTIC ATROPHY, blood/ *PITUITARY NEOPLASMS, blood/ VASOPRESSIN, diagnostic use

2782. **Ostrowski K, Dziedzic-Goclawska A, Stachowicz W, et al:** Sensitivity of the electron spin resonance technique as applied in histochemical research on normal and pathological calcified tissues.
Histochemie 32:343-51, 1972
AORTA, analysis/ ARTERIOSCLEROSIS, pathology/ BONE AND BONES, analysis/ *CALCIFICATION, PHYSIOLOGIC/ *CALCINOSIS, pathology/ CARTILAGE, analysis/ CATTLE/ DENTAL ENAMEL, analysis/ DENTIN, analysis/ DOGS/ *ELECTRON SPIN RESONANCE/ GUINEA PIGS/ HAVERSIAN SYSTEM, cytology/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ METHODS/ MICE/ MIDDLE AGE/ RABBITS/ RATS

2783. **Osuntokun BO:** The effects of malnutrition of the development of cognitive functions of the nervous system in childhood.
Trop Geogr Med 24:311-26, Dec 72 (132 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN, growth & development/ *BRAIN DISEASES, etiology/ CENTRAL NERVOUS SYSTEM DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ *COGNITION DISORDERS, etiology/ COGNITION DISORDERS, therapy/ DIETARY PROTEINS, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTELLIGENCE TESTS/ LACTATION/ MYELIN SHEATH/ *NUTRITION DISORDERS,

complications/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, physiopathology/ PROTEIN-CALORIE MALNUTRITION, therapy/ PSYCHOMOTOR DISORDERS, etiology/ REVIEW

2784. **Otorii T, Imai S:** [Myocardial contractility and drug effects with special reference to the adrenergic mechanism]
Jap J Clin Med 30:2043-50, Oct 72 (61 ref.) **(Jap)**
ACETYLCHOLINE, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CATS/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GUINEA PIGS/ HEART, drug effects/ *HEART, innervation/ HEART, physiology/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ PRONETHALOL, pharmacodynamics/ RABBITS/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC/ REVIEW/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ THYROID HORMONES, pharmacodynamics

2785. **Otte P:** Die orthopädische Problematik der präsenilen Osteoporose.
Z Rheumaforsch 31:388-400, Sep-Oct 72 **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ GYMNASTICS/ HUMAN/ *INTERVERTEBRAL DISK/ KYPHOSIS, complications/ LIGAMENTS/ LORDOSIS, complications/ MIDDLE AGE/ *OSTEOPOROSIS/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, therapy

2786. **Otto W, Häntzschel H:** Die moderne Therapie der Arthritis urica. Beitr Rheumatol 18:89-95, 1972 **(Ger)**
ACUTE DISEASE/ CHRONIC DISEASE/ COLCHICINE, therapeutic use/ DIET, REDUCING/ FEMALE/ GOUT, complications/ *GOUT, drug therapy/ GOUT, therapy/ HUMAN/ INDOMETHACIN, therapeutic use/ KIDNEY CALCULI, drug therapy/ MALE/ PHENYLBUTAZONE, adverse effects/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, therapeutic use/ PROBENECID, therapeutic use/ PYELONEPHRITIS, drug therapy/ SEX FACTORS

2787. **Overstreet JW:** The labelling of living rabbit ova with fluorescent dyes. J Reprod Fertil 32:291-4, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ FERTILIZATION/ FLUORESCEINS/ *FLUORESCENT DYES/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ OVULATION, drug effects/ *OVUM/ OVUM, transplantation/ RABBITS/ TRANSPLANTATION, HOMOLOGOUS

2788. **Overturf M, Fitz A, McBride J:** Renin activity, sodium and potassium in hypertensive patients.
J Chronic Dis 25:621-34, Nov 72
ADOLESCENCE/ ADULT/ AGED/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/ CHLORIDES, blood/ CHOLESTEROL, blood/ CREATININE, blood/ DIURETICS, therapeutic use/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ HYPERTENSION, enzymology/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, drug therapy/ MALE/ MIDDLE AGE/ *POTASSIUM, blood/ *RENIN, blood/ RETROSPECTIVE STUDIES/ *SODIUM, blood/ URIC ACID, blood

2789. **Owens IS, Vonderhaar BK, Topper YJ:** Concerning the necessary coupling of development to proliferation of mouse mammary epithelial cells.
J Biol Chem 248:472-7, 25 Jan 73
ANIMAL EXPERIMENTS/ CASEIN, biosynthesis/ CYTARABINE, antagonists & inhibitors/ CYTARABINE, pharmacodynamics/ DEOXYRIBONUCLEOSIDES, pharmacodynamics/ *DNA, biosynthesis/ ENZYME INDUCTION/ EPITHELIAL CELLS/ EPITHELIAL CELLS, drug effects/ FEMALE/ FLUORODEOXYURIDINE, pharmacodynamics/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ LACTALBUMIN, biosynthesis/ MAMMAE, cytology/ MAMMAE, drug effects/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MICE/ *MILK PROTEINS, biosynthesis/ MITOSIS/ PHOSPHOGLUCONATE DEHYDROGENASE, biosynthesis/ PREGNANCY/ PROLACTIN, pharmacodynamics/ TISSUE CULTURE

2790. **Oyama T, Kimura K, Sato K, et al:** Effects of anesthesia and surgery on plasma aldosterone levels in man.
Anesth Analg (Cleve) 52:31-5, Jan-Feb 73
ADULT/ *ALDOSTERONE, blood/ *ANESTHESIA/ ANESTHESIA, INHALATION/ ANESTHESIA, INTRAVENOUS/ ATROPINE/ CHILD/ ETHYL ETHER/ FEMALE/ HUMAN/ MALE/ MEPERIDINE/ METHOXYFLURANE/ MIDDLE AGE/ NITROUS OXIDE/ PENTOBARBITAL/ POTASSIUM, blood/ PREANESTHETIC MEDICATION/ RADIOIMMUNOASSAY/ SODIUM, blood/ *SURGERY, OPERATIVE/ THIOPENTAL/ TRITIUM

2791. **Ozaki M, Kubo T, Kurachi K:** [Inhibition of ovulation induced by gonadotropins, from the standpoint of the hormone gene thesis]
Folia Endocrinol Jap 48:422-31, 20 Sep 72 **(Jap)**
ACTINOMYCIN, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CYCLOHEXIMIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ NIALAMIDE, pharmacodynamics/ OUABAIN, pharmacodynamics/ *OVULATION, drug effects/ PROTEINS, metabolism/ RATS/ RESERPINE, pharmacodynamics/ RNA, metabolism/ *RNA, physiology

2792. **Ozon R, Fouchet C:** Action des androgènes chez l'amphibien anoure Discoglossus pictus. I. Métabolisme in vitro de la testostérone par les vésicules séminales.
Gen Comp Endocrinol 19:484-93, Dec 72 **(Fre)**
ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL FRACTIONATION/ CELL NUCLEUS, enzymology/ CYTOSOL, enzymology/ ENGLISH ABSTRACT/ *FROGS, physiology/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ MALE/ MICROSOMES, enzymology/ NADP, pharmacodynamics/ PERIODICITY/ SEMINAL VESICLES, enzymology/ *SEMINAL VESICLES, metabolism/ SKIN, metabolism/ TEMPERATURE/ TESTIS, metabolism/ *TESTOSTERONE, metabolism

P

2793. **Page E, McCallister LP:** Quantitative electron microscopic description of heart muscle cells. Application to normal, hypertrophied and thyroxin-stimulated hearts.
Am J Cardiol 31:172-81, Feb 73
ANIMAL EXPERIMENTS/ AORTA/ CELL MEMBRANE/ CONSTRICTION/ HEART, drug effects/ *HEART, drug effects/ HEART ENLARGEMENT, etiology/ *HEART ENLARGEMENT, pathology/ HEART VENTRICLE, cytology/ HYPOTHYROIDISM,

etiology/ *HYPOTHYROIDISM, pathology/ MATHEMATICS/ MICROFILMING/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ MITOCHONDRIA, MUSCLE, drug effects/ *MYOCARDIUM, cytology/ MYOCARDIUM, pathology/ MYOFIBRILS/ MYOFIBRILS, drug effects/ RATS/ *THYROXINE, pharmacodynamics

794. **Page LB:** Radioimmunoassay of angiotensin and determination of renin activity.
Prog Nucl Med 2:85-106, 1972 (60 ref.)
*ANGIOTENSIN, blood/ DIURETICS, pharmacodynamics/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ IODINE ISOTOPES/ ISOTOPE LABELING/ MENSTRUATION/ POSTURE/ *RADIOIMMUNOASSAY/ *RENIN, blood/ REVIEW

795. **Paglia MA, Lacher MJ, Hertz RE, et al:** Surgical aspects and results of laparotomy and splenectomy in Hodgkin's disease.
Am J Roentgenol Radium Ther Nucl Med 117:12-8, Jan 73
ADULT/ APPENDECTOMY/ BIOPSY/ FOLLOW-UP STUDIES/ HODGKIN'S DISEASE, diagnosis/ HODGKIN'S DISEASE, radiography/ *HODGKIN'S DISEASE, surgery/ HUMAN/ *LAPAROTOMY/ LAPAROTOMY, adverse effects/ LIVER/ LYMPH NODES/ LYMPHOGRAPHY/ METHODS/ MIDDLE AGE/ OVARY/ *SPLENECTOMY/ SPLENECTOMY, adverse effects

796. **Pal R, Ranadive KJ:** Biological studies on leukemia in the ICRC mouse. 3. Effect of progesterone administration on leukemia development.
Indian J Cancer 9:244-8, Sep 72
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *LEUKEMIA, LYMPHOCYTIC, chemically induced/ LEUKEMIA, LYMPHOCYTIC, pathology/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ *PROGESTERONE, toxicity

797. **Pajszczyk-Kieszkiewicz T:** Zdolności aromatyzacyjne łożyska ludzkiego perfundowanego in vitro w zależności od różnych warunków doświadczalnych. IV. Wpływ nadmiaru lub braku glukozy w płynie perfuzyjnym na zdolności aromatyzacyjne łożyska.
Ginekol Pol 43:1381-92, 1972 (Pol)
ENGLISH ABSTRACT/ *ESTROGENS, biosynthesis/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HUMAN/ HYDROXYLATION/ IN VITRO/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY

798. **Pakszys W:** Niektóre problemy interakcji 5,5 1 -dwufenylohydantoiny (Hydantoinal) z innymi lekami. Pol Tyg Lek 27:1990-3, 11 Dec 72 (25 ref.) (Pol)
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANTICOAGULANTS, pharmacodynamics/ ANTIDIABETICS, pharmacodynamics/ ANTITUBERCULAR AGENTS/ BARBITURATES, pharmacodynamics/ BIOTRANSFORMATION/ *DIPHENYLHYDANTOIN, pharmacodynamics/ *DRUG INTERACTIONS/ DRUG SYNERGISM/ ENZYME INDUCTION/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LIVER, enzymology/ PITUITARY-ADRENAL SYSTEM, drug effects/ REVIEW

799. **Paliadi GA, Marku GA, Mukutsa EV:** Obmen glukokortikoidnykh gormonov mezhdu mater'iu i plodom vo vremia beremennosti i rodov.
Akush Ginekol (Mosk) 48:25-30, Nov 72 (Rus)
ADULT/ AMNIOTIC FLUID, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ *11-HYDROXYCORTICOSTEROIDS, metabolism/ *LABOR/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY

800. **Pallauf J, Kirchgessner M:** Zinkgehalte in Knochen und Ganzkörper wachsender Ratten bei unterschiedlicher Zinkversorgung. 5. Zum Stoffwechsel des Zinks im tierischen Organismus.
Z Tierphysiol 30:193-202, Nov 72 (Ger)
ANIMAL EXPERIMENTS/ BODY COMPOSITION/ BONE AND BONES, analysis/ ENGLISH ABSTRACT/ MALE/ *RATS, metabolism/ ZINC, analysis/ *ZINC, metabolism

2801. **Pallotta D:** The effect of ions on the structure and function of facultative beterocbromatin in the mealy bug. Can J Genet Cytol 15:809-15, Dec 72
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ *HETEROCHROMATIN/ *HYDROGEN-ION CONCENTRATION/ HYPOTONIC SOLUTIONS/ *INSECTS/ ISOTONIC SOLUTIONS/ MALE/ RNA, biosynthesis/ TESTIS, cytology/ TRITIUM/ URIDINE, metabolism

2802. **Palma JA, Loyber I, Perassi NI:** Induction of hepatic synthesis of serum proteins in response to stimulation of olfactory bulbs.
Arch Int Physiol Biochim 80:669-77, Oct 72
ADRENAL GLANDS, secretion/ *ALPHA GLOBULIN, biosynthesis/ ANIMAL EXPERIMENTS/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, biosynthesis/ CORTICOSTERONE, antagonists & inhibitors/ CORTICOSTERONE, pharmacodynamics/ CORTICOSTERONE, secretion/ DACTINOMYCIN, pharmacodynamics/ DRUG SYNERGISM/ ELECTRIC STIMULATION/ ELECTROPHORESIS, PAPER/ HEMATOCRIT/ HEPATECTOMY/ *LIMBIC SYSTEM, physiology/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, physiology/ MALE/ OLFACTORY BULB, physiology/ PUROMYCIN, pharmacodynamics/ RATS/ RNA, MESSENGER, metabolism/ *SERUM ALBUMIN, biosynthesis/ SERUM GLOBULINS, biosynthesis

2803. **Palma-Carlos AG, Martins Prata M, Gomes d'Oliveira JJ, et al:** La tubulopathie de la maladie amyloïde: deux cas de syndrome de De Toni-Debré-Fanconi.
Nouv Presse Med 2:511, 24 Feb 73 (Fre)
ACIDOSIS, RENAL TUBULAR/ AMINOACIDURIA, RENAL/ *AMYLOIDOSIS/ AMYLOIDOSIS, etiology/ AMYLOIDOSIS, metabolism/ BICARBONATES, metabolism/ CALCIUM, metabolism/ *FANCONI SYNDROME/ GLYCOSURIA, RENAL/ HUMAN/ POTASSIUM, metabolism/ TUBERCULOSIS, PULMONARY, complications/ URIC ACID, metabolism

2804. **Palmer CG, Morris JL, Thompson BH, et al:** Fertility and 13-14 translocation. Lancet 1:728, 31 Mar 73
*CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 13-15/ FEMALE/ GENOTYPE/ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ SEX CHROMOSOMES/ *STERILITY, familial & genetic

2805. **Palmiter RD, Haines ME:** Regulation of protein synthesis in chick oviduct. IV, Role of testosterone.
J Biol Chem 248:2107-16, 25 Mar 73
ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ CELL COUNT/ CELL-FREE SYSTEM/ CHICKENS/ DRUG SYNERGISM/ *EGG PROTEINS, biosyntbesis/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GENES/ KINETICS/ MOLECULAR WEIGHT/ MURAMIDASE, biosynthesis/ *OVALBUMIN, biosynthesis/ OVIDUCTS, cytology/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ PEPTIDE CHAIN INITIATION, drug effects/ RIBOSOMES, metabolism/ RNA, MESSENGER, metabolism/ RNA POLYMERASE, biosyntbesis/ *STANOLONE, pharmacodynamics/ TRANSCRIPTION, GENETIC

2806. **Panaitescu G, Fica V, Săvulescu V, et al:** Reactivitatea corticosuprarenală în cardiopatia ischemică. Eozinopenia sanguină, test indirect al hipercorticismului reactiv.
Med Interna (Bucur) 24:1117-30, Sep 72 (Rum)
ADRENAL GLAND HYPERFUNCTION, diagnosis/ *ADRENAL GLAND HYPERFUNCTION, etiology/ AGED/ BLOOD

CELL COUNT/ BLOOD SUGAR, analysis/ CHOLESTEROL, blood/ ELECTROLYTES, blood/ ENGLISH ABSTRACT/ *EOSINOPHILS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, complications

2807. **Panaretto BA, Vickery MR:** The distribution of cortisol and its rate of turnover in normal and cold-stressed shorn sheep. J Endocrinol 55:519-31, Dec 72
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ COLD/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ KINETICS/ *SHEEP, metabolism/ *STRESS, metabolism/ TRITIUM

2808. **Pande RS, Shah PR:** Osteogenesis imperfecta tarda (a case report). J Assoc Physicians India 20:463-5, Jun 72
ADULT/ DEAFNESS, complications/ DWARFISM, complications/ HUMAN/ MALE/ *OSTEOGENESIS IMPERFECTA, complications/ SCLERA/ SPINAL DISEASES, complications

2809. **Panettiere F, Coltman CA Jr:** Splenectomy effects on chemotherapy in Hodgkin's disease.
Arch Intern Med 131:362-6, Mar 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ BLOOD CELL COUNT/ BLOOD PLATELETS/ EVALUATION STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LEUKOCYTE COUNT/ LYMPHOCYTES/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ REMISSION/ *SPLENECTOMY/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

2810. **Panksepp J:** Reanalysis of feeding patterns in the rat.
J Comp Physiol Psychol 82:78-94, Jan 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ APPETITE REGULATION/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ CARBON ISOTOPES/ CIRCADIAN RHYTHM/ DIET/ EATING, drug effects/ *FEEDING BEHAVIOR/ FOOD DEPRIVATION/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HUNGER/ HYPOTHALAMUS, physiology/ INSULIN, pharmacodynamics/ LIPIDS, metabolism/ MALE/ *RATS/ SATIATION/ STATISTICS

2811. **Pant HC, Hopkinson C, Fitzpatrick RJ:** Plasma oestradiol, progesterone and luteinizing hormone concentrations during the ovine oestrous cycle.
J Reprod Fertil 31:501, Dec 72
ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ *ESTRUS/ FEMALE/ *LH, blood/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *SHEEP, physiology

2812. **Papp Z, Gardó S, Arvay A:** Wann ist die pränatale zytogenetische Untersuchung indiziert.
Wien Klin Wochenschr 85:107-10, 16 Feb 73 (Ger)
ABNORMALITIES, diagnosis/ ABORTION, THERAPEUTIC/ ADULT/ AMNIOCENTESIS/ CHROMOSOME ABNORMALITIES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ *HEREDITARY DISEASES, diagnosis/ HUMAN/ *INTESTINAL PERFORATION, veterinary/ METHODS/ MIDDLE AGE/ PREGNANCY/ *PRENATAL DIAGNOSIS/ SEX DETERMINATION

2813. **Pappas BA, Sobrian SK:** Neonatal sympathectomy by 6-hydroxydopamine in the rat: no effects on behavior by changes in endogenous brain norepinephrine.
Life Sci [I] 11:653-9, 15 Jul 72
AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ CEREBRAL CORTEX, metabolism/ FEMALE/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ INJECTIONS, SUBCUTANEOUS/ MALE/ MOTOR ACTIVITY, drug effects/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ RATS/ SEX FACTORS/ SYMPATHECTOMY

2814. **Paquay R, Baere R de, Lousse A:** Les pertes "insensibles" de poids chez la vache en lactation
Z Tierphysiol 30:202-7, Nov 72 (Fre
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ *CATTLE, physiology/ ENGLISH ABSTRACT/ FEMALE/ LACTATION

2815. **Parashchak AP:** Obmen zheleza, medi, kobal'ta i tsink: pri atofanovoi iazve zheludka u sobak.
Biol Nauki 3:36-42, 1972 (Rus
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CINCHOPHEN/ *COBALT, metabolism/ *COPPER, metabolism/ DOGS/ GASTRIC MUCOSA, metabolism/ INTESTINE, SMALL, metabolism/ *IRON, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ STOMACH ULCER, chemically induced/ *STOMACH ULCER, metabolism/ *ZINC, metabolism

2816. **Pařiková V, Dobeský P, Vuiterinová M:** Realimentation durch Diät und anabole Steroide be Personen mit Denutrition.
Z Ernaehrungswiss [Suppl] 13:99-104, 1972 (Ger
ADULT/ BODY WEIGHT, drug effects/ *DIET THERAPY/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ HEMATOCRIT/ HEMOGLOBIN/ HUMAN/ IRON, metabolism/ IRON ISOTOPES/ *NANDROLONE, therapeutic use/ NITROGEN, metabolism/ *NUTRITION DISORDERS, drug therapy/ NUTRITION DISORDERS, therapy/ RETICULOCYTES

2817. **Paris JE, Brandes D, Anton EB, et al:** Effect o castration on histochemistry and biochemistry of aci hydrolases in rat prostate gland.
J Natl Cancer Inst 49:1685-96, Dec 72
ACETIC ACIDS/ ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CASTRATION/ CELL FRACTIONATION/ *GLUCOSAMINIDASE, metabolism/ *GLUCURONIDASE, metabolism/ HISTOCYTOCHEMISTRY/ LYSOSOMES, analysis/ LYSOSOMES, enzymology/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ PROSTATE, analysis/ PROSTATE, cytology/ *PROSTATE, enzymology/ PROTEINS, analysis RATS/ RATS, INBRED STRAINS/ *SULFATASES, metabolism/ TIME FACTORS

2818. **Parisi M, Piccinni ZF:** Aspirin potentiates the hydrosmotic effect of antidiuretic hormone in toa urinary bladder.
Biochim Biophys Acta 279:209-12, 18 Aug 72
ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ *BLADDER, physiology/ *CELL MEMBRANE PERMEABILITY/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ *OXYTOCIN, physiology/ *PROSTAGLANDINS, antagonists & inhibitors/ STIMULATION, CHEMICAL/ TOADS/ *VASOPRESSIN, physiology/ *WATER-ELECTROLYTE BALANCE

2819. **Park KR, Zarrow MX:** Effect of estradiol on pregnan mare's serum (PMS)-induced ovulation in the immature rat. Fertil Steril 23:769-75, Oct 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, administratior & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LH, administration & dosage/ LH, pharmacodynamics/ LH, physiology/ *OVULATION, drug effects/ OVUM, cytology/ OVUM, drug effects/

PENTOBARBITAL, pharmacodynamics/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

2820. **Parkin JM:** Syndrome of growth resistance, obesity and intellectual impairment with precocious puberty. Arch Dis Child 48:86-7, Jan 73
ABNORMALITIES, MULTIPLE/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GROWTH DISORDERS, complications/ HUMAN/ HYPOGONADISM/ *MENTAL RETARDATION, complications/ *OBESITY, complications/ *PUBERTY, PRECOCIOUS, complications/ SYNDROME

2821. **Parrot RF:** Peripheral effects of some propionated androgens in the castrate male rat. J Reprod Fertil 31:518-9, Dec 72
*ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CASTRATION/ *GENITALIA, MALE, drug effects/ MALE/ ORGAN WEIGHT/ PENIS, anatomy & histology/ PENIS, drug effects/ PROPIONATES, pharmacodynamics/ PROSTATE, drug effects/ RATS/ TESTIS, drug effects

2822. **(Parry CH), Poster MF:** Thyroid eponymy. N Engl J Med 288:422, 22 Feb 73
CANADA/ *EPONYMS/ *GOITER, EXOPHTHALMIC, history/ GREAT BRITAIN/ *HEART AUSCULTATION, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ *HYPERTHYROIDISM, history/ UNITED STATES

2823. **Parvez H, Parvez S:** The role of hypophyseo-adrenocortical system in the regulation of enzyme monoamine oxidase in rabbit foetuses. Biochem Biophys Res Commun 50:901-7, 5 Feb 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ FETUS, enzymology/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ KIDNEY, enzymology/ LUNG, enzymology/ MALE/ MONOAMINE OXIDASE, analysis/ *MONOAMINE OXIDASE, metabolism/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ PREGNANCY/ RABBITS

2824. **Pasiley DH, Schuster GS, Palmer P, et al:** Some drugs and other substances that interfere with protein determination. Clin Chem 19:263-5, Feb 73
ADRENOCHROME/ AMINOBENZOIC ACID/ CATTLE/ COLORIMETRY/ CREATININE/ DEXTRAN/ DOPA/ DOPAMINE/ EPHEDRINE/ EPINEPHRINE/ FALSE POSITIVE REACTIONS/ INULIN/ IODOHIPPURIC ACID/ IODOPYRACET/ ISOPROTERENOL/ NOREPINEPHRINE/ PILOCARPINE/ *PROTEINS, analysis/ SERUM ALBUMIN, BOVINE/ TYRAMINE

2825. **Pasquier Rivero DA, Coca Garcia MC, Carreres Quevedo J, et al:** Experimental hyperphenilalanaemia and the thyroid gland. Acta Anat (Basel) 83:119-26, 1972
ANIMAL EXPERIMENTS/ DIET/ FEMALE/ PHENYLALANINE, administration & dosage/ *PHENYLALANINE, blood/ *PHENYLKETONURIA, pathology/ RATS/ *THYROID GLAND, pathology

2826. **Passarge E:** Spontaneous chromosomal instability. Humangenetik 16:151-7, 1972
ABNORMALITIES, MULTIPLE/ ANEMIA, APLASTIC, familial & genetic/ ATAXIA TELANGIECTASIA, familial & genetic/ CELLS, CULTURED/ *CHROMOSOMES/ DWARFISM, familial & genetic/ ERYTHEMA, familial & genetic/ FACIAL DERMATOSES, familial & genetic/ *GENES, RECESSIVE/ HUMAN/ KARYOTYPING/ LYMPHOCYTES/ PHOTOSENSITIZATION, familial & genetic/ TELANGIECTASIS, congenital/ TIME FACTORS/ XERODERMA PIGMENTOSUM, familial & genetic

2827. **Pasternack A, Virolainen M, Häyry P:** Fine-needle aspiration biopsy in the diagnosis of human renal allograft rejection. J Urol 109:167-72, Feb 73
AUTORADIOGRAPHY/ AZATHIOPRINE, therapeutic use/ BIOPSY, NEEDLE/ CREATININE, blood/ DIURESIS/ *GRAFT REJECTION/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, cytology/ *KIDNEY, transplantation/ LYMPHOCYTE TRANSFORMATION/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ THYMIDINE, metabolism/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM

2828. **Patek E, Nilsson L, Johannisson E, et al:** Scanning electron microscopic study of the human fallopian tube. 3. The effect of midpregnancy and of various steroids. Fertil Steril 24:31-43, Jan 73
ADULT/ CILIA/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENDOMETRIUM, anatomy & histology/ ENDOMETRIUM, drug effects/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ *FALLOPIAN TUBES, anatomy & histology/ FALLOPIAN TUBES, drug effects/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MEGESTROL, pharmacodynamics/ MENOPAUSE/ MESTRANOL, pharmacodynamics/ MICROSCOPY, ELECTRON, SCANNING/ MIDDLE AGE/ NORGESTREL, pharmacodynamics/ *PREGNANCY/ *TESTOSTERONE, pharmacodynamics

2829. **Paterson CR, Downie WW, Hedley AJ:** Hypercalcaemia. Some problems of diagnosis and management. Practitioner 209:811-6, Dec 72
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ MALE/ PHOSPHORUS, blood/ VITAMIN D, therapeutic use

2830. **Paterson Y, Lawrence EF:** Factors affecting serum creatine phosphokinase levels in normal adult females. Clin Chim Acta 42:131-9, Nov 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ ALCOHOL DRINKING/ CONTRACEPTIVES, ORAL/ *CREATINE KINASE, blood/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ MARRIAGE/ MENSTRUATION/ MIDDLE AGE/ MUSCULAR DYSTROPHY, familial & genetic/ PREGNANCY

2831. **Pathomvanich O, Walker MJ:** The effect of hyperthyroidism on rat atria intracellular potentials. Horm Metab Res 4:493-7, Nov 72
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ BODY WEIGHT/ ELECTROPHYSIOLOGY/ FEMALE/ HEART ATRIUM, drug effects/ *HEART ATRIUM, physiopathology/ HEART RATE, drug effects/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, physiopathology/ IN VITRO/ MALE/ MEMBRANE POTENTIALS, drug effects/ MICROELECTRODES/ RATS/ THYROXINE/ *THYROXINE, pharmacodynamics/ TIME FACTORS

2832. **Pátkay J, Vönöczky J, Kiss I:** Ovarialis teratomából eredö diffus hasüri vérzés 2 and a haif éves gyermekeken. Orv Hetil 114:688-9, 25 Mar 73 **(Hun)**
CHILD, PRESCHOOL/ FEMALE/ *HEMORRHAGE, complications/ HUMAN/ *OVARIAN NEOPLASMS, complications/ PERITONEAL CAVITY/ *TERATOID TUMOR, complications

2833. **Patterson D, Waldren CA:** The effect of inhibitors of

RNA and protein synthesis on dibutyryl cyclic AMP mediated morphological transformations of Chinese hamster ovary cells in vitro.
Biochem Biophys Res Commun 50:566-73, 23 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANTIBIOTICS, ANTINEOPLASTIC, pharmacodynamics/ CARBON ISOTOPES/ CELLS, physiology/ CYCLOHEXIMIDE, pharmacodynamics/ FEMALE/ HAMSTERS/ LEUCINE, metabolism/ *OVARY, cytology/ OVARY, drug effects/ *PROTEINS, antagonists & inhibitors/ PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ *RNA, antagonists & inhibitors/ RNA, biosynthesis/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ URIDINE, metabolism

2834. **Patwardhan VV, Lanthier A:** A comparative study of utilization in vitro of dehydroepiandrosterone-7N- 3 H-sulfate for the formation of androgens and estrogens by the follicular and stromal compartments of human ovaries. Steroids 20:761-71, Dec 72
ACETYLATION/ ADULT/ *ANDROGENS, biosynthesis/ ANDROSTENES, analysis/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, isolation & purification/ *DEHYDROEPIANDROSTERONE, metabolism/ ESTRADIOL, analysis/ ESTRIOL, analysis/ *ESTROGENS, biosynthesis/ ESTRONE, analysis/ FEMALE/ HUMAN/ IN VITRO/ *OVARY, metabolism/ SCINTILLATION COUNTERS/ SULFATES, metabolism/ TESTOSTERONE, isolation & purification/ TRITIUM

2835. **Pauley GB, Sayce CS:** An invasive epithelial neoplasm in a Pacific oyster, Crassotrea gigas.
J Natl Cancer Inst 49:897-902, Sep 72
ANIMAL EXPERIMENTS/ EPITHELIUM/ GASTROINTESTINAL SYSTEM, pathology/ GONADS, pathology/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ *OYSTERS

2836. **Paulini K, Beneke G, Kulka R:** Altersabhängige geschlechtsdifferente Drüsenzellveränderungen. I. Histologische und chemische Untersuchungen an der Glandula lacrimalis, Glandula orbitalis externa und Glandula infraorbitalis der Ratte.
Gerontologia 18:131-46, 1972 (Ger)
AGE FACTORS/ *AGING/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DNA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *LACRIMAL APPARATUS/ LACRIMAL APPARATUS, anatomy & histology/ LACRIMAL APPARATUS, cytology/ LACRIMAL APPARATUS, metabolism/ MALE/ ORGAN WEIGHT/ POLYSACCHARIDES, metabolism/ PUBERTY/ RATS/ RNA, metabolism/ SEX FACTORS/ STAINS AND STAINING

2837. **Paumgartner G:** Indikation und Durchführung der immunsuppressiven Therapie bei chronischer Hepatitis.
Schweiz Med Wochenschr 103:158-61, 3 Feb 73 (Ger)
ANTIBODY FORMATION/ AUSTRALIA ANTIGEN/ *AZATHIOPRINE, therapeutic use/ BIOPSY/ CHRONIC DISEASE/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *HEPATITIS, drug therapy/ HUMAN/ LIVER, pathology/ LIVER FUNCTION TESTS/ PREDNISONE, therapeutic use

2838. **Paupe J:** Vrais et faux eczémas de l'enfant.
Rev Prat 22:2657-66, 11 Jun 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ BUTTOCKS/ DERMATITIS, ATOPIC, diagnosis/ DERMATITIS EXFOLIATIVA, diagnosis/ DERMATOLOGIC AGENTS, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ DIET THERAPY/ ECZEMA, diagnosis/ ECZEMA, physiopathology/ ECZEMA, therapy/ FACIAL DERMATOSES, diagnosis/ INFANT, NEWBORN, DISEASES, diagnosis/ INFECTION, diagnosis/ SCALP DERMATOSES, diagnosis/ SEBORRHEA, diagnosis/ SPECIAL LIST FOREIGN

2839. **Pavan-Langston D, McCulley JP:** Herpes zoster dendritic keratitis. Arch Ophthalmol 89:25-9, Jan 7
ADULT/ AGED/ CELLS, CULTURED/ CORNEA, microbiology/ CYTOPATHOGENIC EFFECT, VIRAL/ DEXAMETHASONE, therapeutic use/ ERYTHROMYCIN, therapeuti use/ *HERPES ZOSTER, OCULAR, complications/ HERPES ZOSTER, OCULAR, drug therapy/ HERPES ZOSTER, OCULAR, microbiology/ HERPES ZOSTER, OCULAR, pathology/ HUMAN/ IDOXURIDINE, therapeutic use/ IRITIS, complications/ IRITIS, drug therapy/ IRITIS, pathology/ *KERATITIS, DENDRITIC, complications/ KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, microbiology/ KERATITIS, DENDRITIC, pathology/ LEUKEMIA, LYMPHOCYTIC, complications/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SKIN, microbiology/ VARICELLA-ZOSTER VIRUS, isolation & purification

2840. **Paviovic-Hournac M, Delbauffe D:** Action of TSH on th in vivo incorporation of labeled amino acid int thyroglobulin and other thyroidal proteins.
Endocrinology 92:1273-6, Apr 73
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY/ *IODOPROTEINS, biosynthesis/ METHYLTHIOURACIL, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, physiology/ *THYROTROPIN, pharmacodynamics/ THYROXINE, pharmacodynamics/ TRITIUM/ *TYROSINE, metabolism

2841. **Pavlovsky S, Peñalver J, Eppinger-Helft M, et a** Induction and maintenance of remission in acut leukemia. Effectiveness of combination therapy in 22 patients. Cancer 31:273-9, Feb 73
ADOLESCENCE/ ADULT/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CHILD/ DAUNOMYCIN, therapeutic use/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therap LEUKEMIA, LYMPHOBLASTIC, mortality/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, mortality/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ TIME FACTORS/ VINCRISTINE, therapeutic use

2842. **Pawlowitzki IH, Bosse HG:** Aberrationen des Y-Chromosoms in menschlichen Spermatozoen.
Andrologie 4:115-26, 1972 (Ge
*CHROMOSOME ABERRATIONS/ DENSITOMETRY/ DIPLOIDY/ ENGLISH ABSTRACT/ FERTILIZATION/ FLUORESCEN DYES/ HAPLOIDY/ HUMAN/ MALE/ *SEX CHROMOSOMES/ *SPERMATOZOA, cytology/ STAINS AND STAINING

2843. **Pawlowitzki IH, Pearson PL:** Chromosomal aneuploid in human spermatozoa. Humangenetik 16:119-22, 19
*ANEUPLOIDY/ CHROMOSOMES, HUMAN, 6-12/ HUMAN/ MALE/ SEX CHROMOSOMES/ *SPERMATOZOA

2844. **Paxinos G, Bindra D:** Hypothalamic and midbrai neural pathways involved in eating, drinking, irritability, aggression, and copulation in rats.
J Comp Physiol Psychol 82:1-14, Jan 73
*AGGRESSION/ ANGER/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BRAIN MAPPING/ *DRINKING BEHAVIOR/ EATING *FEEDING BEHAVIOR/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MALE/ MESENCEPHALON, anatomy & histology/ *MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, anatomy & histology/ NEURAL INTERCONNECTIONS, physiology/ RATS/ RE NUCLEUS, physiology/ RETICULAR FORMATION, physiology/ *SEX BEHAVIOR, ANIMAL

2845. **Payne AH, Jaffe RB:** Comparison of androgen synthes in human fetal testis and adrenal: 3 -hydroxysterol

Biochim Biophys Acta 279:202-7, 18 Aug 72
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, enzymology/ ANDROGENS, analysis/ *ANDROGENS, biosynthesis/ CHROMATOGRAPHY, PAPER/ *FETUS, enzymology/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ *ISOMERASES, analysis/ METHODS/ STEROID HYDROXYLASES, analysis/ *TESTIS, analysis/ TESTIS, enzymology

2846. **Pearce WG:** Ocular and genetic features of Cockayne's syndrome. Can J Ophthalmol 7:435-44, Oct 72
*ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ CATARACT, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 6-12/ CORNEAL OPACITY, familial & genetic/ *DWARFISM, familial & genetic/ *EYE DISEASES, familial & genetic/ FACIAL EXPRESSION/ FEMALE/ HUMAN/ INFANT/ MALE/ NYSTAGMUS, familial & genetic/ RETINITIS PIGMENTOSA, familial & genetic/ *STRABISMUS, familial & genetic/ *TRISOMY

2847. **Pearson JK, Greer DO, Spence BK, et al:** Factors involved in mastitis control: a comparative study between high and low incidence herds.
Vet Rec 91:615-23, 16 Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ HOUSING, ANIMAL/ HYGIENE/ LACTATION/ MASTITIS, BOVINE, occurrence/ *MASTITIS, BOVINE, prevention & control/ MILK, analysis/ MILK, microbiology/ PREGNANCY/ STREPTOCOCCAL INFECTIONS, veterinary/ STREPTOCOCCUS AGALACTIAE, isolation & purification/ UDDER, injuries

2848. **Pech A, Cannoni M, Lisbonnis JM:** Technique de la lymphadénectomie cervicale conservatrice.
Ann Chir Plast 18:37-43, 1973 (Fre)
ENGLISH ABSTRACT/ HUMAN/ *LYMPH NODE EXCISION/ METHODS/ *NECK, surgery/ NECK NEOPLASMS, surgery/ SURGERY, PLASTIC/ THYROID NEOPLASMS, surgery/ TUBERCULOSIS, LYMPH NODE, surgery

2849. **Peck GL, Key DJ, Guss SB:** Topical vitamin A acid in the treatment of psoriasis.
Arch Dermatol 107:245-8, Feb 73
ADOLESCENCE/ ADULT/ BETAMETHASONE, therapeutic use/ CAROTENOIDS, administration & dosage/ *CAROTENOIDS, therapeutic use/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATTY ACIDS, UNSATURATED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OCCLUSIVE DRESSINGS/ OINTMENTS/ PLACEBOS/ PLASTICS/ *PSORIASIS, drug therapy/ PSORIASIS, pathology/ RECURRENCE/ SKIN, pathology/ VITAMIN A, administration & dosage/ *VITAMIN A, therapeutic use

2850. **Pedernera EA:** Adrenocorticotropic activity in vitro of the chick embryo pituitary gland.
Gen Comp Endocrinol 19:589-91, Dec 72
ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ *CORTICOTROPIN, secretion/ GESTATIONAL AGE/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, physiology

2851. **Pedersen PH, Larsen JF, Sorensen B:** Induction of labour with prostaglandin F2alpha in missed abortion, fetus mortuus, and anencephalia.
Prostaglandins 2:135-41, Aug 72
ABORTION, MISSED, therapy/ ADULT/ ANENCEPHALUS, therapy/ BLOOD PRESSURE/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

Neuroradiology 5:53-8, Feb 73
ARTERIOVENOUS FISTULA, radiography/ BRAIN, blood supply/ *BRAIN NEOPLASMS, radiography/ *CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERY DISEASES, radiography/ CEREBRAL VENTRICLE NEOPLASMS, radiography/ CHILD/ CISTERNA MAGNA/ CORPORA QUADRIGEMINA/ CORPUS CALLOSUM/ CYSTS, radiography/ DANDY-WALKER SYNDROME, radiography/ EPENDYMOMA, radiography/ FEMALE/ GLIOMA, radiography/ HUMAN/ HYPOTHALAMUS/ MEDULLA OBLONGATA/ MESENCEPHALON/ PINEAL BODY/ PINEALOMA, radiography/ PONS/ THALAMUS/ VERTEBRAL ARTERY, radiography

2853. **Peillon F, Gourmelen M, Brandi AM, et al:** Adénomes somatotripes humains en culture organotypique, ultrastructure et sécrétion étudiée à l'aide de leucine tritiée.
C R Acad Sci [D] (Paris) 275:2251-4, 13 Nov 72 (Fre)
ACROMEGALY/ *ADENOMA, metabolism/ ADENOMA, pathology/ HUMAN/ LEUCINE/ METHODS/ MICROSCOPY, ELECTRON/ NECROSIS/ *PITUITARY NEOPLASMS, metabolism/ PITUITARY NEOPLASMS, pathology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, metabolism/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

2854. **Pelardy G, Rigaudière N, Delost P:** Evolution néonatale des androgènes plasmatiques chez le cobaye.
J Physiol (Paris) 65:Suppl:282A, Oct 72 (Fre)
*ANDROGENS, blood/ ANDROSTENES, blood/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CHROMATOGRAPHY, GAS/ GUINEA PIGS/ KETONES, blood/ MICROCHEMISTRY/ TESTIS, analysis/ TESTOSTERONE, blood

2855. **Pelc B, Kodicek E:** Synthesis of (4- 14 C) ergosterol and (4- 14 C) ergocalciferol.
J Chem Soc [Perkin I] 23:2980-1, 1972
CARBON ISOTOPES/ *ERGOCALCIFEROL, chem synthesis/ *ISOTOPE LABELING/ METHODS/ *VITAMIN D, chem synthesis

2856. **Pelletier J, Ortavant R:** Effet du propionate de testostérone sur la libération de LH dans le sang chez le bélier: mise en évidence d'un double mécanisme de rétroaction.
C R Acad Sci [D] (Paris) 275:2037-40, 30 Oct 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ FEEDBACK/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ MALE/ OILS/ PITUITARY GLAND, drug effects/ PROPIONATES, administration & dosage/ *PROPIONATES, pharmacodynamics/ RADIOIMMUNOASSAY/ SHEEP/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

2857. **Pelletier J, Thimonier J:** Influence of fluorogestone acetate (FGA) on hypothalamo-hypophysial activity in anoestrous dry and lactating ewes.
J Reprod Fertil 31:496, Dec 72
ANIMAL EXPERIMENTS/ CRONOLONE, pharmacodynamics/ ESTRUS/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *LACTATION/ *PREGNENES/ *PROGESTATIONAL HORMONES, pharmacodynamics/ SEASONS/ SHEEP

2858. **Pena SD, Goodman HO:** The genetics of thanatophoric dwarfism. Pediatrics 51:104-9, Jan 73
*AUTOSOME ABNORMALITIES, diagnosis/ *CRANIOFACIAL DYSOSTOSIS, familial & genetic/ CRANIOFACIAL DYSOSTOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, familial & genetic/ DWARFISM, radiography/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE

2859. **Penasse W, Frühling J:** Localisation ultrastructurale de la Glucose-6-Phosphatase au niveau du cortex surrénalien du rat.

Histochemie 34:117-26, 6 Feb 73 (Fre)
*ADRENAL GLANDS, enzymology/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ *GLUCOSEPHOSPHATASE, analysis/ HISTOCYTOCHEMISTRY/ LIPOSOMES/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ RATS

2860. **Pencea V, Buriea A:** Tratamentul cu clorpropamida şi clofibrat în diabetul insipid.
Rev Med Chir Soc Med Nat Iasi 76:913-8, Oct-Dec 72 (Rum)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ *CHLORPROPAMIDE, therapeutic use/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ VASOPRESSIN, secretion

2861. **Pendl G:** Zerebrovaskuläre Ereignisse unter oralen Ovulationshemmern.
Munch Med Wochenschr 115:178-82, 9 Feb 73 (Ger)
ADULT/ AGE FACTORS/ *CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, chemically induced/ HEMIPLEGIA, chemically induced/ HUMAN/ HYPESTHESIA, chemically induced/ LONG TERM CARE/ MIGRAINE, chemically induced/ SINUS THROMBOSIS, chemically induced/ SUBARACHNOID HEMORRHAGE, chemically induced/ SYNCOPE, chemically induced/ VISION DISORDERS, chemically induced

2862. **Pener MP, Girardie A, Joly P:** Neurosecretory and corpus allatum controlled effects on mating behavior and color change in adult locusta Migratoria migratorioides males.
Gen Comp Endocrinol 19:494-508, Dec 72
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN MAPPING/ COLOR/ ELECTROCOAGULATION/ *ENDOCRINE GLANDS, physiology/ *GANGLIA, physiology/ *GRASSHOPPERS, physiology/ INVERTEBRATE HORMONES, physiology/ MALE/ *NEUROSECRETORY SYSTEMS, physiology/ *SEX BEHAVIOR, ANIMAL

2863. **Peng YM, Peng MT:** Estrogen-induced precocious corpora lutea formation in ovarian transplants in neonatally castrated male rats.
J Formosan Med Assoc 71:593-7, 28 Sep 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, growth & development/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ *OVARY, transplantation/ OVULATION, drug effects/ RATS/ TRANSPLANTATION, HOMOLOGOUS/ VAGINA, drug effects

2864. **Penn I, Mackie G, Halgrimson CG, et al:** Testicular complications following renal transplantation.
Ann Surg 176:697-9, Dec 72
ADOLESCENCE/ ADULT/ ATROPHY, etiology/ CHILD/ CHILD, PRESCHOOL/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCELE, etiology/ *KIDNEY, transplantation/ LATERALITY/ MALE/ MIDDLE AGE/ NECROSIS, etiology/ PAIN/ *POSTOPERATIVE COMPLICATIONS/ *TESTICULAR DISEASES, etiology/ TRANSPLANTATION, HOMOLOGOUS

2865. **Pennington RJ, Worsfold M:** Biochemical studies on malignant hyperpyrexia.
Proc R Soc Med 66:69-70, Jan 73
ADENOSINE TRIPHOSPHATASE/ *ANESTHESIA, GENERAL, adverse effects/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CREATINE KINASE, blood/ GLUCOSYLTRANSFERASES, metabolism/ HALOTHANE, adverse effects/ *MALIGNANT HYPERTHERMIA, metabolism/ MITOCHONDRIA/ MUSCLES, enzymology/ SARCOPLASMIC RETICULUM, metabolism/ SWINE

2866. **Penttinen R:** Biochemical studies on fracture healing in the rat, with special reference to the oxygen supply.
Acta Chir Scand [Suppl] 432:1-32, 1972
ANIMAL EXPERIMENTS/ BIOMECHANICS/ CALCIUM, metabolism/ CALLUS, analysis/ *CALLUS, metabolism/ CALLUS, physiology/ CARBOHYDRATES, analysis/ COLLAGEN, analysis/ DNA, analysis/ *FRACTURES, metabolism/ HYDROXYPROLINE, analysis/ HYPERBARIC OXYGENATION/ MALE/ MINERALS, analysis/ MUCOPOLYSACCHARIDES, analysis/ NITROGEN, analysis/ ORGAN WEIGHT/ *OXYGEN/ OXYGEN, blood/ OXYGEN CONSUMPTION/ RATS/ RIBOSE, metabolism/ RNA, analysis/ SULFUR ISOTOPES/ TIBIAL FRACTURES, metabolism/ *WOUND HEALING

2867. **Peperzeel HA van:** Effects of single doses of radiation on lung metastases in man and experimental animals.
Eur J Cancer 8:665-75, Dec 72
ADENOCARCINOMA/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CLONE CELLS/ DOGS/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, radiotherapy/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL/ MICE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ RADIOTHERAPY DOSAGE/ TESTICULAR NEOPLASMS/ TIME FACTORS

2868. **Pepper RT:** A technique for intra-cystic injections in the treatment of cystic ovarian disease in bovine animals. Vet Rec 92:16, 6 Jan 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, drug therapy/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ INJECTIONS, instrumentation/ INJECTIONS, veterinary/ OVARIAN CYSTS, drug therapy/ *OVARIAN CYSTS, veterinary/ PREGNANCY

2869. **Perachio AA, Alexander M, Marr LD:** Hormonal and social factors affecting evoked sexual behavior in Rhesus monkeys.
Am J Phys Anthropol 38:227-32, Mar 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *ESTROGENS, physiology/ FEMALE/ *HYPOTHALAMUS, physiology/ *MACACA/ MALE/ MONKEYS/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ *SOCIAL DOMINANCE/ TIME FACTORS

2870. **Perez G, McGuckin J:** Cellular localiation of prostaglandin A2 in the rat kidney.
Prostaglandins 2:393-8, Nov 72
ANIMAL EXPERIMENTS/ CELL MEMBRANE, analysis/ FLUORESCENT ANTIBODY TECHNIC/ GOATS, immunology/ IMMUNE SERUMS/ KIDNEY, cytology/ KIDNEY MEDULLA, analysis/ KIDNEY TUBULES, analysis/ MALE/ METHODS/ MICROSCOPY, FLUORESCENCE/ PROSTAGLANDINS, analysis/ RATS/ SPECIAL LIST REPRODUCTION/ SPLEEN, cytology

2871. **Perlin E, Granatir RG, Roche J, et al:** Remission of leukemia associated with polycythemia vera.
JAMA 223:192, 3 Jan 73
ADULT/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ HUMAN/ LEUKEMIA, MYELOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, etiology/ MALE/ METHYLPREDNISOLONE, therapeutic use/ PHOSPHORUS ISOTOPES, adverse effects/ PHOSPHORUS ISOTOPES, therapeutic use/ *POLYCYTHEMIA VERA, complications/ POLYCYTHEMIA VERA, drug therapy/ POLYCYTHEMIA VERA, radiotherapy/ REMISSION/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

2872. **Perrotto BM, Erausquin J:** Influencia del excipiente en la reacción pulpar a una mezcla de corticoide y antibiótico.
Rev Asoc Odontol Argent 60:521-4, Nov 72 (Spa)
ADRENAL CORTEX HORMONES, therapeutic use/ DENTAL PULP DISEASES, drug therapy/ NEOMYCIN, therapeutic use/

ROOT CANAL THERAPY/ SPECIAL LIST DENTAL

2873. **Persianinov LS, Bagramian ER, Tetrokalashvili EI, et al:** O roli progesterona pri fiziologicheskikh rodakh.
Akush Ginekol (Mosk) 48:18-20, Nov 72 **(Rus)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, physiology/ TIME FACTORS

2874. **Persijn JP, Slik W van der, Engelsman E:** A new method for the determination of serum nucleotidase. V. Evaluation of the response of serum nucleotidase to bone metastases and therapy in cancer patients.
Z Klin Chem Klin Biochem 10:77-85, Feb 72
ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD PROTEIN ELECTROPHORESIS/ BONE AND BONES, enzymology/ *BONE NEOPLASMS, blood/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, enzymology/ *BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, enzymology/ *CARCINOMA, blood/ CARCINOMA, drug therapy/ CARCINOMA, enzymology/ ESTROGENS, therapeutic use/ FEMALE/ GLUTAMATE DEHYDROGENASE, blood/ HUMAN/ ISOENZYMES, blood/ LIVER NEOPLASMS, enzymology/ MALE/ METHODS/ NEOPLASM METASTASIS/ *NUCLEOTIDASES, blood/ TIME FACTORS

2875. **Persson B, Lnnell NO, Aubert ML, et al:** Determination of plasma human chorionic somatomammotrophin and urinary oestriol in diabetic pregnancies.
Acta Obstet Gynecol Scand 52:63-7, 1973
ADULT/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYALINE MEMBRANE DISEASE/ INFANT, NEWBORN/ LABOR PRESENTATION/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS/ PREGNANCY IN DIABETES, blood/ *PREGNANCY IN DIABETES, metabolism/ PREGNANCY IN DIABETES, urine/ RUBELLA, congenital

2876. **Pert CB, Snyder SH:** Opiate receptor: demonstration in nervous tissue.
Science 179:1011-4, 9 Mar 73
*ANALGESICS AND ANTIPYRETICS, metabolism/ ANIMAL EXPERIMENTS/ ATROPINE, metabolism/ BINDING, COMPETITIVE/ *BRAIN, metabolism/ CARBACHOL, metabolism/ CODEINE, metabolism/ COLCHICINE, metabolism/ DEXTROMETHORPHAN, metabolism/ GUINEA PIGS/ HISTAMINE, metabolism/ INTESTINES, metabolism/ LEVALLORPHAN, metabolism/ METHADONE, metabolism/ MICE/ MORPHINE, metabolism/ NALORPHINE, metabolism/ *NALOXONE, metabolism/ PHENAZOCINE, metabolism/ PHENOBARBITAL, metabolism/ PROPOXYPHENE, metabolism/ RATS/ *RECEPTORS, DRUG/ SEROTONIN, metabolism/ TRITIUM

2877. **Pesendorfer F, Platthy G:** Gefässwandschädigung und thromboembolische Gefässverschlüsse nach Einnahme von Ovulationshemmern.
Med Klin 68:74-7, 19 Jan 73 **(Ger)**
ADULT/ BASILAR ARTERY/ CAROTID ARTERY, INTERNAL/ *CAROTID ARTERY THROMBOSIS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ FEMORAL VEIN/ HUMAN/ SUBCLAVIAN VEIN/ *THROMBOPHLEBITIS, chemically induced/ THROMBOSIS, chemically induced/ *VASCULAR DISEASES, chemically induced

2878. **Peskar B, Spector S:** Serotonin: radioimmunoassay.
Science 179:1340-1, 30 Mar 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ BLOOD PLATELETS/ METHODS/ PLASMA/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *SEROTONIN, analysis/ SERUM ALBUMIN, BOVINE/ TRITIUM

2879. **Pesqnies P, Boucher D, Demange J, et al:** Action des vibrations mécaniques de basse fréquence sur la fonction corticosurrénalienne chez l'homme.
C R Soc Biol (Paris) 166:874-8, 1972 **(Fre)**
*ADRENAL GLANDS, physiology/ BLOOD PRESSURE DETERMINATION/ BLOOD SUGAR, analysis/ CARDIAC OUTPUT/ CATECHOLAMINES, blood/ HUMAN/ *HYDROCORTISONE, blood/ *HYPERGLYCEMIA, etiology/ MALE/ *VIBRATION

2880. **Peteja J, Dąbrowska H:** Laboratoryjne metody rozpoznawania wczesnej ciąży.
Wiad Lek 26:427-30, 1 Mar 73 **(Pol)**
ANTIGEN-ANTIBODY REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ LABOR, PREMATURE, diagnosis/ LABOR, PREMATURE, immunology/ METHODS/ PREGNANCY/ *PREGNANCY TESTS/ RADIOIMMUNOASSAY/ REVIEW/ SERODIAGNOSIS/ ULTRASONICS, diagnostic use/ VAGINAL SMEARS

2881. **Petrescu-Hoiban R, Ghinea E, Taşcă C:** Cercetări şi rezultate în citologia sistemului endocrin.
Stud Cercet Endocrinol 23:417-22, 1972 **(Rum)**
ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ CELLS, CULTURED, drug effects/ *ENDOCRINE GLANDS, cytology/ *HORMONES, pharmacodynamics/ IN VITRO/ RESEARCH

2882. **Petrinovich L, Yoder RM, Dobson CW:** The significance of white-crowned sparrow song.
Behav Biol 7:795-803, Dec 72
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ *BIRDS/ FEMALE/ GONADS, growth & development/ HABITUATION (PSYCHOPHYSIOLOGY)/ HOME RANGE/ HOUSING, ANIMAL/ MALE/ PHOTIC STIMULATION/ REINFORCEMENT (PSYCHOLOGY)/ REVERSAL LEARNING/ SPECIES SPECIFICITY/ TERRITORIALITY/ *VOCALIZATION, ANIMAL

2883. **Petter AJ, Brygoo ER:** Phénomène de gigantisme dans une population de nématodes parasite de Tortue malgache.
Ann Parasitol Hum Comp 47:581-3, Jul-Aug 72 **(Fre)**
ENGLISH ABSTRACT/ GEOGRAPHY/ GIGANTISM/ MALAGASY REPUBLIC/ *NEMATODA/ *TURTLES

2884. **Peyron JG:** Revue des apports récents en pathologie du cartilage articulaire. 3. Reparation. Influence des pressions. Rôles des hormones. Etude expérimentale. Vieillissement.
Rev Rhum Mal Osteoartic 39:221-9, Mar 72 **(Fre)**
ADRENAL CORTEX HORMONES, physiology/ AGED/ AGING/ ANIMAL EXPERIMENTS/ *CARTILAGE, ARTICULAR/ CARTILAGE, ARTICULAR, drug effects/ CARTILAGE, ARTICULAR, enzymology/ CATS/ CELLS, CULTURED/ COLLAGEN, metabolism/ CORTICOTROPIN, physiology/ DOGS/ ENGLISH ABSTRACT/ *HORMONES, physiology/ HUMAN/ *JOINT DISEASES/ METHYLPREDNISOLONE, pharmacodynamics/ MICE/ MIDDLE AGE/ OXYGEN/ PAPAIN, pharmacodynamics/ POLYSACCHARIDES, pharmacodynamics/ PRESSURE/ RABBITS/ RATS/ REGENERATION/ REVIEW/ SEX HORMONES, physiology/ SOMATOTROPIN, physiology/ STRESS, MECHANICAL

2885. **Peytremann A, Favre L, Vallotton MB:** Effect of cold pressure test and 2-deoxy-D-glucose infusion on plasma renin activity in man.
Eur J Clin Invest 2:432-8, Nov 72
ADDISON'S DISEASE, metabolism/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ADULT/ BLOOD PRESSURE/ BLOOD SUGAR, analysis/ CATECHOLAMINES, urine/ *COLD/ *GLUCOSE, pharmacodynamics/

HUMAN/ MALE/ POTASSIUM, blood/ PRESSURE/ PULSE/ *RENIN, blood/ SODIUM, blood

2886. **Pfeiffer DR, Tchen TT:** The role of Ca 2+ in control of malic enzyme activity in bovine adrenal cortex mitochondria.
Biochem Biophys Res Commun 50:807-13, 5 Feb 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CALCIUM, physiology/ CATTLE/ ELECTRON TRANSPORT/ FLUOROMETRY/ IN VITRO/ *MALATE DEHYDROGENASE, metabolism/ *MITOCHONDRIA, enzymology/ MITOCHONDRIA, physiology/ NADP, metabolism/ OXIDATION-REDUCTION/ PROTEINS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET

2887. **Pfleger RC, Muggenburg BA, Sesline DH, et al:** The removal of inhaled 144 CeCl 3 from beagle dogs. I. Unilateral bronchopulmonary lavage with a DTPA solution. Health Phys 23:595-603, Nov 72
AEROSOLS/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BRONCHI/ CESIUM/ *CESIUM ISOTOPES/ CESIUM ISOTOPES, analysis/ CESIUM ISOTOPES, urine/ CHLORIDES/ DOGS/ DTPA, administration & dosage/ *DTPA, therapeutic use/ FECES, analysis/ *IRRIGATION/ LIVER, analysis/ *LUNG/ LUNG, analysis/ LUNG, pathology/ MATHEMATICS/ METHODS/ RADIATION DOSAGE/ RADIATION EFFECTS/ TIME FACTORS

2888. **Pfleger RC, Muggenburg BA, Cuddihy RG, et al:** The removal of inhaled 144 CeCl 3 from beagle dogs. II. Intravenous administration of a DTPA solution. Health Phys 23:605-9, Nov 72
AEROSOLS/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *CESIUM ISOTOPES/ CESIUM ISOTOPES, analysis/ CESIUM ISOTOPES, urine/ CHLORIDES/ DOGS/ DTPA, administration & dosage/ *DTPA, therapeutic use/ FECES, analysis/ INJECTIONS, INTRAVENOUS/ LIVER, analysis/ LUNG, analysis/ RADIATION DOSAGE/ TIME FACTORS

2889. **Phares CK, Ruegamer WR:** In vitro preparation of a growth factor from pterocercoids of the tapeworm, Spirometra mansonoides.
Proc Soc Exp Biol Med 142:374-7, Feb 73
ALBUMINS/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT, drug effects/ *CESTODA, analysis/ CESTODA, growth & development/ CESTODA, metabolism/ CULTURE MEDIA/ GROWTH SUBSTANCES, administration & dosage/ *GROWTH SUBSTANCES, analysis/ GROWTH SUBSTANCES, biosynthesis/ GROWTH SUBSTANCES, pharmacodynamics/ HYPOPHYSECTOMY/ LARVA, growth & development/ RATS

2890. **Pharriss BB, Tillson SA, Erickson RR:** Prostaglandins in luteal function.
Recent Prog Horm Res 28:51-89, 1972
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, physiology/ FEMALE/ HAMSTERS/ LH, physiology/ OVARY, drug effects/ OVARY, physiology/ PREGNANCY/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RATS/ REVIEW/ UTERUS, drug effects/ UTERUS, physiology

2891. **Phemister RD, Holst PA, Spano JS, et al:** Time of ovulation in the beagle bitch.
Biol Reprod 8:74-82, Feb 73
ANIMAL EXPERIMENTS/ *DOGS, physiology/ ESTROGENS, blood/ *ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, physiology/ HISTOCYTOCHEMISTRY/ LH, blood/ OVARY, physiology/ OVIDUCTS, physiology/ *OVULATION/ OVUM, cytology/ PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SEX BEHAVIOR, ANIMAL/ SPECIES SPECIFICITY/ STATISTICS/ TIME FACTORS/ VAGINAL SMEARS

2892. **Phillips AG, Fibiger HC:** Dopaminergic and noradrenergic substrates of positive reinforcement: differential effects of d- and l-amphetamine.
Science 179:575-7, 9 Feb 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DOPAMINE, metabolism/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, drug effects/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ *SELF STIMULATION, drug effects/ STEREOISOMERS/ *SUBSTANTIA NIGRA, drug effects

2893. **Phillips AG, Lieblich I:** Developmental and hormonal aspects of hyperemotionality procuced by septal lesions in male rats. Physiol Behav 9:237-42, Aug 72
AGE FACTORS/ AGGRESSION/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ *EMOTIONS/ MALE/ RATS/ SEPTAL NUCLEI, physiology/ SEPTUM PELLUCIDUM, growth & development/ *SEPTUM PELLUCIDUM, physiology/ WEANING

2894. **Phillips DR:** Effect of trypsin on the exposed polypeptides and glycoproteins in the human platelet membrane. Biochemistry 11:4582-8, 21 Nov 72
BLOOD PLATELETS, analysis/ BLOOD PLATELETS, cytology/ *BLOOD PLATELETS, drug effects/ CELL MEMBRANE, analysis/ CELL MEMBRANE, drug effects/ ELECTROPHORESIS, DISK/ *GLYCOPROTEINS, blood/ HUMAN/ IODIDES/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ *PEPTIDES, blood/ PEROXIDASES/ SODIUM DODECYL SULFATE/ *TRYPSIN, pharmacodynamics

2895. **Phornphutkul C, Rosenthal A, Nadas AS:** Cardiomyopathy in Noonan's syndrome. Report of 3 cases. Br Heart J 35:99-102, Jan 73
ADULT/ BLOOD PRESSURE/ CHILD/ FEMALE/ FEMORAL ARTERY/ HEART ATRIUM/ HEART CATHETERIZATION/ *HEART ENLARGEMENT, complications/ HEART FAILURE, CONGESTIVE, complications/ HEART VENTRICLE/ HUMAN/ MALE/ PULMONARY ARTERY/ SYNDROME/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic

2896. **Pi-Sunyer FX, Cushman P Jr:** Sheehan's syndrome and diabetes mellitus: observations on the Houssay phenomenon in man. Am J Med Sci 264:143-7, Aug 72
ACIDOSIS, DIABETIC, etiology/ ADRENAL GLANDS, pathology/ BLOOD SUGAR, analysis/ CORTISONE, therapeutic use/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, pathology/ DIABETES MELLITUS, physiopathology/ FEMALE/ HUMAN/ HYPOGLYCEMIA, chemically induced/ *HYPOPITUITARISM, complications/ INSULIN, adverse effects/ INSULIN, therapeutic use/ MIDDLE AGE/ PITUITARY GLAND, pathology/ PITUITARY GLAND, physiopathology/ PREDNISONE, therapeutic use/ PUERPERAL DISORDERS, complications/ SHEEHAN'S SYNDROME, complications/ SHEEHAN'S SYNDROME, drug therapy/ SHEEHAN'S SYNDROME, pathology/ SHEEHAN'S SYNDROME, physiopathology/ THYROID GLAND, physiopathology/ THYROID HORMONES, therapeutic use

2897. **Pichard AL, Hanoune J, Kaplan JC:** Human brain and platelet cyclic adenosine 3',5'-monophosphate phosphodiesterases: different response to drugs.
Biochim Biophys Acta 279:217-20, 18 Aug 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, enzymology/ BRAIN, drug effects/ *BRAIN, enzymology/ DEPRESSION, CHEMICAL/ *DIPYRIDAMOLE,

*PHOSPHODIESTERASES, antagonists & inhibitors/ *PURINES, pharmacodynamics

2898. **Pickardt CR, Erhardt F, Grüner J, et al:** Stimulierbarkeit der TSH-Sekretion druch TRH hei autonomen Adenomen der Schilddrüse.
Dtsch Med Wochenschr 98:152-7, 26 Jan 73 **(Ger)**
*ADENOMA, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ PROTEIN-BOUND IODINE TEST/ STIMULATION, CHEMICAL/ *THYROID NEOPLASMS, blood/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, blood/ TIME FACTORS

2899. **Pickardt CR, Erhardt F, Horn K, et al:** Kontrolle der Schilddrüsenhormon-Behandlung der hlanden Struma durch Bestimmung der Serum-TSH-Spiegel nach TRH-Belastung.
Klin Wochenschr 50:1138-9, 15 Dec 72 **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ *GOITER, drug therapy/ HUMAN/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, administration & dosage/ THYROID HORMONES, blood/ *THYROID HORMONES, therapeutic use/ THYROIDECTOMY/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

2900. **Pickardt CR, Erhardt F, Grüner J, et al:** Stimulation der TSH-Sekretion durch TRH hei hlander Struma: diagnostische Bedeutung und pathophysiologische Folgerungen.
Klin Wochenschr 50:1134-7, 15 Dec 72 **(Ger)**
ENGLISH ABSTRACT/ GOITER, etiology/ *GOITER, physiopathology/ HUMAN/ HYPOTHYROIDISM, complications/ IODINE ISOTOPES/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROTEIN-BOUND IODINE TEST/ RABBITS/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ *THYROTROPIN, metaholism/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood/ THYROXINE, metaholism/ TRIIODOTHYRONINE, secretion

2901. **Pierce LE, Jenkins RB:** Herpes zoster ophthalmicus treated with cytarabine.
Arch Ophthalmol 89:21-4, Jan 73
ADULT/ CYTARABINE, administration & dosage/ CYTARABINE, adverse effects/ *CYTARABINE, therapeutic use/ DRUG RESISTANCE/ EDEMA, drug therapy/ EDEMA, pathology/ ERYTHEMA, drug therapy/ ERYTHEMA, pathology/ HERPES ZOSTER, OCULAR, complications/ *HERPES ZOSTER, OCULAR, drug therapy/ HERPES ZOSTER, OCULAR, pathology/ HODGKIN'S DISEASE, complications/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use

2902. **Pietruszko R, Theorell H, De Zalenski C:** Heterogeneity of alcohol dehydrogenase from human liver.
Arch Biochem Biophys 153:279-93, Nov 72
ADOLESCENCE/ ADULT/ ALCOHOL, ETHYL/ ALCOHOL, METHYL/ *ALCOHOL OXIDOREDUCTASES, analysis/ ALCOHOL OXIDOREDUCTASES, isolation & purification/ AMMONIUM SULFATE/ ANDROSTANES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, STARCH GEL/ FLUOROMETRY/ GEL FILTRATION/ HUMAN/ HYDROXYSTEROIDS/ ISOENZYMES, analysis/ 17-KETOSTEROIDS/ KINETICS/ *LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ NADP/ PRECIPITATION/ PROTEIN DENATURATION/ UREA

*PROSTAGLANDINS/ PROSTAGLANDINS, hiosynthesis/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, isolation & purification

2904. **Pilapil VR, Harp RA, Ehrhardt OE:** LSD and cyanotic congenital heart disease.
J Am Med Wom Assoc 28:131-2, Mar 73
*ABNORMALITIES, DRUG-INDUCED/ CYANOSIS, chemically induced/ *HEART DEFECTS, CONGENITAL, chemically induced/ INFANT, NEWBORN/ *LYSERGIC ACID DIETHYLAMIDE, adverse effects/ OVARY, drug effects/ PREGNANCY

2905. **Pilawski Z, Olszewska D, Piernikowski Z, et al:** Hamowanie laktacji chlormadinonem i mestranolem.
Wiad Lek 26:203-7, 1 Feh 73 **(Pol)**
ADOLESCENCE/ ADULT/ *CHLORMADINONE, pharmacodynamics/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *LACTATION, drug effects/ *MESTRANOL, pharmacodynamics/ PREGNANCY

2906. **Pimstone B, Becker D, Hendricks S:** TSH response to synthetic thyrotropin-releasing hormone in human protein-calorie malnutrition.
J Clin Endocrinol Metab 36:779-83, Apr 73
CHILD, PRESCHOOL/ HUMAN/ INFANT/ *INFANT NUTRITION DISORDERS, blood/ *NUTRITION DISORDERS, blood/ PROTEIN-CALORIE MALNUTRITION, blood/ SERUM ALBUMIN, analysis/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

2907. **Pineda MH, Garcia MC, Ginther OJ:** Effect of antiserum against an equine pituitary fraction on corpus luteum and follicles in mares during diestrus.
Am J Vet Res 34:181-3, Feb 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ ANTIBODIES/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, drug effects/ *ESTRUS/ FEMALE/ FSH, physiology/ GRAAFIAN FOLLICLE, anatomy & histology/ *GRAAFIAN FOLLICLE, drug effects/ *HORSES, physiology/ IMMUNE SERUMS, administration & dosage/ *IMMUNE SERUMS, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LH, physiology/ NEUTRALIZATION TESTS/ ORGAN WEIGHT/ PINEAL BODY, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, immunology/ SHEEP, immunology/ THYROID GLAND, anatomy & histology/ UTERUS, anatomy & histology

2908. **Pinero GJ, Roussel JD:** On the presence of deoxyribonuclease (DNASE) in the rahbit epididymis and its possihle significance in the removal of spermatozoa. Fertil Steril 24:145-9, Feh 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ *DEOXYRIBONUCLEASE, metabolism/ DEOXYRIBONUCLEASE, physiology/ *EPIDIDYMIS, enzymology/ HISTOCYTOCHEMISTRY/ LIGATION/ LYSOSOMES, enzymology/ MALE/ RABBITS/ *SPERMATOZOA/ TESTIS, enzymology/ VAS DEFERENS

2909. **Pinet A, Mornex R, Perrin J, et al:** Une cause rare ûe sciatalgies: phéochromocytome de la concavité scrée érodant le sacrum et l'os iliaque. diagnostic artériographique.
J Radiol Electrol Med Nucl 53:851-5, Dec 72 **(Fre)**
AORTOGRAPHY/ BONE DISEASES, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ HEMORRHAGE/ HUMAN/ *ILIUM/ ILIUM, radiography/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PHEOCHROMOCYTOMA, complications/ *SACRUM/ SACRUM, radiography/ *SCIATICA, etiology

2910. **Pingitore R:** La diffusione metastatica dl 783 tumori

maligni al tavolo anatomico.
Tumori 58:319-26, Sep-Oct 72 (Ita)
AUTOPSY/ BREAST NEOPLASMS, pathology/ ENGLISH ABSTRACT/ ESOPHAGEAL NEOPLASMS, pathology/ FEMALE/ GYNECOLOGIC NEOPLASMS, pathology/ HUMAN/ INTESTINAL NEOPLASMS, pathology/ LIVER NEOPLASMS, pathology/ LUNG NEOPLASMS, pathology/ MALE/ *NEOPLASM METASTASIS, pathology/ PROSTATIC NEOPLASMS, pathology/ STOMACH NEOPLASMS, pathology/ THYROID NEOPLASMS, pathology

2911. **Pingleton WW, Coalson JJ, Hinshaw LB, et al:** Effects of steroid pretreatment on development of shock lung. Hemodynamic, respiratory, and morphologic studies. Lab Invest 27:445-56, Nov 72
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ HEMODYNAMICS/ LUNG, drug effects/ LUNG, pathology/ *LUNG DISEASES, etiology/ METHYLPREDNISOLONE, pharmacodynamics/ MONKEYS/ PULMONARY CIRCULATION/ RESPIRATORY FUNCTION TESTS/ *SALICYLATES, pharmacodynamics/ *SHOCK, complications/ SHOCK, ENDOTOXIC, complications/ SHOCK, HEMORRHAGIC, complications

2912. **Pinkhas J, Oliver I, De Vries A, et al:** Pulmonary nocardiosis complicating malignant lymphoma successfully treated with chemotherapy.
Chest 63:367-70, Mar 73
AGAMMAGLOBULINEMIA, chemically induced/ AGAMMAGLOBULINEMIA, complications/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CASE REPORT/ CHLORAMBUCIL, adverse effects/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ IRRIGATION/ *LUNG DISEASES, etiology/ *LYMPHOSARCOMA, complications/ LYMPHOSARCOMA, drug therapy/ MALE/ MIDDLE AGE/ NOCARDIA ASTEROIDES, isolation & purification/ NOCARDIA INFECTIONS, drug therapy/ *NOCARDIA INFECTIONS, etiology/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SULFADIAZINE, therapeutic use/ SULFAMETHOXAZOLE, therapeutic use/ TRIMETHOPRIM, therapeutic use/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

2913. **Pintér J, Lénárt G, Rischák G:** Experimentelle Untersuchung einiger bei Knochenkompression auftretender Erscheinungen.
Acta Chir Acad Sci Hung 13:165-71, 1972 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, anatomy & histology/ *BONE AND BONES, physiology/ BONE AND BONES, surgery/ CATTLE/ CRYSTALLOGRAPHY/ ENGLISH ABSTRACT/ FRACTURE FIXATION/ HUMAN/ OSTEOTOMY/ STAINS AND STAINING/ X-RAY DIFFRACTION

2914. **Pion RJ, Hale RW, Reich L:** Vaginal administration of prostaglandins and early abortion.
J Reprod Med 9:413-5, Dec 72
*ABORTION, INDUCED/ DIARRHEA, chemically induced/ ERYTHEMA, chemically induced/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HEADACHE, chemically induced/ HUMAN/ NAUSEA, chemically induced/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ VAGINA/ VOMITING, chemically induced

2915. **Piper DW, Heap TR:** Medical management of peptic ulcer with reference to anti-ulcer agents in other gastro-intestinal diseases.
Drugs 3:366-403, 1972 (172 ref.)
AMIDES, therapeutic use/ ANTACIDS, adverse effects/ ANTACIDS, pharmacodynamics/ ANTACIDS, therapeutic use/ BENZOATES, therapeutic use/ COLONIC DISEASES, drug therapy/ COLONIC DISEASES, FUNCTIONAL, drug therapy/ ESOPHAGITIS, drug therapy/ ESTROGENS, therapeutic use/ GLYCYRRHIZA/ HOSPITALIZATION/ HUMAN/ PARASYMPATHOLYTICS, administration & dosage/ PARASYMPATHOLYTICS, adverse effects/ PARASYMPATHOLYTICS, pharmacodynamics/ PARASYMPATHOLYTICS, therapeutic use/ PEPSIN, antagonists & inhibitors/ *PEPTIC ULCER, drug therapy/ PEPTIC ULCER, physiopathology/ PEPTIC ULCER, radiotherapy/ PEPTIC ULCER, surgery/ PEPTIC ULCER, therapy/ REVIEW/ SMOKING/ STOMACH DISEASES, diagnosis/ STRESS, PSYCHOLOGICAL/ SUCCINATES, therapeutic use/ TERPENES, therapeutic use

2916. **Piras MM, Bindstein E, Piras R:** Regulation of glycoge metabolism in the adrenal gland. IV. The effect o insulin on glycogen synthetase, phosphorylase, an related metabolites.
Arch Biochem Biophys 154:263-9, Jan 73
ADENOSINE TRIPHOSPHATE, analysis/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ENZYME ACTIVATION, drug effects/ GLUCONEOGENESIS, drug effects/ GLUCOSEPHOSPHATES, analysis/ *GLUCOSYLTRANSFERASES, metabolism/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, analysis/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, analysis/ GLYCOGEN SYNTHETASE, metabolism/ IN VITRO/ *INSULIN, pharmacodynamics/ MALE/ PHOSPHATASES, antagonists & inhibitors/ PHOSPHORUS ISOTOPES/ RATS/ TIME FACTORS/ URIDINE DIPHOSPHATE SUGARS analysis

2917. **Pîrvu C, Iuraşog G, Ardeleanu R, et al:** Particularităţ ale meningitelor acute survenite la vîrstnici.
Microbiol Parazitol Epidemiol (Bucur) 17:521-6, Nov-Dec 72 (Rum
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ AGED/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MENINGITIS, MENINGITIS, complications/ MENINGITIS, drug therapy/ *MENINGITIS, VIRAL/ MIDDLE AGE/ PNEUMOCOCCAL INFECTIONS, complications/ STAPHYLOCOCCAL INFECTIONS, complications/ *TUBERCULOSIS, MENINGEAL

2918. **Pisani G, Sambuco E:** L'associazione dell'orciprenalina con progestativi nella terapia della minaccia di parto prematuro.
Ann Ostet Ginecol 93:506-13, Jul 72 (Ita
DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ FETUS, drug effects/ HEMODYNAMICS, drug effects/ HUMAN/ *LABOR, PREMATURE, prevention & control/ ORCIPRENALINE, pharmacodynamics/ *ORCIPRENALINE, therapeutic use/ PREGNANCY/ *PROGESTATIONAL HORMONES, therapeutic use

2919. **Pisanti N, Volterra G, Meli A:** Further investigations on o-ethoxybenzoylhydrazone of pyruvic acid (M6-42--ethoxyhydrazone). Mechanism of anti-inflammatory activity.
Farmaco [Sci] 27:919-28, Nov 72
*ADRENAL GLANDS, drug effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, toxicity/ CHOLESTEROL, blood/ CORTICOSTERONE, blood/ ETHERS, pharmacodynamics/ ETHERS, toxicity/ HYDRAZONES, administration & dosage/ HYDRAZONES, pharmacodynamics/ HYDRAZONES, toxicity/ *KIDNEY, drug effects/ MALE/ PYRUVATES, administration & dosage/ *PYRUVATES, pharmacodynamics/ PYRUVATES, toxicity/ RATS/ STIMULATION, CHEMICAL

2920. **Pisarek-Miedzińska D, Roszkowski I, Firek A:** Metaholizm lipidów u kobiet stosujących gestageny dla celów antykoncepcyjnych.
Ginekol Pol 43:1407-19, 1972 **(Pol)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHLORMADINONE, adverse effects/ *CHLORMADINONE, pharmacodynamics/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERLIPEMIA, chemically induced/ LIPIDS, blood/ *LIPIDS, metabolism/ MESTRANOL, adverse effects/ *MESTRANOL, pharmacodynamics/ PREGNANCY/ TIME FACTORS

2921. **Pitelka DR, Hamamoto ST, Duafala JG, et al:** Cell contacts in the mouse mammary gland. I. Normal gland in postnatal development and the secretory cycle. J Cell Biol 56:797-818, Mar 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, cytology/ CELL MEMBRANE/ DESMOSOMES/ EPITHELIAL CELLS, cytology/ FEMALE/ FREEZE ETCHING/ HISTOLOGICAL TECHNICS/ *INTERCELLULAR JUNCTIONS/ LACTATION/ *MAMMAE, cytology/ MAMMAE, growth & development/ MICE/ MICE, INBRED C3H/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ PREGNANCY/ WEANING

2922. **Pitiş M:** Cercetări de endocrinogerontologie.
Stud Cercet Endocrinol 23:423-8, 1972 **(Rum)**
AGE FACTORS/ AGED/ *ENDOCRINE DISEASES, etiology/ *ENDOCRINE GLANDS, physiology/ ENDOCRINE GLANDS, physiopathology/ HUMAN/ MIDDLE AGE

2923. **Pitot HC, Yatvin MB:** Interrelationships of mammalian hormones and enzyme levels in vivo.
Physiol Rev 53:228-325, Jan 73 (932 ref.)
ADRENAL CORTEX HORMONES, physiology/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ DOPAMINE, physiology/ ENZYME ACTIVATION/ ENZYME REPRESSION/ ENZYMES, biosynthesis/ *ENZYMES, metabolism/ ESTROGENS, physiology/ GASTROINTESTINAL HORMONES, physiology/ HISTAMINE, physiology/ *HORMONES, physiology/ HUMAN/ HYPOPHYSECTOMY/ PARATHYROID HORMONE, physiology/ PITUITARY HORMONES, physiology/ REVIEW/ SEROTONIN, physiology/ THYROID HORMONES, physiology/ THYROIDECTOMY/ THYROXINE, physiology/ TIME FACTORS

2924. **Pittman JG, Maloof F:** Hypothyroidism with unusual features following propylthiouracil therapy of Graves' disease. Am J Med Sci 264:499-505, Dec 72
ADULT/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, blood/ *PROPYLTHIOURACIL, adverse effects/ PROPYLTHIOURACIL, therapeutic use/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism

2925. **Pitzele S, Sze S, Dobell AR:** Inhibition of serotonin-induced blood cell aggregation in the dog.
Surgery 73:416-22, Mar 73
ANIMAL EXPERIMENTS/ *BLOOD CELLS, drug effects/ BLOOD PLATELETS, drug effects/ *CYPROHEPTADINE, pharmacodynamics/ DOGS/ HEMATOCRIT/ *METHYSERGIDE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics

2926. **Piva F, Kalra PS, Martini L:** Participation of the amygdala and of the cerebellum in the feedback effects of progesterone.
Neuroendocrinology 11:229-39, 1973
AMYGDALOID BODY, drug effects/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CEREBELLUM, drug effects/ *CEREBELLUM, physiology/ FEEDBACK/ FEMALE/ FSH, secretion/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *LH, secretion/ OVARY/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, secretion/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ RATS/ STERILITY, FEMALE

2927. **Piziak VK, Gawienowski AM:** Biosynthesis of progesterone from endogenous steroid precursor by the guinea-pig placenta.
J Reprod Fertil 32:283-5, Feb 73
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CENTRIFUGATION/ FEMALE/ GUINEA PIGS/ NAD, metabolism/ NADP, metabolism/ *PLACENTA, metabolism/ PREGNENOLONE, metabolism/ *PROGESTERONE, biosynthesis

2928. **Platt D, Eimer H:** Aktivitätmessungen lysosomaler Enzyme im menschlichen Serum nach Gabe von bormonalen Kontrazeptiva.
Klin Wochenschr 51:91-2, 15 Jan 73 **(Ger)**
*ALANINE AMINOTRANSFERASE, blood/ *ASPARTATE AMINOTRANSFERASE/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ *GLUCOSAMINIDASE, blood/ *GLUCURONIDASE, blood/ HUMAN/ LIVER DISEASES, enzymology/ LYNESTRENOL, pharmacodynamics

2929. **Platzbecker H, Köhler K, Liebscher J, et al:** Der Wert angiographischer Zusatzuntersuchungen in der lymphographischen Metastasendiagnostik.
Radiol Diagn (Berl) 13:679-80, 1972 **(Ger)**
ADENOCARCINOMA, radiography/ *ANGIOGRAPHY/ BLADDER NEOPLASMS, radiography/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ GYNECOLOGIC NEOPLASMS, radiography/ HUMAN/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ PHLEBOGRAPHY/ TESTICULAR NEOPLASMS, radiography

2930. **Plaut SM, Graham CW 3d, Leiner KY:** Effects of prenatal maternal handling and rearing with aunts on behavior, brain weight, and whole-brain serotonin levels. Dev Psychobiol 5:215-21, 1972
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BEHAVIOR, ANIMAL/ BRAIN, anatomy & histology/ *BRAIN CHEMISTRY/ EXPLORATORY BEHAVIOR/ FEMALE/ *HANDLING (PSYCHOLOGY)/ HOUSING, ANIMAL/ MALE/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *SEROTONIN, analysis/ SEX FACTORS/ SOCIAL ENVIRONMENT/ WEANING

2931. **Plewig G:** Pathomechanismus der Steroid-Acne (SA.
Arch Dermatol Forsch 244:544-6, 1972 **(Ger)**
*ACNE, chemically induced/ ACNE, physiopathology/ ATROPHY/ FLUOCINOLONE ACETONIDE, administration & dosage/ *FLUOCINOLONE ACETONIDE, adverse effects/ HUMAN/ SKIN APPENDAGE DISEASES, chemically induced

2932. **Piotti G, Romanini C, Dell'Acqua S:** Diabete insipido e gravidanza. (Considerazioni sulla contrattilità uterina.
Ann Ostet Ginecol 93:220-9, Mar 72 **(Fre)**
ADULT/ *DIABETES INSIPIDUS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LABOR COMPLICATIONS/ PREGNANCY/ *PREGNANCY IN DIABETES/ UTERUS, physiopathology

2933. **Pobiete M:** Hipofisólisis por irradiación intersticial en el tratamiento del cancer avanzado de mama.
Rev Med Chil 100:1241-3, Oct 72 (Spa)
ADULT/ AGED/ *BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ METHODS/ MIDDLE AGE/ *PITUITARY GLAND IRRADIATION/ PITUITARY GLAND IRRADIATION, adverse effects/ POSTOPERATIVE COMPLICATIONS/ *STEREOTAXIC TECHNICS/ YTTRIUM ISOTOPES, therapeutic use

2934. **Podack ER, Seubert W:**
2,3-trans-Hexenoyl-CoA-Reduktase und 2,3-trans-Decenoyl-CoA-Reduktase als Bestandteile der mikrosomalen, Malonoyl-CoA-abhängigen bzw. der mitochondrialen,Acetyl-CoA-abhängigen Kettenverlängerung von Fettsäuren.
Hoppe Seylers Z Physiol Chem 353:1557, Oct 72 (Ger)
ADRENAL GLANDS, enzymology/ COENZYME A, metabolism/ FATTY ACIDS, metabolism/ FATTY ACIDS, UNSATURATED/ MALONATES/ *MICROSOMES, enzymology/ MICROSOMES, metabolism/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ *OXIDOREDUCTASES, metabolism

2935. **Poemnyĭ FA, Trubnikov BM:** O lechenii vegetativno-sosudistykh paroksizmov pri infektsionnykh i toksicheskikh porazheniiakh gipotalamicheskoĭ oblasti.
Klin Med (Mosk) 50:68-71, Sep 72 (Rus)
ADOLESCENCE/ ADULT/ *CARBON DISULFIDE, poisoning/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ *INFLUENZA, complications/ MALE/ MIDDLE AGE/ NERVOUS SYSTEM DISEASES, chemically induced/ *NERVOUS SYSTEM DISEASES, etiology/ NERVOUS SYSTEM DISEASES, therapy/ *TONSILLITIS, complications

2936. **Pohl G, Galvan G, Steiner H, et al:** Das autonome Adenom der Schilddrüse im Struma-Endemiegebiet.
Dtsch Med Wochenschr 98:189-93, 2 Feb 73 (Ger)
*ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, ENDEMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROTROPIN, diagnostic use

2937. **Pokorný J, Sterc J, Nováková V:** Influence of the time of weaning and of starvation during the weaning period on the bioelectrical activity of the septo-hypothalamo-hippocampal system of rats in adulthood. Physiol Bohemoslov 21:338-42, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN, growth & development/ BRAIN, physiopathology/ ELECTROPHYSIOLOGY/ FEMALE/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *STARVATION/ TIME FACTORS/ *WEANING

2938. **Poland JL, Trauner DA:** Adrenal influence on the supercompensation of cardiac glycogen following exercise. Am J Physiol 224:540-2, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ DEXAMETHASONE, pharmacodynamics/ *EXERTION/ *GLYCOGEN, metabolism/ MALE/ *MYOCARDIUM, metabolism/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

2939. **Poland RE, Rubin RT, Clark BR, et al:** Circadian patterns of urine 17-OHC and VMA excretion during sleep deprivation. Dis Nerv Syst 33:456-8, Jul 72
ADRENAL GLANDS, secretion/ ADULT/ *CIRCADIAN RHYTHM/ CLINICAL RESEARCH/ HUMAN/ HYDROCORTISONE, secretion/ *17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ *SLEEP DEPRIVATION/ *VANILMANDELIC ACID, urine

2940. **Poland MK, Kanaar P:** A clinical trial with hydrocortisone butyrate cream in eczema.
Br J Dermatol 88:83-5, Jan 73
ACETATES, therapeutic use/ BUTYRATES, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *ECZEMA, drug therapy/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ OINTMENTS, therapeutic use/ TRIAMCINOLONE ACETONIDE, therapeutic use

2941. **Polenov AL, Gariov PE:** The hypothalamo-hypophysial system in Acipenseridae. 3. The neurohypophysis of Acipenser güldenstädti Brandt and Acipenser stellatus Pallas.
Z Zellforsch Mikrosk Anat 136:461-77, 6 Feb 73
ANIMAL EXPERIMENTS/ CAPILLARIES, cytology/ CELLULAR INCLUSIONS/ CILIA/ CONNECTIVE TISSUE CELLS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENDOTHELIUM, cytology/ EPENDYMA, cytology/ FEMALE/ FIBROBLASTS, cytology/ *FISHES, anatomy & histology/ GOLGI APPARATUS/ LIPIDS/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NERVE ENDINGS, cytology/ NEUROGLIA, cytology/ NEUROSECRETION/ *PITUITARY GLAND, POSTERIOR, cytology

2942. **Poliak E:** Le traitement d'urgence des morsures de vipère en Israël.
Eur J Toxicol 5:203-7, May-Jun 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ *ANTIVENINS, therapeutic use/ EMERGENCIES/ ENGLISH ABSTRACT/ HUMAN/ ISRAEL/ METHODS/ SNAKE BITES, drug therapy/ SNAKE BITES, surgery/ *SNAKE BITES, therapy

2943. **Poller L:** The effects of progestogens on blood clotting and platelet function. J Clin Pathol 25:1007, Nov 72
*BLOOD COAGULATION, drug effects/ *BLOOD PLATELETS, drug effects/ CHLORMADINONE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *NORETHINDRONE, pharmacodynamics

2944. **Polliack A, Laufer A, George R, et al:** The effect of cortisone on the formation and resorption of experimental amyloid. Br J Exp Pathol 54:6-12, Feb 73
AMYLOID, metabolism/ *AMYLOIDOSIS, metabolism/ AMYLOIDOSIS, pathology/ ANIMAL EXPERIMENTS/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ FREUND'S ADJUVANT/ HISTOCYTOCHEMISTRY/ KIDNEY, pathology/ LIVER, pathology/ LYSOSOMES, drug effects/ MACROPHAGES, drug effects/ MICE/ RETICULOENDOTHELIAL SYSTEM, drug effects/ SPLEEN, pathology/ SPLENIC DISEASES, metabolism/ SPLENIC DISEASES, pathology/ TIME FACTORS

2945. **Pollono F, Carli M:** A proposito di un caso di osteoporomalacia in soggetto nefrosclerotico.
Arch Sci Med (Torino) 129:186-92, Jul-Sep 72 (Ita)
AGED/ ALKALINE PHOSPHATASE, metabolism/ CALCIUM, metabolism/ DECALCIFICATION, PATHOLOGIC, metabolism/ ENGLISH ABSTRACT/ FIBROUS DYSPLASIA OF BONE, diagnosis/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ *NEPHROSCLEROSIS, complications/ NEPHROSCLEROSIS, metabolism/ OSTEOMALACIA, diagnosis/ *OSTEOMALACIA, etiology/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, etiology/ PHOSPHORUS, metabolism

2946. **Pomerance J:** Steroid contraception and its effects on lactation are a public health dilemma.
Health Serv Rep 87:611-6, Aug-Sep 72 (18 ref.)
ANIMAL EXPERIMENTS/ BREAST FEEDING/ CHLORMADINONE, adverse effects/ *CONTRACEPTIVES, ORAL/ ETHINYL

ESTRADIOL, adverse effects/ ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, adverse effects/ INFANT/ INFANT, NEWBORN/ INFANT NUTRITION/ INTRAUTERINE DEVICES/ LACTATION, drug effects/ LYNESTRENOL, adverse effects/ MESTRANOL, adverse effects/ NORETHINDRONE, adverse effects/ NORETHYNODREL, adverse effects/ PREGNANCY/ PUBLIC HEALTH/ REVIEW

2947. **Pongpanich B, Bhanchet P, Phanichyakarn P, et al:** Studies on dengue hemorrhagic fever. Clinical study: an evaluation of steroids as a treatment.
J Med Assoc Thai 56:6-14, Jan 73
CHILD/ CHILD, PRESCHOOL/ *DENGUE, drug therapy/ *EPIDEMIC HEMORRHAGIC FEVER, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ SHOCK, HEMORRHAGIC, therapy/ WATER-ELECTROLYTE BALANCE

2948. **Poon MC, Epstein SW, Sepp H:** Immunofluorescent staining of lung biopsy in fibrosing alveolitis.
Can Med Assoc J 108:734-5 passim, 17 Mar 73
BIOPSY/ FEMALE/ FIBRINOGEN, analysis/ *FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ *LUNG, immunology/ LUNG, pathology/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PULMONARY ALVEOLI, immunology/ PULMONARY FIBROSIS, drug therapy/ *PULMONARY FIBROSIS, immunology/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography/ RESPIRATORY FUNCTION TESTS

2949. **Popovtzer MM, Robinette J, Halgrimson CG, et al:** Acute effect of prednisolone on renal handling of sodium.
Am J Physiol 224:651-8, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ KIDNEY, drug effects/ KIDNEY TUBULES, PROXIMAL, drug effects/ *NATRIURESIS, drug effects/ *PREDNISOLONE, pharmacodynamics/ RATS/ SODIUM CHLORIDE/ STIMULATION, CHEMICAL/ WATER-ELECTROLYTE BALANCE

2950. **Porter GA, Kimsey J:** The effect of a new anti-aldosterone agent SC19886 on aldosterone-stimulated transepithelial sodium transport.
J Steroid Biochem 3:201-8, Feb 72
ALDOSTERONE, administration & dosage/ *ALDOSTERONE, antagonists & inhibitors/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BLADDER, drug effects/ BLADDER, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ EPITHELIUM, drug effects/ EPITHELIUM, metabolism/ IN VITRO/ KINETICS/ *SODIUM, metabolism/ TOADS

2951. **Porter P, Blum JJ:** On the regulation of tyrosine transaminase, glutamatic dehydrogenase and aspartic transaminase in Tetrahymena.
Exp Cell Res 77:335-45, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ CHLORAMPHENICOL, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *GLUTAMATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ METHODS/ PROTEINS, antagonists & inhibitors/ PROTEINS, biosynthesis/ RNA, biosynthesis/ STIMULATION, CHEMICAL/ *TETRAHYMENA PYRIFORMIS, enzymology/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, metabolism/ URACIL, metabolism

2952. **Poskalenko AN, Boĭkova VV:** Vliianie nibufina na reproduktivnuiu funktsiiu i kontratseptivnyĭ effekt gormonal'nykh preparatov.
Farmakol Toksikol 35:638-40, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CHOLINESTERASE, blood/ *CHOLINESTERASE INHIBITORS, pharmacodynamics/ CHOLINESTERASE INHIBITORS, toxicity/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG SYNERGISM/ *ESTRUS, drug effects/ FEMALE/ FERTILITY, drug effects/ *MEGESTROL, pharmacodynamics/ OVARY, drug effects/ *PHOSPHATES, pharmacodynamics/ PHOSPHATES, toxicity/ PREGNANCY/ PREGNANCY, ANIMAL/ *PREGNANCY COMPLICATIONS/ RATS

2953. **Posteinicu D, Săhleanu V:** Studii şi cercetări de endocrinologie generală.
Stud Cercet Endocrinol 23:429-38, 1972 (Rum)
ANIMAL EXPERIMENTS/ *ENDOCRINOLOGY/ HUMAN/ RESEARCH/ RUMANIA

2954. **Poster MF:** Thyroid eponymy.
N Engl J Med 288:422, 22 Feb 73
CANADA/ *EPONYMS/ *GOITER, EXOPHTHALMIC, history/ GREAT BRITAIN/ *HEART AUSCULTATION, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ *HYPERTHYROIDISM, history/ UNITED STATES

2955. **Poulos A, Vogimayr JK, White IG:** Changes in the phospholipid composition of bovine spermatozoa during their passage through the male reproductive tract.
J Reprod Fertil 32:309-10, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CEPHALINS, analysis/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, analysis/ LECITHINS, analysis/ MALE/ *PHOSPHOLIPIDS, analysis/ *SPERMATOZOA, analysis/ SPHINGOMYELINS, analysis/ *TESTIS, analysis

2956. **Poulose KP, Padmanabhan V:** The value of the suppression test in patients with goitre.
Indian J Med Sci 26:819-22, Dec 72
ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, diagnostic use

2957. **Póvoa LC, Schermann J, Rodrigues J, et al:** Disgenesias anatômicas da tiróide. Consideraçãoes acerca de 49 observaçãoes.
Rev Assoc Med Bras 18:483-8, Dec 72 (Por)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, classification/ *HYPOTHYROIDISM, etiology/ MALE/ RADIOISOTOPE SCANNING/ *THYROID GLAND, abnormalities

2958. **Powell JE, Stevens VC:** Simple radioimmunoassay of five unconjugated ovarian steroids in a single sample of serum or plasma.
Clin Chem 19:210-5, Feb 73
ADSORPTION/ ANTIBODY SPECIFICITY/ CARBON ISOTOPES/ CHARCOAL/ CLIMACTERIC/ CROSS REACTIONS/ DEXTRAN/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, blood/ *ESTRIOL, blood/ *ESTRONE, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDROXYPROGESTERONE, blood/ IMMUNE SERUMS/ MALE/ MENSTRUATION/ OSMOLAR CONCENTRATION/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

2959. **Pradet A, Raymond P, Narayanan A:** Confirmation de la présence de l'AMP cyclique dans les semences de laitue, var. reine de mai.
C R Acad Sci [D] (Paris) 275:1987-8, 30 Oct 72 (Fre)

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, PAPER/ METHODS/ MYOCARDIUM, enzymology/ PHOSPHOTRANSFERASES, metabolism/ *PLANTS, EDIBLE, analysis/ *SEEDS, analysis

2960. **Pranchev N:** Rezultati ot prilozhenieto na peroralna antikontseptalia s Metrulen pri 12 zheni v produlzhenie na 6 mesetsa.
Akush Ginekol (Sofiia) 11:357-8, 1972 (Bul)
*CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ HUMAN/ *MESTRANOL, administration & dosage/ PREGNANCY

2961. **Prasad KN, Kumar S:** Cyclic 3',5'-AMP phosphodiesterase activity during cyclic AMP-induced differentiation of neuroblastoma cells in culture. Proc Soc Exp Biol Med 142:406-9, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ BUTYRATES, pharmacodynamics/ *CELL DIFFERENTIATION, drug effects/ CELL DIFFERENTIATION, radiation effects/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ETHERS, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ KETONES, pharmacodynamics/ MICE/ NEUROBLASTOMA, enzymology/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RADIATION EFFECTS/ SODIUM, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

2962. **Prasad KN, Kumar S, Gilmer K, et al:** Cyclic AMP-induced differentiated neuroblastoma cells: changes in total nucleic acid and protein contents.
Biochem Biophys Res Commun 50:973-7, 20 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CELL DIFFERENTIATION, drug effects/ CELL NUCLEUS, drug effects/ CELLS, CULTURED/ *DNA, NEOPLASM, metabolism/ IMIDAZOLES, pharmacodynamics/ MICE/ *NEOPLASM PROTEINS, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NEUROBLASTOMA, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *RNA, NEOPLASM, metabolism

2963. **Prasad RS:** Sterile male of the rat-flea Xenopsylla cheopis rothschild (Siphonaptera).
Trans R Soc Trop Med Hyg 66:945-6, 1972
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *FLEAS/ LARVA/ MALE/ SPERMATOZOA/ STERILITY, MALE/ TESTIS, abnormalities/ TESTIS, anatomy & histology

2964. **Pratt-Johnson JA, Drance SM:** Surgical treatment of dysthyroid restriction syndromes.
Can J Ophthalmol 7:405-12, Oct 72
ADHESIONS, surgery/ ADULT/ AGED/ *CONNECTIVE TISSUE/ CONNECTIVE TISSUE, surgery/ DIAGNOSIS, DIFFERENTIAL/ FASCIA, surgery/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ *MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, surgery/ OCULOMOTOR PARALYSIS, diagnosis/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ STRABISMUS, diagnosis/ *STRABISMUS, etiology/ STRABISMUS, surgery/ SYNDROME

2965. **Preibisz J:** Studies of the behavior of 5-hydroxyindoleacetic acid in experimental pulmonary embolism. Pol Med J 11:1163-71, 197
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD PLATELETS, metabolism/ BLOOD PRESSURE, drug effects/ CARBON DIOXIDE, blood/ CELL AGGREGATION, drug effects/ DOGS/ HEPARIN, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ *HYDROXYINDOLEACETIC ACID, blood/ METHYSERGIDE, pharmacodynamics/ OXYGEN, blood/ PARTIAL PRESSURE/ PULMONARY ARTERY/ *PULMONARY EMBOLISM, blood/ PULMONARY EMBOLISM, physiopathology/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism/ SEROTONIN, physiology/ TIME FACTORS

2966. **Presiock JP, Hampton SH, Hampton JK Jr:** Cyclic variations of serum progestins and immunoreactive estrogens in marmosets.
Endocrinology 92:1096-101, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *ESTRADIOL, blood/ FEMALE/ MONKEYS/ *PERIODICITY/ PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ TRITIUM

2967. **Presto AJ 3d, Middleton RG:** Cure of hypertension in a child with renal artery stenosis and hydronephrosis in a solitary kidney. J Urol 109:98-100, Jan 73
CHILD/ HUMAN/ *HYDRONEPHROSIS, complications/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, etiology/ *HYPERTENSION, RENAL, surgery/ MALE/ NEPHRECTOMY/ *RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, surgery/ RENIN, blood/ SAPHENOUS VEIN, surgery/ URETERAL OBSTRUCTION, complications

2968. **Preuschoft H, Weinmann W:** Biomechanical investigations of Limnopithecus with special reference to the influence exerted by body weight on bone thickness.
Am J Phys Anthropol 38:241-50, Mar 73
ANIMAL EXPERIMENTS/ BIOMECHANICS/ BIOMETRY/ *BODY WEIGHT/ *BONE AND BONES/ *PALEONTOLOGY/ POSTURE/ *PRIMATES, anatomy & histology

2969. **Preussmann R:** Carcinogene pflanzeninhaltsstoffe.
Planta Med 22:217-8, Nov 72 (Ger)
ANIMAL EXPERIMENTS/ AZO COMPOUNDS/ BENZOPYRENES/ *CARCINOGENS/ CATTLE/ CHEMISTRY/ CHICKENS/ DOGS/ ENGLISH ABSTRACT/ GUINEA PIGS/ HUMAN/ LACTONES/ MICE/ OILS, VOLATILE/ PHENANTHRIDINES/ PLANT EXTRACTS/ *PLANTS/ PYRROLIZIDINE ALKALOIDS/ RABBITS/ RATS/ TANNINS/ THIOUREA

2970. **Pribiuda BA:** Sluchaĭ vrozhdennogo listerioza.
Arkh Patol 35:77-8, 1973 (Rus)
ADRENAL GLANDS, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, microbiology/ INFANT, NEWBORN, DISEASES, pathology/ *LISTERIA INFECTIONS, congenital/ LISTERIA INFECTIONS, pathology/ LIVER, pathology/ MALE

2971. **Přibyl T, Schreiber V, Roháčová J:** Further characteristics of the association of thyroxine with adenohypophysial proteins in vitro.
Physiol Bohemoslov 21:503-10, 1972
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ ESTROGENS, pharmacodynamics/ MALE/ PHENYLALANINE, metabolism/ *PITUITARY GLAND, metabolism/ PRECIPITATION/ PROTEIN BINDING, drug effects/ RATS/ *THYROXINE-BINDING PROTEIN, metabolism/ TYROSINE, metabolism

2972. **Přibyl T, Schreiber V, Roháčová J:** Organ growth and thyroxine binding to tissue proteins in oestrogen-treated rats: adenohypophysis, adrenals and salivary glands.
Physiol Bohemoslov 21:497-502, 1972
*ADRENAL GLANDS, growth & development/

ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, growth & development/ PITUITARY GLAND, metabolism/ RATS/ *SALIVARY GLANDS, growth & development/ SALIVARY GLANDS, metabolism/ SEX FACTORS/ *THYROXINE-BINDING PROTEIN, metabolism

2973. **Pridgen WR, Tipton BK, Pitcock JA:** Cushing's syndrome: diagnosis and surgical management.
South Med J 66:313-6, Mar 73
ADENOMA, complications/ ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADRENALECTOMY/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CUSHING'S SYNDROME/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, pathology/ CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS

2974. **Prindull G, Prindull B:** Hämatopoetishe Stammzellen, das lymphatische thymus-abhängige System und primäre Immunmangelsyndrome des Kindesalters.
Monatsschr Kinderheilkd 121:22-6, Jan 73 (95 ref.) (Ger)
AUTOIMMUNE DISEASES, complications/ BONE MARROW/ BONE MARROW, transplantation/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ FETUS/ GRAFT VS HOST REACTION/ *HEMATOPOIETIC STEM CELLS/ HUMAN/ IMMUNITY, CELLULAR/ *IMMUNOLOGIC DEFICIENCY SYNDROMES/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ LIVER/ *T-LYMPHOCYTES/ NEOPLASMS, complications/ PARATHYROID GLANDS, abnormalities/ PREGNANCY/ REVIEW/ THYMUS GLAND, abnormalities/ THYMUS GLAND, embryology/ THYMUS GLAND, physiology/ TRANSPLANTATION, HOMOLOGOUS

2975. **Printz JL, Choate JW, Townes PL, et al:** The embryology of supernumerary ovaries.
Obstet Gynecol 41:246-52, Feb 73
ADULT/ DERMOID CYST, pathology/ FEMALE/ HUMAN/ OMENTUM, abnormalities/ OVARIAN NEOPLASMS, pathology/ *OVARY, abnormalities/ OVARY, embryology/ OVARY, pathology

2976. **Prokof'eva LI:** K mekhanizmu izmenenii sosudistoĭ reaktivnosti pri gipofunktsii shchitovidnoĭ zhelezy i pri nagruzke zhivotnykh tiroksinom.
Probl Endokrinol (Mosk) 18:82-6, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ BLOOD VESSELS, drug effects/ BLOOD VESSELS, physiopathology/ COLD, diagnostic use/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ HEAT, diagnostic use/ *HYPOTHYROIDISM, physiopathology/ MALE/ RABBITS/ REFLEX/ SKIN, blood supply/ SKIN TEMPERATURE/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ VASOMOTOR SYSTEM, drug effects/ *VASOMOTOR SYSTEM, physiopathology

2977. **Prokopová D:** Die kollagenolytische Aktivität im gesunden und im experimentell geschädigten Rattenknochen.
Beitr Rheumatol 18:158-62, 1972 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, enzymology/ BONE AND BONES, physiology/ *CLOSTRIDIOPEPTIDASE A, metabolism/ *COLLAGEN, metabolism/ EPIPHYSES, enzymology/ FEMUR/ FIBULA/ HYDROCORTISONE, physiology/ IMMOBILIZATION/ MALE/ PARATHYROID HORMONE, physiology/ PENICILLAMINE, pharmacodynamics/ RATS/ THYROXINE, physiology/ TIBIA

2978. **Prop FJ:** Cel-programmering; invloeden door celdichtheid en door hormonen.
Ned Tijdschr Geneeskd 116:2120-1, 11 Nov 72 (Dut)
ANIMAL EXPERIMENTS/ HORMONES, physiology/ *MAMMAE, physiology/ MICE/ ORGAN CULTURE/ TISSUE CULTURE

2979. **Propping P:** Comparison of point mutation rates in different species with human mutation rates.
Humangenetik 16:43-8, 1972
ANIMAL EXPERIMENTS/ BACTERIA/ DROSOPHILA MELANOGASTER/ ESCHERICHIA COLI/ FUNGI/ GENES, DOMINANT/ GENES, RECESSIVE/ GENETICS, HUMAN/ GENETICS, MICROBIAL/ HUMAN/ MICE/ *MUTATION/ NEUROSPORA CRASSA/ SALMONELLA TYPHIMURIUM/ SEX CHROMOSOMES/ SPECIES SPECIFICITY/ TIME FACTORS

2980. **Propst S, Banerjee S, Kelleher JK, et al:** Inhibition of cilia regeneration by antineoplastic agents: delay of band migration by vinblastine (NSC-49842), griseofulvin (NSC-34533), and -peltatin (NSC-24819).
Cancer Chemother Rep 56:557-8, Oct 72
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ BENZOFURANS, pharmacodynamics/ *CILIA, drug effects/ *CILIATA, drug effects/ COLCHICINE, pharmacodynamics/ DIOXOLES, pharmacodynamics/ GRISEOFULVIN, pharmacodynamics/ MELATONIN, pharmacodynamics/ MITOSIS, drug effects/ REGENERATION, drug effects/ TIME FACTORS/ VINBLASTINE, pharmacodynamics

2981. **Prosnitz LR, Farber LR, Fischer JJ, et al:** Low dose radiation therapy and combination chemotherapy in the treatment of advanced Hodgkin's disease.
Radiology 107:187-93, Apr 73
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ VINBLASTINE, administration & dosage/ VINBLASTINE, therapeutic use/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

2982. **Prusík Z, Sedláková E, Barth T:** Isolation of (Arg 8)vasopressin from the neurophysin complex by free-flow continuous electrophoresis.
Hoppe Seylers Z Physiol Chem 353:1837-40, Dec 72
ACETIC ACIDS/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ARGININE/ BUFFERS/ CATTLE/ DIURESIS, drug effects/ ELECTROPHORESIS/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ MALE/ *NEUROPHYSINS, analysis/ PITUITARY GLAND, POSTERIOR, analysis/ PYRIDINES/ RATS/ UTERUS, drug effects/ *VASOPRESSIN, isolation & purification/ VASOPRESSIN, pharmacodynamics

2983. **Pryor WH Jr, Huizenga CG, Splitter GA, et al:** Coccidioides immitis encephalitis in two dogs.
J Am Vet Med Assoc 161:1108-12, 15 Nov 72
ANIMAL EXPERIMENTS/ BRAIN, pathology/ COCCIDIOIDOMYCOSIS, pathology/ *COCCIDIOIDOMYCOSIS, veterinary/ *DOG DISEASES, etiology/ DOG DISEASES, pathology/ DOGS/ ENCEPHALITIS, etiology/ ENCEPHALITIS, pathology/ *ENCEPHALITIS, veterinary/ KIDNEY, pathology/ MALE/ MYOCARDIUM, pathology/ TESTIS, pathology

2984. **Pryor WJ, Laws L:** Feeding wheat to cattle. 1. The effect of grain to roughage ratio, grain processing and sodium bicarbonate supplementation on productivity

and health in steers. Aust Vet J 48:500-3, Sep 72
ADIPOSE TISSUE/ ANIMAL EXPERIMENTS/ *ANIMAL FEED/ ANIMAL NUTRITION/ *BICARBONATES/ BODY COMPOSITION/ BODY WEIGHT/ BONE AND BONES/ *CATTLE/ HEALTH/ MALE/ MUSCLES/ SODIUM/ *WHEAT

2985. **Puizillout JJ, Ternaux JP, Foutz A:** Effets immédiats et différés de la destruction des parties antérieures et postérieures du système sérotonophorique du tronc cérébral sur les synchronisations vago-aortiques. J Physiol (Paris) 65:Suppl:289A, Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ *AORTA, innervation/ BLOOD PRESSURE DETERMINATION/ *BRAIN STEM, physiology/ CATS/ ELECTROENCEPHALOGRAPHY/ GENICULATE BODIES, physiology/ INSOMNIA, etiology/ NARCOLEPSY, etiology/ PONS, physiology/ RETICULAR FORMATION, physiology/ *SEROTONIN, physiology/ SLEEP/ THALAMUS, physiology/ *VAGUS NERVE, physiology

2986. **Pukhova IaI, Okladnikov IuN, Liubetskaia LS:** Issledovaniia allergennykh svoistv khlorelly. Kosm Biol Med 6:23-8, Jan-Feb 72 **(Rus)**
*ALGAE, GREEN, immunology/ *ALLERGENS, analysis/ ALPHA GLOBULIN, metabolism/ *ANAPHYLAXIS, etiology/ ANAPHYLAXIS, immunology/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTISTREPTOLYSIN, metabolism/ BETA GLOBULIN, metabolism/ COMPLEMENT, metabolism/ ENGLISH ABSTRACT/ GAMMA GLOBULIN, metabolism/ HUMAN/ HYALURONIDASE, antagonists & inhibitors/ HYPERSENSITIVITY, blood/ *HYPERSENSITIVITY, etiology/ HYPERSENSITIVITY, immunology/ IGE, metabolism/ 17-KETOSTEROIDS, metabolism/ MURAMIDASE, metabolism/ RABBITS/ SHWARTZMAN PHENOMENON, etiology/ SHWARTZMAN PHENOMENON, immunology

2987. **Pulgram A, Zimprich H, Weippl G:** Lupus erythematodes im KIndesalter.
Wien Klin Wochenschr 85:67-70, 2 Feb 73 **(Ger)**
ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, immunology/ AUTOANTIBODIES/ AZATHIOPRINE, therapeutic use/ CHILD/ CHLOROQUINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, etiology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, occurrence/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use

2988. **Pulito AR, Shaw A:** Median ectopic thyroid gland. J Pediatr Surg 8:73-4, Feb 73
CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYOID BONE, surgery/ METHODS/ RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID GLAND, abnormalities/ THYROIDECTOMY

2989. **Pürschel W:** Zur Klimatherapie und Katamnese der Neurodermitis.
Arch Dermatol Forsch 244:357-62, 1972 **(Ger)**
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND DISEASES, etiology/ ATROPHY/ *CLIMATE/ DISABILITY EVALUATION/ EVALUATION STUDIES/ FEMALE/ HUMAN/ ICHTHYOSIS, therapy/ MALE/ NEURODERMATITIS, classification/ NEURODERMATITIS, drug therapy/ *NEURODERMATITIS, therapy/ *PHYSICAL THERAPY/ PRURIGO, therapy/ RECURRENCE/ SEBORRHEA, therapy

2990. **Purvis K, Haynes NB:** Environmental factors and testicular hormone production in the male rat. J Reprod Fertil 31:490-1, Dec 72
ANIMAL EXPERIMENTS/ *COITUS/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ RATS/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TIME FACTORS

Q

2991. **Quadri SK, Kledzik GS, Meites J:** Reinitiation of estrous cycles in old constant-estrous rats by central-acting drugs. Neuroendocrinology 11:248-55, 1973
AGING/ ANIMAL EXPERIMENTS/ *DOPA, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ FSH, secretion/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, secretion/ *IPRONIAZID, pharmacodynamics/ LH, secretion/ PITUITARY GLAND, secretion/ PROLACTIN, secretion/ RATS

2992. **Quagliata F, Lawrence VJ, Phillips-Quagliata JM:** Prostaglandin E I as a regulator of lymphocyte function. Selective action on B lymphocytes and synergy with procarbazine in depression of immune responses. Cell Immunol 6:457-65, Mar 73
ANIMAL EXPERIMENTS/ ANTIGENS, BACTERIAL/ ANTILYMPHOCYTE SERUM/ *BENZOATES, pharmacodynamics/ BINDING SITES/ BRUCELLA ABORTUS, immunology/ CHROMIUM ISOTOPES/ COMPLEMENT/ DRUG SYNERGISM/ GRAFT REJECTION/ *IMMUNOSUPPRESSION/ LYMPH NODES, cytology/ *B-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED A/ MICE, INBRED AKR/ MICE, INBRED C3H/ MICE, INBRED CBA/ PROCARBAZINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SKIN transplantation/ SPLEEN, cytology/ THYMUS GLAND, cytology/ TRANSPLANTATION, HOMOLOGOUS

R

2993. **Rabinowitz B, Katz J:** Method for determination of cyclic AMP in plasma. Clin Chem 19:312-4, Mar 7
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BARIUM/ CARRIER PROTEINS/ CARRIER PROTEINS, isolation & purification/ CORONARY DISEASE, blood/ DOGS/ GLUCAGON, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE HUMAN/ METHODS/ MICROCHEMISTRY/ MYOCARDIAL INFARCT, blood/ NOREPINEPHRINE, pharmacodynamics/ PRECIPITATION/ PROTEIN BINDING/ RATS SALIVA, analysis/ SPECIES SPECIFICITY/ TRITIUM/ ZINC

2994. **Rabito C, Fasciolo JC:** Effect of aldosterone on sodium and potassium content of renal tissue. Acta Physiol Lat Am 22:146-53, 1972
ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism KIDNEY TUBULES, drug effects/ LIVER, metabolism/ MALE/ OXYGEN CONSUMPTION drug effects/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE

2995. **Raboch J, Stárka L:** Plasmatic testosterone in bilateral cryptorchids in adult age. Andrologie 4:107-12, 19
ACID PHOSPHATASE, metabolism/ ADULT/ AGE FACTORS/ *CRYPTORCHISM, blood/ CRYPTORCHISM, surgery/ HUMAN/ MALE/ MIDDLE AGE/ SEMEN, enzymology/ *TESTOSTERONE, blood

2996. **Radev AI:** Vliianie na posledovatelnoto prilozhenie I7-beta-estradiola i progesterona vurkhu ekskretsiiata na natriia i kaliia i tiakhnoto nivo' huhrechnata tukan.
Akush Ginekol (Sofiia) 11:350-6, 1972 **(Bu**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRADIOL, administration &

dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *KIDNEY, analysis/ POTASSIUM, analysis/ *POTASSIUM, urine/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS/ SODIUM, analysis/ *SODIUM, urine

2997. **Raffetto JR, Recker RR:** Mild anemia accompanied by systemic symptoms. Nebr Med J 58:68-9, Mar 73
*ANEMIA, diagnosis/ ANEMIA, etiology/ CRANIOPHARYNGIOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPOPITUITARISM, diagnosis/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, diagnosis

2998. **Raggio JF, Thurmon TF, Anderson EE:** X-linked hereditary spastic paraplegia.
J La State Med Soc 125:4-5, Jan 73
ADULT/ FEMALE/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ *PARALYSIS, SPASTIC, familial & genetic/ PARAPLEGIA, familial & genetic/ PEDIGREE/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic

2999. **Rahwan RG, Borowitz JL, Miya TS:** The role of intracellular calcium in catecholamine secretion from the bovine adrenal medulla.
J Pharmacol Exp Ther 184:106-18, Jan 73
ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ ADRENAL MEDULLA, physiology/ *ADRENAL MEDULLA, secretion/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CALCIUM, physiology/ CALCIUM ISOTOPES/ *CATECHOLAMINES, secretion/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHLORPROMAZINE, pharmacodynamics/ CHROMAFFIN SYSTEM, drug effects/ CHROMAFFIN SYSTEM, physiology/ COLORIMETRY/ DEXTRO AMPHETAMINE, pharmacodynamics/ EPINEPHRINE, analysis/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MITOCHONDRIA, drug effects/ NOREPINEPHRINE, analysis/ PROCAINE, pharmacodynamics/ SUBCELLULAR FRACTIONS, analysis/ SUCROSE

3000. **Rajaraman R, Kamra OP:** Modification of radiation-induced genetic damage in the male germ cells of Drosophila melanogaster with pyrimidine nucleosides and their halogenated analogues: effects on the F 1 generation. Mutat Res 17:395-401, Mar 73
ANIMAL EXPERIMENTS/ BROMODEOXYURIDINE, pharmacodynamics/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES, DOMINANT/ GENES, LETHAL/ MALE/ *MUTAGENS/ *MUTATION/ *RADIATION GENETICS/ SEX CHROMOSOMES/ *SPERMATOZOA/ SPERMATOZOA, drug effects/ SPERMATOZOA, radiation effects

3001. **Rajmann E, Knorr D, Stoeber E, et al:** Bestimmung des Plasmacortisols bei ACTH-behandelten Kindern mit Morbus Still und Rheumatoider Arthritis.
Z Kinderheilkd 114:69-82, 22 Jan 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND HYPOFUNCTION, complications/ ADULT/ ARTHRITIS, JUVENILE RHEUMATOID, blood/ ARTHRITIS, JUVENILE RHEUMATOID, complications/ *ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ CHILD/ CHILD, PRESCHOOL/ *CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE

3002. **Rall TW:** Role of adenosine 3',5'-monophosphate (cyclic AMP) in actions of catecholamines.
Pharmacol Rev 24:399-409, Jun 72 (67 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, physiology/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, physiology/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ EPINEPHRINE, physiology/ GLUCAGON, physiology/ LIVER, physiology/ NERVE TISSUE, physiology/ NERVOUS SYSTEM, physiology/ NEURONS, secretion/ POTASSIUM, metabolism/ PROTEINS, biosynthesis/ PROTEINS, physiology/ RATS/ REVIEW

3003. **Ramalingaswami V:** Endemic goiter in Southeast Asia. New clothes on an old body.
Ann Intern Med 78:277-83, Feb 73 (41 ref.)
ADOLESCENCE/ ADULT/ AFGHANISTAN/ AGED/ ANIMAL EXPERIMENTS/ ASIA, SOUTHEASTERN/ BURMA/ CEYLON/ CHILD/ CHILD, PRESCHOOL/ CRETINISM, etiology/ DEFICIENCY DISEASES, complications/ DIET/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GOATS/ GOITER, ENDEMIC, complications/ GOITER, ENDEMIC, drug therapy/ GOITER, ENDEMIC, etiology/ *GOITER, ENDEMIC, occurrence/ HUMAN/ INDIA/ INFANT/ INFANT, NEWBORN/ IODINE/ IODINE, metabolism/ IODINE, therapeutic use/ IODINE, urine/ MALAYSIA/ MALE/ MIDDLE AGE/ PREGNANCY/ REVIEW/ SEASONS/ SEX FACTORS/ THAILAND/ THYROID GLAND, metabolism

3004. **Ramsey TA, Mendels J, Hamilton C, et al:** The effect of lithium carbonate on self-stimulating behavior in the rat. Life Sci [I] 11:773-9, 15 Aug 72
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS, analysis/ *LITHIUM, pharmacodynamics/ MALE/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, analysis/ RATS/ *SELF STIMULATION, drug effects/ STEREOTAXIC TECHNICS

3005. **Rao BR, Wiest WG, Allen WM:** Progesterone "receptor" in rabbit uterus. I. Characterization and estradiol-17beta augmentation.
Endocrinology 92:1229-40, Apr 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ *CYTOSOL, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GEL FILTRATION/ METHODS/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ MUSCLES, metabolism/ ORGAN WEIGHT/ OVARY, physiology/ PRECIPITATION/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, DRUG/ SUSPENSIONS/ TIME FACTORS/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism

3006. **Rao GS, Schumacher R, Rao ML, et al:** Steroidglucuronyltransferases. IV. Localization of the oestradiol-17 -glucuronyltransferase in the outer membrane of the mitochondria of pig intestine.
Hoppe Seylers Z Physiol Chem 353:1789-97, Nov 72
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ DIGITONIN/ ESTRADIOL/ ESTROGENS/ *GLUCOSEPHOSPHATASE, analysis/ IN VITRO/ INTESTINE, SMALL, enzymology/ MALATE DEHYDROGENASE, analysis/ *MEMBRANES, enzymology/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, enzymology/ MONOAMINE OXIDASE, analysis/ SWINE

3007. **Rao M, Shankar PS:** Kocher-Debre-Semelaigne syndrome. A case report of a twin sister.
J Assoc Physicians India 20:407-9, May 72
*CRETINISM, familial & genetic/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ HYPERTROPHY, familial & genetic/ INFANT/ *MUSCULAR DISEASES, familial & genetic/ SYNDROME

3008. **Rao SS, Phadnis VK, Gunaga KP, et al:** Immunological studies with rat prostate: antigenic localization and effect of hormones. Biol Reprod 8:29-37, Feb 73
AGE FACTORS/ ALBUMINS, metabolism/

ANIMAL EXPERIMENTS/ *ANTIGENS/ CASTRATION/ CELL NUCLEUS, immunology/ ELECTROPHORESIS/ *ESTRADIOL, pharmacodynamics/ GEL DIFFUSION TESTS/ GLOBULINS, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IMMUNOELECTROPHORESIS/ MALE/ MICROSOMES, immunology/ MITOCHONDRIA, immunology/ PROSTATE, cytology/ PROSTATE, drug effects/ PROSTATE, growth & development/ *PROSTATE, immunology/ PROSTATE, metabolism/ PROTEINS, metabolism/ RABBITS, immunology/ RATS/ *TESTOSTERONE, pharmacodynamics

3009. **Rapoport B, Block MB, Hoffer PB, et al:** Depletion of thyroid iodine during subacute thyroiditis. J Clin Endocrinol Metab 36:610-1, Mar 73
AMERICIUM/ FLUORESCENCE/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID GLAND, metabolism/ *THYROIDITIS, metabolism

3010. **Rapp GW:** Some systemic effects of malignant tumors. I. Co-enzyme A levels. Cancer 31:357-60, Feb 73
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARCINOGENS/ CARCINOMA 256. WALKER, enzymology/ CARCINOSARCOMA, enzymology/ *COENZYME A, analysis/ COLONIC NEOPLASMS, enzymology/ HEPATOMA, enzymology/ HUMAN/ KIDNEY, enzymology/ LEUKEMIA, EXPERIMENTAL, enzymology/ LIVER, enzymology/ LIVER NEOPLASMS, enzymology/ MAMMAE, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MICE/ *NEOPLASMS, enzymology/ *NEOPLASMS, EXPERIMENTAL, enzymology/ RATS/ SARCOMA, JENSEN, enzymology/ SKIN NEOPLASMS, enzymology/ SPLEEN, enzymology

3011. **Rapp JP, Dahl LK:** Suppression of aldosterone in salt susceptible and salt resistant rats. Endocrinology 92:1286-9, Apr 73
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ *ALDOSTERONE, blood/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ DESOXYCORTICOSTERONE, blood/ DIET/ FEMALE/ ORGAN WEIGHT/ RATS/ REGIONAL BLOOD FLOW/ *SODIUM CHLORIDE, pharmacodynamics

3012. **Raska K Jr:** Cycl AMP in Gl-arrested BHK21 cells infected with adenovirus type 12. Biochem Biophys Res Commun 50:35-41, 4 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOVIRUS/ ADENYL CYCLASE, analysis/ CATTLE/ CELL LINE/ CHROMATOGRAPHY/ CHROMOSOMES/ DNA, biosynthesis/ FLUORESCENT ANTIBODY TECHNIC/ GENES/ HAMSTERS/ *KIDNEY, cytology/ KIDNEY, enzymology/ PHOSPHODIESTERASES, analysis/ PROTEINS, analysis/ TIME FACTORS/ TRITIUM

3013. **Rasmussen H, Goodman DB, Tenenhouse A:** The role of cyclic AMP and calcium in cell activation. CRC Crit Rev Biochem 1:95-148, Feb 72 (312 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, secretion/ ADENYL CYCLASE/ ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, metabolism/ CALCIUM, metabolism/ *CALCIUM, physiology/ *CELL DIVISION/ CELLS, metabolism/ GLUCAGON, metabolism/ GLUCONEOGENESIS/ GLYCOGEN, biosynthesis/ HORMONES, physiology/ INSULIN, secretion/ KIDNEY, metabolism/ LIVER, metabolism/ MITOSIS/ MUSCLE, SMOOTH, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ MYXOMYCETES, drug effects/ PANCREAS, metabolism/ PAROTID GLAND, enzymology/ PHOSPHOTRANSFERASES, physiology/ PROTEINS/ REVIEW

3014. **Rasmusson GH, Chen A, Reynolds GF, et al:** Antiandrogens. 2',3' -Tetrahydrofuran-2'spiro-17-(1,2 -methylene-4-androsten-3-ones). J Med Chem 15:1165-8, Nov 72
*ANDROGENS, antagonists & inhibitors/ *ANDROSTENES, chem synthesis/ ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CASTRATION/ *FURANS, chem synthesis/ FURANS, pharmacodynamics/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, pharmacodynamics/ MALE/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ RATS, INBRED STRAINS/ SEMINAL VESICLES, drug effects/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SPIRO COMPOUNDS, chem synthesis/ SPIRO COMPOUNDS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

3015. **Rassner G:** Enzyme der Epidermis. Spezielle Aspekte. Arch Dermatol Forsch 244:48-52, 1972 (Ger)
ADENYL CYCLASE, metabolism/ ALCOHOL OXIDOREDUCTASES, metabolism/ CEREBRAL CORTEX, enzymology/ CREATINE KINASE, metabolism/ DNA REPAIR/ *ENZYMES, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUTATHIONE REDUCTASE, metabolism/ GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ METABOLISM, INBORN ERRORS/ PHOSPHOGLYCERATE KINASE, metabolism/ PHOSPHOPYRUVATE HYDRATASE, metabolism/ PHOSPHOTRANSFERASES, metabolism/ *PSORIASIS, enzymology/ PYRUVATE KINASE, metabolism/ SACCHAROMYCES, enzymology/ *SKIN, enzymology/ *XERODERMA PIGMENTOSUM, enzymology

3016. **Rastogi GK:** Muscle dysfunction in thyroid diseases. J Assoc Physicians India 20:382-4, May 72
HUMAN/ HYPERTHYROIDISM, complications/ HYPERTROPHY, etiology/ HYPOTHYROIDISM, complications/ *MUSCULAR DISEASES, etiology/ MYASTHENIA GRAVIS, complications/ *THYROID DISEASES, complications

3017. **Rastogi GK, Ghani F, Rastogi L, et al:** Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis. J Assoc Physicians India 20:471-6, Jul 72
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ INDIA/ IODINE, metabolism/ *IODINE, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ THYROID GLAND FUNCTION TESTS

3018. **Rastogi RC, Chowdhury MN, Engel CR:** Steroids and related products. XXXVII. 11-Aza steroids. II. The synthesis of 11-aza 9 -steroids. I. Steroids 21:147-68, Feb 73
ACETATES/ AZA COMPOUNDS, chem synthesis/ AZIDES, chem synthesis/ CATALYSIS/ CYCLIZATION/ DIMETHYLFORMAMIDE/ HYDROLYSIS/ KETO ACIDS, chem synthesis/ METHODS/ OXIDES/ PLATINUM/ PREGNENES, chem synthesis/ SPIROSTANS, chem synthesis/ *STEROIDS, chem synthesis/ TOSYL COMPOUNDS, chem synthesis

3019. **Rastogi RK, Chieffi G:** Nucleic acid and protein content in the pars distalis of the pituitary and hypothalamus of the frog, Rana esculenta: effects of gonadectomy and captivity. J Endocrinol 55:471-7, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ CEREBRAL CORTEX, analysis/ *DNA,

analysis/ FEMALE/ FROGS/ GONADS, physiology/ *HYPOTHALAMUS, analysis/ MALE/ *NERVE TISSUE PROTEINS, analysis/ ORGAN WEIGHT/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, anatomy & histology/ RANA ESCULENTA/ *RNA, analysis/ SEX FACTORS/ TIME FACTORS

3020. **Ratliff CR, Gilliland PF, Hall FF:** Serum propylthiouracil: determination by a direct colorimetric procedure. Clin Chem 18:1373-5, Nov 72
ADMINISTRATION, ORAL/ COLORIMETRY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ INDICATORS AND REAGENTS/ METHODS/ PROPYLTHIOURACIL, administration & dosage/ *PROPYLTHIOURACIL, blood/ PROPYLTHIOURACIL, therapeutic use/ QUINONES/ SPECTROPHOTOMETRY

3021. **Ratzkowski B:** [Adhesions of the labia minora] Harefuah 83:236-7, 15 Sep 72 **(Heb)**
ADHESIONS, occurrence/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ GYNECOLOGIC DISEASES, drug therapy/ *GYNECOLOGIC DISEASES, occurrence/ HUMAN/ INFANT/ ISRAEL/ *VULVA

3022. **Rauskolb R, Eimer H:** Luteinzyste des Ovars durch Clomipbenbehandlung bei Stein-Leventhal-Syndrom. Geburtshilfe Frauenheilkd 32:900-2, Oct 72 **(Ger)**
ADULT/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, adverse effects/ CLOMIPHENE, therapeutic use/ *CORPUS LUTEUM CYST, chemically induced/ CORPUS LUTEUM CYST, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY/ *STEIN-LEVENTHAL SYNDROME, drug therapy/ STERILITY, FEMALE, drug therapy

3023. **Răuţa I:** Actualităţu în tratamentul leucemiilor acute infantile.
Rev Med Chir Soc Med Nat Iasi 76:871-82, Oct-Dec 72 **(Rum)**
ADJUVANTS, IMMUNOLOGIC, therapeutic use/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTILYMPHOCYTE SERUM, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ASPARAGINASE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ INFANT/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy

3024. **Ravaglia C:** Obesidade metabólica.
Arq Bras Cardiol 25:415-9, Oct 72 **(Por)**
*ADIPOSE TISSUE, metabolism/ *HORMONES, physiology/ HUMAN/ LIPID MOBILIZATION/ *LIPIDS, metabolism/ *OBESITY, metabolism

3025. **Rave O, Wenning N, Lonauer G, et al:** Radioimmunologischer Nachweis von Angiotensin I und II zur Funktions diagnostik des Renin-Angiotensin systems bei verschiedenen Formen der Hypertonie.
Med Welt 23:1801-2, 25 Nov 72 **(Ger)**
*ANGIOTENSIN, blood/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, enzymology/ RADIOIMMUNOASSAY/ *RENIN, blood

3026. **Ravel R, Donnellan AM:** Comparison of radioisotopic T-3 and T-4 kits. Am J Med Technol 39:9-11, Jan 73
IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *RADIOISOTOPES/ *THYROXINE, standards/ *TRIIODOTHYRONINE, standards

3027. **Ravona H, Snapir N, Perek M:** The effect on the gonadal axis in cockerels of electrolytic lesions in various regions of the basal hypothalamus.
Gen Comp Endocrinol 20:112-24, Feb 73
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ HEMATOCRIT/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, physiology/ MALE/ OBESITY, etiology/ OXIDOREDUCTASES, metabolism/ SEMEN/ SPERMATOGENESIS/ TESTIS, anatomy & histology/ TESTIS, enzymology/ *TESTIS, physiology

3028. **Rawitch AB, Brown DM:** The structure of human thyroglobulin: sedimentation equilibrium in 6M guanidine hydrochloride.
Biochim Biophys Acta 295:225-32, 25 Jan 73
ALKYLATION/ CHEMISTRY/ GOITER, metabolism/ *GUANIDINES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROSTATIC PRESSURE/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ PEPTIDES/ *THYROGLOBULIN/ THYROGLOBULIN, metabolism/ ULTRACENTRIFUGATION

3029. **Rawlings NC, Ward WR:** Endocrine changes in the ewe and her fetus correlated with uterine activity during parturition. J Reprod Fertil 31:503-4, Dec 72
ANIMAL EXPERIMENTS/ *ESTROGENS, metabolism/ FEMALE/ FETUS, metabolism/ *LABOR/ PREGNANCY/ *PROGESTERONE, metabolism/ SHEEP/ *UTERUS, physiology

3030. **Ray GR, Cassady JR, Bagshaw MA:** Definitive radiation therapy of carcinoma of the prostate. A report on 15 years of experience. Radiology 106:407-18, Feb 73
ACID PHOSPHATASE, blood/ ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, mortality/ *ADENOCARCINOMA, radiotherapy/ ADULT/ AGED/ CARCINOMA, EPIDERMOID, drug therapy/ CARCINOMA, EPIDERMOID, mortality/ *CARCINOMA, EPIDERMOID, radiotherapy/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, mortality/ *PROSTATIC NEOPLASMS, radiotherapy/ RADIOTHERAPY, HIGH ENERGY/ RHABDOMYOSARCOMA, drug therapy/ RHABDOMYOSARCOMA, mortality/ *RHABDOMYOSARCOMA, radiotherapy

3031. **Raynaud A, Pieau C:** Effets de diverses températures d'incubation sur le développement somatique et sexuel des embryons de lézard vert (Lacerta viridis laur.
C R Acad Sci [D] (Paris) 275:2259-62, 13 Nov 72 **(Fre)**
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ HERMAPHRODITISM/ INCUBATORS/ *LIZARDS, embryology/ MULLERIAN DUCTS, embryology/ *OVARY, embryology/ *TEMPERATURE/ *TESTIS, embryology/ TIME FACTORS/ *WOLFFIAN DUCT, embryology

3032. **Raynaud JP:** Influence of rat estradiol binding plasma protein (EBP) on uterotrophic activity.
Steroids 21:249-58, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BLOOD PROTEINS, metabolism/ DIALYSIS/ *ESTRADIOL, blood/ FEMALE/ FETUS/ GERM-FREE LIFE/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRITIUM/ *UTERUS, metabolism

3033. **Raz A:** Interaction of prostaglandins with blood plasma proteins. I. Binding of prostaglandin E 2 to human plasma proteins and its effect on the physiological activity of prostaglandin E 2 in vitro and in vivo.
Biochim Biophys Acta 280:602-13, 8 Dec 72
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ BLOOD PRESSURE, drug effects/ BLOOD PROTEINS, analysis/ *BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COLON, drug effects/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GERBILS/ HUMAN/ KINETICS/ LIPOPROTEINS, analysis/ PRECIPITATION/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ RATS/ SERUM ALBUMIN, metabolism/ TRICHLOROACETIC ACID/ TRITIUM

3034. **Razzano CD, Nelson C, Eversman J:** Growtb bormone levels in slipped capital femoral epipbysis.
J Bone Joint Surg [Am] 54:1224-6, Sep 72
ADOLESCENCE/ CHILD/ EPIPHYSES, SLIPPED, blood/ *EPIPHYSES, SLIPPED, etiology/ ESTROGENS, urine/ FASTING/ FEMALE/ *FEMUR/ GLUCOSE, diagnostic use/ HUMAN/ IMMUNOASSAY/ 17-KETOSTEROIDS, urine/ MALE/ *SOMATOTROPIN, blood/ TESTOSTERONE, blood

3035. **Read VH, McCaa CS, Bower JD, et al:** Effect of bemodialysis on the metabolic clearance rate, plasma concentration and blood production rate of aldosterone in anephric man.
J Clin Endocrinol Metab 36:773-8, Apr 73
*ALDOSTERONE, blood/ *HEMODIALYSIS/ HUMAN/ *KIDNEY DISEASES, blood/ METABOLIC CLEARANCE RATE/ NEPHRECTOMY/ POTASSIUM, blood/ SODIUM, blood/ TIME FACTORS/ TRITIUM

3036. **Reasons RH, Hikida RS:** Biocbemistry of adenosine triphosphatase activity of avian fast and slow muscle.
Exp Neurol 38:27-32, Jan 73
*ACTOMYOSIN, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CHICKENS, metabolism/ MUSCLE CONTRACTION/ MUSCLE TONUS/ *MUSCLES, enzymology/ MYOFIBRILS, enzymology

3037. **Rebhun LI, White D, Sander G, et al:** Cleavage inhibition in marine eggs by puromycin and 6-dimethylaminopurine.
Exp Cell Res 77:312-8, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CELL DIVISION, drug effects/ FERTILIZATION/ *OVUM, drug effects/ OVUM, metabolism/ PROTEINS, biosynthesis/ *PURINES, pharmacodynamics/ *PUROMYCIN, pharmacodynamics/ SEA URCHINS/ STIMULATION, CHEMICAL/ TIME FACTORS

3038. **Rebière A, Legrand J:** Données quantitatives sur la synaptogenèse dans le cervelet du rat normal et rendu hypothyroïdien par le propylthiouracile.
C R Acad Sci [D] (Paris) 274:3581-4, 26 Jun 72 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ CEREBELLAR CORTEX, drug effects/ *CEREBELLAR CORTEX, growth & development/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, physiopathology/ METHODS/ PROPYLTHIOURACIL/ RATS/ SYNAPSES, drug effects/ *SYNAPSES, growth & development

3039. **Reddy PR, Rao JM:** Reversible antifertility action of testosterone propionate in human males.
Contraception 5:295-301, Apr 72
ADULT/ CELL COUNT/ CELL MOVEMENT, drug effects/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LIBIDO/ MALE/ PROPIONATES/ SEMEN/ SPECIAL LIST REPRODUCTION/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3040. **Rees RJ:** Drugs for leprosy. Trop Doct 3:92-5, Apr 73
ADULT/ ANIMAL EXPERIMENTS/ BIOPHARMACEUTICS/ DAPSONE, administration & dosage/ DAPSONE, adverse effects/ *DAPSONE, therapeutic use/ HUMAN/ *LEPROSY, drug therapy/ MICE/ PHENAZINES, administration & dosage/ PHENAZINES, adverse effects/ *PHENAZINES, therapeutic use/ RIFAMPIN, administration & dosage/ RIFAMPIN, adverse effects/ *RIFAMPIN, therapeutic use/ THIOUREA, administration & dosage/ THIOUREA, adverse effects/ *THIOUREA, therapeutic use

3041. **Refsdal AO:** Plasma progesterone in gilts during the prepuberal period and the first oestrous cycle.
Acta Vet Scand 13:278-80, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ OVULATION/ *PROGESTERONE, blood/ *SWINE

3042. **Rehert GM:** Genetic etiology of primary ammenorrhea.
Obstet Gynecol 41:479-80, Mar 73
AMENORRHEA, drug therapy/ *AMENORRHEA, familial & genetic/ FEMALE/ GONADOTROPINS, therapeutic use/ HUMAN

3043. **Rehoř J:** Zur Problematik der Kurortdiätbehandlung bei der Astbenie.
Z Ernaehrungswiss [Suppl] 13:94-8, 1972 (Ger)
ASTHENIA, etiology/ *ASTHENIA, therapy/ BALNEOLOGY/ BODY WEIGHT/ CLIMATE/ DAIRY PRODUCTS/ *DIET THERAPY/ ELECTROTHERAPY/ EMOTIONS/ ENGLISH ABSTRACT/ EXERCISE THERAPY/ HEALTH RESORTS/ HUMAN/ HYDROTHERAPY/ 17-KETOSTEROIDS, urine/ PHYSICAL THERAPY/ SLEEP/ ULTRAVIOLET THERAPY

3044. **Reichert LE Jr, Lawson GM Jr:** Molecular weigbt relationships among tbe subunits of buman glycoprotein bormones.
Endocrinology 92:1034-42, Apr 73
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH/ *GONADOTROPINS, CHORIONIC/ *LH/ MERCAPTOETHANOL/ MOLECULAR WEIGHT/ PROPIONATES/ *THYROTROPIN

3045. **Reichlin S, Martin JB, Mitnick M, et al:** The hypothalamus in pituitary-thyroid regulation.
Recent Prog Horm Res 28:229-86, 1972
BODY TEMPERATURE REGULATION/ COLD/ ELECTRIC STIMULATION/ FEEDBACK/ HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, secretion/ LIGASES, metabolism/ NEURONS, physiology/ *PITUITARY GLAND, physiology/ REVIEW/ *THYROID GLAND, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR/ THYROTROPIN RELEASING FACTOR, biosynthesis/ THYROTROPIN RELEASING FACTOR, secretion

3046. **Reichlin S, Mitnick M:** Enzymatic synthesis of growth hormone releasing factor (GH-RF) by rat incubates and by extracts of rat and porcine hypothalamic tissue. Proc Soc Exp Biol Med 142:497-501, Feb 73
ADENOSINE TRIPHOSPHATE, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MAGNESIUM, metabolism/ MALE/ PITUITARY HORMONE RELEASING FACTORS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN/ SOMATOTROPIN, blood/ SWINE/ *TISSUE EXTRACTS, metabolism

3047. **Reid IM:** Corpora amylacea of the bovine mammary gland. Histochemical and electron microscopic evidence for their amyloid nature.
J Comp Pathol 82:409-13, Oct 72
*AMYLOID, analysis/ ANIMAL EXPERIMENTS/ BIREFRINGENCE/ *CATTLE, anatomy & histology/ *CELLULAR INCLUSIONS, analysis/ EPITHELIAL CELLS/ FEMALE/ HISTOCYTOCHEMISTRY/ LACTATION/ MICROSCOPY, ELECTRON/ STAINS AND STAINING/ UDDER, analysis/ *UDDER, cytology

3048. **Reid IM:** Nuclear bodies in bovine mammary gland in different physiological states.
Exp Cell Res 78:25-30, 30 Mar 73
ANIMAL EXPERIMENTS/ CATTLE/ *CELL NUCLEUS/ EPITHELIAL CELLS/ FEMALE/ LACTATION/ *MAMMAE, cytology/ MICROSCOPY, ELECTRON

3049. **Reidbord HE, Fisher ER:** Ultrastructural features of subacute granulomatous thyroiditis and Hasbimoto's disease. Am J Clin Pathol 59:327-37, Mar 73
ADULT/ ENDOPLASMIC RETICULUM/ FEMALE/ *GOITER, EXOPHTHALMIC, patbology/ HUMAN/ LYMPHOCYTES/ MACROPHAGES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ THYROID GLAND, pathology/ *THYROIDITIS, patbology

3050. **Reimer G, Drahovsky D, Wacker A:** Untersuchung am RNA-Polymerase-DNA-Komplex von Pseudomonas testosteroni.
Hoppe Seylers Z Physiol Cbem 353:1560, Oct 72 (Ger)
ADENOSINE MONOPHOSPHATE/ BINDING SITES/ *DNA, BACTERIAL/ OSMOLAR CONCENTRATION/ *PSEUDOMONAS, enzymology/ *RNA POLYMERASE, metabolism/ TEMPERATURE/ TESTOSTERONE, pharmacodynamics/ TRITIUM

3051. **Reinhold JG, Nasr K, Lahimgarzadeh A, et al:** Effects of purified phytate and pbytate-ricb bread upon metabolism of zinc, calcium, pbospborus, and nitrogen in man. Lancet 1:283-8, 10 Feb 73
ADULT/ *BREAD/ *CALCIUM, metabolism/ DEFICIENCY DISEASES, cbemically induced/ DIET/ HUMAN/ INOSITOL, administration & dosage/ INOSITOL, adverse effects/ *INOSITOL, pharmacodynamics/ IRAN/ MALE/ *NITROGEN, metabolism/ NUTRITION SURVEYS/ PHOSPHATES, pharmacodynamics/ *PHOSPHORUS, metabolism/ SODIUM, pharmacodynamics/ TIME FACTORS/ *ZINC, metabolism

3052. **Reinold E, Georgiades E:** Perinatale Hirnschäden aus der Sicbt des Geburtsbelfers.
Wien Med Wochenschr 122:743-7, 9 Dec 72 (33 ref.) (Ger)
ANOXIA, complications/ APGAR SCORE/ BIRTH INJURIES/ BIRTH WEIGHT/ *BRAIN DAMAGE, CHRONIC, congenital/ BRAIN DAMAGE, CHRONIC, etiology/ BRAIN DAMAGE, CHRONIC, familial & genetic/ DELIVERY/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY IN DIABETES/ REVIEW/ RH FACTORS

3053. **Reiter EO, Braunstein GD, Hamwood SM, et al:** Suppressed follicle-stimulating bormone (FSH) in women witb gestational trophoblastic neoplasms.
J Clin Endocrinol Metab 36:697-701, Apr 73
*CHORIOCARCINOMA, blood/ CHORIOCARCINOMA, urine/ ESTRADIOL, blood/ FEMALE/ *FSH, blood/ FSH, urine/ GONADOTROPINS, urine/ GONADOTROPINS, CHORIONIC, blood/ HUMAN

3054. **Reiter EO, Kulin HE, Hamwood SM:** Preparation of urine containing small amounts of FSH and LH for radioimmunoassay: comparison of the kaolin-acetone and acetone extraction techniques.
J Clin Endocrinol Metab 36:661-5, Apr 73
ACETONE/ ADULT/ CENTRIFUGATION/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FILTRATION/ *FSH, urine/ HUMAN/ KAOLIN/ *LH, urine/ MALE/ METHODS/ PUBERTY/ RADIOIMMUNOASSAY

3055. **Reiter RJ:** Compensatory growth of tbe ovaries, adrenal glands and kidneys in blinded, anosmic rats.
Experientia 28:1492-3, 15 Dec 72
ADAPTATION, PHYSIOLOGICAL/ *ADRENAL GLANDS, growth & development/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANOSMIA, physiopathology/ *BLINDNESS, physiopatbology/ CASTRATION/ CORTICOTROPIN, secretion/ FEMALE/ HYPERTROPHY/ *KIDNEY, growth & development/ MALE/ NEPHRECTOMY/ ORGAN WEIGHT/ *OVARY, growtb & development/ PINEAL BODY, physiology/ PITUITARY GLAND, physiopatbology/ PITUITARY GLAND, secretion/ PITUITARY HORMONES, physiology/ RATS

3056. **Reiter RJ, Morgan WW:** Attempts to characterize the convulsive response of parathyroidectomized rats to pineal gland removal. Physiol Behav 9:203-8, Aug 72
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CALCIUM, tberapeutic use/ *CONVULSIONS/ CONVULSIONS, prevention & control/ DENERVATION/ DOPAMINE, analysis/ GANGLIA, AUTONOMIC, physiology/ LACTATES, tberapeutic use/ NOREPINEPHRINE, analysis/ OLFACTORY BULB, physiology/ *PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, surgery/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ RATS/ SEROTONIN, analysis/ SYMPATHECTOMY/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

3057. **Reiter RJ, Sorrentino S Jr, Hoffman RA:** Muscular spasms and death in tbyroparatbyroidectomized rats subjected to pinealectomy.
Life Sci [I] 11:123-33, 1 Feb 72
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CONVULSIONS, blood/ CONVULSIONS, etiology/ CONVULSIONS, physiopathology/ MAGNESIUM, blood/ MALE/ MUSCLES, physiology/ ORGAN WEIGHT/ *PARATHYROID GLANDS, physiology/ *PINEAL BODY, physiology/ POTASSIUM, blood/ RATS/ SODIUM, blood/ SPASM, blood/ *SPASM, etiology/ SPASM, physiopatbology/ THYROIDECTOMY

3058. **Reith A, Brdiczka D, Nolte J, et al:** The inner membrane of mitochondria under influence of triiodotbyronine and riboflavin deficiency in rat beart muscle and liver: a quantitative electronmicroscopical and biocbemical study. Exp Cell Res 77:1-14, 15 Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CYTOCHROMES, analysis/ DEFICIENCY DISEASES, enzymology/ *DEFICIENCY DISEASES, metabolism/ ENZYME REPRESSION/ FLAVOPROTEINS, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ LIVER, analysis/ LIVER, enzymology/ MALE/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, MUSCLE, drug effects/ MYOCARDIUM, analysis/ *MYOCARDIUM, drug effects/ MYOCARDIUM, enzymology/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ RATS/ STIMULATION, CHEMICAL/ SUCCINATE DEHYDROGENASE, analysis/ *TRIIODOTHYRONINE, pharmacodynamics

3059. **Reikin R, Adachi M:** Effects of sodium deprivation on pituitary and plasma prolactin, growth bormone, and thyrotropin levels in tbe rat.
Neuroendocrinology 11:240-7, 1973
ADRENAL GLANDS, metabolism/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORTICOSTERONE, blood/ *DEFICIENCY DISEASES, metabolism/ GLUCOCORTICOIDS, secretion/ HEMATOCRIT/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ PINEAL BODY, metabolism/ *PITUITARY GLAND, metabolism/ *PROLACTIN/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ *SODIUM/ SODIUM, blood/ *SOMATOTROPIN/ SOMATOTROPIN, blood/ *THYROTROPIN/ THYROTROPIN, blood

3060. **Remington JA, Klevecz RR:** Hormone-treated CHO cells exit the cell cycle in the G2 phase.
Biocbem Biophys Res Commun 50:140-6, 4 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AUTORADIOGRAPHY/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELLS, drug effects/ CELLS, CULTURED/ DNA, analysis/ DNA, biosynthesis/ FEMALE/ HAMSTERS/ KINETICS/ MITOSIS, drug effects/ *OVARY, cytology/ OVARY, drug effects/ OVARY, growtb & development/ *TESTOSTERONE, pharmacodynamics/ TRITIUM

3061. **Renaud R, Vincendon G, Koehl C, et al:** Les

malnutrition foetales. Premiers résultats de perfusions et d'injections d'acides aminés intra-amniotiques.
J Gynecol Obstet Biol Reprod (Paris) 1:596-7, Sep 72 (Fre)
*AMINO ACIDS, administration & dosage/ *AMNIOTIC FLUID/ DEFICIENCY DISEASES, drug therapy/ ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, drug therapy/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS/ MATERNAL-FETAL EXCHANGE/ PREGNANCY

3062. **Renauld A, Foglia VG:** Studies on glucose uptake by rat adipose tissue as modified by hypophysectomy and-or insulin addition to the incubating media.
Acta Physiol Lat Am 22:154-60, 1972
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CULTURE MEDIA/ EPIDIDYMIS, metabolism/ *GLUCOSE, metabolism/ HYPOPHYSECTOMY/ IN VITRO/ *INSULIN, pharmacodynamics/ *PITUITARY GLAND, physiology/ RATS/ SPECTROPHOTOMETRY

3063. **Renfree MB:** Enzymes of intermediary metabolism in the fetal fluids of the tammar wallaby, Macropus eugenii. J Reprod Fertil 32:330-1, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ ELECTROPHORESIS/ FEMALE/ ISOENZYMES, analysis/ LACTATE DEHYDROGENASE, analysis/ MALATE DEHYDROGENASE, analysis/ *MARSUPIALIA, metabolism/ *PLACENTA, enzymology/ *VITELLINE MEMBRANE, enzymology

3064. **Renoux M, Montis G de:** De la combinaison antigène-anticorps à la réaction des cellules effectrices. Transmission de l'information.
Nouv Presse Med 2:281-2, 3 Feb 73 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ANTIGEN-ANTIBODY REACTIONS/ CELL MEMBRANE, immunology/ IMMUNITY, CELLULAR/ IMMUNOGLOBULINS, physiology/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ *MAST CELLS, immunology/ PLANT AGGLUTININS, pharmacodynamics

3065. **Renoux M, Montis G de, Zara C:** La dégranulation des mastocytes de rat par la phytohémagglutinine.
C R Soc Biol (Paris) 166:819-23, 1972 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANAPHYLAXIS, etiology/ ANIMAL EXPERIMENTS/ *CYTOPLASMIC GRANULES, drug effects/ MALE/ *MAST CELLS, drug effects/ PERITONEAL CAVITY/ PLANT AGGLUTININS, antagonists & inhibitors/ *PLANT AGGLUTININS, pharmacodynamics/ RATS

3066. **Reolon M, Coutinho LM, Teixeira JL, et al:** Compressáo medular por metástase de tumor do mediastino.
Arq Neuropsiquiatr 30:348-52, Dec 72 (Por)
ADULT/ AUTOPSY/ *DISGERMINOMA, complications/ DISGERMINOMA, pathology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS/ MEDIASTINAL NEOPLASMS, pathology/ NEOPLASM METASTASIS/ *SPINAL CORD COMPRESSION, etiology/ SPINAL CORD COMPRESSION, pathology/ *SPINAL NEOPLASMS, complications/ SPINAL NEOPLASMS, pathology/ SPINE, pathology

3067. **Restall BJ, Hearnshaw HR, Gleeson AR, et al:** Observations on the luteolytic action of prostaglandin F 2 in the ewe. J Reprod Fertil 32:325-6, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ GUANETHIDINE, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ PROGESTERONE, blood/ *PROSTAGLANDINS, pharmacodynamics/ *SHEEP, physiology

3068. **Rethoré MO, Lejeune J, Carpentier S, et al:** Trisomie pour la partie distale du bras court du chromosome 3 chez trois germains. Premier exemple d'insertion chromosomique: INS (7;3) (q 31; p 21 p 26.
Ann Genet (Paris) 15:159-65, Sep 72 (Fre)
*ABNORMALITIES, MULTIPLE/ AUTOPSY/ CHILD, PRESCHOOL/ *CHROMOSOME ABNORMALITIES/ *CHROMOSOMES, HUMAN, 1-3/ CLEFT PALATE/ CRANIOFACIAL DYSOSTOSIS/ DERMATOGLYPHICS/ FEMALE/ HEART DEFECTS, CONGENITAL/ HUMAN/ INFANT, NEWBORN/ MACROSTOMIA/ MALE/ MENTAL RETARDATION/ SEX DIFFERENTIATION DISORDERS/ *TRISOMY

3069. **Reuter SR, Talner LB, Atkin T:** The importance of subtraction in the angiographic evaluation of extraadrenal pheochromocytomas.
Am J Roentgenol Radium Ther Nucl Med 117:128-31, Jan 73
ADULT/ *AORTOGRAPHY/ *CELIAC PLEXUS/ FEMALE/ *GANGLIA, AUTONOMIC/ HUMAN/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, diagnosis/ *SUBTRACTION TECHNIC

3070. **Reutter W, Reynolds R:** Inhibition of induction of tyrosine aminotransferase following administration of D-galactosamine.
Hoppe Seylers Z Physiol Chem 353:1561, Oct 72
ANIMAL EXPERIMENTS/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ GALACTOSAMINE, administration & dosage/ GALACTOSAMINE, metabolism/ *GALACTOSAMINE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LIVER, enzymology/ MALE/ RATS/ *TYROSINE AMINOTRANSFERASE/ URACIL NUCLEOTIDES

3071. **Rey-Plas JM:** Gelastic epilepsy (laughing seizures).
Schweiz Arch Neurol Neurochir Psychiatr 111:29-35, 1972
ANTICONVULSANTS, therapeutic use/ BENZAZEPINES, therapeutic use/ CHILD/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, complications/ EPILEPSY, diagnosis/ EPILEPSY, drug therapy/ EPILEPSY, physiopathology/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiopathology/ KETONES, therapeutic use/ *LAUGHTER/ LIMBIC SYSTEM, physiopathology/ NITRO COMPOUNDS, therapeutic use/ REMISSION

3072. **Reynolds CL, Galvin GM:** The availability of patients for teaching purposes in the Perth metropolitan area March to May, 1971. Med J Aust 2:891-5, 14 Oct 72
AGE FACTORS/ AGED/ AIRWAY OBSTRUCTION, occurrence/ ANUS DISEASES, surgery/ APPENDECTOMY/ BREAST DISEASES, surgery/ CEREBROVASCULAR DISORDERS, occurrence/ CHOLECYSTECTOMY/ CHOLECYSTITIS, surgery/ *EDUCATION, MEDICAL, UNDERGRADUATE/ EPILEPSY, occurrence/ GASTROENTERITIS, occurrence/ *HOSPITALIZATION/ *HOSPITALS, TEACHING/ HUMAN/ INGUINAL HERNIA, surgery/ KIDNEY CALCULI, surgery/ LUNG NEOPLASMS, occurrence/ PEPTIC ULCER, occurrence/ PNEUMONIA, occurrence/ PROSTATIC DISEASES, surgery/ RECTAL NEOPLASMS, surgery/ TESTICULAR DISEASES, surgery

3073. **Reynolds JW, Mirkin BL:** Urinary steroid levels in newborn infants with intrauterine growth retardation. J Clin Endocrinol Metab 36:576-81, Mar 73
CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, urine/ GLUCURONATES, urine/ *GROWTH DISORDERS, urine/ HUMAN/ *HYDROCORTISONE, urine/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, urine/ METHODS/ *PREGNENOLONE, urine/ SULFATES, urine/ TRITIUM

3074. **Rhamy RK, Buchanan RD, Spalding MJ:** Intraductal carcinoma of the prostate gland.
Trans Am Assoc Genitourin Surg 64:61-8, 1972
AGED/ ANEMIA, etiology/ *CARCINOMA,

TRANSITIONAL CELL/ CARCINOMA, TRANSITIONAL CELL, complications/ CARCINOMA, TRANSITIONAL CELL, drug therapy/ CARCINOMA, TRANSITIONAL CELL, mortality/ CARCINOMA, TRANSITIONAL CELL, pathology/ CARCINOMA, TRANSITIONAL CELL, radiotherapy/ CARCINOMA, TRANSITIONAL CELL, surgery/ ESTROGENS, therapeutic use/ HEMATURIA, etiology/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ PROSTATECTOMY/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, complications/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, surgery/ PROSTATITIS, etiology

3075. **Rhoads RE, McKnight GS, Schimke RT:** Quantitative measurement of ovalhumin messenger rihonucleic acid activity. Localization in polysomes, induction by estrogen, and effect of actinomycin D.
J Biol Chem 248:2031-9, 25 Mar 73
ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CHICKENS/ *DACTINOMYCIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HEPARIN, pharmacodynamics/ KINETICS/ *OVALBUMIN, biosynthesis/ OVALBUMIN, metabolism/ OVIDUCTS, cytology/ OVIDUCTS, drug effects/ OVIDUCTS, metabolism/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ RABBITS/ RABBITS, immunology/ *RETICULOCYTES, metabolism/ RNA, MESSENGER, analysis/ RNA, MESSENGER, biosynthesis/ *RNA, MESSENGER, metabolism/ TIME FACTORS/ ULTRACENTRIFUGATION

3076. **Rhynes WE, Ewing LL:** Plasma corticosteroids in Hereford bulls exposed to high ambient temperature.
J Anim Sci 36:369-73, Feb 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *CATTLE, physiology/ CORTICOSTERONE, blood/ ENVIRONMENT, CONTROLLED/ ENVIRONMENTAL EXPOSURE/ *GLUCOCORTICOIDS, blood/ *HEAT/ HYDROCORTISONE, blood/ MALE/ RECTUM/ RESPIRATION/ TIME FACTORS

3077. **Ricci V, Russolo M:** Immunocytological observations on the localization of ACTH in the hypophysis of the dog.
Acta Anat (Basel) 84:10-8, 1973
ANIMAL EXPERIMENTS/ *CORTICOTROPIN/ CORTICOTROPIN, secretion/ DOGS/ FEMALE/ *FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/ IMMUNOCHEMISTRY/ MALE/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, immunology/ PITUITARY GLAND, physiology

3078. **Rice-Wray E, Beristain II, Cervantes A:** Clinical study of a continuous daily micro-dose progestogen contraceptive--d-norgestrel.
Contraception 5:279-94, Apr 72
ADOLESCENCE/ ADULT/ BIOPSY/ BODY WEIGHT/ CERVIX MUCUS, drug effects/ CULDOSCOPY/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS/ NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ NORGESTREL, pharmacodynamics/ OVULATION, drug effects/ PREGNANEDIOL, urine/ SOCIOECONOMIC FACTORS/ SPECIAL LIST REPRODUCTION/ VAGINAL SMEARS

3079. **Richardson KT:** Cellular response to drugs affecting aqueous dynamics.
Arch Ophthalmol 89:65-84, Jan 73 (115 ref.)
ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *AQUEOUS HUMOR, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE/ CARBONIC ANHYDRASE INHIBITORS, pharmacodynamics/ CARDIAC GLYCOSIDES, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ INTRAOCULAR PRESSURE, drug effects/ MOLECULAR CONFORMATION/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ RECEPTORS, DRUG/ RECEPTORS, HORMONE/ REVIEW/ SYMPATHOLYTICS, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics

3080. **Ridsdale S, Cassatt JC, Steinhardt J:** Acid denaturation studies on a cobalt(3) protoporphyrin-globin complex. J Biol Chem 248:771-6, 10 Feb 73
AZIDES/ CARBON MONOXIDE/ CHEMISTRY/ *COBALT/ CYANATES/ CYANIDES/ DRUG STABILITY/ FLUORIDES/ *GLOBIN/ HEMEPROTEINS/ HEMOGLOBIN/ HORSES/ HYDROGEN-ION CONCENTRATION/ IRON/ KINETICS/ PEPTIDES/ *PORPHYRINS/ PROTEIN DENATURATION/ SPECTROPHOTOMETRY/ TEMPERATURE/ THIOCYANATES/ TIME FACTORS

3081. **Riecken EO, Bioch R:** Was ist gesichert in der Therapie der Dünndarmerkrankungen.
Internist (Berlin) 13:494-502, Dec 72 **(Ger)**
DIARRHEA, drug therapy/ ENDOCRINE DISEASES, drug therapy/ ENTERITIS, REGIONAL, drug therapy/ HUMAN/ *INTESTINAL DISEASES, drug therapy/ INTESTINAL DISEASES, surgery/ MALABSORPTION SYNDROMES, congenital/ MALABSORPTION SYNDROMES, drug therapy/ MALABSORPTION SYNDROMES, familial & genetic/ SPRUE, drug therapy/ VASCULAR DISEASES, drug therapy

3082. **Riederer J:** Ovulationshemmer-Pankreopathie.
Dtsch Med Wochenschr 98:175, 26 Jan 73 **(Ger)**
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *PANCREATIC DISEASES, chemically induced

3083. **Riegel K, Versmold H, Windthorst H, et al:** Thyroxine and red cell 2,3-diphosphoglycerate in the newborn period. Klin Wochenschr 51:138-9, 1 Feb 73
ACID-BASE EQUILIBRIUM/ DIPHOSPHOGLYCERIC ACIDS/ *ERYTHROCYTES, analysis/ FETAL HEMOGLOBIN/ *GLYCERIC ACIDS, blood/ HEMATOCRIT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFANT, NEWBORN/ *ORGANOPHOSPHORUS COMPOUNDS, blood/ OXYGEN CONSUMPTION/ THYROTROPIN, blood/ *THYROXINE, blood/ THYROXINE, metabolism/ TRIIODOTHYRONINE, blood

3084. **Ries J:** Strahlenbehandlung in der Gynäkologie.
Z Allgemeinmed 48:1540-9, 30 Nov 72 **(Ger)**
ENDOMETRIOSIS, radiotherapy/ FEMALE/ *GYNECOLOGIC NEOPLASMS, radiotherapy/ HUMAN/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, radiotherapy/ RADIOTHERAPY DOSAGE/ UTERINE NEOPLASMS, radiotherapy/ VAGINAL NEOPLASMS, radiotherapy/ VULVAR NEOPLASMS, radiotherapy

3085. **Rieu M, Wassermann D, Morin JP:** Sur le rôle de la médullo-surrénale dans la restauration du tonus vasculaire de la patte postérieure du chien après énervation aiguë.
J Physiol (Paris) 65:Suppl 1:159A, 1972 **(Fre)**
*ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD VESSELS, innervation/ CATECHOLAMINES, pharmacodynamics/ DENERVATION/ DOGS/ *HINDLIMB, blood supply/ HINDLIMB, innervation/ MUSCLE TONUS/ *VASCULAR RESISTANCE/ *VASOMOTOR SYSTEM, physiology

3086. **Riley DJ, Saidana M:** Pigeon breeder's lung. Subacute course and the importance of indirect exposure.
Am Rev Respir Dis 107:456-60, Mar 73
ADULT/ ANTIGENS/ BIOPSY/ ENVIRONMENTAL EXPOSURE/ FARMER'S LUNG, diagnosis/ FARMER'S LUNG, drug therapy/ *FARMER'S LUNG, etiology/ FARMER'S LUNG, pathology/ FEMALE/ HUMAN/ LUNG, pathology/ *PIGEONS/ PREDNISONE, therapeutic use

3087. **Ring A:** Clinical experience with prostaglandin F 2 for induction of labor. J Reprod Med 9:311-3, Dec 72
ADOLESCENCE/ ADULT/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HEART RATE/ HEMORRHAGE, POSTPARTUM/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ LABOR, PREMATURE/ MIDDLE AGE/ PREGNANCY/ PREGNANCY IN DIABETES/ PREGNANCY TOXEMIAS/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects

3088. **Ring EJ, Eaton SB Jr, Ferrucci JT Jr, et al:** Differential diagnosis of pancreatic calcification.
Am J Roentgenol Radium Ther Nucl Med 117:446-52, Feb 73
ALCOHOLISM, complications/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ CHILD, PRESCHOOL/ CYSTIC FIBROSIS, complications/ CYSTIC FIBROSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, radiography/ KWASHIORKOR, complications/ KWASHIORKOR, radiography/ *PANCREATIC DISEASES, etiology/ PANCREATIC DISEASES, radiography/ PANCREATIC NEOPLASMS, complications/ PANCREATIC NEOPLASMS, radiography/ PANCREATITIS, complications/ PANCREATITIS, familial & genetic/ PANCREATITIS, radiography

3089. **Risser WL, Gelehrter TD:** Hormonal modulation of amino acid transport in rat hepatoma cells in tissue culture. J Biol Chem 248:1248-54, 25 Feb 73
*AMINO ACIDS, metabolism/ AMINOISOBUTYRIC ACID, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARBON ISOTOPES/ CLONE CELLS, metabolism/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, pharmacodynamics/ DIFFUSION/ DRUG SYNERGISM/ *HEPATOMA, metabolism/ INSULIN, pharmacodynamics/ KINETICS/ *LIVER NEOPLASMS, metabolism/ NEOPLASM PROTEINS, biosynthesis/ RATS/ STIMULATION, CHEMICAL/ SWINE/ TIME FACTORS

3090. **Ritchie WP Jr, Fischer RP:** Effect of metabolic inhibitors on the gastric mucosal barrier.
Surgery 73:614-22, Apr 73
*ACETAZOLAMIDE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ *DINITROPHENOLS, pharmacodynamics/ DOGS/ ELECTRON TRANSPORT, drug effects/ GASTRIC JUICE, drug effects/ *GASTRIC MUCOSA, drug effects/ HYDROGEN, metabolism/ *IODOACETATES, pharmacodynamics/ POTASSIUM, metabolism/ SODIUM, metabolism/ *THIOCYANATES, pharmacodynamics/ WATER, metabolism

3091. **Robertshaw D, Taylor CR, Mazzia LM:** Sweating in primates: secretion by adrenal medulla during exercise. Am J Physiol 224:678-81, Mar 73
*ADRENAL MEDULLA, secretion/ ANIMAL EXPERIMENTS/ EPINEPHRINE, physiology/ *EPINEPHRINE, secretion/ *EXERTION/ HEAT/ MACACA/ MALE/ MONKEYS/ OXYGEN CONSUMPTION/ *SWEATING/ *SYMPATHETIC NERVOUS SYSTEM, physiology

3092. **Robertson EG, Cheyne GA:** Plasma biochemistry in relation to oedema of pregnancy.
J Obstet Gynaecol Br Commonw 79:769-76, Sep 7
BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, analysis/ CHLORIDES, blood/ CONTRACEPTIVES, ORAL/ *EDEMA, blood/ ERYTHROCYTES/ FEMALE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ OSMOLAR CONCENTRATION/ OSMOTIC FRAGILITY/ POTASSIUM, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ SERUM ALBUMIN, analysis/ SODIUM, blood/ TIME FACTORS/ UREA, blood

3093. **Robertson HA, Smeaton TC, Durnford R:** A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 and estradiol-17 in plasma. Steroids 20:651-67, Dec 72
ANIMAL EXPERIMENTS/ BENZENE/ CASTRATION/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ ESTRADIOL/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRONE, chem synthesis/ FEMALE/ MALE/ METHODS/ NAD/ OVARY, physiology/ OXIDATION-REDUCTION/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SOLVENTS/ TESTIS, physiology/ TRITIUM

3094. **Robertson JI, Brown JJ, Düsterdieck GO, et al:** Hypertension with aldosterone excess.
Angio Ger Med Rev 6:55-73, Mar 72
ANGIOTENSIN, physiology/ HUMAN/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, complications/ RENIN, physiology

3095. **Robertson PB, Taylor RE, Fullmer HM:** A reproducible quantitative collagenase radiofibril assay.
Clin Chim Acta 42:43-5, Nov 72
ANIMAL EXPERIMENTS/ BONE AND BONES metabolism/ CARBON ISOTOPES/ CHICK EMBRYO/ *CLOSTRIDIOPEPTIDASE A, analysis/ COLLAGEN, biosynthesis/ GELS/ GINGIVA, enzymology/ GLYCINE, metabolism/ HUMAN/ MALE/ METHODS/ MICROPORE FILTERS/ RATS

3096. **Robin NI, Selenkow HA, Fang VS, et al:** Bidirectional thyroxine exchange in pregnant sheep.
Hormones 3:235-49, 1972
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ DIALYSIS/ FEMALE/ FETUS, metabolism/ HEMATOCRIT/ IODINE ISOTOPES/ KINETICS/ *MATERNAL-FETAL EXCHANGE/ MUSCLES, analysis/ PREGNANCY/ SHEEP/ SPECTROPHOTOMETRY/ THYROID GLAND, analysis/ *THYROXINE, metabolism/ TIME FACTORS/ TRICHLOROACETIC ACID/ TRIIODOTHYRONINE, metabolism

3097. **Robinson HP, Sharp F, Donald I, et al:** The effect of pulsed and continuous wave ultrasound on the enzyme histochemistry of placental tissue in vitro.
J Obstet Gynaecol Br Commonw 79:821-7, Sep 7
ACID PHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ CELL MEMBRANE, enzymology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE/ LIPOAMIDE DEHYDROGENASE, analysis/ LYSOSOMES, enzymology/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *PLACENTA, enzymology/ PREGNANCY/ *ULTRASONICS

3098. **Robinson MJ, Kent M, Stocks J:** Phaeochromocytoma in childhood: report of 3 cases.
Arch Dis Child 48:137-42, Feb 73
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLAND NEOPLASMS, urine/ BLOOD PRESSURE/ CATECHOLAMINES, urine/ CHILD/ DOPA, analysis/ DOPAMINE, analysis

FEMALE/ HUMAN/ MALE/ NOREPINEPHRINE, analysis/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, metabolism/ PHEOCHROMOCYTOMA, surgery/ PHEOCHROMOCYTOMA, urine/ RENAL ARTERY OBSTRUCTION, etiology

099. **Robinson PA:** Nursing care study: pregnancy with complications. Nurs Mirror 136:22-4, 16 Mar 73
ABSCESS, nursing/ HEMORRHAGE, GASTROINTESTINAL, nursing/ OVARIAN DISEASES, nursing/ PEPTIC ULCER, nursing/ PREGNANCY COMPLICATIONS, nursing/ SPECIAL LIST NURSING

100. **Robison OW:** The role of maternal effects in animal breeding. V. Maternal effects in swine.
J Anim Sci 35:1303-15, Dec 72 (33 ref.)
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ *BREEDING/ CYTOPLASM/ ENVIRONMENT/ FEMALE/ GENETICS/ GENOTYPE/ LACTATION/ MATERNAL BEHAVIOR/ MATERNAL-FETAL EXCHANGE/ OVULATION/ PREGNANCY/ REVIEW/ *SWINE, growth & development/ WEANING

101. **Robles F, López de la Osa E, Lerner U, et al:** Alpha-amylase, glycogen synthetase and phosphorylase in the human endometrium: influence of the cycle and of the Cu-T device.
Contraception 6:373-84, Nov 72
ADULT/ AMYLASE, metabolism/ ANALYSIS OF VARIANCE/ BIOPSY/ COPPER, pharmacodynamics/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, enzymology/ ENDOMETRIUM, pathology/ FEMALE/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ HUMAN/ INTRAUTERINE DEVICES/ OVULATION/ PROGESTERONE, blood/ PROTEINS, metabolism/ SPECIAL LIST REPRODUCTION

102. **Robles Gil J:** Problemas diagnósticos y terapéuticos del lupus eritematoso generalizado.
Arch Inst Cardiol Mex 42:813-26, Nov-Dec 72 (Spa)
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ JOINT DISEASES, etiology/ KIDNEY DISEASES, etiology/ LUNG DISEASES, etiology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ MEDICATION ERRORS/ NEUROLOGIC MANIFESTATIONS, etiology/ PLEURISY, etiology/ SEX FACTORS/ SKIN MANIFESTATIONS

103. **Rochefort H, Baulieu EE:** Oestradiol "neo nuclear receptor" in the rat uterus: sedimentation constant and conditions of formation.
Biochimie 54:1303-17, 1972
ADSORPTION/ ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CHARCOAL/ CYTOSOL/ DEXTRAN/ *ESTRADIOL/ ESTRADIOL, metabolism/ FEMALE/ *PROTEIN BINDING/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ SUCROSE/ UTERUS, analysis

104. **Rochefort H, Lignon F, Capony F:** Effect of antiestrogens on uterine estradiol receptors.
Gynecol Invest 3:43-62, 1972
ANIMAL EXPERIMENTS/ *BINDING, COMPETITIVE/ CYTOSOL, metabolism/ *ESTRADIOL, antagonists & inhibitors/ ESTRONE, antagonists & inhibitors/ FEMALE/ NAPHTHALENES, pharmacodynamics/ PHENOLS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *PYRROLIDINES, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ TESTOSTERONE, pharmacodynamics/ *UTERUS, drug effects

3105. **Rochemaure J, Safar M, Guermonprez JL, et al:** A propos d'un cas d'arote cervicale chez un patient atteint de maladie de Lobstein.
Coeur Med Interne 11:771-3, Oct-Dec 72 (Fre)
ADULT/ *AORTA, THORACIC, abnormalities/ AORTOGRAPHY/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOGENESIS IMPERFECTA, radiography/ *SCLERA, abnormalities

3106. **Röcki H:** Das nummuläre und das mikrobielle Ekzem.
Hautarzt 23:326-30, Jul 72 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ BACTERIA, isolation & purification/ DERMATITIS, CONTACT, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *ECZEMA, diagnosis/ ECZEMA, drug therapy/ ECZEMA, etiology/ ECZEMA, microbiology/ ECZEMA, occurrence/ EUROPE/ FOCAL INFECTION, complications/ HERPESVIRUS INFECTIONS, diagnosis/ HUMAN/ NOMENCLATURE/ RECURRENCE/ SKIN DISEASES, INFECTIOUS, diagnosis/ TINEA, diagnosis/ UNITED STATES

3107. **Röder K:** Zusatzuntersuchungen zum Routine-Lymphogramm.
Radiol Diagn (Berl) 13:665-72, 1972 (Ger)
ADULT/ AGED/ BLADDER NEOPLASMS, radiography/ DISGERMINOMA, radiography/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ TESTICULAR NEOPLASMS, radiography/ TOMOGRAPHY/ UTERINE NEOPLASMS, radiography/ VULVAR NEOPLASMS, radiography

3108. **Röder K:** Beteiligung des biologischen Verhaltens von Lymphknotenmetastasen aus dem Lymphogramm.
Radiol Diagn (Berl) 13:646-9, 1972 (Ger)
ADENOCARCINOMA, radiography/ ADULT/ AGED/ CERVIX NEOPLASMS, radiography/ FEMALE/ HUMAN/ *LYMPHATIC METASTASIS, radiography/ LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ TESTICULAR NEOPLASMS, radiography

3109. **Rodermund OE, Moersler B:** Säulenchromatographische Untersuchungen am Kollagen hypophysektomierter und orchidektomierter Ratten.
Arch Dermatol Forsch 244:529-30, 1972 (Ger)
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY/ *COLLAGEN, analysis/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, physiology/ RATS/ TESTIS, physiology

3110. **Roeske NA, McAdoo WG:** Gender identity. The problem of a true hermaphrodite. II.
J Am Acad Child Psychiatry 12:137-41, Jan 73
ADOLESCENCE/ ADULT/ FEMALE/ *HERMAPHRODITISM/ HUMAN/ MMPI/ *ROLE/ SCHIZOID PERSONALITY/ *SEX

3111. **Rogers ME, Klein G:** Amphibian ribosomal ribonucleic acids. Biochem J 130:281-8, Nov 72
*AMPHIBIA/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ IN VITRO/ KIDNEY/ LIVER, metabolism/ METHIONINE, metabolism/ MOLECULAR CONFORMATION/ MOLECULAR WEIGHT/ OROTIC ACID, metabolism/ OVARY, metabolism/ *RNA, RIBOSOMAL, analysis/ SPECIES SPECIFICITY/ TISSUE CULTURE/ TRANSCRIPTION, GENETIC/ TRITIUM/ TRITURUS/ URIDINE, metabolism/ XENOPUS

3112. **Röhling S, Němec J, Bednář J, et al:** Sezónní kolísaní hodnot jódu vázaného na bílkoviny plasmy (PBI.
Vnitr Lek 19:135-41, Feb 73 (Cze)
ENGLISH ABSTRACT/ HUMAN/ NUTRITION/ *PROTEIN-BOUND IODINE TEST/ SEASONS/ THYROID DISEASES, blood

3113. **Rohrschneider I, Schinko I, Schmiedek P:** Licht- und elektronenmikroskopische Untersuchungen an der Zona glomerulosa des Hundes nach Behandlung mit Spirolacton.
Res Exp Med (Berl) 159:321-32, 1973 (Ger)
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ KIDNEY CORTEX, pathology/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *SPIRONOLACTONE, pharmacodynamics

3114. **Rojakovick AS, March RB:** The activation and inhibition of adenyl cyclase from the brain of the Madagascar cockroach (Gromphadorhina portentosa).
Comp Biochem Physiol [B] 43:209-15, 15 Sep 72
*ADENYL CYCLASE/ ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ *COCKROACHES, enzymology/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ INVERTEBRATE HORMONES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ NOREPINEPHRINE, pharmacodynamics

3115. **Rojo-Ortega JM, Chrétien M, Genest J:** Renin-angiotensin system in chronically hypophysectomized rats.
Horm Metab Res 4:500-5, Nov 72
ADRENAL GLANDS, physiology/ *ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORTICOSTERONE, pharmacodynamics/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HYPOPHYSECTOMY/ JUXTAGLOMERULAR APPARATUS, cytology/ KIDNEY, analysis/ KIDNEY, enzymology/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ RATS/ RENIN, analysis/ RENIN, blood/ *RENIN, metabolism/ SODIUM CHLORIDE, pharmacodynamics

3116. **Roland DA Sr, Sloan DR, Harms RH:** Calcium metabolism in the laying hen. 3. Pattern of feed (calcium) intake as influenced by time of day and oviposition.
Poult Sci 51:1388-91, Jul 72
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BEHAVIOR, ANIMAL/ *CALCIUM, DIETARY, metabolism/ CHICKENS, physiology/ *CHICKENS, physiology/ FEMALE/ *OVULATION/ TIME FACTORS

3117. **Roldán AG, Del Castillo EJ, Rietti CT:** The effect of hypophysectomy on ketonemia and liver lipids in pancreatectomized dogs.
Acta Physiol Lat Am 22:166-70, 1972
ANIMAL EXPERIMENTS/ DOGS/ FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HYPOPHYSECTOMY/ *KETONE BODIES, blood/ LIPIDS, blood/ *LIPIDS, metabolism/ *LIVER, metabolism/ MALE/ *PANCREAS, physiology/ PANCREATECTOMY/ PHOSPHOLIPIDS, metabolism/ *PITUITARY GLAND, physiology/ TIME FACTORS/ TRIGLYCERIDES, metabolism

3118. **Rolfe B, Scheil J, Becker A, et al:** A colicin-tolerant mutant of Escherichia coli with reduced levels of cyclic AMP and a strong bias towards lambda lysogeny.
Mol Gen Genet 120:1-16, 18 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ COLICINS, pharmacodynamics/ COLIPHAGES/ ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ *ESCHERICHIA COLI, metabolism/ GENETICS, MICROBIAL/ LYSOGENY/ *MUTATION/ TEMPERATURE

3119. **Rolland M, Martinez J, Ghisolfi J, et al:** Caryotype 49 (XXXXY), une nouvelle observation. Discussion du mécanisme chromosomique de cette affection.
Arch Fr Pediatr 29:565, May 72 (Fre)
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ KARYOTYPING/ MALE/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic

3120. **Rolls BJ, Jones BP, Fallows DJ:** A comparison of the motivational properties of thirst induced by intracranial angiotensin and by water deprivation.
Physiol Behav 9:777-82, Nov-Dec 72
ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ *MOTIVATION/ QUININE/ RATS/ REWARD/ SATIATION/ TASTE/ *THIRST/ THIRST, drug effects/ *WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE

3121. **Rolls ET:** Refractory periods of neurons directly excited in stimulus-bound eating and drinking in the rat.
J Comp Physiol Psychol 82:15-22, Jan 73
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ AROUSAL/ BRAIN STEM, physiology/ CONDITIONING, OPERANT/ *DRINKING BEHAVIOR/ EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR/ HUNGER/ *HYPOTHALAMUS, physiology/ MALE/ *NEURAL CONDUCTION/ *NEURONS, physiology/ RATS/ REFRACTORY PERIOD, NEUROLOGIC/ THIRST

3122. **Rolschau J, Nielsen FH, Jacobsen BB:** Foam cells in the placenta in extreme hyperlipaemia.
Acta Pathol Microbiol Scand [A] 80:751-5, 1972
ADULT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *HYPERLIPEMIA, pathology/ HYPERLIPEMIA, physiopathology/ MACROPHAGES/ MATERNAL-FETAL EXCHANGE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *PLACENTA, pathology/ PLACENTA, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, pathology

3123. **Rom-Bugoslavskaia ES, Tikhonova EP, Tsarikovskaia NG:** Tireotoksicheskoe serdtse (patogenez, klinika, diagnostika, lechenie.
Probl Endokrinol (Mosk) 18:55-7, Nov-Dec 72 (Rus)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ MYOCARDIAL DISEASES, SECONDARY, diagnosis/ *MYOCARDIAL DISEASES, SECONDARY, etiology/ PHONOCARDIOGRAPHY

3124. **Romain R, Bugnon C:** Etude cytophysiologique des modifications adénohypophysaires chez la tanche soumise à la métopirone.
C R Soc Biol (Paris) 166:553-6, 1972 (Fre)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ CORTICOTROPIN, secretion/ *FISHES/ *METYRAPONE, pharmacodynamics/ *PITUITARY GLAND, drug effects

3125. **Rombouts JJ, Troch R, Vincent A, et al:** Nécroses osseuses après transplantation rénale.
Acta Orthop Belg 38:588-601, Oct 72 (Fre)
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *BONE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ HUMERUS/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *KIDNEY, transplantation/ MALE/ NECROSIS/ *OSTEOCHONDRITIS, etiology/ POSTOPERATIVE COMPLICATIONS/ TRANSPLANTATION, HOMOLOGOUS

3126. **Romer BA, Romer TE:** W sprawie rutynowego oznaczania ciałka Y w nahłonku jamy ustnej.
Pol Tyg Lek 27:2052-4, 25 Dec 72 (Pol)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CYTOLOGICAL TECHNICS/ ENGLISH ABSTRACT/ EPITHELIUM/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MICROSCOPY,

FLUORESCENCE/ MIDDLE AGE/ *MOUTH MUCOSA, cytology/ SEX CHROMATIN, analysis/ *SEX CHROMOSOMES

3127. **Romero JA, Lytle LD, Ordonez LA, et al:** Effects of L-dopa administration of the concentrations of dopa, dopamine and norepinephrine in various rat tissues. J Pharmacol Exp Ther 184:67-72, Jan 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ DOPA, analysis/ *DOPA, pharmacodynamics/ *DOPAMINE, analysis/ EPINEPHRINE, analysis/ FERRICYANIDES/ FLUORESCENCE/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ *NOREPINEPHRINE, analysis/ OXIDATION-REDUCTION/ RATS/ SPLEEN, analysis/ STOMACH, analysis/ TIME FACTORS

3128. **Romero JC, Hoobler SW:** Changes in renin kinetics induced by nephrectomy. Am J Physiol 223:1076-80, Nov 72
ANGIOTENSIN, biosynthesis/ ANGIOTENSIN, blood/ ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, blood/ KINETICS/ MALE/ NEPHRECTOMY/ RATS/ *RENIN, blood/ RENIN, metabolism/ SWINE

3129. **Ronnov-Jessen V, Kirkegaard C:** Hyperthyroidism--a disease of old age? Br Med J 1:41-3, 6 Jan 73
ADULT/ AGED/ CARBIMAZOLE, therapeutic use/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, occurrence/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ THYROXINE, blood

3130. **Roof BS:** Tumor hypercalcemia. Calif Med 118:35-6, Jan 73
HEPATOMA, complications/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, etiology/ LIVER NEOPLASMS, complications/ *NEOPLASMS, complications/ PARATHYROID HORMONE, blood

3131. **Root AW:** Evaluation of the child with isosexual precocious puberty. Del Med J 45:73-9, Mar 73
ADOLESCENCE/ AGE FACTORS/ BREAST, growth & development/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FEMALE/ GENITALIA, growth & development/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PUBERTY, PRECOCIOUS, diagnosis/ PUBERTY, PRECOCIOUS, etiology/ PUBERTY, PRECOCIOUS, therapy/ SEX FACTORS

3132. **Roques M, Torresani J, Michelbechet M, et al:** Relationship between thyroglobulin synthesis, iodine metabolism, and histogenesis in the developing rabbit fetal thyroid gland. Gen Comp Endocrinol 19:457-72, Dec 72
ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ CENTRIFUGATION/ COLLOIDS, analysis/ ELECTROPHORESIS, DISK/ FETUS, growth & development/ GESTATIONAL AGE/ *IODINE, metabolism/ IODINE ISOTOPES/ LEUCINE, metabolism/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ MORPHOGENESIS/ PROTEIN BINDING/ *RABBITS, embryology/ RADIOIMMUNOASSAY/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, cytology/ *THYROID GLAND, embryology/ THYROID GLAND, metabolism/ TRITIUM

3133. **Rosa JC da, Martins LO:** Bócio mergulhante. Alguns dados referentes a 36 casos operados no Hospital do Servidor Público Estadual Francisco Morato de Oliveira. Rev Assoc Med Bras 18:457-62, Nov 72 (Por)
ADOLESCENCE/ ADULT/ AGED/ BRAZIL/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, SUBSTERNAL, complications/ GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, radiography/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ THYROID NEOPLASMS, etiology/ THYROIDECTOMY

3134. **Rosato EF, Mullen JL, Lanclault G, et al:** The dissociation of gastric acid output and plasma gastrin concentration after calcium infusions in conscious monkeys. Surgery 73:207-11, Feb 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTRIC JUICE, secretion/ *GASTRIN, blood/ HISTAMINE, diagnostic use/ *HYPERCALCEMIA, physiopathology/ INFUSIONS, PARENTERAL/ MACACA/ MALE/ MONKEYS/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STIMULATION, CHEMICAL/ TIME FACTORS

3135. **Rose JD, Sutin J:** Responses of single units in the medulla to genital stimulation in estrous and anestrous cats. Brain Res 50:87-99, 14 Feb 73
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CATS/ ELECTROENCEPHALOGRAPHY/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, anatomy & histology/ MEDULLA OBLONGATA, drug effects/ *MEDULLA OBLONGATA, physiology/ NEURAL TRANSMISSION/ PHYSICAL STIMULATION/ RETICULAR FORMATION, physiology/ SEX BEHAVIOR, ANIMAL/ TOUCH/ *VAGINA, innervation

3136. **Rose NR, Molotchnikoff MF:** Variations in complement levels during active and adoptive immunization. J Immunol 110:867-72, Mar 73
ABSORPTION/ ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ *ANTIGENS/ AUTOANTIGENS/ BORDETELLA PERTUSSIS, immunology/ *COMPLEMENT, analysis/ FEMALE/ FREUND'S ADJUVANT/ HEMAGGLUTINATION TESTS/ HEMOLYSIS/ *IMMUNIZATION/ LYMPH NODES, cytology/ PASSIVE TRANSFER/ RATS/ RATS, INBRED LEW/ SERUM ALBUMIN, BOVINE/ THYROID GLAND, immunology/ THYROIDITIS, immunology/ TISSUE EXTRACTS

3137. **Roseman TJ, Sims B, Stehle RG:** Stability of prostaglandins. Am J Hosp Pharm 30:236-9, Mar 73
ALCOHOLS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DRUG STABILITY/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *PROSTAGLANDINS, analysis/ SOLUBILITY

3138. **Rosen P, Karasiewicz R:** The addition of dihalocarbenes to 3 -acetoxy-B-norandrost-5-en-17-one. J Org Chem 38:289-92, 26 Jan 73
*ANDROSTENES, chem synthesis/ CHEMISTRY/ CYCLOSTEROIDS, chem synthesis/ NORSTEROIDS/ STEREOISOMERS

3139. **Rosenbaum RW, Hayes MF Jr, Morello DC, et al:** The importance of pulmonary artery pressure monitoring. Surg Gynecol Obstet 136:261-4, Feb 73
BLOOD GAS ANALYSIS/ *BLOOD PRESSURE DETERMINATION/ CARDIAC OUTPUT/ CATHETERIZATION/ CENTRAL VENOUS PRESSURE/ DIURETICS, therapeutic use/ HEART ATRIUM, physiopathology/ HUMAN/ LACTATES, blood/ LUNG, injuries/ MALE/ MATHEMATICS/ MIDDLE AGE/ POSITIVE-PRESSURE RESPIRATION/ *PULMONARY ARTERY/ RESPIRATORY INSUFFICIENCY, drug therapy/ RESPIRATORY INSUFFICIENCY, etiology/ STEROIDS, therapeutic use/ VASCULAR RESISTANCE/ WATER-ELECTROLYTE BALANCE/ *WOUNDS AND INJURIES, physiopathology

3140. Rosenfeld CR, Killam AP, Battaglia FC, et al: Effect of estradiol-17, on the magnitude and distribution of uterine blood flow in nonpregnant, oophorectomized ewes. Pediatr Res 7:139-48, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CATHETERIZATION/ CERIUM ISOTOPES/ CHROMIUM ISOTOPES/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HEART CATHETERIZATION/ MAMMAE, blood supply/ METHODS/ MICROSPHERES/ REGIONAL BLOOD FLOW, drug effects/ REGRESSION ANALYSIS/ SHEEP/ STIMULATION, CHEMICAL/ STRESS, physiopathology/ UTERUS, anatomy & histology/ *UTERUS, blood supply/ UTERUS, drug effects/ VAGINA, blood supply

3141. Rosenkranz W, Holzer S: Satellite association. A possible cause of chromosome aberrations. Humangenetik 16:147-50, 1972
CELL NUCLEOLUS/ CELLS, CULTURED/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME/ LYMPHOCYTES/ MALE/ MITOSIS/ MONGOLISM/ STATISTICS/ TRISOMY/ TURNER'S SYNDROME

3142. Rosenson LM: Interactions between infant greater bushbabies (Galago crassicaudatus crassicaudatus) and adults other than their mothers under experimental conditions. Z Tierpsychol 31:240-69, Sep 72
AGE FACTORS/ AGGRESSION/ ANIMAL EXPERIMENTS/ FEAR/ FEMALE/ GROOMING/ LACTATION/ MALE/ *MATERNAL BEHAVIOR/ MATERNAL DEPRIVATION/ PREGNANCY/ *PRIMATES/ *SOCIAL BEHAVIOR/ SPECIES SPECIFICITY/ TIME FACTORS

3143. Rosenthal MW, Brown H, Chladek DL, et al: Removal of plutonium from mouse liver by glucan and DTPA. Radiat Res 53:102-14, Jan 73
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CHELATING AGENTS, pharmacodynamics/ *DTPA, pharmacodynamics/ FECES, analysis/ FEMALE/ FEMUR, analysis/ GLUCOSE, administration & dosage/ GLUCOSE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ LIVER, analysis/ LIVER, drug effects/ *LIVER, metabolism/ MICE/ PLUTONIUM, analysis/ *PLUTONIUM, metabolism/ POLYSACCHARIDES, administration & dosage/ *POLYSACCHARIDES, pharmacodynamics/ SACCHAROMYCES CEREVISIAE/ TIME FACTORS

3144. Roses AD, Appel SH: Erythrocyte protein phosphorylation. J Biol Chem 248:1408-11, 25 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE/ ADENOSINE TRIPHOSPHATE, metabolism/ *BLOOD PROTEINS, metabolism/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ERYTHROCYTES, enzymology/ *ERYTHROCYTES, metabolism/ HUMAN/ OSMOLAR CONCENTRATION/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, antagonists & inhibitors/ *PHOSPHOTRANSFERASES, blood/ POTASSIUM, pharmacodynamics/ PROTEINS/ SERINE, metabolism/ SODIUM, pharmacodynamics/ SODIUM DODECYL SULFATE/ THREONINE, metabolism

3145. Rosner JM, Denari JH, Castro-Vázquez A, et al: Oestrogen uptake by the central nervous system. Gynecol Invest 3:30-42, 1972
ANIMAL EXPERIMENTS/ *CENTRAL NERVOUS SYSTEM, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, metabolism/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HYDROXYPROGESTERONE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ LYNESTRENOL, pharmacodynamics/ MEDROXYPROGESTERONE, pharmacodynamics/ METHYLTRANSFERASES, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PINEAL BODY, drug effects/ PINEAL BODY, metabolism/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *RECEPTORS, HORMONE

3146. Ross A, Christie S, Edmond P: Ultrastructural tail defects in the spermatozoa from two men attending a subfertility clinic. J Reprod Fertil 32:243-51, Feb 73
ADULT/ BIOPSY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ SEMEN/ *SPERMATOZOA/ *STERILITY, MALE, etiology/ TESTIS, pathology

3147. Ross JW, Shryne J, Gorski RA, et al: Effect of clomiphene citrate and its isomers on sexual behavior in ovariectomized rats. Endocrinology 92:1079-83, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ FEMALE/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ STEREOISOMERS/ TIME FACTORS

3148. Rossi CS, Vasington FD, Carafoli E: The effect of ruthenium red on the uptake and release of Ca 2+ by mitochondria. Biochem Biophys Res Commun 50:846-52, 5 Feb 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CHLORIDES, pharmacodynamics/ HYDROGEN, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ INDICATORS AND REAGENTS/ MEMBRANES, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ *RUTHENIUM, pharmacodynamics

3149. Rossi G, Edelhoch H, Tenore A, et al: Characterization and properties of thyroid iodoproteins from severely iodine-deficient rats. Endocrinology 92:1241-9, Apr 73
ACETAMIDES/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ FLUORESCENCE SPECTROMETRY/ IODINE, analysis/ IODINE ISOTOPES/ *IODOPROTEINS, analysis/ RATS/ SULFHYDRYL COMPOUNDS, analysis/ *THYROID GLAND, analysis/ TRITIUM/ ULTRACENTRIFUGATION

3150. Rossier G, Pierrepoint CG, Wilson DG, et al: Steroid hormone-binding in sheep pregnancy myometrium. J Reprod Fertil 31:502-3, Dec 72
ANIMAL EXPERIMENTS/ *ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ IN VITRO/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROTEIN BINDING/ SHEEP/ *UTERUS, metabolism

3151. Rostafińska J, Klimiuk L, Karczewska Z, et al Zastosowanie apeksodiografii do badania czynności lewej komory serca u chorych z nadczynnością tarczycy. Pol Tyg Lek 28:123-5, 22 Jan 73 (Pol
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *HEART VENTRICLE, physiopathology/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ *KINETOCARDIOGRAPHY/ MALE/ MIDDLE AGE

3152. Roth H: Neuere Aspekte der Kropfchirurgie. Helv Chir Acta 39:733-6, Dec 72 (Ger
GOITER, prevention & control/ *GOITER, surgery/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPOTHYROIDISM, surgery/ METHODS/ RECURRENCE/ THYROID

HORMONES, therapeutic use/ THYROIDECTOMY

3153. **Rothschild MA, Oratz M, Schreiber SS:** Albumin metabolism.
Gastroenterology 64:324-37, Feb 73 (130 ref.)
ACCLIMATIZATION/ ALCOHOLIC INTOXICATION, blood/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BURNS, blood/ CARBON TETRACHLORIDE POISONING, blood/ CARDIOVASCULAR DISEASES, blood/ COLLOIDS/ CORTISONE, pharmacodynamics/ GASTROINTESTINAL DISEASES, blood/ HUMAN/ KIDNEY DISEASES, blood/ LIVER, metabolism/ LIVER CIRRHOSIS, blood/ NEOPLASMS, blood/ NUTRITION/ OSMOTIC PRESSURE/ RADIATION INJURIES, blood/ RATS/ REVIEW/ RNA, MESSENGER/ SERUM ALBUMIN, biosynthesis/ *SERUM ALBUMIN, metabolism/ STRESS, blood

3154. **Rothwell TL, Spector WG:** The effect of neonatal and adult thymectomy on the inflammatory response.
J Pathol 108:15-21, Sep 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BORDETELLA PERTUSSIS/ CARRAGEENAN/ COMPOUND 48-80, pharmacodynamics/ EDEMA/ FEMALE/ *GRANULOMA/ HINDLIMB/ HISTAMINE, pharmacodynamics/ *INFLAMMATION/ IODINE ISOTOPES/ MALE/ MICE/ MICE, INBRED CBA/ MYCOBACTERIUM BOVIS/ PERTUSSIS VACCINE, pharmacodynamics/ RADIATION EFFECTS/ RATS/ SEROTONIN, pharmacodynamics/ *THYMECTOMY/ THYMIDINE, metabolism/ THYMUS GLAND, physiology/ TRITIUM/ TUBERCULOSIS VACCINES

3155. **Rouit H:** Paralysie faciale et contraceptifs. A propos d'un cas. Inf Dent 54:3495-501, 28 Sep 72 (Fre)
CONTRACEPTIVES, ORAL, adverse effects/ FACIAL PARALYSIS, chemically induced/ SPECIAL LIST DENTAL

3156. **Rous J, Madžarovová-Nohejlová, Pavýza O:** Naše zkušenostl s Tietzovým syndromem.
Vnitr Lek 19:156-64, Feb 73 (Cze)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, therapeutic use/ PROCAINE, therapeutic use/ *TIETZE'S SYNDROME, diagnosis/ TIETZE'S SYNDROME, drug therapy/ TIETZE'S SYNDROME, surgery

3157. **Rouse BT, Wells RJ, Warner NL:** Proportion of T and B lymphocytes in lesions of Marek's disease: theoretical implications for pathogenesis.
J Immunol 110:534-9, Feb 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ AUTORADIOGRAPHY/ AVIAN LEUKOSIS, etiology/ *AVIAN LEUKOSIS, immunology/ BURSA OF FABRICIUS, immunology/ CHICKENS/ IODINE ISOTOPES/ *B-LYMPHOCYTES, analysis/ *T-LYMPHOCYTES, analysis/ OVARIAN NEOPLASMS, immunology/ PERIPHERAL NERVE DISEASES, etiology/ PERIPHERAL NERVE DISEASES, immunology/ POULTRY DISEASES, etiology/ *POULTRY DISEASES, immunology/ RABBITS, immunology/ SHEEP, immunology

3158. **Rousseau G, Baxter JD, Funder JW, et al:** Glucocorticoid and mineralocorticoid receptors for aldosterone. J Steroid Biochem 3:219-27, Feb 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ *GLUCOCORTICOIDS, metabolism/ HEPATOMA, metabolism/ IN VITRO/ *MINERALOCORTICOIDS, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, DRUG/ TISSUE CULTURE/ TRITIUM

3159. **Rowińska D:** Leczenie przewlekłej niewydolności nerek. Pol Arch Med Wewn 50:91-100, Jan 73 (Pol)
CALCIUM, metabolism/ DIET THERAPY/ DIETARY CARBOHYDRATES, administration & dosage/ DIETARY PROTEINS, administration & dosage/ HUMAN/ KIDNEY FAILURE, CHRONIC, diagnosis/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY FAILURE, CHRONIC, therapy/ NEPHRONS, physiopathology/ PHOSPHATES, metabolism/ POTASSIUM, administration & dosage/ SODIUM, administration & dosage/ SODIUM, urine/ UROGRAPHY

3160. **Rowland LO Jr, Harms RH:** Time required to develop bone fragility in laying hens.
Poult Sci 51:1339-41, Jul 72
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BONE AND BONES, physiology/ BONE RESORPTION/ CALCIUM, metabolism/ CHICKENS, metabolism/ *CHICKENS, physiology/ DIET/ DIETARY PROTEINS, metabolism/ FEMALE/ HOUSING, ANIMAL/ MINERALS, analysis/ PHOSPHORUS, metabolism/ STRESS, MECHANICAL/ TIBIA, analysis/ TIME FACTORS

3161. **Royer P:** Applications médicales et perspectives thérapeutiques dédultes des connaissances en pathologie moléculaire.
Biochimie 54:789-99, 1972 (Fre)
BINDING SITES/ BIOLOGICAL TRANSPORT/ BLOOD COAGULATION FACTORS/ BLOOD TRANSFUSION/ CARRIER PROTEINS/ COENZYMES, biosynthesis/ DIET THERAPY/ ENGLISH ABSTRACT/ ENZYME INDUCTION/ ENZYMES, biosynthesis/ FEEDBACK/ HORMONES, biosynthesis/ HORMONES, therapeutic use/ HUMAN/ LYSOSOMES, enzymology/ METABOLISM, INBORN ERRORS, drug therapy/ *METABOLISM, INBORN ERRORS, therapy/ PROTEIN CONFORMATION/ RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TISSUE EXTRACTS, therapeutic use/ TRANSDUCTION, GENETIC/ VITAMINS, therapeutic use

3162. **Rubens RD, Wiltshaw E, Boesen E, et al:** Multiple-drug therapy in Hodgkin's disease.
Eur J Cancer 8:477-84, Oct 72
ANTIEMETICS, therapeutic use/ DRUG SYNERGISM/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ MECHLORETHAMINE, adverse effects/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ REMISSION/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

3163. **Rubin CS, Erlichman J, Rosen OM:** Cyclic adenosine 3',5'-monophosphate-dependent protein kinase of human erythrocyte membranes.
J Biol Chem 247:6135-9, 10 Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMMONIUM CHLORIDE, pharmacodynamics/ CATIONS, DIVALENT/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ ERYTHROCYTES, cytology/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, enzymology/ ERYTHROCYTES, metabolism/ HISTONES/ HUMAN/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICROPORE FILTERS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, blood/ PROTAMINES/ PROTEIN BINDING/ PROTEINS/ RIBONUCLEOTIDES, pharmacodynamics/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

3164. **Rubin CS, Rosen OM:** The role of cyclic AMP in the phosphorylation of proteins in human erythrocyte membranes.
Biochem Biophys Res Commun 50:421-9, 23 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *BLOOD PROTEINS, metabolism/ CELL MEMBRANE,

enzymology/ *CELL MEMBRANE, metabolism/ ELECTROPHORESIS/ *ERYTHROCYTES, metabolism/ HUMAN/ KINETICS/ *PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS/ SODIUM DODECYL SULFATE

3165. **Rubin P:** Updated Hodgkin's disease. C. Advanced disease and special problems. Management with combination therapy. JAMA 223:164-6, 8 Jan 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ CARMUSTINE, administration & dosage/ CARMUSTINE, therapeutic use/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MECHLORETHAMINE, administration & dosage/ *MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ VINCRISTINE, administration & dosage/ *VINCRISTINE, therapeutic use

3166. **Rubin P:** Updated Hodgkin's disease. C. Advanced disease and special problems. Comment: the non-Hodgkin's lymphomas. JAMA 223:175-8, 8 Jan 73
BURKITT'S LYMPHOMA, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ HODGKIN'S DISEASE/ HUMAN/ LEUKEMIA/ *LYMPHOMA/ LYMPHOMA, classification/ LYMPHOMA, drug therapy/ LYMPHOMA, radiotherapy/ LYMPHOSARCOMA/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ SARCOMA, RETICULUM CELL/ VINCRISTINE, therapeutic use

3167. **Rubin RW, Filner P:** Adenosine 3',5'-cyclic monophosphate in Chlamydomonas reinhardtii. Influence on flagellar function and regeneration.
J Cell Biol 56:828-35, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ALGAE, GREEN, drug effects/ AMINOPHYLLINE, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CELL DIVISION, drug effects/ CELL MOVEMENT, drug effects/ CHLAMYDOMONAS/ DRUG SYNERGISM/ FLAGELLA, cytology/ *FLAGELLA, drug effects/ MICROTUBULES, drug effects/ MUTATION/ REGENERATION, drug effects/ XANTHINES, pharmacodynamics

3168. **Rubio B, Mischler TW, Berman E:** Further experience with a once-a-month oral contraceptive: quinestrol-quingestanol. Fertil Steril 23:734-8, Oct 72
ADMINISTRATION, ORAL/ ADULT/ BREAST, drug effects/ *CONTRACEPTIVES, ORAL/ DRUG COMBINATIONS/ FEMALE/ FERTILITY, drug effects/ HEADACHE, chemically induced/ HUMAN/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, chemically induced/ MUCUS, secretion/ NAUSEA, chemically induced/ PAIN, chemically induced/ PREGNANCY/ QUINESTROL, administration & dosage/ QUINESTROL, adverse effects/ QUINGESTANOL, administration & dosage/ QUINGESTANOL, adverse effects/ UTERINE HEMORRHAGE, chemically induced/ VAGINAL SMEARS/ VOMITING, chemically induced

3169. **Ruckhäberle B, Bilek K, Ruckhäberle KE:** Ovarialtumoren und Gravidität.
Zentralbl Gynaekol 94:1729-36, 16 Dec 72 (Ger)
ABORTION/ ADOLESCENCE/ ADULT/ CORPUS LUTEUM CYST, pathology/ CYSTADENOCARCINOMA, pathology/ CYSTADENOMA, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LAPAROTOMY/ *OVARIAN CYSTS, complications/ OVARIAN CYSTS, pathology/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ PAROVARIAN CYST, pathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, occurrence/ PROGNOSIS/ TERATOID TUMOR, pathology

3170. **Rudali G, Coezy E, Chemama R:** Mammary carcinogenesis in female and male mice receiving contraceptives or gestagens.
J Natl Cancer Inst 49:813-9, Sep 72
ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CASTRATION/ CHLORMADINONE, toxicity/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, toxicity/ ETHYNODIOL DIACETATE, toxicity/ FEMALE/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MESTRANOL, toxicity/ MICE/ MICE, INBRED C3H/ NORETHYNODREL, toxicity/ *PROGESTATIONAL HORMONES, toxicity/ SEX FACTORS

3171. **Rudas B, Wick G, Cole RK:** Serum lipid pattern in chickens of the obese strain.
J Endocrinol 55:609-15, Dec 72
ANIMAL EXPERIMENTS/ BLOOD SUGAR, bio-ynthesis/ *CHICKENS, metabolism/ CHOLESTEROL, blood/ GLYCERIN, blood/ HEPARIN, administration & dosage/ HEPARIN, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ *LIPIDS, blood/ *OBESITY, blood/ PHOSPHOLIPIDS, blood/ PROTHROMBIN TIME/ THYROXINE, pharmacodynamics

3172. **Rudinger J, Pliška V, Krejčí I:** Oxytocin analogs in the analysis of some phases of hormone action.
Recent Prog Horm Res 28:131-72, 1972
*OXYTOCIN/ OXYTOCIN, biosynthesis/ OXYTOCIN, blood/ OXYTOCIN, metabolism/ OXYTOCIN, physiology/ PEPTIDES/ RECEPTORS, HORMONE/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP

3173. **Rudy LW Jr, Heymann MA, Edmunds LH Jr:** Distribution of systemic blood flow during cardiopulmonary bypass.
J Appl Physiol 34:194-200, Feb 73
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ ARM, blood supply/ BLOOD VISCOSITY/ BONE AND BONES, blood supply/ CARDIAC OUTPUT/ CEREBROVASCULAR CIRCULATION/ CORONARY CIRCULATION/ *EXTRACORPOREAL CIRCULATION/ HEART, physiopathology/ HEMATOCRIT/ INTESTINES, blood supply/ KIDNEY, blood supply/ LEG, blood supply/ MACACA/ MICROSPHERES/ MONKEYS/ *REGIONAL BLOOD FLOW/ STOMACH, blood supply/ TIME FACTORS/ VENTRICULAR FIBRILLATION, physiopathology

3174. **Rudyk IN:** Nekotorye pokazateli obmena gistamina i élektrolitov u rozhenits.
Akush Ginekol (Mosk) 48:39-43, Nov 72 (Rus)
ADULT/ BLOOD/ *CALCIUM, blood/ CARBOXY-LYASES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HISTAMINASE, metabolism/ *HISTAMINE, metabolism/ HUMAN/ *LABOR/ PLACENTA, metabolism/ *POTASSIUM, blood/ PREGNANCY/ *SODIUM, blood/ UMBILICAL CORD, metabolism/ VEINS

3175. **Rüegg M, Jaques R:** A simple in vitro method of characterizing narcotic antagonists.
Experientia 28:1525-6, 15 Dec 72
ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, pharmacodynamics/ ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, antagonists & inhibitors/ ARACHIDONIC ACID, pharmacodynamics/ BIOLOGICAL ASSAY/ GUINEA PIGS/ IN VITRO/ JEJUNUM, drug effects/ *MUSCLE CONTRACTION, drug effects/ *NARCOTIC ANTAGONISTS, analysis/ NARCOTIC ANTAGONISTS, pharmacodynamics/ PEROXIDES/ PROSTAGLANDINS, antagonists

& inhibitors/ PROSTAGLANDINS, pharmacodynamics

3176. **Ruitton A, Tell G, David M, et al:** The advantages of combined stimulation by arginine and insulin in the study of the secretion of growth bormone. Rev Eur Etud Clin Biol 17:846-54, Nov 72
ADOLESCENCE/ ANTIGEN-ANTIBODY COMPLEX/ *ARGININE, pharmacodynamics/ BLOOD SUGAR/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ DWARFISM, PITUITARY, blood/ FEMALE/ GLUCOSE, pharmacodynamics/ GROWTH DISORDERS, blood/ HUMAN/ HYPOPITUITARISM, blood/ INFANT/ *INSULIN, pharmacodynamics/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL

3177. **Ruoff M, Ranson JH:** Persistent hypercoagulability after venous mesenteric infarction and oral contraceptive. NY State J Med 73:791-3, 15 Mar 73
ADULT/ *BLOOD COAGULATION DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INFARCTION, chemically induced/ *MESENTERIC VASCULAR OCCLUSION, chemically induced/ *MESENTERIC VEINS

3178. **Rushton DI:** The placenta--an environmental problem. Br Med J 1:344-8, 10 Feb 73
ABORTION/ DECIDUA/ ENDOMETRITIS, pathology/ *ENVIRONMENT/ ESTRIOL, urine/ ESTROGENS, metabolism/ FEMALE/ FIBRIN/ GENETICS/ GONADOTROPINS, CHORIONIC/ HEMATOMA/ HUMAN/ IMMUNOLOGY/ MATERNAL-FETAL EXCHANGE/ MYOCARDIAL INFARCT/ *PLACENTA/ PLACENTA, anatomy & histology/ PLACENTA DISORDERS, pathology/ PREGNANCY/ PREGNANCY, PROLONGED/ STAINS AND STAINING/ THROMBOSIS/ TROPHOBLAST

3179. **Ruskova S, Hlebarova M, Danev S, et al:** Biochemical and morphological studies of the semen from males with diseases of the reproductive system. Andrologie 4:17-24, 1972
ACID PHOSPHATASE, metabolism/ ADOLESCENCE/ ADULT/ ALANINE AMINOTRANSFERASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ BLOOD CELLS/ CALCIUM, metabolism/ *GENITAL DISEASES, MALE, metabolism/ GENITAL DISEASES, MALE, pathology/ HUMAN/ LACTATE DEHYDROGENASE, metabolism/ MALATE DEHYDROGENASE, metabolism/ MALE/ MIDDLE AGE/ POTASSIUM, metabolism/ SEMEN, enzymology/ SEMEN, metabolism/ *SEMEN, pathology/ SODIUM, metabolism/ SPERMATOZOA/ STERILITY, MALE, metabolism/ STERILITY, MALE, pathology

3180. **Russell DH, McVicker TA:** Polyamine biogenesis in the rat mammary gland during pregnancy and lactation. Biochem J 130:71-6, Nov 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXY-LYASES, analysis/ EPITHELIAL CELLS, analysis/ FEMALE/ *LACTATION/ MAMMAE, enzymology/ *MAMMAE, metabolism/ ORNITHINE, analysis/ *POLYAMINES, biosynthesis/ PREGNANCY/ *PREGNANCY, ANIMAL/ PUTRESCINE, analysis/ PUTRESCINE, biosynthesis/ RATS/ RIBONUCLEASE, analysis/ RNA, biosynthesis/ SPERMIDINE, analysis/ SPERMIDINE, biosyntbesis/ SPERMINE, analysis

3181. **Russell TR, Terasaki WL, Appleman MM:** Separate phosphodiesterases for the hydrolysis of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monopbosphate in rat liver. J Biol Chem 248:1334-40, 25 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPUTERS, DIGITAL/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ KINETICS/ LIVER, cytology/ *LIVER, enzymology/ MATHEMATICS/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, isolation & purification/ RATS/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRYPSIN INHIBITORS/ ULTRACENTRIFUGATION/ VIBRATION

3182. **Rütte B von, Heinrich G, Wilhelmi E:** Zur medikamentösen Beeinflussung entzündlich-fibroplastischer Prozesse bei urologischen Affektionen und uroplastiscben Eingriffen. Praxis 61:1613-9, 26 Dec 72 (Ger)
ADHESIONS, prevention & control/ ADULT/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ INFLAMMATION, prevention & control/ MALE/ *OXYPHENBUTAZONE, therapeutic use/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ *PREDNISOLONE, therapeutic use/ *UROLOGIC DISEASES, surgery

3183. **Ruzicka F:** Uber die Ultrraktur menschlicher Metaphasenchromosomen. Humangenetik 17:137-44, 1973 (Ger)
BIOMETRY/ BLOOD CELLS/ CHROMATIDS/ *CHROMOSOMES/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ DNA/ ENGLISH ABSTRACT/ HUMAN/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ *MITOSIS/ MODELS, BIOLOGICAL/ SEX CHROMOSOMES

3184. **Ryan JN, Woessner JF Jr:** Oestradiol inbibits collagen breakdown in tbe involuting rat uterus. Biochem J 127:705-13, May 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATHEPSIN/ CENTRIFUGATION, DENSITY GRADIENT/ *COLLAGEN, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYDROXYPROLINE, metabolism/ LYSOSOMES/ PEPTIDE HYDROLASES, metabolism/ PROLINE, metabolism/ RATS/ UTERUS, drug effects/ UTERUS, enzymology/ *UTERUS, metabolism

3185. **Ryan KJ, Naftolin F, Reddy V, et al:** Estrogen formation in the brain. Am J Obstet Gynecol 114:454-60, 15 Oct 72
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARRIER PROTEINS/ CYTOSOL, metabolism/ ESTRADIOL, biosynthesis/ *ESTRONE, biosynthesis/ FEMALE/ FETUS/ *FRONTAL LOBE, metabolism/ *HIPPOCAMPUS, metabolism/ HUMAN/ *HYPOTHALAMUS, metabolism/ IN VITRO/ *17-KETOSTEROIDS, metabolism/ MACACA/ MALE/ METHYLATION/ MONKEYS/ *PITUITARY GLAND, metabolism/ PROTEIN BINDING/ RABBITS/ RATS/ TESTOSTERONE, metabolism

3186. **Ryan M, Egbert B, Ziegler DK:** Myasthenia gravis and immunity. A review of basic mechanisms. J Kans Med Soc 74:72-7, Mar 73
ADULT/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ AUTOIMMUNE DISEASES/ CORTICOTROPIN, therapeutic use/ DISEASE MODELS, ANIMAL/ FEMALE/ GAMMA GLOBULIN, analysis/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ MUSCLES, immunology/ MUSCULAR DISEASES, complications/ MUSCULAR DISEASES, immunology/ MYASTHENIA GRAVIS, etiology/ *MYASTHENIA GRAVIS, immunology/ MYASTHENIA GRAVIS, therapy/ PREGNANCY/ PROTEIN BINDING/ THYMECTOMY/ *THYMUS GLAND, immunology/ THYMUS GLAND, radiation effects

3187. **Rybakowa M, Jakób-Doleżal K, Knychalska-Karwan Z, et al:** Stan jamy ustnej u dzieci z niedomogą podwzgórzowo-przysadkową.
Czas Stomatol 26:45-53, Jan 73 (Pol)
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GINGIVA, abnormalities/ GINGIVAL HYPERTROPHY, pathology/ HUMAN/ *HYPOPITUITARISM, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ MALOCCLUSION/ *ORAL MANIFESTATIONS/ TOOTH ABNORMALITIES/ TOOTH ERUPTION

3188. **Ryder-Davies P, Hime JM:** Hypertrophic osteoarthropathy in a gibbon (Hylobates lar).
J Small Anim Pract 13:655-8, Nov 72
ADENOCARCINOMA, complications/ ANIMAL EXPERIMENTS/ *APES/ BONE AND BONES, pathology/ FORELIMB, radiography/ HINDLIMB, radiography/ LIVER FUNCTION TESTS/ LUNG, pathology/ MALE/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, pathology/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, radiography/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, veterinary/ PANCREATIC NEOPLASMS, complications

3189. **Ryffel G, Weber R:** Changes in the pattern of RNA synthesis in different tissues of Xenopus larvae during induced metamorphosis.
Exp Cell Res 77:79-88, 15 Mar 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUANOSINE, metabolism/ HINDLIMB/ LARVA, growth & development/ *LIVER, metabolism/ *METAMORPHOSIS, BIOLOGICAL/ MOLECULAR WEIGHT/ *MUSCLES, metabolism/ *RNA, biosynthesis/ RNA, isolation & purification/ RNA, RIBOSOMAL, biosynthesis/ RNA, RIBOSOMAL, metabolism/ STIMULATION, CHEMICAL/ TAIL/ THYROXINE, administration & dosage/ THYROXINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism/ *XENOPUS, growth & development

3190. **Ryżewski J, Lipski S:** Corticosteroids level in rat blood with adjuvant-induced polyarthritis.
Bull Acad Pol Sci [Biol] 20:903-6, 1972
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ ARTHRITIS, blood/ *ARTHRITIS, immunology/ *FREUND'S ADJUVANT/ MALE/ RATS

3191. **Ryzhenkov VE:** Reaktsii sistemy gipofiz--kora nadpochechnikov na razdrazhiteli v usloviiakh blokady sinteza katekholaminov i serotonina.
Farmakol Toksikol 35:560-3, Sep-Oct 72 (Rus)
ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ ENGLISH ABSTRACT/ *11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, physiology/ *PITUITARY-ADRENAL SYSTEM/ RATS/ *SEROTONIN, physiology/ STRESS

3192. **Ryzhenkov VE, Sapronov NS:** Vliianie glukokortikoidov i AKTG na vozbudimost' gipotalamusa i limbicheskikh obrazovanii mozga sobak.
Farmakol Toksikol 35:556-60, Sep-Oct 72 (Rus)
*AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ FRONTAL LOBE, physiology/ *HIPPOCAMPUS, drug effects/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ 11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ IMMOBILIZATION/ INJECTIONS, INTRAVENOUS/ MALE/ MICROINJECTIONS/ REACTION TIME, drug effects/ STIMULATION, CHEMICAL

S

3193. **Saad FA, Ajzen H, Ramos OL:** Juxtaglomerular index (JGI) and extractable renin in uninephrectomized and hydronephrotic rats.
Acta Physiol Lat Am 22:171-80, 1972
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BODY WEIGHT/ CYTOPLASMIC GRANULES/ *HYDRONEPHROSIS, physiopathology/ HYPERTROPHY/ *JUXTAGLOMERULAR APPARATUS, physiopathology/ KIDNEY, analysis/ MALE/ *NEPHRECTOMY/ ORGAN WEIGHT/ POTASSIUM, blood/ RATS/ RENIN, analysis/ *RENIN, metabolism/ SODIUM, blood

3194. **Saari JT, Johnson JA:** Build-up of calcium content and contractile force in the rabbit heart.
Can J Physiol Pharmacol 50:1206-10, Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ FEMALE/ *HEART, drug effects/ HEART VENTRICLE, drug effects/ KINETICS/ MALE/ MATHEMATICS/ *MYOCARDIUM, metabolism/ PERFUSION/ RABBITS/ TIME FACTORS

3195. **Saatov T:** Absoliutnoe soderzhanie tireoglobulina i drugikh belkov v shchitovidnoĭ zheleze v norme i pri tireoidnoĭ patologii.
Probl Endokrinol (Mosk) 18:81-6, Nov-Dec 72 (Rus)
ENGLISH ABSTRACT/ *GOITER, EXOPHTHALMIC, metabolism/ *GOITER, NODULAR, metabolism/ HUMAN/ *PROTEINS, metabolism/ *THYROGLOBULIN, metabolism/ *THYROID GLAND, metabolism

3196. **Sabaev VV, Shashkov VS, Sergeev PV, et al:** Vliianie radioprotektorov na funktsional'noe sostoianie gisto-gematicheskikh bar'erov pri ogranichenii podvizhnosti zhivotnykh.
Kosm Biol Med 6:7-10, Jan-Feb 72 (Rus)
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL TRANSPORT, drug effects/ BLOOD/ *BLOOD-BRAIN BARRIER, drug effects/ *CYSTAMINE, pharmacodynamics/ ENGLISH ABSTRACT/ *IMMOBILIZATION/ *INDOLES, pharmacodynamics/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ LYMPH NODES, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ RATS/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ SPLEEN, metabolism/ THYMUS GLAND, metabolism

3197. **Saccani F, Becchi G:** La terapia medica della malattia neoplastica. Polichemioterapia e immunostimolazione attiva aspecifica.
Minerva Med 64:71-5, 13 Jan 73 (Ita)
ADJUVANTS, IMMUNOLOGIC, therapeutic use/ ADULT/ ANTIBODY FORMATION/ ANTIGENS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BCG VACCINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMMUNOTHERAPY/ ISOANTIGENS/ MALE/ MIDDLE AGE/ *NEOPLASMS, drug therapy/ NEOPLASMS, immunology/ PREDNISONE, therapeutic use

3198. **Sachar DB, Taub RN, Brown SM, et al:** Impaired lymphocyte responsiveness in inflammatory bowel disease. Gastroenterology 64:203-9, Feb 73
COLITIS, ULCERATIVE, drug therapy/ *COLITIS, ULCERATIVE, immunology/ DEOXYURIDINE/ ENTERITIS, REGIONAL, drug therapy/ *ENTERITIS, REGIONAL, immunology/ HUMAN/ IODINE ISOTOPES/ *LYMPHOCYTE TRANSFORMATION/ PLANT AGGLUTININS/ PREDNISONE, therapeutic use/ SALICYLAZOSULFAPYRIDINE, therapeutic use

3199. **Saeger W, Mitschke H:** Licht- und elektronenoptische Untersuchungen an der Zona glomerulosa der

Rattennebenniere nach Carbenoxolon.
Virchows Arch [Pathol Anat] 358:45-59, 1973 (Ger)
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, pathology/ ALDOSTERONE, biosynthesis/ ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *GLYCYRRHIZA/ GOLGI APPARATUS, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ RATS/ RENIN, blood/ SUCCINATES, pharmacodynamics/ *TERPENES, pharmacodynamics

3200. **Săhleanu V:** Fundamentări endocrinologice ale gîndirii medicale contemporane.
Stud Cercet Endocrinol 23:449-52, 1972 (Rum)
*ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ RUMANIA

3201. **Sai FT:** An analysis of future population pressures.
Proc R Soc Med 66:123-30, Jan 73
ABORTION, LEGAL/ AFRICA/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ DEVELOPING COUNTRIES/ FAMILY PLANNING/ FEMALE/ HUMAN/ INDIA/ MALE/ *POPULATION CONTROL/ *POPULATION GROWTH/ PREGNANCY

3202. **Sainani GS, Jain KL, Deshpande VR, et al:** The status of beta-adrenergic blocking drug "propranolol" in severe tetanus. (A preliminary clinico-experimental report). J Assoc Physicians India 20:789-93, Oct 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DEXAMETHASONE, pharmacodynamics/ FROGS/ HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ IN VITRO/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ *TETANUS, drug therapy/ TETANUS TOXIN, pharmacodynamics

3203. **Sainani GS, Malani BS:** The value of percutaneous thyroid biopsy.
J Assoc Physicians India 20:733-6, Oct 72
ADOLESCENCE/ ADULT/ AGED/ BIOPSY, NEEDLE/ BIOPSY, NEEDLE, adverse effects/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology/ *THYROID GLAND, pathology

3204. **St. Cyr MJ, Sancho JM, Melby JC:** Quantitation of plasma aldosterone by radioimmunoassay.
Clin Chem 18:1395-402, Nov 72
ADULT/ *ALDOSTERONE, blood/ CHARCOAL/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEXTRAN/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ MATHEMATICS/ METHODS/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

3205. **Saint-Martin J, Lebouar Y, Huault G, et al:** Les formes fulminantes des méningococcies de l'enfant. Proposition d'un protocole thérapeutique.
Arch Fr Pediatr 29:469-92, May 72 (Fre)
AMPICILLIN, administration & dosage/ BLOOD TRANSFUSION/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HEPARIN, administration & dosage/ HUMAN/ HYDROCORTISONE, administration & dosage/ INFANT/ INTUBATION/ MALE/ PROGNOSIS/ WATERHOUSE-FRIDERICHSEN SYNDROME, drug therapy/ *WATERHOUSE-FRIDERICHSEN SYNDROME, therapy

3206. **Saito S, Abe K, Nagata N, et al:** Effect of L-dopa on anterior pituitary hormone release in man.
Endocrinol Jap 19:435-42, Oct 72
ADULT/ AGED/ ARGININE, pharmacodynamics/ BLOOD SUGAR, analysis/ *DOPA, pharmacodynamics/ FEMALE/ FSH, blood/ HUMAN/ INSULIN, blood/ INSULIN, pharmacodynamics/ LH, blood/ MALE/ MENSTRUATION/ MIDDLE AGE/ PARKINSONISM, blood/ *PITUITARY HORMONES, ANTERIOR, secretion/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood

3207. **Saito S, Nagata N, Tanaka T, et al:** [TRH and LH-RH]
Clin Endocrinol (Tokyo) 20:775-81, Oct 72 (44 ref.) (Jap)
FEMALE/ GONADOTROPINS, secretion/ HUMAN/ LH/ MALE/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, adverse effects/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PROLACTIN, secretion/ REVIEW/ SHEEP/ SWINE/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, adverse effects/ THYROTROPIN RELEASING FACTOR, diagnostic use

3208. **Sakai KK, Marks BH:** Adrenergic effects on pineal cell membrane potential. Life Sci [I] 11:285-91, 15 Mar 72
ANIMAL EXPERIMENTS/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ *MEMBRANE POTENTIALS, drug effects/ MICROELECTRODES/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PINEAL BODY, drug effects/ *PINEAL BODY, physiology/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *SYMPATHOLYTICS, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics

3209. **Sakiyama H, Robbins PW:** The effect of dibutyryl adenosine 3':5'-cyclic monophosphate on the synthesis of glycolipids by normal and transformed Nil cells. Arch Biochem Biophys 154:407-14, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CLONE CELLS, drug effects/ CLONE CELLS, metabolism/ CONTACT INHIBITION/ EMBRYO/ FIBROBLASTS/ *GLYCOLIPIDS, biosynthesis/ HAMSTERS/ ISOTOPE LABELING/ KINETICS/ LIPIDS, biosynthesis/ ONCOGENIC VIRUSES/ PALMITIC ACID/ PHOSPHOLIPIDS, biosynthesis/ SARCOMA/ THEOPHYLLINE/ TIME FACTORS

3210. **Saksena SK, Harper MJ:** Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone.
Prostaglandins 2:405-11, Nov 72
ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HAMSTERS/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, analysis/ UTERUS, drug effects

3211. **Salabé GB, Fontana S, Andreoli M:** Radioimmunoassay for human antithyroglobulin antibodies. I. The relationship between tanned cell haemagglutination and a double antibody technique.
Hormones 3:1-13, 1972
ANTI-ANTIBODIES, analysis/ *ANTIBODIES, analysis/ ANTIGEN-ANTIBODY REACTIONS/ *AUTOANTIBODIES, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ ERYTHROCYTES, immunology/ GAMMA GLOBULIN, analysis/ *HEMAGGLUTINATION TESTS/ HUMAN/ IMMUNOLOGIC TECHNICS/ IODINE ISOTOPES/ ISOTOPE LABELING/ RABBITS, immunology/

RADIOIMMUNOASSAY/ SUCROSE/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, isolation & purification/ THYROID GLAND, immunology

3212. **Salganik RI, Mertvetsov NP, Argutinskaya SV:** The patterns of RNA synthesis and induction of glycogenic enzymes in rat liver under continuous cortisol administration.
J Steroid Biochem 3:791-7, Sep 72
ADENOSINE MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, metabolism/ CHROMATIN, drug effects/ DNA/ *ENZYME INDUCTION, drug effects/ FRUCTOSE DIPHOSPHATASE, biosynthesis/ GLUCONEOGENESIS, drug effects/ GLUCOSEPHOSPHATASE, biosynthesis/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INSULIN/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ TRITIUM/ TYROSINE AMINOTRANSFERASE, biosynthesis

3213. **Salm R:** Microscopic testicular teratoma with chorionepitheliomatous metastases.
J Pathol 108:91-4, Sep 72
ADULT/ *CHORIOCARCINOMA, pathology/ HEMOPTYSIS, etiology/ HUMAN/ *LUNG NEOPLASMS/ LYMPHATIC METASTASIS/ MALE/ SEX CHROMATIN/ *SPLENIC NEOPLASMS/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology

3214. **Salmon WD Jr:** The problem of hypercalcemia.
South Med J 66:85-91, Jan 73
ADDISON'S DISEASE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIURETICS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, diagnosis/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IMMOBILIZATION/ MILK-ALKALI SYNDROME, diagnosis/ MITHRAMYCIN, therapeutic use/ NEOPLASMS, diagnosis/ SARCOIDOSIS, diagnosis/ VITAMIN D, metabolism

3215. **Salnikow J, Liao TH, Moore S, et al:** Bovine pancreatic deoxyribonuclease A. Isolation, composition, and amino acid sequences of the tryptic and chymotryptic peptides. J Biol Chem 248:1480-8, 25 Feb 73
ALKYLATION/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ AMINOPEPTIDASES/ AUTOANALYSIS/ CARBOXYPEPTIDASES/ CATTLE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ *DEOXYRIBONUCLEASE, analysis/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ GLYCOPEPTIDES, analysis/ MICROCHEMISTRY/ OXIDATION-REDUCTION/ *PANCREAS, enzymology/ PEPTIDES, analysis/ *PEPTIDES, isolation & purification/ THIOCYANATES/ TRYPSIN

3216. **Saltet JF:** Granulomateuze peritonitis als reactie op handschoenpoeder.
Ned Tijdschr Geneeskd 116:1940-4, 21 Oct 72 (Dut)
ENGLISH ABSTRACT/ FOREIGN BODIES/ *GLOVES, SURGICAL/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LUBRICATION/ PERITONITIS, drug therapy/ *PERITONITIS, etiology/ *POSTOPERATIVE COMPLICATIONS/ POWDERS/ STARCH, adverse effects

3217. **Saluja PG, Kwa HG:** Some immunological properties of canine prolactin. Eur J Cancer 8:579-81, Oct 72
CATTLE/ CROSS REACTIONS/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ MICE/ *PROLACTIN/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN/ SWINE

3218. **Salvati A:** La terapia delle leucemie acute. L'opinion del Prof. Franco Mandelli.
Minerva Med 64:170-2, 20 Jan 73 (Ita
ADRIAMYCIN, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use. ASPARAGINASE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG SYNERGISM/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

3219. **Salzman EW, Kensler PC, Levine L:** Cyclic 3',5'-adenosine monophosphate in human blood platelets. IV. Regulatory role of cyclic amp in platele function. Ann NY Acad Sci 201:61-71, 27 Oct 7
ADENINE, metabolism/ ADENOSINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, metabolism/ BLOOD PLATELETS, metabolism/ *BLOOD PLATELETS, physiology/ BUTYRATES, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ HUMAN/ *PLATELET ADHESIVENESS/ PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, metabolism/ PROTEIN BINDING/ TRITIUM

3220. **Samarina AG, Furman GA:** Kandidozy ak osiozhen kortikosteroidnoĭ terapii.
Vestn Dermatol Veneroi 46:43-6, Sep 72 (Ru
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *MONILIASIS, chemically induced/ *SKIN DISEASES, drug therapy

3221. **Sams DJ, Montague W:** The role of adenosine 3':5'-cyclic monophosphate in the regulation of insul release. Properties of islet-cell adenosine 3':5'-cycl monophosphate phosphodiesterase.
Biochem J 129:945-52, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ARGININE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, enzymology/ LEUCINE, pharmacodynamics/ METHODS/ PHOSPHODIESTERASES, analysis/ *PHOSPHODIESTERASES, metabolism/ PURINONES, pharmacodynamics/ SULFONYLUREA COMPOUNDS, pharmacodynamics/ XYLITOL, pharmacodynamics

3222. **Samsonova ML:** Roĭ' gormonov kory nadpochechnik v tormozlashchem deĭstvii imipraminopodobnyk antidepressantov na triptofanpirrolaznuiu aktivnos pecheni krys.
Farmakol Toksikol 35:629-32, Sep-Oct 72 (Ru
*ADRENAL GLANDS, physiology/ *AMITRIPTYLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS/ *DIBENZAZEPINES, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ ENZYME INDUCTION drug effects/ *HYDROCORTISONE, pharmacodynamics/ *11-HYDROXYCORTICOSTEROIDS, blood/ *IMIPRAMINE, pharmacodynamics/ IN VITRO *LIVER, enzymology/ MALE/ PROPYLAMINES, pharmacodynamics/ RATS/

*TRYPTOPHAN OXYGENASE, antagonists & inhibitors

223. **Samuelsson B:** Brook Lodge symposium on prostaglandins. Moderator's summary.
J Reprod Med 9:376-7, Dec 72
HUMAN/ MASS SPECTRUM ANALYSIS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY

224. **Sanbe K, Kamegaya K, Oda M, et al:** [Advances in the treatment of jaundice in the department of internal medicine]
Jap J Clin Med 30:1911-6, Sep 72 (35 ref.) (Jap)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BILIRUBIN, metabolism/ CHOLESTASIS, drug therapy/ FEMALE/ HUMAN/ HYPERBILIRUBINEMIA, drug therapy/ *JAUNDICE, drug therapy/ JAUNDICE, etiology/ PHENOBARBITAL, therapeutic use/ REVIEW/ TOLBUTAMIDE, therapeutic use

225. **Sander S, Jakobsen A, Sander J:** Transplantable breast tumours in rats. Studies on hormone response.
Acta Pathol Microbiol Scand [A] 81:91-4, Jan 73
*ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, pathology/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ CASTRATION/ FEMALE/ *HORMONES, physiology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASM TRANSPLANTATION/ OVARY, physiology/ RATS/ RATS, INBRED STRAINS/ TRANSPLANTATION, HOMOLOGOUS

226. **Sander W, Uteg KH, Zwahr C:** Uber die Beeinflussung des Gerinnungsfaktors VII durch die oralen Ovulationshemmer Ovosiston, Non-Ovlon und Sequenz-Ovosiston.
Dtsch Gesundheitsw 27:2343-7, 7 Dec 72 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, therapeutic use/ ENGLISH ABSTRACT/ FACTOR VIII, analysis/ *FACTOR VIII, metabolism/ FEMALE/ HEMOPHILIA, drug therapy/ HUMAN

227. **Sanderson C:** Triglyceride metabolism in thyroid disease. Lancet I:547, 10 Mar 73
HUMAN/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, metabolism/ THYROXINE, blood/ *TRIGLYCERIDES, metabolism

228. **Sandhu DK, Sandhu RS:** Survey of Aspergillus species associated with the human respiratory tract.
Mycopathol Mycol Appl 49:77-87, 31 Jan 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ AIR MICROBIOLOGY/ ANTIBIOTICS, therapeutic use/ *ASPERGILLUS, isolation & purification/ BRONCHI, microbiology/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INDIA/ MIDDLE AGE/ OCCUPATIONAL DISEASES, microbiology/ PHARYNX, microbiology/ *RESPIRATORY SYSTEM, microbiology/ RESPIRATORY TRACT DISEASES, drug therapy/ *RESPIRATORY TRACT DISEASES, microbiology/ SPECIES SPECIFICITY/ SPUTUM, microbiology

229. **Sandler SW:** A preliminary report on the management of high risk patients. S Afr Med J 47:23-6, 6 Jan 73
ABORTION, HABITUAL, etiology/ ALKALINE PHOSPHATASE, blood/ BLOOD CELL COUNT/ CERVIX INCOMPETENCE, surgery/ FEMALE/ FOLIC ACID, blood/ FOLIC ACID DEFICIENCY, diagnosis/ GLUCOSE TOLERANCE TEST/ HUMAN/ LEUKOCYTES, enzymology/ MYCOPLASMA INFECTIONS, diagnosis/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY COMPLICATIONS, therapy/ PREGNANCY COMPLICATIONS, INFECTIOUS/ PROTEIN-BOUND IODINE TEST/ TOXOPLASMOSIS, diagnosis/ TOXOPLASMOSIS, CONGENITAL, etiology/ TRICHOMONAS VAGINALIS, isolation & purification/ TRICHOMONAS VAGINITIS, diagnosis/ VAGINAL SMEARS

3230. **Sanford KK, Burris JF, Handleman SR:** Chemical analyses of sera influencing neoplastic transformation in vitro.
J Natl Cancer Inst 49:1553-61, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE, immunology/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ CULTURE MEDIA/ EMBRYO/ FETUS, immunology/ GALACTOSIDASE, blood/ GONADOTROPINS, blood/ HEAT/ HEXOSAMINIDASES, blood/ HORSES, immunology/ HYDROCORTISONE, blood/ *IMMUNE SERUMS, analysis/ INSECTICIDES, ORGANOCHLORINE, blood/ INSULIN, blood/ METALS, blood/ MICE/ MICE, INBRED C3H/ NEOPLASM TRANSPLANTATION/ PHOSPHORUS, blood/ SPECIES SPECIFICITY

3231. **Sankaran MS, Prasad MR:** A critique on the evaluation and mode of action of antiestrogens.
Gynecol Invest 3:142-7, 1972
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ *BINDING, COMPETITIVE/ CLOMIPHENE, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ ETHYLAMINES, pharmacodynamics/ EVALUATION STUDIES/ FEMALE/ METHANE, pharmacodynamics/ PHENOLS, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ STILBENES, pharmacodynamics/ STYRENES, pharmacodynamics/ *UTERUS, drug effects

3232. **Sansone-Bazzano G, Reisner RM, Bazzano G:** A possible mechanism of action of estrogen at the cellular level in a model sebaceous gland.
J Invest Dermatol 59:299-304, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICE/ MICE, INBRED STRAINS/ PENIS/ RATS/ SEBACEOUS GLANDS, analysis/ *SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, metabolism/ STANOLONE, analysis/ STANOLONE, metabolism/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, analysis/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TISSUE CULTURE/ TRITIUM

3233. **Santos RM, Routtenberg A:** Attenuation of brain stimulation self-starvation: adaptation effects.
Physiol Behav 9:831-7, Nov-Dec 72
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CONDITIONING, OPERANT/ EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR/ *FOOD DEPRIVATION/ HUNGER/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *SELF STIMULATION/ STARVATION/ STEREOTAXIC TECHNICS/ STRESS, PSYCHOLOGICAL

3234. **Santti RS, Johansson R:** Some biochemical effects of insulin and steroid hormones on the rat prostate in organ culture. Exp Cell Res 77:111-20, 15 Mar 73
AMINO ACIDS, metabolism/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CHOLESTEROL, pharmacodynamics/ CULTURE MEDIA/ CYPROTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ GLUCOSE, metabolism/ *HYDROCORTISONE, pharmacodynamics/

*INSULIN, pharmacodynamics/ MALE/ ORGAN CULTURE/ OSMOLAR CONCENTRATION/ PREDNISOLONE, pharmacodynamics/ *PROSTATE, drug effects/ PROTEIN PRECURSORS, metabolism/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ *TESTOSTERONE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

3235. **Sanwal R, Khanna SS:** Seasonal changes in the testes of a freshwater fish Channa gachua.
Acta Anat (Basel) 83:139-48, 1972
ANIMAL EXPERIMENTS/ *FISHES, anatomy & histology/ FISHES, physiology/ FRESH WATER/ MALE/ ORGAN WEIGHT/ REPRODUCTION/ SEASONS/ SPERMATOGENESIS/ *TESTIS, anatomy & histology/ TESTIS, cytology/ TESTIS, physiology

3236. **Sanyal MK, Jacobson MA, Meyer RK:** Implantation of blastocysts labeled with (3 H) uridine into the uterus of gonadotropin-treated pseudopregnant prepubertal rats. Biol Reprod 7:207-10, Oct 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ ENDOMETRIUM, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ GONADOTROPINS, pharmacodynamics/ MATERNAL-FETAL EXCHANGE/ *NIDATION/ OVARY/ *OVUM/ OVUM, metabolism/ PREGNANCY/ PREGNANCY, ANIMAL/ PROGESTERONE, pharmacodynamics/ *PSEUDOPREGNANCY/ RATS, INBRED STRAINS/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism/ UTERUS, metabolism

3237. **Saries H, Fouilloux C, Camatte R:** Le traitement de l'ulcère duodénal limité aux méthodes de valeur confirmée. Nouv Presse Med 2:233-6, 27 Jan 73 **(Fre)**
ANTACIDS, therapeutic use/ ASCORBIC ACID, therapeutic use/ BISMUTH, therapeutic use/ DIET THERAPY/ DUODENAL ULCER, drug therapy/ *DUODENAL ULCER, therapy/ ESTROGENS, therapeutic use/ GLYCYRRHIZA, drug effects/ HISTIDINE, therapeutic use/ HUMAN/ METHODS/ PAIN/ PARASYMPATHOLYTICS, therapeutic use/ PLACEBOS/ REST/ SMOKING

3238. **Sartor P:** Athrocytose du bleu trypan par l'endomètre de la rattie. Données morphologiques et dynamiques résultant des variations de l'état hormonal.
C R Soc Biol (Paris) 166:577-80, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *CASTRATION/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, enzymology/ ENDOMETRIUM, physiology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS/ *LACTATION/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RATS/ STERILIZATION, SEXUAL/ TIME FACTORS/ *TRYPAN BLUE

3239. **Sartwell PE, Arthes FG, Tonascia JA:** Epidemiology of benign breast lesions: lack of association with oral contraceptive use. N Engl J Med 288:551-4, 15 Mar 73
ADENOFIBROMA, chemically induced/ ADENOFIBROMA, occurrence/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BREAST DISEASES, occurrence/ BREAST NEOPLASMS, chemically induced/ *BREAST NEOPLASMS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ CYSTS, chemically induced/ CYSTS, occurrence/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MARYLAND/ MENARCHE/ MENOPAUSE/ MIDDLE AGE/ PARITY/ TIME FACTORS

3240. **Sas M:** A petefészek generatív működésének serkentése gyógyszeres kezeléssel.
Orv Hetil 114:483-9, 4 Mar 73 **(Hun)**
*ENDOCRINE DISEASES, drug therapy/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *OVARY, drug effects

3241. **Sasse W, Krupke HJ, Hartung W:** Plasmocytose der Schilddrüse.
Chirurg 44:52-4, Feb 73 **(Ger)**
AGED/ DYSPNEA, etiology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PLASMACYTOMA, pathology/ PLASMACYTOMA, radiotherapy/ *PLASMACYTOMA, surgery/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiotherapy/ *THYROID NEOPLASMS, surgery

3242. **Sassoon HF, Dror Y, Watson JJ, et al:** Dietary regulation of liver glucose-6-phosphate dehydrogenase in the rat: starvation and dietary carbohydrate induction. J Nutr 103:321-35, Mar 7
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ CIRCADIAN RHYTHM/ CYCLOHEXIMIDE, pharmacodynamics/ *CYTOPLASM, enzymology/ DACTINOMYCIN, pharmacodynamics/ *DIETARY CARBOHYDRATES/ DIETARY CARBOHYDRATES, administration & dosage/ DIETARY FATS/ ENZYME INDUCTION/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ LIVER, anatomy & histology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *MITOCHONDRIA, LIVER, enzymology/ ORGAN WEIGHT/ PHOSPHOGLUCONATE DEHYDROGENASE, metabolism/ PYRUVATE KINASE, metabolism/ RATS/ RNA, MESSENGER, biosynthesis/ STARVATION/ SUCROSE, pharmacodynamics

3243. **Sato T, Tauchi H:** [Age difference in the cortisone-induced changes of the mice hepatic cells. I Cytological and histochemical studies]
Jap J Geriatr 9:357-63, Nov 72 **(Jap**
*AGING/ ANIMAL EXPERIMENTS/ CELL COUNT/ *CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ KARYOMETRY/ *LIVER, cytology/ LIVER, enzymology/ MICE/ PHOSPHOGLUCOMUTASE metabolism/ SUCCINATE DEHYDROGENASE, metabolism

3244. **Sato T, Yamamoto S, Morol K:** The metabolism an placental transfer of isocarboxazid in pregnant rat
Jap J Pharmacol 22:629-33, Oct 72
ADMINISTRATION, ORAL/ AMNIOTIC FLUII analysis/ ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, metabolism/ BRAIN, enzymology/ BRAIN CHEMISTRY/ DEPRESSION, CHEMICAL/ FEMALE/ FETUS, metabolism/ HYDRAZINES, metabolism/ ISOCARBOXAZID, administration & dosage/ *ISOCARBOXAZID, metabolism/ ISOCARBOXAZID, pharmacodynamics/ LIVER, enzymology/ LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ MONOAMINE OXIDASE, metabolism/ PLACENTA, enzymology/ PLACENTA, metabolism/ PREGNANCY/ RATS/ UTERUS, enzymology/ UTERUS, metabolism

3245. **Sato Y, Maruyama M:** The inhibition of tryptopha pyrrolase synthesis in rat liver by carbon tetrachloride. J Biochem (Tokyo) 72:1129-37, Nov 7
ACTINOMYCIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARBON TETRACHLORIDE pharmacodynamics/ DEPRESSION, CHEMICAL ENZYME INDUCTION/ *LIVER, enzymology/ MALE/ NITRILES, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ RATS/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRYPTOPHAN, pharmacodynamics/ *TRYPTOPHAN OXYGENASE, biosynthesis

3246. **Satomi Y, Okamoto S:** [Hormonal treatment of ren cell carcinoma]
Jap J Urol 63:939-50, Nov 72 **(Jap**
*ADENOCARCINOMA, drug therapy/ ADULT/ AGED/ *BETAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, drug therapy/ MALE *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ *TESTOSTERONE, therapeutic use

3247. Satre M, Colobert L: Propriétés de la protéine fixatrice de l'AMP-cyclique du cortex surrénal de bauf. C R Acad Sci [D] (Paris) 275:125-8, 3 Jul 72 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADRENAL GLANDS, metabolism/ BINDING SITES/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ KINETICS/ METHODS/ POTASSIUM CHLORIDE, pharmacodynamics/ *PROTEIN BINDING/ TEMPERATURE/ TRITIUM

3248. Sauer LA: An NAD- and NADP-dependent malic enzyme with regulatory properties in rat liver and adrenal cortex mitochondrial fractions.
Biochem Biophys Res Commun 50:524-31, 23 Jan 73
ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ GEL FILTRATION/ KINETICS/ *MALATE DEHYDROGENASE, analysis/ MALATES, analysis/ MALE/ *MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, enzymology/ NAD/ NADP/ OXIDATION-REDUCTION/ RATS/ SUCCINATES, analysis/ SUCCINATES, pharmacodynamics

3249. Savel'eva AV: Vliianie retaholila na sistemu gemokoaguliatsii.
Farmakol Toksikol 36:62-4, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ *BLOOD COAGULATION, drug effects/ ENGLISH ABSTRACT/ HEPARIN, metabolism/ *NANDROLONE, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ RABBITS

3250. Savin JA, Alexander S, Marks R: A rosacea-like eruption of children. Br J Dermatol 87:425-9, Nov 72
BETAMETHASONE, administration & dosage/ BETAMETHASONE, adverse effects/ CHILD/ CHILD, PRESCHOOL/ *DERMATITIS, ATOPIC/ *DERMATITIS MEDICAMENTOSA/ *FACIAL DERMATOSES/ FEMALE/ FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, adverse effects/ HUMAN/ INFANT/ MALE/ *ROSACEA/ VALERATES, administration & dosage/ VALERATES, adverse effects

3251. Savina EA, Podymov VK: Morfologiia kory nadpochechnikov posle vozdeĭstviia poperechno napravlennykh uskoreniĭ prodolzhitel'nost'iu do 24 chasov.
Kosm Biol Med 6:14-9, Jan-Feb 72 (Rus)
*ACCELERATION/ ACID PHOSPHATASE, metabolism/ ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ MALE/ RATS/ RNA, metabolism/ TIME FACTORS

3252. Savina LV, Vshivkova NF: Primenenie inderala u bol'noĭ diffuznym toksicheskim zobom s trepetaniem predserdiĭ.
Probl Endokrinol (Mosk) 18:49-50, Nov-Dec 72 (Rus)
ADULT/ *AURICULAR FLUTTER, drug therapy/ AURICULAR FLUTTER, etiology/ CASE REPORT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HUMAN/ *PROPRANOLOL, therapeutic use

3253. Sawano S, Saito T, Shizume K, et al: Simultaneous determinations of plasma ACTH and GH levels after an oral metyrapone. Endocrinol Jap 19:477-81, Oct 72
ADMINISTRATION, ORAL/ ADULT/ *CORTICOTROPIN, blood/ FEEDBACK/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *METYRAPONE, administration & dosage/ METYRAPONE, pharmacodynamics/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS

3254. Sawhney AN, Toschkov A: Cytopathogenicity of contagious pustular dermatitis virus in primary cell culture with special reference to the formation of intracytoplasmic inclusions.
Indian J Exp Biol 10:234-5, May 72
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CYTOPATHOGENIC EFFECT, VIRAL/ *ECTHYMA, CONTAGIOUS, microbiology/ *INCLUSION BODIES, VIRAL/ *POXVIRUS/ SHEEP/ TESTIS, microbiology

3255. Sayers G, Beall RJ: Isolated adrenal cortex cells: hypersensitivity to adrenocorticotropic hormone after hypophysectomy. Science 179:1330-1, 30 Mar 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOPHYSECTOMY/ IN VITRO/ *PITUITARY GLAND, physiology/ RATS

3256. Scanes CG, Follett BK, Goos HJ: Cross-reaction in a chicken LH radioimmunoassay with plasma and pituitary extracts form various species.
Gen Comp Endocrinol 19:596-600, Dec 72
ANIMAL EXPERIMENTS/ BIRDS/ CHICKENS/ CROSS REACTIONS/ FEMALE/ GUINEA PIGS/ IODINE ISOTOPES/ *LH, analysis/ MALE/ *PITUITARY GLAND/ *RADIOIMMUNOASSAY/ RATS/ REPTILES/ SPECIES SPECIFICITY/ TISSUE EXTRACTS

3257. Scapagnini U, Preziosi P: Receptor involvement in the central noradrenergic inhibition of ACTH secretion in the rat. Neuropharmacology 12:57-62, Jan 73
*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ IPRONIAZID, pharmacodynamics/ LAPAROTOMY/ MALE/ PHENTOLAMINE, administration & dosage/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC/ TIME FACTORS

3258. Scemama A: Evolution post-natale des releasing factors hypothalamiques.
J Physiol (Paris) 65:Suppl:298A, Oct 72 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, secretion/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ RATS

3259. Schally AV, Kastin AJ, Arimura A: The hypothalamus and reproduction.
Am J Obstet Gynecol 114:423-42, 1 Oct 72 (118 ref.)
ANIMAL EXPERIMENTS/ CHEMISTRY/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FSH, chem synthesis/ FSH, secretion/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, physiology/ LH, chem synthesis/ LH, isolation & purification/ LH, secretion/ LH, therapeutic use/ OVARY, physiology/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PROGESTERONE, pharmacodynamics/ *REPRODUCTION/ REVIEW/ STERILITY, drug therapy/ STIMULATION, CHEMICAL

3260. Schane HP, Anzalone AJ, Potts GO: A model for the evaluation of estrogens: withdrawal bleeding in ovariectomized rhesus monkeys.
Fertil Steril 23:745-50, Oct 72
ADMINISTRATION, ORAL/ ANIMAL

EXPERIMENTS/ *CASTRATION/ DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, administration & dosage/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRONE, administration & dosage/ ESTRONE, pharmacodynamics/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MACACA/ MESTRANOL, administration & dosage/ MESTRANOL, pharmacodynamics/ MONKEYS/ OVARY, physiology/ PYRAZOLES, administration & dosage/ PYRAZOLES, pharmacodynamics/ *UTERINE HEMORRHAGE, chemically induced

3261. **Schapira G:** Bases moleculaires de la pathologie. Conclusions generales. Biochimie 54:803-6, 1972 **(Fre)**
DNA/ *ENZYMES, biosynthesis/ *GENETIC CODE/ GENETIC INTERVENTION/ HUMAN/ *METABOLISM, INBORN ERRORS/ NEOPLASMS, enzymology/ PHARMACOGENETICS/ SEX DETERMINATION/ TRANSDUCTION, GENETIC

3262. **Scharkoff T, Jänchen M:** Steroide Antikonzeptiva und Sarkoidose.
Z Erkr Atmungsorgane 137:61-73, 1972 **(Ger)**
ADRENAL GLANDS, physiology/ ADULT/ CHLORMADINONE, adverse effects/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ RECURRENCE/ *SARCOIDOSIS, chemically induced

3263. **Schechter SL, Gold Z, Krulwich TA:** Enzyme induction and repression in Arthrobacter crystallopoietes.
Arch Mikrobiol 85:280-93, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMMONIA-LYASES, metabolism/ *ARTHROBACTER, enzymology/ CULTURE MEDIA/ *ENZYME INDUCTION/ ENZYME INDUCTION, drug effects/ *ENZYME REPRESSION/ ENZYME REPRESSION, drug effects/ GALACTOSIDASE, metabolism/ GLUCOSE, pharmacodynamics/ HISTIDINE, metabolism/ SERINE DEHYDRATASE, metabolism/ SUCCINATES, pharmacodynamics/ TIME FACTORS

3264. **Schellen TM, Beek JM:** The influence of high doses of mesterolone on the spermiogram.
Fertil Steril 23:712-4, Oct 72
ADULT/ ANDROSTANES, administration & dosage/ *ANDROSTANES, pharmacodynamics/ ANDROSTANES, therapeutic use/ FRUCTOSE, analysis/ GONADOTROPINS, urine/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, pharmacodynamics/ HYDROXYSTEROIDS, therapeutic use/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, pharmacodynamics/ KETOSTEROIDS, therapeutic use/ MALE/ MIDDLE AGE/ SEMEN, analysis/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, cytology/ *STERILITY, MALE, drug therapy

3265. **Schenkel-Brunner H, Spiechtna H, Kothbauer H:** Uber das Vorkommen von Hämagglutininen (anti-H und anti-B) beim Flussbarsch (Perca fluviatilis.
Experientia 28:1479, 15 Dec 72 **(Ger)**
ANIMAL EXPERIMENTS/ *ANTIBODIES, analysis/ ENGLISH ABSTRACT/ FEMALE/ *FISHES, immunology/ FRESH WATER/ GONADS, immunology/ GONADS, physiology/ MALE/ SEASONS/ SEX FACTORS

3266. **Scher J, Davey DA, Baillie P, et al:** A comparison of prostaglandin F2 alpha and oxytocin in the induction of labour. S Afr Med J 46:2009-12, 23 Dec 72
ADOLESCENCE/ ADULT/ CERVIX UTERI/ COMPARATIVE STUDY/ DILATATION/ FEMALE/ FETAL MEMBRANES/ HUMAN/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ *OXYTOCIN, administration & dosage/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ TIME FACTORS/ UTERUS, drug effects

3267. **Scherer B, Krämer W:** Influence of niacinamide administration on brain 5-HT and a possible mode of action. Life Sci [I] 11:189-95, 15 Feb 72
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, enzymology/ *BRAIN CHEMISTRY, drug effects/ DEPRESSION, CHEMICAL/ INJECTIONS, INTRAPERITONEAL/ LIVER, enzymology/ MALE/ MOTOR ACTIVITY, drug effects/ NAD, pharmacodynamics/ NICOTINAMIDE, administration & dosage/ *NICOTINAMIDE, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ STIMULATION, CHEMICAL/ TRYPTOPHAN OXYGENASE, biosynthesis

3268. **Schiff D, Colle E, Wells D, et al:** Metabolic aspects of the Beckwith-Wiedemann syndrome.
J Pediatr 82:258-62, Feb 73
ABNORMALITIES, MULTIPLE/ ABNORMALITIES, MULTIPLE, drug therapy/ ADRENAL GLAND DISEASES, drug therapy/ *ADRENAL GLAND DISEASES, metabolism/ BLOOD SUGAR, analysis/ CHILD, PRESCHOOL/ DIAZOXIDE, therapeutic use/ EPINEPHRINE, diagnostic use/ EPINEPHRINE, therapeutic use/ GLUCAGON, diagnostic use/ GLUCOSE, diagnostic use/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ HYPERINSULINISM, metabolism/ HYPOGLYCEMIA, metabolism/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, metabolism/ INSULIN, blood/ KIDNEY DISEASES, drug therapy/ *KIDNEY DISEASES, metabolism/ LEUCINE, diagnostic use/ MALE/ SOMATOTROPIN, blood/ TOLBUTAMIDE, diagnostic use/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ UMBILICUS, abnormalities

3269. **Schiff M Jr, Brown RS, Lytton B:** The role of bilateral nephrectomy in the treatment of hypertension of chronic renal failure. J Urol 109:152-5, Feb 73
ADOLESCENCE/ ADULT/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ BLOOD PRESSURE/ CHILD/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ *HYPERTENSION, RENAL, surgery/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, surgery/ MALE/ *NEPHRECTOMY/ RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS

3270. **Schilling K:** Erfahrungen mit der Anwendung des Beta-Rezeptorenblockers Practolol (Dalzic) in der Anästhesie (Gynäkologie.
Z Prakt Anaesth 7:267-77, Dec 72 **(Ger)**
ACETANILIDE, administration & dosage/ ADOLESCENCE/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ ADULT/ AGED/ *AMINO ALCOHOLS, administration & dosage/ *ANESTHESIA, INHALATION/ ARRHYTHMIA, chemically induced/ BLOOD PRESSURE, drug effects/ DRUG INTERACTIONS/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC DISEASES, surgery/ HEART RATE, drug effects/ HUMAN/ HYSTERECTOMY/ MIDDLE AGE/ PROPYLAMINES, administration & dosage/ RENIN, adverse effects

3271. **Schimke RT:** Control of enzyme levels in mammalian tissues. Adv Enzymol 37:135-87, 1973 (262 ref.)
ACETYL COENZYME A/ ALCOHOL OXIDOREDUCTASES, metabolism/ AMINOLEVULINIC ACID DEHYDRATASE, metabolism/ ANIMAL EXPERIMENTS/

ARGINASE, metabolism/ CATALASE, metabolism/ ENDOPLASMIC RETICULUM, enzymology/ ENZYMES, biosynthesis/ *ENZYMES, metabolism/ GENETICS/ GLUTARATES/ HORMONES, pharmacodynamics/ HORMONES, physiology/ HUMAN/ KINETICS/ LIGASES, metabolism/ LIVER, enzymology/ *MAMMALS, metabolism/ MATHEMATICS/ METHODS/ MEVALONIC ACID/ MOLECULAR BIOLOGY/ OXYGENASES, metabolism/ PROTEINS, biosynthesis/ REVIEW/ TETRAHYDROFOLATE DEHYDROGENASE, metabolism

3272. **Schinella RA:** Jaundice with Dubin-Johnson-Sprinz syndrome precipitated by oral contraceptives.
NY State J Med 72:2810-3, 15 Nov 72
ADULT/ BIOPSY/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *JAUNDICE, CHRONIC IDIOPATHIC, chemically induced/ JAUNDICE, CHRONIC IDIOPATHIC, pathology/ LIVER, pathology/ LIVER FUNCTION TESTS/ SULFOBROMOPHTHALEIN, diagnostic use

3273. **Schirazi MA, Oertel GW:** Schnellbestimmung der Gesamtöstrogene in der Schwangerschaft.
Geburtshilfe Frauenheilkd 32:1027-30, Dec 72 **(Ger)**
AMMONIUM SULFATE/ CHROMATOGRAPHY, ION EXCHANGE/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PHOTOMETRY/ *PREGNANCY

3274. **Schlaegel TF Jr:** Wet snow.
Arch Ophthalmol 89:169-70, Feb 73
ADULT/ CHOROIDITIS, drug therapy/ *CHOROIDITIS, pathology/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ RETINAL DISEASES, drug therapy/ *RETINAL DISEASES, pathology/ *VITREOUS BODY, pathology

3275. **Schlammadinger J, Szabó G, Pólya L:** Theophylline inhibits the transcription of the lac operon in Escherichia coli.
Acta Microbiol Acad Sci Hung 19:43-50, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BACTERIAL PROTEINS, biosynthesis/ CARBON ISOTOPES/ ENZYME INDUCTION/ ENZYME REPRESSION/ *ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ GALACTOSIDASE, metabolism/ LACTOSE, metabolism/ LEUCINE, metabolism/ *OPERON/ RNA, MESSENGER, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ *THEOPHYLLINE, pharmacodynamics/ *TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects

3276. **Schleiermacher E:** Frequency of spontaneous chromosome mutations in spermatogenesis of mice.
Humangenetik 16:115-8, 1972
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ HUMAN/ MALE/ MEIOSIS/ MICE/ *MUTATION/ SEX CHROMOSOMES/ *SPERMATOGENESIS/ TIME FACTORS

3277. **Schlesinger M, Chaouat M:** Modulation of the H-2 antigenicity on the surface of murine peritoneal cells.
Tissue Antigens 2:427-35, 1972
ANIMAL EXPERIMENTS/ BONE MARROW CELLS/ *CELL MEMBRANE, immunology/ CHLORAMPHENICOL, pharmacodynamics/ COLCHICINE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTARABINE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DACTINOMYCIN, pharmacodynamics/ *HISTOCOMPATIBILITY ANTIGENS/ HYDROCORTISONE, pharmacodynamics/ IMMUNE SERUMS/ LYMPH NODES, cytology/ LYMPHOCYTES, immunology/ MICE/ MICE, INBRED AKR/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ PERITONEUM, cytology/ *PERITONEUM, immunology/ PUROMYCIN, pharmacodynamics/ RABBITS, immunology/ SPECIES SPECIFICITY/ SPLEEN, cytology/ VINBLASTINE, pharmacodynamics

3278. **Schleyer H, Cooper DY, Rosenthal O:** Preparation of the heme protein P-450 from the adrenal cortex and some of its properties.
J Biol Chem 247:6103-10, 10 Oct 72
ACETONE/ *ADRENAL GLANDS, analysis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ALCOHOLS, BUTYL/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CARBON MONOXIDE/ CATALYSIS/ CATTLE/ *CYTOCHROME P-450/ CYTOCHROME P-450, isolation & purification/ ELECTRON SPIN RESONANCE/ FERREDOXINS/ FLAVOPROTEINS/ FREEZE DRYING/ HYDROGEN-ION CONCENTRATION/ MACROMOLECULAR SYSTEMS/ MITOCHONDRIA, analysis/ OXIDATION-REDUCTION/ PRECIPITATION/ SPECTROPHOTOMETRY/ STEROID HYDROXYLASES/ SURFACE-ACTIVE AGENTS/ VIBRATION

3279. **Schlierf G:** Was ist gesichert in der Therapie der Hyperlipidämien.
Internist (Berlin) 13:503-6, Dec 72 **(Ger)**
CHOLESTYRAMINE, therapeutic use/ CLOFIBRATE, therapeutic use/ DIET THERAPY/ HUMAN/ HYPERLIPEMIA, drug therapy/ *HYPERLIPEMIA, therapy/ NICOTINIC ACID, therapeutic use/ THYROXINE, therapeutic use/ TRIGLYCERIDES, blood

3280. **Schlöndorff G, Tegtmeier W:** Die Entwicklung des dichotischen Sprachverstehens.
Z Laryngol Rhinol Otol 52:28-31, Jan 73 **(Ger)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD DEVELOPMENT/ *CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ *COGNITION/ DISCRIMINATION LEARNING/ ENGLISH ABSTRACT/ HUMAN/ PUBERTY/ *SPEECH/ VERBAL LEARNING

3281. **Schmidt CR, Tiede D:** Klinische Beobachtungen bei Lichen planus der Mundhöhle.
Dtsch Stomatol 22:820-4, Oct 72 **(Ger)**
ADULT/ AGED/ CHEEK/ CHLOROQUINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, EAST/ HUMAN/ *LICHEN PLANUS, complications/ LICHEN PLANUS, drug therapy/ LICHEN PLANUS, occurrence/ LIP DISEASES, complications/ MALE/ MIDDLE AGE/ MOUTH DISEASES, complications/ *MOUTH NEOPLASMS, etiology/ PALATE/ PANTOTHENIC ACID, therapeutic use/ *PRECANCEROUS CONDITIONS/ PREDNISONE, therapeutic use/ RETROSPECTIVE STUDIES/ TONGUE DISEASES, complications/ VITAMIN A, therapeutic use

3282. **Schmidt P, Binnewies S, Gohlke R, et al:** Zur subakuten Wirkung geringer Konzentrationen chlorierter Athane ohne und mit zusätzlicher Athanolbelastung auf Ratten. I. Biochemische und toxikometrische Aspekte, insbesondere Befunde bei subakuter und chronischer Einwirkung von 1.1.2.2-Tetrachloräthan.
Int Arch Arbeitsmed 30:283-98, 1972 **(Ger)**
AIR/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BODY WEIGHT/ CHLORINE/ CHRONIC DISEASE/ CORTICOTROPIN, metabolism/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ ETHANE/ *ETHYL CHLORIDE, toxicity/ *HYDROCARBONS, HALOGENATED, toxicity/ KIDNEY, metabolism/ LIPIDS, metabolism/ LIVER, metabolism/ MALE/ PITUITARY GLAND, metabolism/ *POISONING, diagnosis/ POISONING, metabolism/ RATS

3283. **Schmidt SY, Lolley RN:** Cyclic-nucleotide phosphodiesterase: an early defect in inherited retinal degeneration of C3H mice.
J Cell Biol 57:117-23, Apr 73

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ KINETICS/ MICE/ MICE, INBRED C3H/ MICE, INBRED DBA/ MICROCHEMISTRY/ *PHOSPHODIESTERASES, metabolism/ PHOTORECEPTORS, growth & development/ RETINA, analysis/ RETINA, enzymology/ *RETINAL DEGENERATION, enzymology/ RETINAL DEGENERATION, familial & genetic/ RETINAL PIGMENTS, analysis/ TISSUE EXTRACTS, analysis

3284. **Schmitt G, Ewen K, Teske HJ:** Gonaden- und Linsendosismessungen am Patienten und Untersucher bei Angiographien der unteren Körperhälfte (Renovasographien, Becken- und Extremitätenarteriographien) mit Metaphosphatglasdosimetern.
Fortschr Geb Roentgenstr Nuklearmed 117:674-80, Dec 72 (Ger)
*ANGIOGRAPHY/ AORTA, ABDOMINAL, radiography/ ENGLISH ABSTRACT/ FEMALE/ FEMORAL ARTERY, radiography/ HUMAN/ ILIAC ARTERY, radiography/ LENS, CRYSTALLINE, radiation effects/ MALE/ OVARY, radiation effects/ PHOSPHATES/ RADIATION DOSAGE/ RENAL ARTERY, radiography/ TESTIS, radiation effects/ TIME FACTORS

3285. **Schmitt P, Midenet M, Karli P:** Fonctionnement des systèmes de renforcement et comportement d'aggression interspécifique du rat: effets de la thiopropérazine.
C R Soc Biol (Paris) 166:928-33, 1972 (Fre)
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRAPERITONEAL/ MALE/ MICE/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ SELF STIMULATION/ *THIOPROPERAZINE, pharmacodynamics

3286. **Schnebli HP, Dukor P:** Plant agglutinins used to distinguish between different classes of mouse lymphocytes. Eur J Immunol 2:607-9, Dec 72
AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ CORTISONE/ DRUG RESISTANCE/ *B-LYMPHOCYTES/ *T-LYMPHOCYTES/ MICE/ MITOGENS/ *PLANT AGGLUTININS/ SOY BEANS/ WHEAT

3287. **Schneider D:** Twenty-eighth annual meeting of the American Fertility Society. Fed Proc 32:123-9, Feb 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ AUTONOMIC NERVOUS SYSTEM, physiology/ CLOMIPHENE, therapeutic use/ COITUS/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ *FERTILITY/ FERTILIZATION/ HUMAN/ IMMUNIZATION/ LEARNING/ MALE/ MONKEYS/ NIDATION/ *OVARY, physiology/ OVULATION/ *PREGNANCY/ PROTEINS, analysis/ QUINGESTANOL, pharmacodynamics/ SEX HORMONES, physiology/ STERILITY, FEMALE, drug therapy/ UTERUS, analysis/ UTERUS, drug effects/ UTERUS, enzymology/ UTERUS, physiology

3288. **Schneider G, Mulrow PJ:** Regulation of aldosterone production during pregnancy in the rat.
Endocrinology 92:1208-15, Apr 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ALDOSTERONE, analysis/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, analysis/ DIET/ FEMALE/ FETUS, analysis/ KIDNEY, analysis/ MALE/ ORGAN WEIGHT/ PLACENTAL LACTOGEN, pharmacodynamics/ POTASSIUM, blood/ POTASSIUM, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROSTAGLANDINS, blood/ RATS/ RENIN, blood/ SODIUM, blood/ *SODIUM, pharmacodynamics/ SPECIES SPECIFICITY

3289. **Schneider HP, Dahlen HG:** Studies with synthetic LH-releasing hormone in the human. I. Continuous recording of plasma gonadotropins in women following intravenous LRH.
Life Sci [I] 11:623-30, 1 Jul 72
DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, blood/ *FSH, secretion/ GAMMA GLOBULIN/ HUMAN/ INJECTIONS, INTRAVENOUS/ LH, blood/ *LH, secretion/ MENSTRUATION/ OVARY, drug effects/ OVULATION, drug effects/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RADIOIMMUNOASSAY/ SHEEP, immunology/ SPECIES SPECIFICITY/ STIMULATION, CHEMICAL

3290. **Schneider LK:** Interpretation of sex chromosomal RNA synthesis in the opossum, Didelphis virginiana.
Can J Genet Cytol 15:905-9, Dec 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHROMOSOME ABERRATIONS/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ *OPOSSUMS/ *RNA, biosynthesis/ *SEX CHROMOSOMES/ TRITIUM/ URIDINE, metabolism

3291. **Schneider T:** Diabetes through the ages: a salute to insulin. S Afr Med J 46:1394-400, 23 Sep 72
ADRENAL GLANDS, physiology/ ANTIDIABETICS, history/ DIABETES MELLITUS, etiology/ *DIABETES MELLITUS, history/ DIABETES MELLITUS, pathology/ DIABETIC DIET/ EGYPT/ ENGLAND/ GERMANY/ GREECE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 15TH CENT./ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MODERN/ INDIA/ *INSULIN, history/ ISLANDS OF LANGERHANS, pathology/ MEDICINE, HINDU/ ONTARIO/ PARIS/ PITUITARY GLAND, physiology/ POLYURIA, therapy/ SCOTLAND

3292. **Schneider WH:** Blutungsrhythmen als Funktionsausdruck zentraler Regulationsmechanismen des menstruellen Zyklus der Frau.
Wien Klin Wochenschr 85:Suppl 17:1-14, 1973 (Ger)
ADMINISTRATION, ORAL/ AMENORRHEA, drug therapy/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ FEEDBACK/ FEMALE/ HEXESTROL, administration & dosage/ HUMAN/ *MENSTRUATION/ MENSTRUATION, drug effects/ *PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, therapeutic use/ PROGESTERONE, administration & dosage/ TIME FACTORS

3293. **Schneider WP, Murray HC:** Microbiological reduction and resolution of prostaglandins. Synthesis of natural PGF 2 and ent-PGF 2 methyl esters.
J Org Chem 38:397-8, 26 Jan 73
BIOTRANSFORMATION/ ESTERS/ METHYLATION/ OXIDATION-REDUCTION/ *PROSTAGLANDINS/ SACCHAROMYCES CEREVISIAE, metabolism

3294. **Schnur PL, David E, Brown PW Jr, et al:** Adenocarcinoma of the duodenum and the Gardner syndrome. JAMA 223:1229-32, 12 Mar 73
*ADENOCARCINOMA/ ADULT/ AUTOSOME ABNORMALITIES/ *BONE NEOPLASMS/ *DUODENAL NEOPLASMS/ FEMALE/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ INTESTINAL POLYPS, surgery/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ OSTEOMA/

*OSTEOMALACIA, familial & genetic/ PEDIGREE/ *SKIN NEOPLASMS/ SYNDROME

3295. Schnyder UW: Zur Humangenetik der Neurodermitis atopica. Arch Dermatol Forsch 244:347-50, 1972 (Ger)
ASTHMA, metabolism/ ASTHMA, occurrence/ *DERMATITIS, ATOPIC, familial & genetic/ FEMALE/ GENOTYPE/ GERMANY, WEST/ HUMAN/ IGE/ MALE/ *NEURODERMATITIS, familial & genetic/ NEURODERMATITIS, metabolism/ NEURODERMATITIS, occurrence/ PHENOTYPE/ RHINITIS, metabolism/ RHINITIS, occurrence/ SEX CHROMOSOMES

3296. Schochet SS Jr, McCormick WF: Polymyositis with intranuclear inclusions. A light and electron microscopic study. Arch Neurol 28:280-3, Apr 73
ASPARTATE AMINOTRANSFERASE, blood/ BIOPSY/ BLOOD SEDIMENTATION/ *CELL NUCLEUS/ *CELLULAR INCLUSIONS/ CREATINE KINASE, blood/ EOSINOPHILS/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ IMMUNOELECTROPHORESIS/ LACTATE DEHYDROGENASE, blood/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *MUSCLES, pathology/ MYOFIBRILS/ MYOSITIS, drug therapy/ MYOSITIS, enzymology/ *MYOSITIS, pathology/ PREDNISONE, therapeutic use/ SARCOLEMMA

3297. Schoen EJ, Solomon IL, Warner O, et al: Estrogen treatment of tall girls. Am J Dis Child 125:71-4, Jan 73
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ AGE FACTORS/ *BODY HEIGHT, drug effects/ CHILD/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ FEMALE/ *GROWTH DISORDERS, prevention & control/ HEMORRHAGE, chemically induced/ HEMORRHAGE, drug therapy/ HUMAN/ MEDROXYPROGESTERONE, therapeutic use/ MENSTRUATION/ PARENTS/ PUBERTY

3298. Schoental R, Cavanagh JB: Brain and spinal cord tumors in rats treated with pyrrolizidine alkaloids. J Natl Cancer Inst 49:665-71, Sep 72
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ASTROCYTOMA, chemically induced/ ASTROCYTOMA, pathology/ BLADDER, drug effects/ BRAIN, pathology/ *BRAIN NEOPLASMS, chemically induced/ BRAIN NEOPLASMS, pathology/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ LACTATION/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, pathology/ PARAPLEGIA, chemically induced/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PYRROLIZIDINE ALKALOIDS/ PYRROLIZIDINE ALKALOIDS, administration & dosage/ RATS/ SEMINAL VESICLES, drug effects/ SPINAL CORD, pathology/ *SPINAL CORD NEOPLASMS, chemically induced/ SPINAL CORD NEOPLASMS, pathology

3299. Schoental R, Gibbard S: Nasal and other tumours in rats given 3,4,5-trimethoxy-cinnamaldehyde, a derivative of sinapaldehyde and of other, -unsaturated aldehydic wood lignin constituents. Br J Cancer 26:504-5, Dec 72
*ALDEHYDES, toxicity/ ANIMAL EXPERIMENTS/ *CARCINOGENS, toxicity/ CARCINOMA, EPIDERMOID, chemically induced/ *CINNAMATES, toxicity/ MALE/ MESOTHELIOMA, chemically induced/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NOSE NEOPLASMS, chemically induced/ OMENTUM/ PERITONEAL NEOPLASMS, chemically induced/ RATS/ SARCOMA, EXPERIMENTAL, chemically induced/ TESTICULAR NEOPLASMS, chemically induced

3300. Scholler R, Grenier J, Castanier M: Réponse du testicule normal à la stimulation par la gonadotropine chorionique. Taux des stéroïdes dans l'urine, le plasma et le sperme.
Ann Endocrinol (Paris) 33:299-300, May-Jun 72 (Fre)
ADRENAL GLANDS, drug effects/ ADULT/ DEXAMETHASONE, diagnostic use/ ENGLISH ABSTRACT/ ESTRADIOL, analysis/ ESTRADIOL, blood/ ESTRADIOL, secretion/ ESTRADIOL, urine/ *ESTROGENS, analysis/ ESTROGENS, blood/ ESTROGENS, urine/ ESTRONE, analysis/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ MALE/ *SEMEN, analysis/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ TESTIS, metabolism/ TESTIS, secretion/ TESTOSTERONE, blood/ TIME FACTORS

3301. Scholler R, Soldat MC, Avigdor R: Elimination urinaire de l'oestriol au cours de la grossesse. Valeurs normales, variations physiologiques, corrélation avec le poids du nouveau-né.
J Gynecol Obstet Biol Reprod (Paris) 1:592-3, Sep 72 (Fre)
*BIRTH WEIGHT/ *ESTRIOL, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *PREGNANCY

3302. Scholtes G: Das Kropus- oder Endometriumkarzinom.
Med Klin 68:84-90, 19 Jan 73 (Ger)
ADENOCARCINOMA, complications/ *ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, familial & genetic/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiography/ AGE FACTORS/ CYTODIAGNOSIS/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ HYPERTENSION, complications/ LYMPHOGRAPHY/ OBESITY, complications/ PRECANCEROUS CONDITIONS/ PROGESTATIONAL HORMONES, therapeutic use/ UTERINE HEMORRHAGE, etiology/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, familial & genetic/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, radiography/ UTERINE NEOPLASMS, radiotherapy/ UTERINE NEOPLASMS, surgery

3303. Scholz DA, Riggs BL, Purnell DC, et al: Ectopic hyperparathyroidism with renal calculi and subperiosteal bone resorption. Report of case.
Mayo Clin Proc 48:124-6, Feb 73
*BONE RESORPTION, etiology/ CASE REPORT/ FINGERS/ *HODGKIN'S DISEASE, complications/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ *KIDNEY CALCULI, etiology/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

3304. Scholz H, Meyer H: Untersuchungen über die Pathogenese der hypomagnesaemischen Tetanie. II. Veränderungen von Kalzium, Phosphor, Kalium und Natrium in Blut und Liquor cerebrospinalis während der Hypomagnesaemie des Schafes.
Dtsch Tieraerztl Wochenschr 79:615-9, 15 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ *MAGNESIUM DEFICIENCY, veterinary/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ SHEEP/ *SHEEP DISEASES, metabolism/ SODIUM, metabolism/ TETANY, metabolism/ *TETANY, veterinary

3305. Schönhöfer PS, Skidmore IF, Krishna G: Effects of insulin on the lipolytic system of rat fat cells.
Horm Metab Res 4:447-54, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE DIPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/

FLUORIDES, pharmacodynamics/ IN VITRO/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ *LIPIDS, metabolism/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, analysis/ PHOSPHORUS ISOTOPES/ RATS/ TIME FACTORS/ TRITIUM

3306. **Schoonees JA, Kok OV:** Althesin (CT 1341)--a new intravenous anaesthetic agent.
S Afr Med J 47:10-4, 6 Jan 73
ADULT/ *ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, administration & dosage/ ANESTHETICS, adverse effects/ BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ KETONES, administration & dosage/ KETONES, adverse effects/ MALE/ MIDDLE AGE/ PREANESTHETIC MEDICATION/ *PREGNANES, administration & dosage/ PREGNANES, adverse effects/ PULSE, drug effects/ RESPIRATION, drug effects/ SURGERY, MINOR

3307. **Schöpf E:** Nebenwirkungen externer Corticosteroidtherapie.
Hautarzt 23:295-301, Jul 72 (77 ref.) (Ger)
ACNE, chemically induced/ ADIPOSE TISSUE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ATROPHY, chemically induced/ ATROPHY, etiology/ CHEMISTRY, PHARMACEUTICAL/ CHILD, PRESCHOOL/ CICATRIX, chemically induced/ DRUG HYPERSENSITIVITY/ ERYTHEMA, chemically induced/ FEMALE/ HALOGENS/ HUMAN/ HYPERTRICHOSIS, chemically induced/ INFECTION, microbiology/ MIDDLE AGE/ PHOTOSENSITIZATION, chemically induced/ PIGMENTATION DISORDERS, chemically induced/ PURPURA, chemically induced/ REVIEW/ SKIN/ SKIN ABSORPTION/ SKIN DISEASES, drug therapy/ TELANGIECTASIS, chemically induced/ TIME FACTORS/ TINEA VERSICOLOR, complications/ VEHICLES/ WOUND HEALING

3308. **Schramm K:** Körperliche Reifeentwicklung von Mädchen im Entlassschulalter.
Oeff Gesundheitswes 34:611-5, Oct 72 (Ger)
ADOLESCENCE/ AGE FACTORS/ BREAST, growth & development/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GENITALIA, FEMALE/ HAIR/ HUMAN/ MENARCHE/ *PUBERTY

3309. **Schrier RW, Berl T:** Mechanism of effect of alpha adrenergic stimulation with norepinephrine on renal water excretion. J Clin Invest 52:502-11, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *DIURESIS, drug effects/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ HYPOPHYSECTOMY/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ KIDNEY, innervation/ MALE/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, physiology/ VASOPRESSIN, pharmacodynamics/ VASOPRESSIN, physiology

3310. **Schuchner EB, Monastirsky RA:** Neutralization of endogenous luteinizing hormone by antibodies in prepubertal female rats. Fertil Steril 24:107-15, Feb 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ BASEMENT MEMBRANE/ BODY WEIGHT/ CYTOPLASM/ FEMALE/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ IMMUNE SERUMS/ IMMUNITY, PASSIVE/ *IMMUNIZATION/ *LH/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, cytology/ OVARY, enzymology/ PITUITARY GLAND, anatomy & histology/ RABBITS, immunology/ RATS/ TIME FACTORS

3311. **Schuchner EB, Stockert JC:** Filaments and microtubules in the cytoplasm of the granulosa cells from the human follicle. Protoplasma 76:133-7, 1973
*CYTOPLASM/ FEMALE/ *GRAAFIAN FOLLICLE, cytology/ HUMAN/ MICROSCOPY, ELECTRON/ *MICROTUBULES

3312. **Schuller PD, Freedman HL, Lewis DW:** Periodontal status of renal transplant patients receiving immunosuppressive therapy.
J Periodontol 44:167-70, Mar 73
ADULT/ AGE FACTORS/ AZATHIOPRINE, therapeutic use/ DENTAL CALCULUS, complications/ DENTAL PLAQUE, complications/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *PERIODONTAL DISEASES, etiology/ PERIODONTAL INDEX/ PREDNISONE, therapeutic use

3313. **Schulman CC:** Les urétérocèles.
Acta Urol Belg 40:687-719, Jul 72 (Fre)
ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ BLADDER NEOPLASMS, radiography/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ NEUROBLASTOMA, radiography/ RHABDOMYOSARCOMA, radiography/ URETER, abnormalities/ URETERAL CALCULI, radiography/ *URETEROCELE/ URETEROCELE, etiology/ URETEROCELE, radiography/ URETEROCELE, surgery/ UROGRAPHY

3314. **Schulman CC:** Rupture du testicule.
Acta Urol Belg 40:604-6, Jul 72 (Fre)
ATROPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS/ RUPTURE/ TESTICULAR DISEASES, etiology/ *TESTIS, injuries/ TESTIS, surgery/ TIME FACTORS

3315. **Schultz J, Daly JW:** Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. II. The role of phosphodiesterase activity in the regulation of levels of cyclic adenosine 3',5'-monophosphate. J Biol Chem 248:853-9, 10 Feb 73
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BIOGENIC AMINES, antagonists & inhibitors/ BIOGENIC AMINES, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ *CEREBRAL CORTEX, metabolism/ DRUG SYNERGISM/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ VERATRINE, pharmacodynamics/ XANTHINES, pharmacodynamics

3316. **Schultz J, Daly JW:** Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. 3. Formation, degradation, and reformation of cyclic adenosine 3',5'-monophosphate during sequential stimulations by biogenic amines and adenosine. J Biol Chem 248:860-6, 10 Feb 73
ADENINE, metabolism/ *ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *BIOGENIC AMINES, pharmacodynamics/ CARBON ISOTOPES/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ *CEREBRAL CORTEX, metabolism/ DRUG SYNERGISM/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ NOREPINEPHRINE, pharmacodynamics/

PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ TIME FACTORS/ TRITIUM/ VERATRINE, pharmacodynamics

3317. **Schultz J, Daly JW:** Cyclic adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices. I. Formation of cyclic adenosine 3',5'-monophosphate from endogenous adenosine triphosphate and from radioactive adenosine triphosphate formed during a prior incubation with radioactive adenine. J Biol Chem 248:843-52, 10 Feb 73
*ADENINE, metabolism/ ADENINE NUCLEOTIDES, metabolism/ ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ DIFFUSION/ DRUG SYNERGISM/ GUINEA PIGS/ HALF-LIFE/ HISTAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ NOREPINEPHRINE, pharmacodynamics/ SORBITOL, metabolism/ TIME FACTORS/ TRITIUM/ VERATRINE, pharmacodynamics

3318. **Schulz KD, August S, Gasde K, et al:** Studies on the anti-oestrogenic and oestrogen-like action of clomiphene citrate animal experiments. Gynecol Invest 3:135-41, 1972
ANIMAL EXPERIMENTS/ *CLOMIPHENE, pharmacodynamics/ ESTRADIOL, metabolism/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ LEUCINE, metabolism/ OVULATION, drug effects/ PREGNANCY/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ TRITIUM/ *UTERUS, drug effects/ UTERUS, metabolism

3319. **Schumacher HR, Andrews R, McLaughlin G:** Arthropathy in sickle-cell disease. Ann Intern Med 78:203-11, Feb 73
ADOLESCENCE/ ADULT/ *ANEMIA, SICKLE CELL, complications/ ANEMIA, SICKLE CELL, diagnosis/ ANEMIA, SICKLE CELL, pathology/ ANEMIA, SICKLE CELL, radiography/ ARTHRITIS, INFECTIOUS, diagnosis/ BIOPSY, NEEDLE/ BONE AND BONES, radiography/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ERYTHROCYTES, ABNORMAL, cytology/ FEMALE/ GOUT, etiology/ HEMARTHROSIS, etiology/ HUMAN/ JOINT DISEASES, diagnosis/ *JOINT DISEASES, etiology/ JOINT DISEASES, pathology/ MALE/ MICROSCOPY, ELECTRON/ SYNOVIAL FLUID, pathology/ SYNOVIAL MEMBRANE, pathology/ THROMBOSIS, pathology

3320. **Schumacher R, Rao GS, Rao ML, et al:** Steroidglucuronyltransferases. 3. Oestradiol-17 3-glucuronyltransferase of the mitochondria of pig intestine. Hoppe Seylers Z Physiol Chem 353:1784-8, Nov 72
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUFFERS/ CALCIUM, pharmacodynamics/ ENZYME ACTIVATION/ ESTRADIOL/ ESTRONE, analysis/ GLUCOSEPHOSPHATASE, analysis/ GLUCOSEPHOSPHATASE, antagonists & inhibitors/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ INTESTINE, SMALL, enzymology/ MAGNESIUM, pharmacodynamics/ MICROSOMES, enzymology/ *MITOCHONDRIA, enzymology/ SWINE/ TEMPERATURE/ URACIL NUCLEOTIDES, pharmacodynamics

3321. **Schuster DH, Schuster L:** Speculative mechanisms affecting sex ratio. J Genet Psychol 121:245-54, Dec 72
ANIMAL EXPERIMENTS/ ANXIETY/ BODY TEMPERATURE/ FEMALE/ FERTILIZATION/ HOUSING, ANIMAL/ HUMAN/ IMMOBILIZATION/ MALE/ OVUM/ PERSONALITY/ PREGNANCY/ PROBABILITY/ PSYCHOLOGICAL TESTS/ RATS/ SEX DETERMINATION/ *SEX RATIO/ *STRESS, PSYCHOLOGICAL/ TEMPERATURE

3322. **Schwaar R:** Essais en pratique quotidienne du Phlébolan. Praxis 62:108-9, 23 Jan 73 **(Fre)**
AEROSOLS/ CLINICAL RESEARCH/ *DIMETHYL SULFOXIDE, administration & dosage/ DRUG COMBINATIONS/ GENERAL PRACTICE/ HUMAN/ LYMPHANGITIS, drug therapy/ *PHENYLBUTAZONE, administration & dosage/ PHLEBITIS, drug therapy/ *PREDNISOLONE, TOPICAL, therapeutic use/ *RUTIN, administration & dosage/ THROMBOPHLEBITIS, drug therapy/ *VASCULAR DISEASES, drug therapy

3323. **Schwartz B:** Das Hypothalamo-Hypophysen-Nebennierenrinden-System und das Steroid-glaukom. Klin Monatsbl Augenheilkd 161:280-7, Sep 72 **(Ger)**
AGE FACTORS/ AQUEOUS HUMOR/ CLINICAL RESEARCH/ CUSHING'S SYNDROME, physiopathology/ DEXAMETHASONE, diagnostic use/ *DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ GLAUCOMA, diagnosis/ GLAUCOMA, drug therapy/ *GLAUCOMA, physiopathology/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ NEGROID RACE/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ VISUAL FIELDS

3324. **Schwartz HL, Schadlow AR, Falerman D, et al:** Heparin administration appears to decrease cellular binding of thyroxine. J Clin Endocrinol Metab 36:598-600, Mar 73
ADULT/ FEMALE/ HEMODIALYSIS/ *HEPARIN, pharmacodynamics/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ *PROTEIN BINDING, drug effects/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ *THYROXINE, metabolism/ TIME FACTORS/ UREMIA, therapy

3325. **Schwartz NB, Krone K, Talley WL, et al:** Administration of antiserum to ovine FSH in the female rat: failure to influence immediate events of cycle. Endocrinology 92:1165-74, Apr 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ *ESTRUS/ FEMALE/ *FSH/ IMMUNE SERUMS, administration & dosage/ *IMMUNE SERUMS, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ *OVULATION, drug effects/ RABBITS, immunology/ RATS/ SHEEP, immunology/ UTERUS, drug effects

3326. **Schwebel MC, Brookshire RH:** Aphasia complicated by hypercalcemia. J Speech Hear Disord 37:542-7, Nov 72
ADENOMA, complications/ ADENOMA, surgery/ *APHASIA, complications/ CASE REPORT/ HUMAN/ *HYPERCALCEMIA, complications/ *HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery

3327. **Schwinger E:** Non-fluorescent Y chromosome. Lancet I:437, 24 Feb 73
*CHROMOSOME ABERRATIONS/ *FLUORESCENCE/ HUMAN/ KARYOTYPING/ MALE/ *SEX CHROMOSOMES/ SEX DETERMINATION

3328. **Schwinger E:** Unterscheidung von mütterlichem und fetalem Blut bei vaginalen Blutungen. Dtsch Med Wochenschr 98:227-8, 2 Feb 73 **(Ger)**
*BLOOD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FETUS/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ PREGNANCY/ SEX DETERMINATION/ *UTERINE HEMORRHAGE, blood/ UTERINE HEMORRHAGE, diagnosis

3329. **Scott-Burden T, Hawtrey AO**: Further in vitro studies on the reattachment of ribosomes to ribosome-free membranes.
Hoppe Seylers Z Physiol Chem 353:1727-34, Nov 72
ADHESIVENESS/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ *CELL MEMBRANE, physiology/ CELLS, CULTURED/ CHLORIDES, pharmacodynamics/ ENDOPLASMIC RETICULUM, metabolism/ *ENDOPLASMIC RETICULUM, physiology/ ESTRADIOL, pharmacodynamics/ IN VITRO/ LITHIUM, pharmacodynamics/ *LIVER, cytology/ POLYRIBOSOMES, metabolism/ POLYRIBOSOMES, physiology/ RATS/ *RIBOSOMES, physiology/ RNA, metabolism/ SERUM ALBUMIN, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

3330. **Scratcherd T, Case RM**: The secretion of electrolytes by the pancreas.
Am J Clin Nutr 26:326-39 Mar 73 (60 ref.)
ACETAZOLAMIDE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ BICARBONATES, pharmacodynamics/ BICARBONATES, secretion/ BLOOD/ CALCIUM, metabolism/ CALCIUM, secretion/ CHLORIDES, metabolism/ CHLORIDES, secretion/ HUMAN/ OSMOLAR CONCENTRATION/ PANCREAS, drug effects/ PANCREAS, enzymology/ *PANCREAS, secretion/ PANCREATIC JUICE, metabolism/ *PANCREATIC JUICE, secretion/ POTASSIUM, metabolism/ POTASSIUM, secretion/ REVIEW/ SECRETIN, pharmacodynamics/ SECRETORY RATE/ SODIUM, metabolism/ SODIUM, secretion

3331. **Scribner JD, Slaga TJ**: Multiple effects of dexamethasone on protein synthesis and hyperplasia caused by a tumor promoter.
Cancer Res 33:542-6, Mar 73
ALCOHOLS/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CARCINOGENS/ CYTIDINE, metabolism/ CYTOSOL, analysis/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ DNA, NEOPLASM, biosynthesis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FATTY ACIDS/ FEMALE/ HYPERPLASIA/ LEUCINE, metabolism/ MICE/ MICE, INBRED STRAINS/ *NEOPLASM PROTEINS, biosynthesis/ NEOPLASMS, EXPERIMENTAL/ PROTEINS, analysis/ PROTEINS, biosynthesis/ RNA, NEOPLASM, biosynthesis/ SKIN, analysis/ SKIN, metabolism/ *SKIN NEOPLASMS, chemically induced/ SKIN NEOPLASMS, metabolism/ SKIN NEOPLASMS, pathology/ SPECTROPHOTOMETRY/ TERPENES/ THYMIDINE, metabolism

3332. **Seamark RF, Tenbner J, Gardiner J, et al**: Progestins and progestin metabolites in ovine fetal blood.
J Reprod Fertil 32:329-30, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ *FETUS, metabolism/ HYDROXYPROGESTERONE, blood/ *PROGESTATIONAL HORMONES, blood/ PROGESTERONE, blood/ PROTEIN BINDING/ SHEEP

3333. **Sebranek JG, Marple DN, Cassens RG, et al**: Adrenal response to ACTH in the pig.
J Anim Sci 36:41-4, Jan 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, blood/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ PITUITARY GLAND, drug effects/ STRESS, physiopathology/ STRESS, veterinary/ *SWINE, physiology/ SWINE DISEASES, physiopathology

3334. **Seebohm PM**: Management of respiratory allergy by nonallergists. 1. Allergic rhinitis.
Postgrad Med 53:52-6, Mar 73
AEROSOLS/ AIR CONDITIONING/ *ANTIHISTAMINICS, therapeutic use/ CHLORPHENIRAMINE, therapeutic use/ DESENSITIZATION/ DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ DUST/ HAY FEVER, drug therapy/ *HAY FEVER, therapy/ HUMAN/ *IMMUNOTHERAPY/ POLLEN/ TRIPROLIDINE, therapeutic use/ *VASOCONSTRICTOR AGENTS, NASAL, therapeutic use

3335. **Seebohm PM**: Management of respiratory allergy by nonallergists. 2. Asthma
Postgrad Med 53:63-6, Mar 73
AEROSOLS/ ALLERGENS/ AMINOPHYLLINE, therapeutic use/ *ANALEPTICS, therapeutic use/ ASTHMA, drug therapy/ *ASTHMA, therapy/ *BRONCHODILATOR AGENTS, therapeutic use/ EPHEDRINE, therapeutic use/ EPINEPHRINE, therapeutic use/ HUMAN/ *IMMUNOTHERAPY/ ISOPROTERENOL, therapeutic use/ POTASSIUM IODIDE, therapeutic use/ *PREDNISONE, therapeutic use/ THEOPHYLLINE, therapeutic use

3336. **Seegmiller JE**: Molecular aspects of the Lesch-Nyhan syndrome.
Biochimie 54:703-8, 1972
CELLS, CULTURED/ FEEDBACK/ FEMALE/ FETAL DISEASES, diagnosis/ FIBROBLASTS, analysis/ GENES, STRUCTURAL/ GUANOSINE/ HUMAN/ HYPOXANTHINES/ LESCH NYHAN SYNDROME, enzymology/ *LESCH-NYHAN SYNDROME, metabolism/ MOSAICISM/ MUTATION/ *PENTOSYLTRANSFERASES, metabolism/ PREGNANCY/ SEX CHROMOSOME ABNORMALITIES

3337. **Seelig S, Sayers G**: Isolated adrenal cortex cells: ACTH agonists, partial agonists, antagonists, cyclic AMP and corticosterone production.
Arch Biochem Biophys 154:230-9, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ AMIDES, pharmacodynamics/ CARBON ISOTOPES/ CELLS, drug effects/ CELLS, metabolism/ CORTICOSTERONE, antagonists & inhibitors/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ LYSINE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE

3338. **Seeman P, Chau-Wong M, Moyyen S**: Adsorption and conduction-block of opiate narcotics on nerve membranes: identical effects of levo- and dextro-forms.
Can J Physiol Pharmacol 50:1181-92, Dec 72
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ CARBON ISOTOPES/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ GUINEA PIGS/ HYPOTHALAMUS, metabolism/ IN VITRO/ ISOMERISM/ LEVORPHANOL, pharmacodynamics/ MEDULLA OBLONGATA, metabolism/ *MEMBRANES, drug effects/ METHADONE, analysis/ METHADONE, metabolism/ METHADONE, pharmacodynamics/ *MORPHINANS, pharmacodynamics/ NEURAL CONDUCTION, drug effects/ NEURONS, cytology/ *NEURONS, drug effects/ SYNAPTOSOMES, metabolism THALAMUS, metabolism/ TRITIUM

3339. **Segal HL**: Enzymatic interconversion of active and inactive forms of enzymes.
Science 180:25-32, 6 Apr 73 (119 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE MONOPHOSPHATE, metabolism/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ ENZYME ACTIVATION, drug effects/ *ENZYMES, metabolism/ EPINEPHRINE, pharmacodynamics/

ESCHERICHIA COLI, enzymology/ GLUCAGON, pharmacodynamics/ GLUTAMINE SYNTHETASE, metabolism/ GLYCOGEN, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ HISTONES, metabolism/ LIPASE, metabolism/ LIVER, enzymology/ MUSCLES, enzymology/ NUCLEOTIDYLTRANSFERASES, metabolism/ PHOSPHORYLASE KINASE, metabolism/ PHOSPHOTRANSFERASES, metabolism/ POLYNUCLEOTIDE PHOSPHORYLASE, metabolism/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ REVIEW/ RNA POLYMERASE, metabolism/ TRANSFERASES, metabolism

3340. **Seggie J, Brown GM:** Effect of dexamethasone on affective behavior and adrenal reactivity following septal lesions in the rat.
J Comp Physiol Psychol 82:60-5, Jan 73
*ADRENAL GLANDS, secretion/ *AFFECT, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ *DEXAMETHASONE, pharmacodynamics/ HOME RANGE/ HOUSING, ANIMAL/ IMMOBILIZATION/ MALE/ MOTOR ACTIVITY/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, secretion/ PSYCHOPHYSIOLOGY/ RATS/ SECRETORY RATE, drug effects/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology/ STARTLE REACTION, drug effects

3341. **Seidel H:** Klinik der Pleuraerkrankungen.
Prax Pneumol 26:612-20, Nov 72 (Ger)
ENGLISH ABSTRACT/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ MEIGS' SYNDROME, complications/ MYXEDEMA, complications/ PERICARDITIS, CONSTRICTIVE, complications/ *PLEURAL DISEASES, diagnosis/ PLEURAL EFFUSION, etiology

3342. **Seki K:** Serum follicle stimulating hormone and luteinizing hormone levels in women of various endocrinological states.
Acta Obstet Gynaecol Jap 19:25-32, Jan 72
CASTRATION/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MENSTRUATION/ *OVULATION/ RADIOIMMUNOASSAY/ *STERILITY, FEMALE, blood

3343. **Sekihara H, Osawa N, Ibayashi H:** A radioimmunoassay for serum dehydroepiandrosterone sulfate.
Steroids 20:813-24, Dec 72
ADRENAL GLAND DISEASES, blood/ ADULT/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ OXIMES, chem synthesis/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SULFATES, blood/ TRITIUM

3344. **Sekso M, Barić L, Birtić K, et al:** Arrhythmie bei einer durch das Conncsche Syndrom hervorgerufenen Hypokaliämie.
Wien Med Wochenschr 122:753-6, 9 Dec 72 (Ger)
ADENOMA, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ ARRHYTHMIA, drug therapy/ *ARRHYTHMIA, etiology/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, complications/ *HYPOKALEMIA, complications/ HYPOKALEMIA, drug therapy/ HYPOKALEMIA, etiology/ POTASSIUM CHLORIDE, therapeutic use

3345. **Sellyei M, Vass L:** Absence of fluorescent Y bodies in some malignant epithelial tumours in human males: preliminary results. Eur J Cancer 8:557-9, Oct 72
ADULT/ AGED/ CELL NUCLEUS/ FEMALE/ *FLUORESCENCE/ HUMAN/ MALE/ METHODS/ MICROSCOPY, FLUORESCENCE/ MIDDLE AGE/ *NEOPLASMS, familial & genetic/ QUINACRINE/ *SEX CHROMOSOMES

3346. **Selye H:** The Harry G. Armstrong Lecture. Stress and aerospace medicine. Aerosp Med 44:190-3, Feb 73
ADAPTATION, BIOLOGICAL/ ADRENAL GLANDS, physiopathology/ *AVIATION MEDICINE/ ETHYLESTRENOL, secretion/ GLUCOCORTICOIDS, physiology/ HOMEOSTASIS/ HUMAN/ IMMUNITY/ INFLAMMATION/ PREGNENOLONE, secretion/ RESEARCH/ SOMATOTROPIN, secretion/ *SPACE FLIGHT/ SPIRONOLACTONE, secretion/ *STRESS/ STRESS, physiopathology

3347. **Serov RA, Vasil'ev IV:** Spermatotsitarnaia seminoma s letal'nym iskhodom. Arkh Patol 35:74-5, 1973 (Rus)
AGED/ CASE REPORT/ *DISGERMINOMA, pathology/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, pathology

3348. **Serre H, Simon L, Sany C, et al:** Le devenir chez l'adulte du rachitisme vitamino-resistant. A propos d'un cas sporadique.
Rev Rhum Mal Osteoartic 39:681-90, Nov 72 (Fre)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PROGNOSIS/ *RICKETS, VITAMIN D RESISTANT/ RICKETS, VITAMIN D RESISTANT, complications/ RICKETS, VITAMIN D RESISTANT, diagnosis/ RICKETS, VITAMIN D RESISTANT, physiopathology/ RICKETS, VITAMIN D RESISTANT, radiography/ RICKETS, VITAMIN D RESISTANT, therapy/ SPINAL CORD COMPRESSION, etiology/ SPINAL DISEASES, etiology

3349. **Seth J, Pennington GW:** The excretion of C-16 oxygenated neutral steroid sulphates and dehydroepiandrosterone sulphate in normal pregnancy, and a comparison with their excretion by endocrinologically normal subjects of both sexes.
Acta Endocrinol (Kbh) 72:587-603, Mar 73
ADOLESCENCE/ ADULT/ *ANDROSTENES, urine/ CHOLESTEROL, urine/ CHROMATOGRAPHY, GAS/ *DEHYDROEPIANDROSTERONE, urine/ ESTRIOL, urine/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ MALE/ MASS SPECTRUM ANALYSIS/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ PREGNANEDIOL, urine/ SEX FACTORS/ SULFATES, urine/ TIME FACTORS/ TRITIUM

3350. **Setty BS, Dasgupta PR, Kar AB:** Chemical occlusion of vas in rats. Contraception 6:329-33, Oct 72
ALUMINUM, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAMPHOR, pharmacodynamics/ CELL MOVEMENT, drug effects/ GRANULOMA, chemically induced/ MALE/ METHYLCELLULOSE/ POTASSIUM, pharmacodynamics/ QUINACRINE/ QUINACRINE, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ SPERMATOZOA/ STERILITY, MALE, chemically induced/ SULFATES, pharmacodynamics/ TESTICULAR DISEASES, chemically induced/ VAS DEFERENS, drug effects/ VAS DEFERENS, pathology/ VEHICLES

3351. **Severson AR, Rothberg PF, Pratt RM, et al:** Effect of parathyroid hormone on the incorporation of 3H-glucosamine into hyaluronic acid in bone organ culture. Endocrinology 92:1282-5, Apr 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COLLAGEN, biosynthesis/ ELECTROPHORESIS/ *GLUCOSAMINE, metabolism/ *HYALURONIC ACID, metabolism/ HYDROXYPROLINE, metabolism/ IN VITRO/ MICE/ MUCOPOLYSACCHARIDES, biosynthesis/ ORGAN CULTURE/ *PARATHYROID HORMONE, pharmacodynamics/ PROLINE, metabolism/ SKULL/ TRITIUM

3352. **Seyama Y, Mori Y, Nimobe S:** [A comparison of the mode of action between calcitonin-like factor isolated

from salivary gland and calcitonin]
J Pharm Soc Jap 92:818-22, Jul 72 (Jap)
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ MALE/ PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ RATS/ *SALIVA/ *THYROCALCITONIN, pharmacodynamics/ THYROIDECTOMY

3353. **Seyfeddinipur N**: Zerebro-vasculäre Insulte in Abhängigkeit von der Ovulationshemmereinnahme.
Schweiz Arch Neurol Neurochir Psychiatr 111:155-66, 1972 (Ger)
ADOLESCENCE/ ADULT/ CAROTID ARTERY THROMBOSIS, chemically induced/ *CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ EYE DISEASES, chemically induced/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ MIGRAINE, chemically induced/ POLYNEURITIS, chemically induced/ PULMONARY EMBOLISM, chemically induced/ THROMBOPHLEBITIS, chemically induced

3354. **Sèze S de, Solnica J, Mitrovic D, et al**: Joint and bone disorders and hypoparathyroidism in hemochromatosis.
Semin Arthritis Rheum 2:71-94, Summer 72 (80 ref.)
AGE FACTORS/ *BONE DISEASES, etiology/ CALCIUM, analysis/ CARTILAGE, ARTICULAR, pathology/ CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, radiography/ *HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, pathology/ HEMOCHROMATOSIS, physiopathology/ HEMOSIDERIN, analysis/ HUMAN/ *HYPOPARATHYROIDISM, etiology/ *JOINT DISEASES, etiology/ OSTEOPOROSIS, etiology/ PHOSPHORUS, analysis/ REVIEW/ SEX FACTORS/ SYNOVIAL MEMBRANE, pathology/ SYNOVITIS, etiology/ SYNOVITIS, radiography

3355. **Shabalin VF**: Kombinirovannoe lechenie boi'nykh mikozami stop.
Vestn Dermatol Venerol 46:74-6, Nov 72 (Rus)
ADULT/ ANTI-INFECTIVE AGENTS, administration & dosage/ CLINICAL RESEARCH/ *DERMATOMYCOSIS, drug therapy/ FEMALE/ *FOOT DERMATOSES, drug therapy/ GRISEOFULVIN, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ OINTMENTS/ PETROLEUM, administration & dosage/ PREDNISOLONE, administration & dosage

3356. **Shafer RB, Nuttall FQ**: Achilles reflex in thyroid disorders: a 10-year clinical evaluation.
Am J Med Sci 264:313-7, Oct 72
*ACHILLES TENDON, physiopathology/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ PROTEIN-BOUND IODINE TEST/ *REFLEX, TENDON/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3357. **Shah NS**: Brain levels of serotonin (5-HT) and norepinephrine (NE) during mescaline-induced behavior in mice.
Res Commun Chem Pathol Pharmacol 5:201-4, Jan 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN CHEMISTRY, drug effects/ FLUORESCENCE SPECTROMETRY/ IPRONIAZID, pharmacodynamics/ MESCALINE, administration & dosage/ *MESCALINE, pharmacodynamics/ MICE/ MOTOR ACTIVITY, drug effects/ *NOREPINEPHRINE, analysis/ RESPIRATION, drug effects/ SEMICARBAZIDES, pharmacodynamics/ *SEROTONIN, analysis

3358. **Shaikh AA**: Regulation of menstrual cycle and termination of pregnancy in the monkey by estradiol and PGF2 alpha. Prostaglandins 2:227-33, Sep 72
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MACACA/ MENSTRUATION, drug effects/ MONKEYS/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

3359. **Shalgi R, Kraicer PF, Soferman N**: Human follicular fluid. J Reprod Fertil 31:515-6, Dec 72
BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, analysis/ *BODY FLUIDS, analysis/ FEMALE/ *GRAAFIAN FOLLICLE/ GRAAFIAN FOLLICLE, blood supply/ HUMAN/ IMMUNE SERUMS/ OSMOTIC PRESSURE

3360. **Shankaran R, Quastel JH**: Effects of anesthetics on sodium uptake into rat brain cortex in vitro
Biochem Pharmacol 21:1763-73, 15 Jun 72
AMOBARBITAL, pharmacodynamics/ *ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CALCIUM, metabolism/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ COCAINE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ GLUCOSE, metabolism/ IN VITRO/ LIDOCAINE, pharmacodynamics/ MANOMETRY/ OXYGEN CONSUMPTION/ POTASSIUM, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ PROTOVERATRINE A, pharmacodynamics/ RATS/ SODIUM, analysis/ *SODIUM, metabolism/ SODIUM ISOTOPES/ TETRODOTOXIN, pharmacodynamics/ THIOPENTAL, pharmacodynamics/ WATER, metabolism

3361. **Shanks JR**: Thyroid scanning.
Postgrad Med 53:198, Feb 73
GOITER, NODULAR, diagnosis/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *RADIOISOTOPE SCANNING/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS diagnosis

3362. **Shannon MP, Kaufman TC, Shen MW, et al**: Lethality patterns and morphology of selected lethal and semi-lethal mutations in the zeste-white region of Drosophila melanogaster. Genetics 72:615-38, Dec
ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER/ FEMALE/ *GENES, LETHAL/ GENETIC COMPLEMENTATION TEST/ MALE/ *MUTATION/ PHENOTYPE/ SEX CHROMOSOMES

3363. **Shapiro MI**: Conversion of 11 ,17 ,21-trihydroxy-4-pregnene-3,20-dione-4- 14 c to 3 , ,17 ,21-tetrahydroxy-5-pregnen-20-one- 14 C by reversal of the 3 -hydroxysteroid dehydrogenase-isomerase reactions.
Steroids 20:669-80, Dec 72
ACETONE/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY PAPER/ CHROMATOGRAPHY, THIN LAYER. *HYDROXYSTEROID DEHYDROGENASE/ *ISOMERASES/ MICROSOMES, enzymology/ *PREGNENES/ PREGNENES, isolation & purification/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ ULTRAVIOLET RAYS

3364. **Shappard H, Burghardt CR**: Age-dependent changes the adenylate cyclase and phosphodiesterase activi of rat erythrocytes.
Biochem Pharmacol 22:427-9, 1 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE biosynthesis/ ADENOSINE MONOPHOSPHATE metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, analysis/

ADENYL CYCLASE, antagonists & inhibitors/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *ERYTHROCYTES, enzymology/ ERYTHROCYTES, metabolism/ FEMALE/ FLUORIDES, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ PHOSPHATASES, analysis/ *PHOSPHODIESTERASES, analysis/ PHOSPHODIESTERASES, antagonists & inhibitors/ RATS

3365. **Sharapov IM:** K farmakologii temekhina--novogo ganglioblokiruiushchego preparata.
Farmakol Toksikol 35:687-90, Nov-Dec 72 (Rus)
*ADRENAL MEDULLA, drug effects/ ANIMAL EXPERIMENTS/ *BROMIDES, pharmacodynamics/ BROMIDES, toxicity/ *CAROTID SINUS, drug effects/ CATS/ *CENTRAL NERVOUS SYSTEM, drug effects/ ENGLISH ABSTRACT/ GANGLIA, AUTONOMIC, drug effects/ *GANGLIONIC BLOCKADERS, pharmacodynamics/ MICE/ NEURAL TRANSMISSION, drug effects/ *QUINUCLIDINES, pharmacodynamics/ QUINUCLIDINES, toxicity/ VAGUS NERVE, drug effects

3366. **Sharma BN:** Prevalence of goitre and iodine kinetic studies in school children of a goitrous area four years after iodine prophylaxis.
J Assoc Physicians India 20:727, Sep 72
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ *IODIDES, therapeutic use/ IODINE ISOTOPES, DIAGNOSTIC, adverse effects/ RADIATION DOSAGE/ *THYROID GLAND FUNCTION TESTS

3367. **Sharma OP:** Thomas Addison; teacher, diagnostician and chest physician. Chest 63:125, Jan 73
*ADDISON'S DISEASE, history/ APPENDICITIS, history/ *DIAGNOSIS, history/ *EDUCATION, MEDICAL, history/ ENGLAND/ FATTY LIVER, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ *THORACIC DISEASES, history

3368. **Sharpe RM, Morris A, Wyatt AC:** The effect of the sex of litter-mates on the subsequent behaviour and breeding performance of cross-fostered rats.
Lab Anim 7:51-9, Jan 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ *BREEDING/ DEFECATION/ FEMALE/ FERTILITY/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ MALE/ ORGAN WEIGHT/ PROSTATE, anatomy & histology/ *RATS, physiology/ SEMINAL VESICLES, anatomy & histology/ SEX FACTORS/ TESTIS, anatomy & histology/ VAGINA, physiology/ VOCALIZATION, ANIMAL

3369. **Shaver JR, Barch SH, Attinasi LC:** The effects of immune globulins on the fertilizing capacity of frog spermatozoa. Biol Reprod 8:112-8, Feb 73
ANIMAL EXPERIMENTS/ CELL MOVEMENT/ FEMALE/ FERTILIZATION, drug effects/ FROGS/ *IMMUNOGLOBULINS/ MALE/ MYOCARDIUM, immunology/ OVIDUCTS, immunology/ OVUM, drug effects/ OVUM, immunology/ PRECIPITATION/ RABBITS, immunology/ *RANA PIPIENS, physiology/ *SERUM GLOBULINS, pharmacodynamics/ *SPERMATOZOA, drug effects/ SPERMATOZOA, immunology/ SPERMATOZOA, physiology/ TESTIS, immunology

3370. **Shaw KM, Stern GM, Sandler M:** Melatonin and parkinsonism. Lancet 1:271, 3 Feb 73
ADMINISTRATION, ORAL/ AGED/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ MALE/ MELATONIN, administration & dosage/ *MELATONIN, therapeutic use/ MIDDLE AGE/ *PARKINSONISM, drug therapy/ PLACEBOS

3371. **Shea SM, Caulfield JB, Burke JF:** Microvascular ultrastructure in thermal injury: a reconsideration of the role of mediators.
Microvasc Res 5:87-96, Jan 73 (70 ref.)
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ BRADYKININ, pharmacodynamics/ *BURNS, pathology/ *CAPILLARIES, pathology/ CARBON ISOTOPES/ DYES, diagnostic use/ GUINEA PIGS/ HISTAMINE, physiology/ HUMAN/ INFLAMMATION, pathology/ KININS, physiology/ *MICROCIRCULATION, pathology/ MICROSCOPY, ELECTRON/ PERMEABILITY/ PROSTAGLANDINS, physiology/ RABBITS/ RATS/ REVIEW

3372. **Shearman R, Smith I, Korda A:** Second trimester termination by intra-uterine prostaglandin F 2 . Clinical and hormonal results with observations on induced lactation and chronoperiodicity.
J Reprod Med 9:448-52, Dec 72
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ *ESTROGENS, blood/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LACTATION, drug effects/ PERIODICITY/ PREGNANCY/ *PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS

3373. **Shearman R, Smith I, Korda A:** Intra-uterine administration of prostaglandin F 2 during the second trimester of pregnancy; clinical and hormonal results.
J Reprod Fertil 32:321-2, Feb 73
*ABORTION, INDUCED/ ABORTION, THERAPEUTIC/ CATHETERIZATION/ ESTROGENS, blood/ FEMALE/ HUMAN/ LACTATION/ NAUSEA, chemically induced/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS

3374. **Shehata R:** Pacinian corpuscles in pelvic urogenital organs and outside abdominal lymph glands of the cat.
Acta Anat (Basel) 83:127-38, 1972
ABDOMEN/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BLADDER, anatomy & histology/ BLADDER, cytology/ *CATS, anatomy & histology/ FEMALE/ *LYMPH NODES, anatomy & histology/ LYMPH NODES, cytology/ MALE/ *MECHANORECEPTORS, anatomy & histology/ OVARY, anatomy & histology/ PENIS, anatomy & histology/ PENIS, cytology/ PROSTATE, anatomy & histology/ TESTIS, anatomy & histology/ URETER, anatomy & histology/ URETER, cytology/ URETHRA, anatomy & histology/ URETHRA, cytology/ *UROGENITAL SYSTEM, anatomy & histology/ VAGINA, cytology

3375. **Sheiden RM:** [Corticostimulating activity of rat fetus hypophysis after maternal adrenalectomy and metopirone injections during gestation]
J Reprod Fertil 31:347-52, Dec 72
ANIMAL EXPERIMENTS/ *CARNIVORA, physiology/ *CASTRATION/ FEMALE/ MITOSIS/ NIDATION/ *OVUM/ PREGNANCY/ TIME FACTORS/ TROPHOBLAST

3376. **Shenoi PM:** Stylohyoid syndrome.
J Laryngol Otol 86:1203-11, Dec 72
ADULT/ AGED/ *BONE DISEASES, drug therapy/ *CALCINOSIS, drug therapy/ FEMALE/ HUMAN/ *HYOID BONE/ *LIGAMENTS/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE

3377. **Sherins RJ, Vaitukaitis JL, Chrambach A:** Physical characterization of hFSH and its desialylation products by isoelectric focusing and electrophoresis in polyacrylamide gel.
Endocrinology 92:1135-41, Apr 73
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH, analysis/ FSH, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/

NEURAMINIC ACIDS/ RADIOIMMUNOASSAY/ TRITIUM

3378. **Sherman AI, Vakhariya VR:** An evaluation of prostaglandin F 2 for the induction of labor at term.
J Reprod Med 9:292-9, Dec 72
APGAR SCORE/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN/ PREGNANCY/ *PROSTAGLANDINS/ UTERUS, drug effects

3379. **Sherwin RN, Spiess EB:** Chromosomal control of mating activity in Drosophila pseudoobscura.
Proc Natl Acad Sci USA 70:459-61, Feb 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ CHROMOSOME ABERRATIONS/ CHROMOSOME MAPPING/ CROSSES, GENETIC/ *DROSOPHILA/ FEMALE/ *GENETICS, BEHAVIORAL/ KARYOTYPING/ MALE/ POLYMORPHISM (GENETICS)/ *SEX BEHAVIOR/ SEX CHROMOSOMES/ TIME FACTORS

3380. **Sherwood RF, Peberdy JF:** Effects of zearalenone on the developing male chick.
Br Poult Sci 14:127-9, Jan 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CHICKENS, growth & development/ COMB AND WATTLES, drug effects/ *FUSARIUM/ MALE/ MYCOTOXINS, administration & dosage/ *MYCOTOXINS, pharmacodynamics/ TESTIS, drug effects

3381. **Shields PJ:** Effects of electroconvulsive shock on the metabolism of 5-hydroxytryptamine in the rat brain.
J Pharm Pharmacol 24:919-20, Nov 72
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *ELECTROSHOCK/ HYDROXYINDOLEACETIC ACID, analysis/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism

3382. **Shier RW, Sprague AD, Dilts PV Jr:** Placental transfer of meperidine HCl. II.
Am J Obstet Gynecol 115:556-9, 15 Feb 73
ANIMAL EXPERIMENTS/ BLOOD/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE, drug effects/ CAROTID ARTERIES/ CHROMATOGRAPHY, GAS/ FEMALE/ HEART RATE, drug effects/ *MATERNAL-FETAL EXCHANGE/ MEPERIDINE, administration & dosage/ MEPERIDINE, blood/ *MEPERIDINE, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ SHEEP/ TIME FACTORS/ UMBILICAL CORD/ UMBILICAL VEINS

3383. **Shikita M, Hall PF, Isaka S:** Purification of cytochrome P-450 from bovine adrenocortical mitochondria.
Biochem Biophys Res Commun 50:289-93, 23 Jan 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATALASE, analysis/ CATTLE/ CHOLESTEROL, metabolism/ *CYTOCHROME P-450, isolation & purification/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTAMATE DEHYDROGENASE, analysis/ HYDROXYLATION/ IN VITRO/ METHODS/ *MITOCHONDRIA, enzymology/ MOLECULAR WEIGHT/ PROTEINS, analysis/ SERUM ALBUMIN, BOVINE, analysis

3384. **Shima K, Igarashi T, Tarui S:** [Diabetes associated with endocrine diseases]
Jap J Clin Med 30:2289-300, Nov 72 (49 ref.) (Jap)
ACROMEGALY, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ CUSHING'S SYNDROME, complications/ *DIABETES MELLITUS, etiology/ *ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, complications/ REVIEW

3385. **Shimahara T, Tauc L:** Mécanisme de la facilitation hétérosynaptique chez l'aplysie.
J Physiol (Paris) 65:Suppl:303A-304, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *MOLLUSCA, physiology/ NERVE ENDINGS, drug effects/ NEURAL TRANSMISSION, drug effects/ *NEURONS, physiology/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ SYNAPSES, drug effects/ *SYNAPSES, physiology

3386. **Shimamoto M:** [Relationship between sex hormones, atherosclerosis and Takayasu's disease (arteriosclerocirrhosis, Nasu): sex hormones and arteriosclerosis]
Clin Endocrinol (Tokyo) 20:591-604, Aug 72 (43 ref.) (Jap)
ADULT/ ANIMAL EXPERIMENTS/ AORTIC ARCH SYNDROMES, drug therapy/ *AORTIC ARCH SYNDROMES, etiology/ AORTIC ARCH SYNDROMES, pathology/ *ARTERIOSCLEROSIS, etiology/ CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ CHOLESTEROL, pharmacodynamics/ CORONARY VESSELS, pathology/ DEHYDROEPIANDROSTERONE, physiology/ ESTROGENS, physiology/ FEMALE/ HUMAN/ LIPOPROTEINS, metabolism/ MYOCARDIAL INFARCT, prevention & control/ PROGESTERONE, physiology/ PROGESTERONE, therapeutic use/ REVIEW/ *SEX HORMONES, physiology/ TESTOSTERONE, physiology

3387. **Shimizu H:** [Cyclic AMP of the brain]
Jap J Clin Pathol 20:780-7, Nov 72 (87 ref.) (Jap)
ADENOSINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ ELECTRIC STIMULATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HUMAN/ MICE/ MONKEYS/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, analysis/ RABBITS/ RATS/ REVIEW/ STIMULATION, CHEMICAL

3388. **Shimizu H, Takenoshita M, Huang M, et al:** Accumulation of adenosine 3',5'-monophosphate in brain slices: interaction of local anaesthetics and depolarizing agents.
J Neurochem 20:91-5, Jan 73
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CARBON ISOTOPES/ COCAINE, pharmacodynamics/ DIBUCAINE, administration & dosage/ DIBUCAINE, pharmacodynamics/ DRUG INTERACTIONS/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ LIDOCAINE, pharmacodynamics/ *NEUROMUSCULAR DEPOLARIZING AGENTS, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROCAINE, pharmacodynamics/ TETRACAINE, pharmacodynamics

3389. **Shimizu I, Nagai J, Hatanaka H, et al:** Mevalonate synthesis in the mitochondria of yeast.
Biochim Biophys Acta 296:310-20, 14 Feb 73
ACETATES, metabolism/ ACETYL COENZYME A/ ACETYLTRANSFERASES, metabolism/ AEROBIOSIS/ ALCOHOL OXIDOREDUCTASES, metabolism/ CARBON ISOTOPES/ CELL NUCLEUS, enzymology/ COENZYME A/ COENZYME A, metabolism/ CYTOPLASM, enzymology/ ERGOSTEROL, biosynthesis/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUTARATES/ GLUTARATES, metabolism/ LIPIDS, biosynthesis/ MEVALONIC ACID/ *MEVALONIC ACID,

biosynthesis/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ SACCHAROMYCES CEREVISIAE, cytology/ SACCHAROMYCES CEREVISIAE, enzymology/ SACCHAROMYCES CEREVISIAE, growth & development/ *SACCHAROMYCES CEREVISIAE, metabolism/ SPHEROPLASTS, metabolism/ SUCCINATE DEHYDROGENASE, metabolism

3390. **Shimokawa T, Yamashita Y, Uete T:** [Evaluation of thyroid gland function test using thyropac-3-test based on binding of serum protein to thyroid hormones]
Clin Endocrinol (Tokyo) 20:1111-5, Dec 72 **(Jap)**
*BLOOD PROTEINS/ EVALUATION STUDIES/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ PROTEIN BINDING/ *PROTEIN-BOUND IODINE TEST/ *THYROID HORMONES, blood

3391. **Shimomura R, Yamamura H:** [Cyclic AMP and hormone action]
Jap J Clin Pathol 20:771-9, Nov 72 (22 ref.) **(Jap)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CATTLE/ CHROMATOGRAPHY/ ENZYME ACTIVATION/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *HORMONES, physiology/ LIPASE, metabolism/ MICE/ PHOSPHORYLASE KINASE, metabolism/ *PHOSPHOTRANSFERASES, metabolism/ PHOSPHOTRANSFERASES, pharmacodynamics/ PROTEINS/ RABBITS/ REVIEW

3392. **Shimoyama S, Mihara T, Morita S, et al:** [Glucose-6-phosphate dehydrogenase activity (G-6-PD) of the erythrocytes in hyperthyroidism]
Folia Endocrinol Jap 49:11-6, 20 Jan 73 **(Jap)**
BASAL METABOLISM/ CHLORIDES/ ENGLISH ABSTRACT/ *ERYTHROCYTES, enzymology/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GOITER, NODULAR, blood/ GOITER, NODULAR, enzymology/ HEMOGLOBINOMETRY/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, enzymology/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, enzymology/ IODINE ISOTOPES/ MAGNESIUM/ MALE/ NADP/ PROTEIN-BOUND IODINE TEST/ RESINS/ THYROID GLAND FUNCTION TESTS

3393. **Shinada T, Ryan KJ:** The in vitro biosynthesis and metabolism of progesterone and estrogens by chimpanzee placental tissue.
Steroids 21:233-44, Feb 73
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHEMISTRY/ CHIMPANZEES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, analysis/ ESTROGENS, biosynthesis/ *ESTROGENS, metabolism/ ESTRONE, analysis/ HYDROXYPROGESTERONE, analysis/ IN VITRO/ MONKEYS/ OXIDATION-REDUCTION/ PLACENTA, analysis/ *PLACENTA, metabolism/ PREGNANCY/ PREGNENOLONE, metabolism/ PROGESTERONE, biosynthesis/ *PROGESTERONE, metabolism/ TRITIUM

3394. **Shinada T, Tsukui Y, Sato H, et al:** [Determination of serum progesterone by competitive protein binding]
Clin Endocrinol (Tokyo) 20:671-7, Aug 72 **(Jap)**
BINDING, COMPETITIVE/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRANSCORTIN/ TRITIUM

3395. **Shiomi K, Hachiya T, Yoshimura M, et al:** [Effect of synthetic TRH (thyrotropin releasing hormone) on tadpole metamorphosis]
Folia Endocrinol Jap 48:670-3, 20 Dec 72 **(Jap)**
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *FROGS/ INJECTIONS, INTRAPERITONEAL/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ PITUITARY GLAND, drug effects/ THYROTROPIN, administration & dosage/ THYROTROPIN, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, administration & dosage/ THYROXINE, pharmacodynamics

3396. **Shiomi K, Yatani T, Yoshimura M, et al:** [Reaction of the avian pituitary gland to synthetic thyrotropin releasing factor]
Clin Endocrinol (Tokyo) 20:645-7, Aug 72 **(Jap)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHICKENS/ IODINE ISOTOPES/ MICE/ *PITUITARY GLAND, drug effects/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

3397. **Shippy RL, Hwang ST, Bunge RG:** Controlled release of testosterone using silicone rubber.
J Biomed Mater Res 7:95-110, Jan 73
CAPSULES/ DELAYED-ACTION PREPARATIONS/ DIFFUSION/ FURANS/ MEMBRANES, ARTIFICIAL/ PERMEABILITY/ *SILICONE ELASTOMERS/ SOLVENTS/ TEMPERATURE/ *TESTOSTERONE/ TIME FACTORS/ TOLUENE/ WATER

3398. **Shirokinskaia ON, Sushkova IA:** Ekskretsiia laktogennogo gormona vo vremia beremennosti.
Akush Ginekol (Mosk) 48:30-2, Nov 72 **(Rus)**
ADULT/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PITUITARY GLAND, metabolism/ *PREGNANCY/ PROLACTIN, metabolism/ *PROLACTIN, urine/ RATS

3399. **Shishiba Y:** [Myopathy caused by endocrine diseases]
Jap J Clin Med 30:2307-11, Nov 72 (22 ref.) **(Jap)**
ADRENAL GLAND HYPOFUNCTION, complications/ CUSHING'S SYNDROME, complications/ *ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTHYROIDISM, complications/ HYPOTHYROIDISM, complications/ MALE/ *MUSCULAR DISEASES, etiology/ MYASTHENIA GRAVIS, etiology/ PARALYSIS, etiology/ REVIEW

3400. **Shishiba Y, Shimizu T, Yoshimura S, et al:** Direct evidence for human thyroidal stimulation by LATS-protector.
J Clin Endocrinol Metab 36:517-21, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ GOITER, EXOPHTHALMIC/ HUMAN/ HYPERTHYROIDISM/ *IGG, pharmacodynamics/ *LONG-ACTING THYROID STIMULATOR, antagonists & inhibitors/ MICE/ *THYROID GLAND, drug effects

3401. **Sholl SA, Leathem JH:** Effects of postnatal maturation and castration on rat epididymal carbohydrate metabolism. Proc Soc Exp Biol Med 142:635-7, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ EPIDIDYMIS, analysis/ EPIDIDYMIS, anatomy & histology/ *EPIDIDYMIS, enzymology/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCOGEN, analysis/ *ISOCITRATE DEHYDROGENASE, metabolism/ MALE/ ORGAN WEIGHT/ *PHOSPHOGLUCONATE DEHYDROGENASE, metabolism/ RATS/ *TESTIS, physiology

3402. **Shome B, Parlow AF:** The primary structure of the hormone-specific, beta subunit of human pituitary luteinizing hormone (hLH).
J Clin Endocrinol Metab 36:618-21, Mar 73
AMINO ACID SEQUENCE/ HUMAN/ *LH, analysis/ *PEPTIDES, analysis/ TRYPTOPHAN, analysis

3403. **Short EM, Binder HJ, Rosenberg LE:** Familial hypophosphatemic rickets: defective transport of inorganic phosphate by intestinal mucosa.

Science 179:700-2, 16 Feb 73
BIOLOGICAL TRANSPORT/ BIOPSY/ FEMALE/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ IN VITRO/ *INTESTINAL MUCOSA, metabolism/ JEJUNUM, metabolism/ KINETICS/ MALE/ *PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ *RICKETS, metabolism/ SEX FACTORS

3404. Short MP, Sharkey P, Rhodes CT: Dissolution of hydrocortisone. J Pharm Sci 61:1732-5, Nov 72
DIFFUSION/ *HYDROCORTISONE/ KINETICS/ MODELS, CHEMICAL/ OSMOLAR CONCENTRATION/ SOLUBILITY/ SOLVENTS/ SURFACE-ACTIVE AGENTS

3405. Sboulson I, Griner PF: Albrigbt syndrome and leukemia. JAMA 223:1041, 26 Feb 73
AGED/ BONE AND BONES, patbology/ BONE MARROW, patbology/ *ERYTHROLEUKEMIA, complications/ ERYTHROLEUKEMIA, patbology/ FEMALE/ *FIBROUS DYSPLASIA OF BONE, complications/ FIBROUS DYSPLASIA OF BONE, patbology/ HUMAN/ PIGMENTATION DISORDERS, complications/ PIGMENTATION DISORDERS, patbology

3406. Shurygin DIa, Viazitskiĭ PO, Novitskiĭ VA: Vliianie gipodinamii na uroven' ékskretsii éstrogenov u zlorovykh muzhchin.
Voen Med Zh 11:64-5, Nov 72 (Rus)
ADULT/ *ESTROGENS, urine/ HUMAN/ *IMMOBILIZATION/ MALE

3407. Shuster S, Thody AJ, Goolamali SK, et al: Melanocyte-stimulating hormone and parkinsonism. Lancet 1:463-4, 3 Mar 73
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ DIPHENOL OXIDASES, metabolism/ DOPAMINE, metabolism/ FEEDBACK/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ HYPOTHALAMUS, pbysiology/ MALE/ MESENCEPHALON, metabolism/ MESENCEPHALON, pbysiopatbology/ MIDDLE AGE/ *MSH, blood/ MSH, pbysiology/ *PARKINSONISM, blood/ PARKINSONISM, etiology/ PARKINSONISM, physiopatbology/ PITUITARY GLAND, pbysiology/ RATS/ SEBORRHEA, cbemically induced/ SEBUM, secretion/ SUBSTANTIA NIGRA, metabolism/ TYROSINE, metabolism

3408. Shwe T: Clinical significance of autoimmune antibodies in leprosy. Trans R Soc Trop Med Hyg 66:749-53, 1972
ANTINUCLEAR FACTORS/ *AUTOANTIBODIES, isolation & purification/ CYTOPLASM, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ LATEX FIXATION TESTS/ *LEPROSY, immunology/ MITOCHONDRIA, immunology/ RHEUMATOID FACTOR/ STOMACH, immunology/ THYROGLOBULIN/ THYROID GLAND, immunology

3409. Siakotos AN, Patel V, Cantaboni A: Tbe isolation and cbemical composition of premelanosomes and melanosomes: human and mouse melanomas. Biocbem Med 7:14-24, Feb 73
ACID PHOSPHATASE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CATHEPSIN, metabolism/ CELL FRACTIONATION/ DIPHENOL OXIDASES, metabolism/ FEMALE/ GALACTOSIDASE, metabolism/ GLUCOSAMINIDASE, metabolism/ GLUCURONIDASE, metabolism/ HUMAN/ LIVER, enzymology/ *LIVER NEOPLASMS, enzymology/ LYSOSOMES, enzymology/ MELANIN, biosyntbesis/ MELANOCYTES, cytology/ *MELANOCYTES, enzymology/ MELANOMA, enzymology/ *MELANOMA, pathology/ MICE/ MICE, INBRED C57BL/ MICROSCOPY, ELECTRON/ NEOPLASM METASTASIS/ NUCLEOSIDES, metabolism/ *ORGANOIDS, enzymology/ PIGMENTS

3410. Sicart R, Agid K, Berlan M: Influence de la tbyroide sur la réparation des acides aminés plasmatiques et les remaniements protidiques au cours de l'hibernation du lérot.
J Physiol (Paris) 65:Suppl:304A-305, Oct 72 (Fre)
*AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ GLUCOSE, metabolism/ *HIBERNATION/ INTESTINES, analysis/ INTESTINES, drug effects/ *PROTEINS, metabolism/ RNA, analysis/ *RODENTS, pbysiology/ *THYROID GLAND, physiology/ *THYROXINE, pharmacodynamics

3411. Siddle K, Hales CN: The effect of local anaestbetics on lipolysis in fat-cells. Biochem J 130:34P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM/ *DIBUCAINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ *LIPIDS, metabolism/ RATS

3412. Sideroff S, Eister AJ, Schnelderman N: Cardiovascular classical conditioning in rabbits (Oryctolagus cuniculus) using appetitive or aversive bypothalamic stimulation as tbe US.
J Comp Pbysiol Psycbol 81:501-8, Dec 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ *CONDITIONING, CLASSICAL/ CONDITIONING, OPERANT/ *ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ESCAPE REACTION/ *HEART, pbysiology/ HEART RATE/ *HYPOTHALAMUS, pbysiology/ MALE/ MOTIVATION/ RABBITS/ SELF STIMULATION/ STEREOTAXIC TECHNICS

3413. Sidhu KS, Emery RS: Blood fatty acids and glycerol response to diet and norepinepbrine.
J Dairy Sci 56:258-60, Feb 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *CATTLE, metabolism/ FATS, analysis/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GLYCERIN, blood/ GRAIN/ INJECTIONS, INTRAVENOUS/ *LACTATION/ MILK, analysis/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ TIME FACTORS

3414. Sidorchuk NB, Emel'ianov NA: Adenozintrifosfataznaia aktivnost' tkani razlicbnykh otdelov mozga krys i krolikov v norme i pri deĭstvii gidrokortizona.
Fiziol Zh SSSR 59:33-8, Jan 73 (Rus)
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ CORPORA QUADRIGEMINA, drug effects/ CORPORA QUADRIGEMINA, enzymology/ ENGLISH ABSTRACT/ HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, enzymology/ *HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, enzymology/ MALE/ MEDULLA OBLONGATA, drug effects/ MEDULLA OBLONGATA, enzymology/ OUABAIN/ RABBITS/ RATS

3415. Sidransky H: Regulatory effect of amino acids on polyribosomes and protein syntbesis of liver.
Prog Liver Dis 4:31-43, 1972 (70 ref.)
ADRENAL GLANDS, pbysiology/ AMINO ACIDS, metabolism/ *AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL AGGREGATION, drug effects/ DEFICIENCY DISEASES, metabolism/ DIET/ DIETARY PROTEINS, metabolism/ FASTING/ HUMAN/ IN VITRO/ LIVER, enzymology/ *LIVER, metabolism/ MOLECULAR WEIGHT/ PITUITARY GLAND, physiology/ *POLYRIBOSOMES, metabolism/ *PROTEINS, biosyntbesis/ REVIEW/ RNA, metabolism/ RNA, MESSENGER, biosyntbesis/ RNA, TRANSFER, biosyntbesis/ THREONINE/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics

3416. Sieber F: Indikation und Wert lympbographischer Untersuchungen.
Radiol Diagn (Berl) 13:651-5, 1972 (Ger)
BLADDER NEOPLASMS, radiography/ CERVIX

NEOPLASMS, radiography/ FEMALE/ HUMAN/ *LYMPHATIC METASTASIS, radiography/ LYMPHEDEMA/ *LYMPHOGRAPHY/ MALE/ PALPATION/ TESTICULAR NEOPLASMS, radiography/ UROGENITAL NEOPLASMS, radiography

3417. **Siegel A, Edinger H, Troiano R:** The pathway from the mediodorsal nucleus of thalamus to the hypothalamus in the cat. Exp Neurol 38:202-17, Feb 73
ANIMAL EXPERIMENTS/ CATS/ FEMALE/ *HYPOTHALAMUS, anatomy & histology/ INHIBITION, NEURAL/ MALE/ MICROSCOPY, ELECTRON/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ NEURAL TRANSMISSION/ *THALAMUS, anatomy & histology

3418. **Siegel E, Thomas D, Coulter E:** Family planning--changes in attitudes and practices among low income women between 1967 and 1970-71. Am J Public Health 63:255-61, Mar 73
ADOLESCENCE/ ADULT/ *ATTITUDE/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ EDUCATIONAL STATUS/ EMPLOYMENT/ *FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INTRAUTERINE DEVICES/ NEGROES/ NORTH CAROLINA/ PARITY/ *POVERTY/ PREGNANCY/ PREGNANCY, UNWANTED/ RESIDENTIAL MOBILITY/ SOCIAL CHANGE/ STERILIZATION, SEXUAL

3419. **Siegel IA:** Study of potassium movements in dog submaxillary gland slices. Am J Physiol 224:395-8, Feb 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BROMIDES, pharmacodynamics/ CHLORIDES, pharmacodynamics/ DOGS/ IN VITRO/ IODIDES, pharmacodynamics/ NITRATES, pharmacodynamics/ PILOCARPINE, administration & dosage/ PILOCARPINE, pharmacodynamics/ *POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ *SUBMANDIBULAR GLAND, metabolism/ SULFATES, pharmacodynamics/ THIOCYANATES, pharmacodynamics

3420. **Siegfried J:** Die funktionelle Neurochirurgie. Schweiz Arch Neurol Neurochir Psychiatr 111:435-42, 1972 (Ger)
AMYGDALOID BODY, surgery/ *EPILEPSY, surgery/ HUMAN/ HYPOPHYSECTOMY/ MENTAL RETARDATION, surgery/ *MOVEMENT DISORDERS, surgery/ *NEUROSURGERY/ *PAIN, surgery/ PARKINSONISM, surgery/ PSYCHOSURGERY/ STEREOTAXIC TECHNICS/ THALAMUS, surgery

3421. **Sieradzki J, Szybiński Z, Golda W:** Badania nad insulinemia w chorobie Graves-Basedowa. Przegl Lek 29:872-7, 1972 (Pol)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ GLUCAGON, metabolism/ GLUCOSE TOLERANCE TEST/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ HYPERGLYCEMIA, metabolism/ HYPERTHYROIDISM, metabolism/ *INSULIN, blood/ INTESTINAL ABSORPTION/ MIDDLE AGE/ PREDIABETIC STATE, metabolism/ RADIOIMMUNOASSAY

3422. **Sieroszewski J, Komorowska A, Lachowicz L, et al:** Wydalanie niektórych sterydów nadnerczowych w przebiegu iexzenia gestagenami. Ginekol Pol 43:1429-34, 1972 (Pol)
*ADRENAL CORTEX HORMONES, urine/ ADRENAL GLANDS, drug effects/ ADULT/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, pharmacodynamics/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ GYNECOLOGIC DISEASES, drug therapy/ HUMAN/ LYNESTRENOL, pharmacodynamics/ *LYNESTRENOL, therapeutic use

3423. **Siersbaek-Nielsen K, Kolendorf K, Rogowski P, et al:** Klinisk vurdering af en ny metode (Tetralute) til bestemmelse af tyroksin i serum. Ugeskr Laeger 134:2705-8, 18 Dec 72 (Dan)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood

3424. **Siervogel RM:** Dosage of the maternal effect gene associated with the tumorous-head abnormality in Drosophila melanogaster. Genetics 72:377-80, Oct 72
ALLELES/ ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES/ MALE/ POLYPLOIDY/ *SEX CHROMOSOMES

3425. **Sigdestad CP, Osborne JW:** Compensatory response of the intestine to lactation: the effect of irradiation. Growth 36:165-71, Sep 72
ANIMAL EXPERIMENTS/ DUODENUM, anatomy & histology/ FEMALE/ ILEUM, anatomy & histology/ INTESTINAL MUCOSA, radiation effects/ INTESTINE, SMALL, anatomy & histology/ *INTESTINE, SMALL, radiation effects/ JEJUNUM, anatomy & histology/ *LACTATION/ MALE/ ORGAN WEIGHT/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ TIME FACTORS

3426. **Siggins GR, Battenberg EF, Hoffer BJ, et al:** Noradrenergic stimulation of cyclic adenosine monophosphate in rat Purkinje neurons: an immunocytochemical study. Science 179:585-8, 9 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GLYCINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ NOREPINEPHRINE, pharmacodynamics/ PURKINJE CELLS, drug effects/ *PURKINJE CELLS, enzymology/ RATS/ SEROTONIN, pharmacodynamics

3427. **Sigurdsson G, Woodhouse NJ, Taylor S, et al:** Stilboestrol diphosphate in hypercalcaemia due to parathyroid carcinoma. Br Med J 1:27-8, 6 Jan 73
CALCIUM, blood/ CALCIUM, urine/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PARATHYROID NEOPLASMS, complications

3428. **Sigwart U, Tedeschi LG:** Struma ovarii: Teratom oder Metastase. Med Klin 68:80-3, 19 Jan 73 (Ger)
ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, etiology/ LIVER NEOPLASMS, complications/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ STRUMA OVARII, complications/ *STRUMA OVARII, diagnosis/ STRUMA OVARII, pathology

3429. **Sih CN, Heather JB, Peruzzotti GP, et al:** Total synthesis of prostaglandins. IV. A completely stereospecific synthesis of prostaglandin E. J Am Chem Soc 95:1676-7, 7 Mar 73
METHODS/ *PROSTAGLANDINS, chem synthesis/ STEREOISOMERS

3430. **Sila IA, Klein TG:** Klinicheskoe znachenie opredeleniia éstriola pri oslozhnennom techenii beremennosti. Akush Ginekol (Mosk) 48:32-6, Nov 72 (Rus)
ABORTION, THREATENED, urine/ ADULT/ ANENCEPHALUS/ ENGLISH ABSTRACT/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY, PROLONGED/ TWINS

3431. **Silberberg R:** Articular aging and osteoarthrosis in dwarf mice. Pathol Microbiol (Basel) 38:417-30, 1972

*AGING/ ANIMAL EXPERIMENTS/ AUTOPSY/ *CARTILAGE, ARTICULAR, pathology/ COLLAGEN/ DECALCIFICATION TECHNIC/ DISEASE MODELS, ANIMAL/ FEMALE/ FEMUR HEAD/ GLYCOGEN/ HINDLIMB/ *HYPOPITUITARISM, pathology/ JOINTS/ MALE/ MICE/ MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ ORGANOIDS/ *OSTEOARTHRITIS, pathology/ SEX FACTORS/ STAINS AND STAINING

3432. **Silver CM, Simon SD, Litchman HM:** The surgical treatment of the arthritic temporomandibular joint.
Surg Gynecol Obstet 136:251-6, Feb 73
ADOLESCENCE/ ADULT/ AGED/ ANKYLOSIS, surgery/ ARTHRITIS, drug therapy/ ARTHRITIS, etiology/ ARTHRITIS, pathology/ ARTHRITIS, radiography/ *ARTHRITIS, surgery/ ARTHRITIS, therapy/ ARTHRITIS, RHEUMATOID, surgery/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCORTISONE, therapeutic use/ JAW, injuries/ MALE/ *MANDIBULAR CONDYLE, surgery/ METHODS/ MIDDLE AGE/ POSTOPERATIVE CARE/ SPLINTS/ *TEMPOROMANDIBULAR JOINT

3433. **Silver HK, Gold P, Feder S, et al:** Radioimmunoassay for human alpha 1 -fetoprotein.
Proc Natl Acad Sci USA 70:526-30, Feb 73
ADULT/ *ALPHA GLOBULIN, analysis/ *FETAL GLOBULINS, analysis/ GEL DIFFUSION TESTS/ GOATS, immunology/ HEPATITIS, INFECTIOUS, blood/ HEPATOMA, blood/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LIVER DISEASES, blood/ MALE/ NEOPLASMS, EMBRYONAL AND MIXED, blood/ PRECIPITIN TESTS/ *RADIOIMMUNOASSAY/ TESTICULAR NEOPLASMS, blood

3434. **Silver MJ, Smith JB, Ingerman C, et al:** Letters to the editor: prostaglandins in blood.
Prostaglandins 2:75-7, Aug 72
BLOOD COAGULATION/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ BLOOD SPECIMEN COLLECTION/ CULTURE MEDIA/ HUMAN/ PLASMA, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood/ SPECIAL LIST REPRODUCTION/ THROMBIN, pharmacodynamics/ TISSUE CULTURE

3435. **Silverman M, Hawkins D, Ackman CF:** Bilateral nephrectomy for massive pulmonary hemorrhage in Goodpasture's syndrome.
Can Med Assoc J 108:336-40, 3 Feb 73
ADOLESCENCE/ AZATHIOPRINE, therapeutic use/ FEMALE/ GOODPASTURE'S SYNDROME, complications/ GOODPASTURE'S SYNDROME, drug therapy/ GOODPASTURE'S SYNDROME, immunology/ GOODPASTURE'S SYNDROME, pathology/ *GOODPASTURE'S SYNDROME, surgery/ HEMATOCRIT/ *HEMORRHAGE, etiology/ HEMORRHAGE, radiography/ HUMAN/ *LUNG DISEASES, etiology/ LUNG DISEASES, radiography/ *NEPHRECTOMY/ OXYGEN, blood/ PREDNISONE, therapeutic use

3436. **Simionescu L:** Cercetări în domeniul imunoendocrinologiei.
Stud Cercet Endocrinol 23:453-8, 1972 **(Rum)**
AUTOIMMUNE DISEASES, diagnosis/ ENDOCRINE DISEASES, diagnosis/ *ENDOCRINE DISEASES, immunology/ HUMAN/ IMMUNOLOGIC TECHNICS

3437. **Simm S, Wolna M:** Wyniki leczenia chorych na zaawansow ane postacie raka jajnika.
Ginekol Pol 44:45-50, Jan 73 **(Pol)**
*ADENOCARCINOMA, therapy/ ADOLESCENCE/ ADULT/ AGED/ *CARCINOMA, therapy/ *CARCINOMA, PAPILLARY, therapy/ *DISGERMINOMA, therapy/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, therapy/ *TERATOID TUMOR, therapy/ TIME FACTORS

3438. **Simon HB, Wolff SM:** Granulomatous hepatitis and prolonged fever of unknown origin: a study of 13 patients. Medicine (Baltimore) 52:1-21, Jan 73
ADULT/ ASCITES, etiology/ DEXAMETHASONE, therapeutic use/ EDEMA, etiology/ FEMALE/ *FEVER, etiology/ FEVER OF UNKNOWN ORIGIN, drug therapy/ FEVER OF UNKNOWN ORIGIN, etiology/ *GRANULOMA, complications/ GRANULOMA, diagnosis/ GRANULOMA, drug therapy/ GRANULOMA, pathology/ *HEPATITIS, complications/ HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ HEPATITIS, pathology/ HUMAN/ INDOMETHACIN, therapeutic use/ ISONIAZID, therapeutic use/ LIVER, pathology/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ SKIN DISEASES, etiology/ STREPTOMYCIN, therapeutic use

3439. **Simon M, Franchimont P, Mnrie N, et al:** Study of somatotropic and gonadotropic pituitary function in idiopathic haemochromatosis (31 cases).
Eur J Clin Invest 2:384-9, Nov 72
ADULT/ BLOOD SUGAR, analysis/ DIABETES MELLITUS, complications/ FSH, blood/ GERM CELLS/ HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, pathology/ *HEMOCHROMATOSIS, physiopathology/ HUMAN/ LEYDIG CELLS/ LH, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ TESTIS, pathology

3440. **Simonin R, Roux H, Oliver C, et al:** Effets d'une prise orale de L. Dopa sur les taux plasmatiques de T.S.H., A.C.T.H. et G.H. chez les sujets normaux.
Ann Endocrinol (Paris) 33:294-6, May-Jun 72 **(Fre)**
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ *CORTICOTROPIN, blood/ CORTICOTROPIN RELEASING FACTOR, secretion/ *DOPA, administration & dosage/ DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ STRESS/ *THYROTROPIN, blood/ TIME FACTORS

3441. **Simonová J, Gregorová I, Sonka J:** Metabolické komplikace otylosti--pokus o jejich ovlivnění dehydroepiandrosteron sulfátem.
Sb Lek 75:27-32, Jan 73 **(Cze)**
ADULT/ BODY WEIGHT, drug effects/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, therapeutic use/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ HUMAN/ HYPERLIPEMIA, drug therapy/ MALE/ *METABOLIC DISEASES, drug therapy/ MIDDLE AGE/ *OBESITY, complications/ OBESITY, drug therapy/ OBESITY, metabolism/ SULFATES, pharmacodynamics/ SULFATES, therapeutic use

3442. **Simoponlos AP, Roth JA, Golde DW, et al:** Subacute necrotizing encephalomyelopathy with vacuolated cells in the bone marrow.
Neurology (Minneap) 22:1257-67, Dec 72
ALDOSTERONE, blood/ AMINO ACIDS, urine/ ARGININE, diagnostic use/ *BONE MARROW, pathology/ *BONE MARROW CELLS/ CHILD, PRESCHOOL/ CORTICOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ DEMYELINATION, pathology/ ENCEPHALOMYELITIS, drug therapy/ ENCEPHALOMYELITIS, metabolism/ *ENCEPHALOMYELITIS, pathology/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MAGNESIUM, therapeutic use/ METYRAPONE, diagnostic use/ SOMATOTROPIN, blood/ SPINAL CORD, pathology/ SPIRONOLACTONE, therapeutic use/ VITAMIN B COMPLEX, therapeutic use

3443. **Simpson NE, Allesiev LJ:** Association of children's diseases in families from record linkage data.
Can J Genet Cytol 15:789-800, Dec 72
ASPHYXIA NEONATORUM, familial & genetic/ ATELECTASIS, familial & genetic/ AUTOMATIC DATA PROCESSING/ BONE AND BONES, abnormalities/ BRITISH COLUMBIA/ CEREBRAL PALSY, familial & genetic/ CLEFT LIP, familial & genetic/ CLEFT PALATE, familial & genetic/ CLUBFOOT, familial & genetic/ DIGESTIVE SYSTEM, abnormalities/ ERYTHROBLASTOSIS, FETAL, familial & genetic/ GROWTH DISORDERS, familial & genetic/ *HEREDITARY DISEASES/ HUMAN/ HYDROCEPHALUS, familial & genetic/ *MEDICAL RECORDS/ MENTAL RETARDATION, familial & genetic/ PANCREATIC DISEASES, familial & genetic/ *REGISTRIES/ SPINA BIFIDA, familial & genetic/ STRABISMUS, familial & genetic

3444. **Simpson PM:** A method for the estimation of some synthetic glucocorticosteroids in rat muscle.
J Chromatogr 77:161-74, 14 Mar 73
ANIMAL EXPERIMENTS/ BETAMETHASONE, analysis/ CHROMATOGRAPHY, GAS/ ELECTRON SPIN RESONANCE/ *GLUCOCORTICOIDS, analysis/ INDICATORS AND REAGENTS/ MASS SPECTRUM ANALYSIS/ METHYLATION/ MICROCHEMISTRY/ *MUSCLES, analysis/ PREDNISOLONE, analysis/ RATS/ TISSUE EXTRACTS, analysis/ TRIAMCINOLONE, analysis

3445. **Sinclair DA, Eales JG:** Iodothyronine-glucuronide conjugates in the bile of brook trout, Salvelinus fontinalis (mitchill) and other freshwater teleosts.
Gen Comp Endocrinol 19:552-98, Dec 72
ANIMAL EXPERIMENTS/ *BILE, analysis/ CHROMATOGRAPHY THIN LAYER/ *GLUCURONATES, metabolism/ INJECTIONS, INTRAPERITONEAL/ IODINE ISOTOPES/ *IODOPROTEINS, analysis/ *SALMONIDAE, metabolism/ TEMPERATURE/ *THYRONINE, analysis/ THYRONINE, metabolism/ THYROXINE, administration & dosage

3446. **Singh DN, Garlick NL:** Chromosomal studies in the squirrel monkey.
J Hered 63:379-81, Nov-Dec 72
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, cytology/ *CHROMOSOMES/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ MEIOSIS/ MITOSIS/ *MONKEYS/ SEX CHROMOSOMES/ TESTIS, cytology

3447. **Singh EJ, Swartwout JR:** Effects of oral contraceptives on glycerides and sterol esters of human cervical mucus.
Am J Obstet Gynecol 114:484-91, 15 Oct 72
ADULT/ CERVIX MUCUS, analysis/ *CERVIX MUCUS, drug effects/ *CHLORMADINONE, pharmacodynamics/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *ETHYNODIOL DIACETATE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLYCERIDES, metabolism/ HUMAN/ HYDROCARBONS, metabolism/ LIPIDS, analysis/ *LIPIDS, metabolism/ *MESTRANOL, pharmacodynamics/ *NORGESTREL, pharmacodynamics/ PHOSPHOLIPIDS, metabolism/ STEROLS, metabolism/ TRIGLYCERIDES, metabolism

3448. **Singh I, Chhibber SR, Pande BS:** Correlationships between muscle and bone weights in the upper and lower limbs of human adults and foetuses.
Anat Anz 132:61-6, 1972
*ARM, anatomy & histology/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, embryology/ HUMAN/ *LEG, anatomy & histology/ *MUSCLES, anatomy & histology/ MUSCLES, embryology/ ORGAN WEIGHT

3449. **Singh JN, Setty BS, Srivastava K, et al:** Effect of norgestrel on spermatogenesis & fertility of rats.
Indian J Exp Biol 10:159-62, May 72
ANIMAL EXPERIMENTS/ *FERTILITY, drug effects/ GENITALIA, MALE, drug effects/ LIBIDO, drug effects/ MALE/ *NORGESTREL, pharmacodynamics/ ORGAN WEIGHT/ PITUITARY GLAND, drug effects/ RATS/ *SPERMATOGENESIS, drug effects

3450. **Singh M, Riggs BL, Beabout JW, et al:** Femoral trabecular pattern index for evaluation of spinal osteoporosis. A detailed methodologic description.
Mayo Clin Proc 48:184-9, Mar 73
*FEMUR, radiography/ HUMAN/ METHODS/ *OSTEOPOROSIS, radiography/ *SPINAL DISEASES, radiography/ STRESS, MECHANICAL

3451. **Singhal RL, Thomas JA, Parulekar MR:** Failure of -adrenergic blocking agents to alter estrogenic induction of uterine enzymes.
Life Sci [I] 11:255-61, 1 Mar 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ DICHLOROISOPROTERENOL, pharmacodynamics/ DRUG INTERACTIONS/ *ENZYME INDUCTION, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GLYCOGEN, biosynthesis/ HEXOKINASE, biosynthesis/ ORGAN WEIGHT/ PHOSPHOFRUCTOKINASE, biosynthesis/ PROPRANOLOL, pharmacodynamics/ PYRUVATE KINASE, biosynthesis/ RATS/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, enzymology/ UTERUS, metabolism

3452. **Sinha AK, Henriksen S, Dement WC, et al:** Cat brain amine content during sleep.
Am J Physiol 224:381-3, Feb 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CATS/ CEREBRAL CORTEX, metabolism/ *DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ MALE/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ *SLEEP/ SLEEP, REM

3453. **Sinha D, Cooper D, Dao TL:** The nature of estrogen and prolactin effect on mammary tumorigenesis.
Cancer Res 33:411-4, Feb 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CASTRATION/ ELECTRIC STIMULATION/ *ESTROGENS, physiology/ FEMALE/ HYPOTHALAMUS, physiology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ OVARY, physiology/ OVARY, transplantation/ *PROLACTIN, physiology/ RATS/ TRANSPLANTATION, HOMOLOGOUS

3454. **Sinha YN, Selby FW, Lewis UJ, et al:** A homologous radioimmunoassay for human prolactin.
J Clin Endocrinol Metab 36:509-16, Mar 73
ACROMEGALY, blood/ ADULT/ AGED/ AUTOPSY/ CATTLE/ CETACEA/ FEMALE/ FISHES/ FROGS/ HUMAN/ IODINE ISOTOPES/ LH/ MALE/ METHODS/ MICE/ PITUITARY GLAND, analysis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PREGNANCY/ PROLACTIN, analysis/ *PROLACTIN, blood/ *RADIOIMMUNOASSAY/ SHEEP/ SWINE/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TURTLES

3455. **Sippel HW:** Thiourea, an effective inhibitor of the non-enzymatic ethanol oxidation in biological extracts.
Acta Chem Scand 26:3398-400, 1972
ACETALDEHYDE, metabolism/ *ALCOHOL, ETHYL, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ LIVER, metabolism/ OXIDATION-REDUCTION/ RATS/ *THIOUREA, pharmacodynamics/ TIME FACTORS

3456. **Sirek AM, Sirek OV, Sirek A:** The effect of dihydroergotamine on lipolysis stimulated by human chorionic somato-mammotropin in

hypophysectomized dogs. Hormones 3:221-7, 1972
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ BLOOD SUGAR/ DOGS/ DRUG SYNERGISM/ *ERGOTAMINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, analysis/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ *LIPIDS, metabolism/ *PITUITARY GLAND, physiology/ *PLACENTAL LACTOGEN, pharmacodynamics/ PREGNANCY/ PUROMYCIN, pharmacodynamics

3457. **Sitar DS, Thornhill DP:** Methimazole: absorption, metabolism and excretion in the albino rat.
J Pharmacol Exp Ther 184:432-9, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BILE, metabolism/ BLOOD PROTEINS/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, THIN LAYER/ FECES, analysis/ HYDROLYSIS/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INTESTINAL ABSORPTION/ MASS SPECTRUM ANALYSIS/ METHIMAZOLE, administration & dosage/ METHIMAZOLE, analysis/ METHIMAZOLE, blood/ *METHIMAZOLE, metabolism/ METHIMAZOLE, urine/ PROTEIN BINDING/ RABBITS/ THIOURACIL, metabolism/ TIME FACTORS

3458. **Sivakumaran T, Galindo F, Teal J:** Modified radioimmunoassay of urinary aldosterone.
Clin Chem 19:279-80, Feb 73
*ALDOSTERONE, urine/ CARBON ISOTOPES/ HUMAN/ LACTONES, urine/ METHODS/ RADIOIMMUNOASSAY

3459. **Sizemore GW, Go VL, Kaplan EL, et al:** Relations of calcitonin and gastrin in the Zollinger-Ellison syndrome and medullary carcinoma of the thyroid.
N Engl J Med 288:641-4, 29 Mar 73
ADOLESCENCE/ ADULT/ AGED/ *CARCINOMA, blood/ CHICKENS, immunology/ DEPRESSION, CHEMICAL/ FEMALE/ *GASTRIN, blood/ GASTRIN, physiology/ GASTRIN, secretion/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, blood/ THYROCALCITONIN, physiology/ THYROCALCITONIN, secretion/ *THYROID NEOPLASMS, blood/ *ZOLLINGER-ELLISON SYNDROME, blood

3460. **Sizonenko PC, Paunier L, Vallotton MB, et al:** Childhood hypoglycemia: plasma glucose and renin response to deoxglucose for assessment of adrenal medulla responsiveness.
Helv Paediatr Acta 27:565-73, Dec 72
*ADRENAL MEDULLA, drug effects/ *BLOOD SUGAR/ CHILD/ CHILD, PRESCHOOL/ DISEASES IN TWINS, blood/ EPINEPHRINE, secretion/ FEMALE/ *GLUCOSE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ *HYPOGLYCEMIA, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ *RENIN, blood

3461. **Skibinsky J, Goldberg V, Sirito R, et al:** The diagnosis utility of the QK d interval in thyroid disease.
Horm Metab Res 4:371-3, Sep 72
ADULT/ AGED/ BLOOD PRESSURE/ BRACHIAL ARTERY/ DIAGNOSIS, DIFFERENTIAL/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART, physiology/ HEART, physiopathology/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ NEUROSES, ANXIETY, diagnosis/ NEUROSES, ANXIETY, physiopathology/ *THYROID GLAND FUNCTION TESTS/ TIME FACTORS

3462. **Skobiin AP, Grishko AIa:** Provodnikovaia blokada na urovne pidkolennoi iamki pri khirurgicheskikh vmeshatel'stvakh na golen i stope.
Vestn Khir 108:90-4, Jul 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ AMPUTATION/ ANESTHETICS, LOCAL/ *AUTONOMIC NERVE BLOCK/ BONE AND BONES, surgery/ ENGLISH ABSTRACT/ FEMALE/ *FOOT, surgery/ FRACTURE FIXATION/ FRACTURE FIXATION, INTERNAL/ HUMAN/ *LEG, surgery/ *LEG INJURIES, surgery/ LIDOCAINE/ MALE/ METHODS/ MIDDLE AGE/ PROCAINE

3463. **Skoluda D, Stockamp K, Jonas U, et al:** Verhraunchskoagulopathie bei obstruktiver septischer Pyelonephritis.
Urologie [A] 12:21-4, Jan 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CARBENICILLIN, therapeutic use/ CEPHALOTHIN, therapeutic use/ DISSEMINATED INTRAVASCULAR COAGULATION, drug therapy/ *DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ ENGLISH ABSTRACT/ ERGOT ALKALOIDS, HYDROGENATED, therapeutic use/ FACTOR V/ FACTOR X/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ MALE/ NOREPINEPHRINE, therapeutic use/ ORCIPRENALINE, therapeutic use/ PROTHROMBIN/ *PYELONEPHRITIS, complications/ SEPTICEMIA/ SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, therapy

3464. **Skripkin IuK, Somov BA, Butov Ius, et al:** Nekotorye aspekty lecheniia i profilaktiki professional'nykh allergicheskikh dermatozov.
Vestn Dermatol Venerol 46:40-3, Dec 72 (Rus)
ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ *HYPERSENSITIVITY/ HYPERSENSITIVITY, drug therapy/ HYPERSENSITIVITY, prevention & control/ *OCCUPATIONAL DERMATITIS/ OCCUPATIONAL DERMATITIS, drug therapy/ OCCUPATIONAL DERMATITIS, prevention & control/ PROTECTIVE DEVICES

3465. **Skripkin IuK, Vedrova IN, Akimova VV:** K klinike i lecheniiu rihovidnogo mikoza.
Vestn Dermatol Venerol 46:18-21, Nov 72 (Rus)
ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYCOSIS FUNGOIDES/ MYCOSIS FUNGOIDES, diagnosis/ MYCOSIS FUNGOIDES, drug therapy/ PREDNISOLONE, therapeutic use/ TRIAMCINOLONE, therapeutic use

3466. **Slavnov VN, Benikova EA, Guetskaia DS:** Otsenka funktsional'nogo sostoaine shchitovidnoi zhelezy pri karlikovosti po dannym radioizotopnykh metodov issledovaniia.
Probl Endokrinol (Mosk) 18:37-41, Jul-Aug 72 (Rus)
ADOLESCENCE/ CHILD/ DWARFISM, blood/ DWARFISM, drug therapy/ DWARFISM, etiology/ *DWARFISM, physiopathology/ DWARFISM, PITUITARY, physiopathology/ ECCENTRO- OSTEOCHONDRODYSPLASIA, blood/ ECCENTRO-OSTEOCHONDRODYSPLASIA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, complications/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ THYROID GLAND, metabolism/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, biosynthesis/ THYROXINE-BINDING PROTEIN, analysis/ TURNER'S SYNDROME, blood/ TURNER'S SYNDROME, physiopathology

3467. **Slepchuk NA, Ivanov KP:** O termochuvstvitel'nykh interoretseptorakh i ikh vzaimodeistvii s termochuvstvitel'nymi strukturami gipotalamusa.

Fiziol Zh SSSR 58:1494-8, Oct 72 (Rus)
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ ENGLISH ABSTRACT/ HEAT/ *HYPOTHALAMUS, physiology/ *INTESTINES, innervation/ RABBITS/ *RECEPTORS, NEURAL, physiology/ *TEMPERATURE SENSE/ THERMORECEPTORS, physiology

468. Sliwowska W: Objawy chorohowe w zakresie otolaryngologii wywołane działaniem uhocznym leków. Otolaryngol Pol 26:733-42, 1972 (38 ref.) (Pol)
AGE FACTORS/ ANALEPTICS, adverse effects/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTIDEPRESSIVE AGENTS, adverse effects/ ANTIHISTAMINICS, adverse effects/ CENTRAL NERVOUS SYSTEM, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ DIURETICS, adverse effects/ *DRUG THERAPY, adverse effects/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *OTORHINOLARYNGOLOGIC DISEASES, chemically induced/ REVIEW/ TRANQUILIZING AGENTS, adverse effects/ VASODILATOR AGENTS, adverse effects

469. Sijvić VS: Immunological responses in pregnancy. Br Med J 1:355, 10 Feb 73
ANIMAL EXPERIMENTS/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *IMMUNITY, CELLULAR/ *PREGNANCY/ TUBERCULIN TEST

470. Siojewska K: Beryioza.
Pol Tyg Lek 28:263-6, 12 Feb 73 (28 ref.) (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ BERYLLIUM, adverse effects/ *BERYLLIUM, poisoning/ CORTICOTROPIN, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ LETHAL DOSE 50/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, diagnosis/ LUNG DISEASES, drug therapy/ NEOPLASMS, EXPERIMENTAL, chemically induced/ REVIEW/ SARCOIDOSIS, diagnosis/ SKIN DISEASES, chemically induced

3471. Siotkin TA, Kirshner N: Recovery of rat adrenal amine stores after insulin administration.
Mol Pharmacol 9:105-16, Jan 73
ADENOSINE TRIPHOSPHATE, analysis/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ DOPAMINE BETA HYDROXYLASE, analysis/ EPINEPHRINE, metabolism/ FLUORESCENCE SPECTROMETRY/ HYPOGLYCEMIA, chemically induced/ INSULIN/ *INSULIN, pharmacodynamics/ MALE/ METARAMINOL, metabolism/ RATS/ SUBCELLULAR FRACTIONS, analysis/ SUCROSE/ TIME FACTORS/ TRITIUM/ TYRAMINE, metabolism

3472. Siotosch H: Zur Klinik der Osteogenesis imperfecta.
Dtsch Stomatol 22:784-9, Oct 72 (Ger)
ADOLESCENCE/ ENGLISH ABSTRACT/ FACIAL BONES/ FEMALE/ FRACTURES, etiology/ HUMAN/ *OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, etiology/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOGENESIS IMPERFECTA, radiography

3473. Smaha LA, Kaelber WW: Efferent fiber projections of the habenula and the interpeduncular nucleus. An experimental study in the opossum and cat.
Exp Brain Res 16:291-308, 29 Jan 73
ANIMAL EXPERIMENTS/ CATS/ *DIENCEPHALON, physiology/ HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS/ NEURONS, EFFERENT/ OPOSSUMS/ PONS, physiology/ SPECIES SPECIFICITY/ THALAMUS, physiology

3474. Smirnov NP: Vliianie sotsial'nykh faktorov na sostoianie éndenii zoba v SSS.
Probl Endokrinol (Mosk) 18:8-12, Nov-Dec 72 (Rus)
*GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ SOCIOECONOMIC FACTORS/ USSR

3475. Smirnov VIa: Zavisimost' funktsii zheludochnykh zhelez ot sostoianiia krovoobrashcheniia zheludka.
Kardiologiia 12:131-7, Oct 72 (83 ref.) (Rus)
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, physiology/ CHLORIDES, secretion/ DOGS/ GASTRIC HYPOTHERMIA/ GASTRIC JUICE, secretion/ GASTRIN, pharmacodynamics/ HEAT/ HISTAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, physiology/ INSULIN, pharmacodynamics/ MATHEMATICS/ MICROCIRCULATION/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, secretion/ REGIONAL BLOOD FLOW/ REVIEW/ SODIUM, secretion/ STOMACH, blood supply/ STOMACH, innervation/ *STOMACH, physiology/ STOMACH, secretion/ WATER, secretion

3476. Smith A: Oral contraceptives on N.H.S. prescription.
Lancet 1:266, 3 Feb 73
*CONTRACEPTIVES, ORAL/ FEMALE/ GREAT BRITAIN/ HUMAN/ PRESCRIPTIONS/ *STATE MEDICINE

3477. Smith AL, Scanlon J: Amnionic fluid D(-)--hydroxyhutyrate and the dysmature newborn infant.
Am J Obstet Gynecol 115:569-74, 15 Feb 73
AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ BIRTH WEIGHT/ FEMALE/ *FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HUMAN/ *HYDROXYBUTYRATES, analysis/ HYDROXYBUTYRATES, blood/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ OSMOLAR CONCENTRATION/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PRENATAL DIAGNOSIS

3478. Smith AP: The effects of intravenous infusion of graded doses of prostaglandins F 2 and E 2 on lung resistance in patients undergoing termination of pregnancy. Clin Sci 44:17-25, Jan 73
*ABORTION, INDUCED/ ADULT/ *AIRWAY RESISTANCE, drug effects/ ASTHMA/ BRONCHITIS/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LUNG, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics

3479. Smith BJ, Defendi V, Wiggiesworth NM: The effect of dibutyryi cyclic AMP on transformation by oncogenic viruses. Virology 51:230-2, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ HAMSTERS, embryology/ KIDNEY, embryology/ *POLYOMA VIRUS/ *SV40 VIRUS/ TIME FACTORS

3480. Smith CH, Adcock EW 3d, Teasdale F, et al: Placental amino acid uptake: tissue preparation, kinetics, and preincubation effect. Am J Physiol 224:558-64, Mar 73
*AMINOISOBUTYRIC ACID, metabolism/ BIOLOGICAL TRANSPORT/ CULTURE MEDIA/ HISTOCYTOCHEMISTRY/ HUMAN/ IN VITRO/ INULIN/ KINETICS/ MATERNAL-FETAL EXCHANGE/ METHODS/ *PLACENTA, metabolism/ TIME FACTORS

3481. Smith CJ, Kohut RI, Million RR: Chemodectomas of the nasopharynx. An unusual case associated with unilateral ocular proptosis.
Laryngoscope 83:330-5, Mar 73
AGED/ BIOPSY/ CASE REPORT/

*EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ *NASOPHARYNGEAL NEOPLASMS, complications/ NASOPHARYNGEAL NEOPLASMS, pathology/ NASOPHARYNGEAL NEOPLASMS, radiotherapy/ *PARAGANGLIOMA, NONCHROMAFFIN, complications/ PARAGANGLIOMA, NONCHROMAFFIN, pathology/ PARAGANGLIOMA, NONCHROMAFFIN, radiotherapy

3482. **Smith EB, Gregory JF, Bartruff JK:** Desonide, a potent nonfluorinated topical steroid, vasoconstriction assay and clinical trial. South Med J 66:325-9, Mar 73
ACETALS, pharmacodynamics/ ACETALS, therapeutic use/ BETAMETHASONE, pharmacodynamics/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DERMATITIS, drug therapy/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ FLURANDRENOLONE, pharmacodynamics/ FOREARM, blood supply/ HUMAN/ HYDROCORTISONE, TOPICAL, pharmacodynamics/ LICHEN PLANUS, drug therapy/ PREDNISOLONE, TOPICAL, pharmacodynamics/ *PREDNISOLONE, TOPICAL, therapeutic use/ PSORIASIS, drug therapy/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRIAMCINOLONE ACETONIDE, therapeutic use/ VASOCONSTRICTOR AGENTS, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, therapeutic use

3483. **Smith GA, Williams DH:** Experiments towards a synthesis of antheridiol: a synthesis of biologically active material. J Chem Soc [Perkin I] 22:2811-6, 1972
CHOLESTENES/ KETOSTEROIDS, chem synthesis/ METHODS/ PHYCOMYCETES/ *PHYTOSTEROLS, chem synthesis

3484. **Smith ID, Shearman RP:** Corticosteroid metabolism in the human feto-placental unit in relation to gestational age. J Reprod Fertil 32:332-3, Feb 73
*ADRENAL CORTEX HORMONES, metabolism/ CESAREAN SECTION/ CORTICOSTERONE, metabolism/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ LABOR/ *PLACENTA, metabolism/ PREGNANCY/ PROTEIN BINDING/ TRITIUM/ UMBILICAL CORD, analysis

3485. **Smith JM, Pizzarro YA:** Observations on the safety of disodium cromoglycate in long-term use in children. Clin Allergy 2:143-51, Jun 72
ADOLESCENCE/ AMINOTRANSFERASES, blood/ ASTHMA, drug therapy/ CHILD/ DISODIUM CROMOGLYCATE, adverse effects/ *DISODIUM CROMOGLYCATE, standards/ DISODIUM CROMOGLYCATE, therapeutic use/ DISODIUM CROMOGLYCATE, toxicity/ DISODIUM CROMOGLYCATE, urine/ FEMALE/ HEMOGLOBINOMETRY/ HUMAN/ HYDROCORTISONE, blood/ LEUKOCYTE COUNT/ MALE/ SKIN TESTS/ THORAX, radiography

3486. **Smith LE Jr, Vincent CK:** Effects of early weaning and exogenous hormone treatment on bovine postpartum reproduction. J Anim Sci 35:1228-32, Dec 72
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CORPUS LUTEUM, anatomy & histology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ FSH, administration & dosage/ *FSH, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ OVARY, drug effects/ PARITY/ PREGNANCY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PUERPERIUM/ *REPRODUCTION/ TIME FACTORS/ UTERUS, physiology/ *WEANING

3487. **Smith LE Jr, Vincent CK:** Effects of injections of a norethandrolone suspension of synchronization of estrus and conception in beef cattle.
J Anim Sci 36:67-71, Jan 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ *FERTILIZATION, drug effects/ INJECTIONS, SUBCUTANEOUS/ INSEMINATION, ARTIFICIAL, veterinary/ LACTATION/ *NORETHANDROLONE, administration & dosage/ NORETHANDROLONE, pharmacodynamics/ PREGNANCY/ SUSPENSIONS

3488. **Smith P, Crozier EH:** Cytology of voided urine in the diagnosis of gynecologic malignancy.
Obstet Gynecol 41:440-2, Mar 73
CERVIX NEOPLASMS, diagnosis/ CYTODIAGNOSIS/ FALSE NEGATIVE REACTIONS/ FEMALE/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ IRELAND/ *MASS SCREENING/ OVARIAN NEOPLASMS, diagnosis/ *URINE, cytology/ VAGINAL NEOPLASMS, diagnosis/ VULVAR NEOPLASMS, diagnosis

3489. **Smith RE:** The undescended testicle.
Practitioner 210:204-8, Feb 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM/ CRYPTORCHISM, surgery/ FERTILITY/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PSYCHOLOGY/ TESTICULAR NEOPLASMS, prevention & control/ TESTIS, growth & development

3490. **Smith TJ, Lubiniecki AS, Armstron JA, et al:** Interferon induced by endotoxin and Newcastle disease virus in rabbit macrophage and kidney cell cultures.
Proc Soc Exp Biol Med 142:481-6, Feb 73
CELLS, CULTURED/ CORTISONE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *ENDOTOXINS, pharmacodynamics/ INTERFERON, antagonists & inhibitors/ *INTERFERON, biosynthesis/ INTERFERON, pharmacodynamics/ *INTERFERON INDUCERS/ KIDNEY/ *KIDNEY, metabolism/ MACROPHAGES, drug effects/ *MACROPHAGES, metabolism/ *NEWCASTLE DISEASE VIRUS/ RABBITS/ TEMPERATURE/ VESICULAR STOMATITIS VIRUS, drug effects/ VIRUS REPLICATION, drug effects

3491. **Smith VG, Edgerton LA, Hafs HD, et al:** Bovine serum estrogens, progestins and glucocorticoids during late pregnancy parturition and early lactation.
J Anim Sci 36:391-6, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CORTICOSTERONE, blood/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ *GLUCOCORTICOIDS, blood/ HYDROCORTISONE, blood/ LACTATION/ LH, blood/ PREGNANCY/ *PROGESTERONE, blood/ PUERPERIUM/ TRITIUM

3492. **Smolianskiĭ GB, Ber GI:** Nomogramma dlia raschets optimal'noĭ temperatury vozdukha pomeshchenĭ dlia dlitel'nogo prebyvaniia bol'nykh tireotoksikozom.
Gig Sanit 37:94-6, Aug 72 (Rus)
*AIR CONDITIONING/ HUMAN/ *HYPERTHYROIDISM, metabolism/ METHODS/ TEMPERATURE

3493. **Snart RS:** The two stage nature of the aldosterone response. J Steroid Biochem 3:129-36, Feb 72
ADENOSINE TRIPHOSPHATASE, metabolism/ ALDOSTERONE, administration & dosage/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, drug effects/ BLADDER, enzymology/ *BLADDER, metabolism/ BUFO MARINUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ EPITHELIAL CELLS, metabolism/ IN VITRO/ KINETICS/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM/ SODIUM/ *SODIUM, metabolism/ SUCCINATE DEHYDROGENASE, analysis/ TEMPERATURE/ TIME FACTORS

3494. **Sneddon I:** Perioral dermatitis.
Br J Dermatol 87:430-4, Nov 72

ADOLESCENCE/ *BETAMETHASONE, adverse effects/ *DERMATITIS MEDICAMENTOSA, etiology/ *FACIAL DERMATOSES/ FACIAL DERMATOSES, drug therapy/ FEMALE/ *GLUCOCORTICOIDS, adverse effects/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ OXYTETRACYCLINE, therapeutic use

3495. **Snel J:** Méthode de stress psycho-sociale et réponse physiologique chez le rat.
J Physiol (Paris) 65:Suppl:328A, Oct 72 (Fre)
ADRENAL CORTEX HORMONES, analysis/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ BENZENE DERIVATIVES, pharmacodynamics/ CHLORINE, pharmacodynamics/ GUINEA PIGS/ NITROGEN, pharmacodynamics/ RATS/ *STRESS, PSYCHOLOGICAL, physiopathology

3496. **Snell K, Walker DG:** Temporal aspects of glucose metabolism in the rat at birth.
Biochem J 130:6P-7P, Nov 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ CARBON ISOTOPES/ DACTINOMYCIN, pharmacodynamics/ *GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HYDROCORTISONE, pharmacodynamics/ LACTATES, metabolism/ LIVER, metabolism/ RATS

3497. **Snell KC, Hollander CF:** Tumors of the testes and seminal vesicles in Praomys (Mastomys) natalensis.
J Natl Cancer Inst 49:1381-93, Nov 72
ADENOCARCINOMA, PAPILLARY, pathology/ *ADENOCARCINOMA, PAPILLARY, veterinary/ ANIMAL EXPERIMENTS/ CARCINOSARCOMA, pathology/ *CARCINOSARCOMA, veterinary/ DISGERMINOMA, pathology/ DISGERMINOMA, veterinary/ MALE/ MICROSCOPY, ELECTRON/ *RODENT DISEASES, pathology/ RODENTS/ *SEMINAL VESICLES/ SEMINAL VESICLES, pathology/ TESTICULAR NEOPLASMS, pathology/ *TESTICULAR NEOPLASMS, veterinary/ TESTIS, pathology

3498. **Snoeijing R, Hardonk MJ:** [Relationship between l-asparaginase activity and the oncogenic power of different Agrobacterium tumefaciens mutants (Smith and Town.) Conn] Histochemie 33:323-32, 1973
*ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CELL FRACTIONATION/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ MALE/ METHODS/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology

3499. **Snyder SH, Meyerhoff JL:** How amphetamine acts in minimal brain dysfunction.
Ann NY Acad Sci 205:310-20, 28 Feb 73 (45 ref.)
*AMPHETAMINE, therapeutic use/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ *CATECHOLAMINES, metabolism/ CEREBRAL VENTRICLES, metabolism/ CHILD/ CHILD BEHAVIOR, drug effects/ DEXTRO AMPHETAMINE, therapeutic use/ DOPAMINE, metabolism/ HUMAN/ HYPOTHALAMUS, metabolism/ MEDULLA OBLONGATA, metabolism/ *MINIMAL BRAIN DYSFUNCTION, drug therapy/ MINIMAL BRAIN DYSFUNCTION, metabolism/ NOREPINEPHRINE, metabolism/ PONS, metabolism/ REVIEW/ SUBSTANTIA NIGRA, metabolism

3500. **Sobonya RE, Weaver JP, Anton AH:** Extra-adrenal epinephrine-producing pheochromocytoma with fatal shock.
Res Commun Chem Pathol Pharmacol 5:241-51, Jan 73
ADULT/ AORTIC DISEASES, pathology/ AUTOPSY/ CATECHOLAMINES, analysis/ CATECHOLAMINES, blood/ *EPINEPHRINE, analysis/ FEMALE/ HEART ATRIUM, analysis/ HUMAN/ KIDNEY, pathology/ MYOCARDIUM, analysis/ NEOPLASMS, pathology/ ORGAN WEIGHT/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, pathology/ SHOCK, etiology

3501. **Soffer RL, Hechtman P, Savage M:** L-Triiodothyronine aminotransferase. J Biol Chem 248:1224-30, 25 Feb 73
*AMINOTRANSFERASES, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ *KIDNEY, enzymology/ KINETICS/ *LIVER, enzymology/ LUNG, enzymology/ MICROSOMES, enzymology/ MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ MOLECULAR WEIGHT/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, enzymology/ TRIIODOTHYRONINE/ TYROSINE

3502. **Sokol AB, Aroujo TR:** Congenital syphilis, a new (old) diagnostic problem.
J Indiana State Med Assoc 66:23-9, Jan 73
BONE AND BONES, radiography/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT, NEWBORN/ SYPHILIS, CONGENITAL, complications/ *SYPHILIS, CONGENITAL, diagnosis/ SYPHILIS, CONGENITAL, radiography/ SYPHILIS SERODIAGNOSIS

3503. **Sokol SA:** Accelerated hypertension secondary to oral contraceptives.
J Maine Med Assoc 64:52-3 passim, Mar 73
ALDOSTERONE, metabolism/ ANGIOTENSIN, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, metabolism/ RENIN, metabolism

3504. **Sokoloff J, Berk RN:** The effect of prostaglandin E2 on bile flow and the hiliary excretion of iopanoic acid.
Invest Radiol 8:9-12, Jan-Feb 73
ANIMAL EXPERIMENTS/ BILE/ *CHOLECYSTOGRAPHY/ DOGS/ FEMALE/ *IOPANOIC ACID/ MALE/ *PROSTAGLANDINS, diagnostic use/ RHEOLOGY/ SECRETIN, antagonists & inhibitors

3505. **Soliman FA, Soliman MK, Ayoub LA:** Uptake of L-thyroxine-I 131 by the tissues of mice at various reproductive conditions.
Zentralbl Veterinaermed [A] 19:868-73, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ FERTILITY/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ MALE/ MICE/ *MUSCLES, metabolism/ *THYROXINE, metabolism

3506. **Soloff MS, Morrison MJ, Swartz TL:** A comparison of the estrone-estradiol-binding proteins in the plasmas of prepubertal and pregnant rats.
Steroids 20:597-608, Nov 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BINDING, COMPETITIVE/ *CARRIER PROTEINS, blood/ CARRIER PROTEINS, isolation & purification/ CARRIER PROTEINS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHEMISTRY, PHYSICAL/ DIALYSIS/ DIETHYLSTILBESTROL, metabolism/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ GEL FILTRATION/ MOLECULAR WEIGHT/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

3507. **Sommer G, Dominok G:** Uber Skleromalazie.
Klin Monatsbl Augenheilkd 161:545-51, Nov 72 (Ger)
AGED/ DEAFNESS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EYE DISEASES, diagnosis/ EYE DISEASES,

pathology/ FEMALE/ HUMAN/ INFLAMMATION/ NECROSIS/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOSCLEROSIS/ *SCLERA/ SCLERA, pathology/ SYNDROME/ ULCER, diagnosis

3508. **Sondergaard J, Jorgensen HP:** Blockade by polyphloretin phosphate of the prostaglandin E 1 -induced human cutaneous reaction.
Br J Dermatol 88:51-4, Jan 73
BRADYKININ, pharmacodynamics/ ERYTHEMA, chemically induced/ ERYTHEMA, pathology/ ERYTHEMA, prevention & control/ HISTAMINE, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ HUMAN/ INJECTIONS, INTRADERMAL/ INJECTIONS, INTRAVENOUS/ PHLORETIN, administration & dosage/ *PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS, antagonists & inhibitors/ *SKIN, drug effects/ SKIN, pathology

3509. **Sonnenberg H:** Proximal and distal tubular function in salt-deprived and in salt-loaded deoxycorticosterone acetate-escaped rats. J Clin Invest 52:263-72, Feb 73
ANIMAL EXPERIMENTS/ DESOXYCORTICOSTERONE, metabolism/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DIET, SALT-FREE/ GLOMERULAR FILTRATION RATE/ INULIN, diagnostic use/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ *NATRIURESIS, drug effects/ POTASSIUM, urine/ RATS/ *SODIUM, metabolism/ SODIUM, urine/ TRITIUM

3510. **Sonnenschein C, Posner M, Saududdin S, et al:** Estrogen-sensitive cell lines: uptake of labeled sex steroids and growth properties.
Exp Cell Res 78:41-6, 30 Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *CELL LINE, metabolism/ CLONE CELLS/ DIAPHRAGM/ *ESTRADIOL, metabolism/ FEMALE/ MALE/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/ PITUITARY NEOPLASMS/ PROLACTIN, blood/ RATS/ RATS, INBRED WF/ *TESTOSTERONE, metabolism/ TISSUE CULTURE/ TRITIUM/ UTERUS

3511. **Sordahl LA, McCollum WB, Wood WG, et al:** Mitochondria and sarcoplasmic reticulum function in cardiac hypertrophy and failure.
Am J Physiol 224:497-502, Mar 73
ANIMAL EXPERIMENTS/ AORTA, THORACIC/ BLOOD PRESSURE/ *CALCIUM, metabolism/ CONSTRICTION/ DISEASE MODELS, ANIMAL/ *HEART ENLARGEMENT, metabolism/ *HEART FAILURE, CONGESTIVE, metabolism/ HEART VENTRICLE/ IN VITRO/ MALE/ *MITOCHONDRIA, MUSCLE, metabolism/ *MYOCARDIUM, metabolism/ *OXIDATIVE PHOSPHORYLATION/ *OXYGEN CONSUMPTION/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism/ TIME FACTORS

3512. **Soszka S, Lotocki W:** Unerwienie adrenergiczne jajników szczura bialego.
Ginekol Pol 44:17-24, Jan 73 **(Pol)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ NOREPINEPHRINE, physiology/ *OVARY, innervation/ RATS/ SYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ *SYMPATHETIC NERVOUS SYSTEM, physiology

3513. **Soulairac A, Tangapregassom MJ, Tangapregassom AM:** Analyse électroencéphalographique sous-corticale des états de soif et de satiété chez le rat. C R Acad Sci [D] (Paris) 275:97-9, 3 Jul 72 **(Fre)**
ANIMAL EXPERIMENTS/ ATTENTION/ BEHAVIOR, ANIMAL/ *DIENCEPHALON, physiology/ ELECTROENCEPHALOGRAPHY/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ OLFACTORY BULB, physiology/ RATS/ *THIRST

3514. **Southern EM, Patel NC:** Prostaglandins and their clinical applications in human reproduction.
J Reprod Med 9:472-7, Dec 72
*ABORTION, INDUCED/ AMNIOTIC FLUID/ EVALUATION STUDIES/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ POPULATION CONTROL/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS/ VAGINA

3515. **Soutoul JH, Jallatte CS:** Le cyclofénil en pratique gynécologique.
Rev Fr Gynecol Obstet 67:343-52, May 72 (64 ref.) **(Fre)**
AMENORRHEA, drug therapy/ CONTRACEPTIVES, ORAL, administration & dosage/ CYCLOFENIL, administration & dosage/ CYCLOFENIL, therapeutic use/ DRUG INTERACTIONS/ FEMALE/ *FERTILITY AGENTS, therapeutic use/ FSH, secretion/ GIGANTISM, drug therapy/ GONADOTROPINS administration & dosage/ *GYNECOLOGIC DISEASES, drug therapy/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMUS, drug effects/ LH, secretion/ MENSTRUATION DISORDERS, drug therapy/ OVULATION, drug effects/ *PHENOLS, therapeutic use/ PROGESTATIONAL HORMONES, administration & dosage/ PUBERTY, drug effects/ REVIEW/ STERILITY, FEMALE, drug therapy

3516. **Souza JC de, Coutinho EM:** Control of fertility b monthyl injections of a mixture of norgestrel and long-acting estrogen. A preliminary report.
Contraception 5:395-9, May 72
ADOLESCENCE/ ADULT/ BODY WEIGHT, drug effects/ DELAYED-ACTION PREPARATIONS/ DRUG COMBINATIONS/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE/ FERTILITY, drug effects/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MENSTRUATION/ NORGESTREL, administration & dosage/ NORGESTREL, pharmacodynamics/ OVULATION/ SPECIAL LIST REPRODUCTION

3517. **Sovik O, Oseid S:** Studies in congenital generalize lipodystrophy. II. The effect of patients' plasma o glycogen synthesis in rat diaphragm and adipos tissue in vivo.
Acta Endocrinol (Kbh) 72:495-505, Mar 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADOLESCENCE/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ DIAPHRAGM, drug effects/ DIAPHRAGM, metabolism/ FEMALE/ GLUCOSE TOLERANCE TEST/ *GLYCOGEN, biosynthesis/ HUMAN/ INSULIN pharmacodynamics/ INSULIN, secretion/ *LIPODYSTROPHY, blood/ LIPODYSTROPHY, complications/ LIPODYSTROPHY, congenital/ LIPODYSTROPHY, metabolism/ MALE/ *MUSCLES, metabolism/ PREDIABETIC STATE, complications/ PUBERTY/ RATS/ SYNDROME/ TIME FACTORS

3518. **Sparkes RS, Weiss MC:** Expression of differentiate functions in hepatoma cell hybrids: alanine aminotransferase.
Proc Natl Acad Sci USA 70:377-81, Feb 73
*ALANINE AMINOTRANSFERASE, analysis/ CELL FRACTIONATION/ CELL LINE/ CLONE CELLS/ CYTOPLASM, enzymology/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ EPITHELIAL CELLS/ *HEPATOMA, enzymology/ *HYBRID CELLS, enzymology/ KARYOTYPING/ LIVER/ MITOCHONDRIA, enzymology/ RATS

3519. **Spasokukots'kiĭ IuO, Nischimenko OV:** Pro funktsional'nyĭ stan deiakykh endokrynnykh zaloz khvorykh na spinal'nu i endokrynnu formy porushennia statevoï funktsiï u vikovomi aspekt
Fiziol Zh 19:69-73, 1973 **(Uk**
ADULT/ *ENDOCRINE DISEASES,

complications/ ENGLISH ABSTRACT/ ESTROGENS, urine/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ *IMPOTENCE, etiology/ IMPOTENCE, urine/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *SPINAL DISEASES, complications

3520. **Spearman TN, Khandelwal RL, Hamilton IR:** Some regulatory properties of glycogen phosphorylase from Streptococcus salivarius.
Arch Biochem Biophys 154:306-13, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ CARBON ISOTOPES/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ FRUCTOSEPHOSPHATES, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GLUCOSEPHOSPHATES, biosynthesis/ GLUCOSEPHOSPHATES, pharmacodynamics/ GLYCOGEN, biosynthesis/ GLYCOGEN PHOSPHORYLASE, isolation & purification/ *GLYCOGEN PHOSPHORYLASE, metabolism/ KINETICS/ NUCLEOSIDES, pharmacodynamics/ NUCLEOTIDES, pharmacodynamics/ OYSTERS, enzymology/ PHOSPHORUS ISOTOPES/ POLYSACCHARIDES/ PYRUVATES, pharmacodynamics/ SODIUM, pharmacodynamics/ *STREPTOCOCCUS, enzymology/ STREPTOCOCCUS, metabolism

3521. **Spellacy WN, Buhi WC, Birk SA, et al:** The effects of estrogens, progestogen, oral contraceptives, and intrauterine devices on fasting triglyceride and insulin levels. Fertil Steril 24:178-84, Mar 73
CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, adverse effects/ ETHYNODIOL DIACETATE, adverse effects/ FASTING/ FEMALE/ HUMAN/ *INSULIN, blood/ *INTRAUTERINE DEVICES, adverse effects/ LIPIDS, metabolism/ MESTRANOL, adverse effects/ PROSPECTIVE STUDIES/ TIME FACTORS/ *TRIGLYCERIDES, blood

3522. **Spellacy WN, Buhi WC, Birk SA:** The effects of vitamin B6 on carbohydrate metabolism in women taking steroid contraceptives: preliminary report.
Contraception 6:265-73, Oct 72
ADULT/ BLOOD SUGAR, metabolism/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, adverse effects/ ETHYNODIOL DIACETATE, adverse effects/ EVALUATION STUDIES/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MESTRANOL, adverse effects/ NORGESTREL, adverse effects/ PYRIDOXINE, metabolism/ PYRIDOXINE, pharmacodynamics/ PYRIDOXINE DEFICIENCY, etiology/ SPECIAL LIST REPRODUCTION/ TRYPTOPHAN, metabolism/ TRYPTOPHAN OXYGENASE/ XANTHURENATES, blood

3523. **Spellacy WN, Gall SA:** Prostaglandin F 2 and oxytocin for term labor induction. J Reprod Med 9:300-3, Dec 72
APGAR SCORE/ BODY WEIGHT/ BRADYCARDIA, chemically induced/ CERVIX UTERI/ CESAREAN SECTION/ CLINICAL RESEARCH/ DIARRHEA, chemically induced/ EVALUATION STUDIES/ FEMALE/ FETAL HEART/ HUMAN/ INFANT, NEWBORN/ LABOR COMPLICATIONS, chemically induced/ *LABOR, INDUCED/ NAUSEA, chemically induced/ *OXYTOCIN/ PARITY/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, adverse effects/ VOMITING, chemically induced

3524. **Spencer RP:** Additional data on hepatic flow studies.
J Nucl Med 14:250, Apr 73
COLLOIDS, diagnostic use/ FEMALE/ HUMAN/ *LIVER, blood supply/ LIVER NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ SULFUR, diagnostic use/ TECHNETIUM, diagnostic use

3525. **Spennati G, Girotti F, Orzalesi MM:** Urinary excretion of 5-hydroxyindolacetic acid in low-birth-weight infants with and without phototherapy.
J Pediatr 82:286-8, Feb 73
BILIRUBIN, blood/ BIRTH WEIGHT/ BODY WEIGHT/ GESTATIONAL AGE/ HUMAN/ *HYDROXYINDOLEACETIC ACID, urine/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ *JAUNDICE, NEONATAL, prevention & control/ *LIGHT, therapeutic use/ PINEAL BODY, metabolism/ *SEROTONIN, metabolism

3526. **Sperling K, Kaden R, Grossgebauer K, et al:** Nachweismöglichkeiten von chromosomenschäden durch Cytostatica beim Menschen.
Arch Dermatol Forsch 244:430-4, 1972 (Ger)
CELLS, CULTURED/ *CHROMOSOMES, drug effects/ CHROMOSOMES, metabolism/ DNA, biosynthesis/ GERM CELLS/ HAPLOIDY/ HUMAN/ LYMPHOCYTES, drug effects/ MALE/ MEIOSIS, drug effects/ MITOSIS, drug effects/ RNA, biosyntbesis/ SEX CHROMOSOMES/ SPERMATOZOA, drug effects/ STERILITY, MALE/ *TRIAZIQUONE, adverse effects

3527. **Sperling K, Kaden R, Hirsch W:** A casuistic contribution to the XX male problem.
Humangenetik 17:145-54, 1973
ADULT/ AUTORADIOGRAPHY/ BIOPSY/ CYTOGENETICS/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ KARYOTYPING/ LEYDIG CELLS/ MALE/ MICROSCOPY, FLUORESCENCE/ SEX CHROMATIN/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ TESTIS, cytology

3528. **Spierto FW, Hubert IL, Witter RF:** Interlaboratory and intralaboratory comparison of T 3 -uptake methodology. Clin Chem 18:1355-9, Nov 72
COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES, DIAGNOSTIC/ ION EXCHANGE RESINS/ METHODS/ TEMPERATURE/ *THYROID GLAND FUNCTION TESTS/ TIME FACTORS/ *TRIIODOTHYRONINE, metabolism

3529. **Spilman CH, Duby RT:** Prostaglandin mediated luteolytic effect of an intrauterine device in sheep.
Prostaglandins 2:159-68, Sep 72
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, physiology/ DEPRESSION, CHEMICAL/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ESTRUS/ FEMALE/ FOREIGN BODY REACTION/ INDOMETHACIN, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ INTRAUTERINE DEVICES/ LH, blood/ ORGAN WEIGHT/ PROGESTERONE, metabolism/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ RADIOIMMUNOASSAY/ SHEEP/ SPECIAL LIST REPRODUCTION

3530. **Spilman CH, Larson LL, Concannon PW, et al:** Ovarian function during pregnancy in young and aged rabbits: temporal relationship between fetal death and corpus luteum regression. Biol Reprod 7:223-30, Oct 72
AGING/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ *CORPUS LUTEUM/ CORPUS LUTEUM, analysis/ FEMALE/ *FERTILITY/ FERTILIZATION/ *FETAL DEATH/ GESTATIONAL AGE/ ORGAN WEIGHT/ OVARY/ *OVARY, secretion/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTATIONAL HORMONES, blood/ *PROGESTATIONAL HORMONES, secretion/ PROGESTERONE, analysis/ *RABBITS/ TRITIUM

3531. **Spirescu I, Spirescu G, Chiriță S:** Biologia bomogrefei osoase liofilizate la maimuță.
Stomatologia (Bucur) 19:525-33, Nov-Dec 72 (Rum)
ANIMAL EXPERIMENTS/ *BONE AND BONES, transplantation/ *BONE REGENERATION/ CALCIFICATION, PHYSIOLOGIC/ ENGLISH ABSTRACT/

FREEZE DRYING/ MONKEYS/ TIBIA, surgery/ TRANSPLANTATION, HOMOLOGOUS

3532. **Spitz I, Bell J, Arad G, et al:** Development of anti-human FSH antibody in a patient with isolated FSH deficiency. J Clin Endocrinol Metab 36:684-90, Apr 73
ADULT/ AMMONIUM SULFATE, diagnostic use/ *ANTIBODY FORMATION/ DEFICIENCY DISEASES, drug therapy/ *DEFICIENCY DISEASES, immunology/ FEMALE/ *FSH/ HUMAN/ IGG/ INSULIN/ IODINE ISOTOPES/ LH/ MENOTROPINS, therapeutic use/ PRECIPITATION/ SOMATOTROPIN

3533. **Sprayregen S:** Parasitic blood supply of neoplasms. Mechanisms and significance.
Radiology 106:529-35, Mar 73
ADENOCARCINOMA, radiography/ ADRENAL GLAND NEOPLASMS, radiography/ AGED/ *ANGIOGRAPHY/ *BLOOD VESSELS, pathology/ CARCINOMA, radiography/ COLLATERAL CIRCULATION/ FEMALE/ HEPATOMA, radiography/ HUMAN/ KIDNEY NEOPLASMS, radiography/ LIVER NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ NEOPLASMS, pathology/ *NEOPLASMS, radiography

3534. **Sprenger E, Moore GW, Naujoks H, et al:** DNA content and chromatin pattern analysis on cervical carcinoma in situ. Acta Cytol (Baltimore) 17:27-31, Jan-Feb 73
*CARCINOMA IN SITU, pathology/ *CERVIX NEOPLASMS, pathology/ COMPUTERS, DIGITAL/ DIPLOIDY/ *DNA, NEOPLASM, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ METHODS/ *SEX CHROMATIN, analysis/ SPECTROPHOTOMETRY/ STAINS AND STAINING/ VAGINAL SMEARS

3535. **Sprenger F, Zimmermann H:** Uber primäre mediastinale Seminome. Bericht über zwei Seminome und ein Teratom mit Seminom.
Schweiz Med Wochenschr 102:1488-90, 14 Oct 72 (Ger)
ADOLESCENCE/ ADULT/ CYCLOPHOSPHAMIDE, therapeutic use/ *DISGERMINOMA/ DISGERMINOMA, drug therapy/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS/ MEDIASTINAL NEOPLASMS, drug therapy/ MEDIASTINAL NEOPLASMS, radiotherapy/ MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE/ NEOPLASM METASTASIS/ POSTOPERATIVE COMPLICATIONS/ *TERATOID TUMOR/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery

3536. **Srednicka-Zając D, Klepacki M, Lopuszyńska M:** Mięsak prążkowanokomórkowy szyi z przerzutami do płuc, serca i tarczycy.
Gruzlica 40:1191-7, 1972 (Pol)
AGED/ ENGLISH ABSTRACT/ HEART ATRIUM/ *HEART NEOPLASMS, diagnosis/ HUMAN/ *LUNG NEOPLASMS, diagnosis/ MALE/ *NECK NEOPLASMS, diagnosis/ NEOPLASM METASTASIS/ *RHABDOMYOSARCOMA, diagnosis/ *THYROID NEOPLASMS, diagnosis

3537. **Srivastava KC, Clausen J:** Synthesis of prostaglandins (PGE, PGF, PGA and PGB) in human platelets.
Lipids 7:762-5, Dec 72
*BLOOD PLATELETS, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ KINETICS/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood

3538. **Stabenfeldt GH, Hendrickx AG:** Progesterone studies in the Macaca fascicularis.
Endocrinology 92:1296-300, Apr 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ FEMALE/ MACACA/ *MENSTRUATION/ MONKEYS/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ TIME FACTORS/ TRITIUM

3539. **Stahl KW, Schlimme E, Schäfer G:** Liquid chromatographic analysis of nucleosides, purine base-modified adenosine derivatives and 3',5'-cyclic AMP. J Chromatogr 76:477-81, 28 Feb 73
ADENOSINE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *CHROMATOGRAPHY, ION EXCHANGE/ CYTIDINE, analysis/ GUANOSINE, analysis/ INOSINE, analysis/ METHODS/ MICROCHEMISTRY/ PURINES, analysis/ *RIBONUCLEOSIDES, analysis/ URIDINE, analysis

3540. **Stähl L, Zetterlund CG:** Retentio testis--ännu en gång.
Lakartidningen 70:379-80, 31 Jan 73 (Swe)
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS

3541. **Stähler E, Buchholz R, Spätling L, et al:** Zur Wirkung von LH auf den Stoffwechsel isoliert perfundierter menschlicher Ovarien.
Arch Gynaekol 213:162-75, 1972 (Ger)
ADENINE NUCLEOTIDES, metabolism/ ALANINE AMINOTRANSFERASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE, metabolism/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ IN VITRO/ LACTATES, metabolism/ LH, administration & dosage/ *LH, pharmacodynamics/ *OVARY, drug effects/ OVARY, enzymology/ OVARY, metabolism/ OXYGEN CONSUMPTION, drug effects/ PERFUSION/ PYRUVATES, metabolism/ STIMULATION, CHEMICAL

3542. **Stallcup OT:** Age changes in the relationship among certain endocrine glands of bovine males.
Growth 36:311-24, Dec 72
ADRENAL GLANDS, anatomy & histology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ BULBOURETHRAL GLANDS, anatomy & histology/ *CATTLE, anatomy & histology/ *ENDOCRINE GLANDS, anatomy & histology/ MALE/ ORGAN WEIGHT/ SEMINAL VESICLES, anatomy & histology/ TESTIS, anatomy & histology/ THYROID GLAND, anatomy & histology

3543. **Stamp TC:** Vitamin D metabolism. Recent advances.
Arch Dis Child 48:2-7, Jan 73 (59 ref.)
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, DIETARY, metabolism/ CHOLECALCIFEROL, biosynthesis/ CHOLECALCIFEROL, metabolism/ DIHYDROTACHYSTEROL, metabolism/ ERGOCALCIFEROL, metabolism/ ERGOSTEROL, metabolism/ FISHES/ HORMONES/ HUMAN/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, metabolism/ KERATIN/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ OSTEOMALACIA, etiology/ REVIEW/ RICKETS, etiology/ SEBACEOUS GLANDS, metabolism/ SKIN, metabolism/ SKIN ABSORPTION/ ULTRAVIOLET RAYS/ *VITAMIN D, metabolism

3544. **Stančáková A, Duriadová Z, Stančák A:** Der Einfluss von ACTH und Metopiron auf die Ausscheidung der Cortisol-Metaboliten bei endogener Depression im Verlauf der Thioridazin-Verabreichung.
Endokrinologie 60:205-17, 1972 (Ger)
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, secretion/ ADULT/ *CORTICOTROPIN, pharmacodynamics/ DEPRESSION, drug therapy/ *DEPRESSION, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ MALE/ *METYRAPONE, pharmacodynamics/ MIDDLE AGE/ THIORIDAZINE, pharmacodynamics/ *THIORIDAZINE, therapeutic use

3545. **Stangeland N:** Pemphigus mucosae.
Tidsskr Nor Laegeforen 92:1866-7, 10 Oct 72 (Nor

AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LARYNGEAL EDEMA, etiology/ MOUTH MUCOSA/ NASAL MUCOSA/ *PEMPHIGUS/ PEMPHIGUS, drug therapy/ PREDNISONE, therapeutic use/ STOMATITIS, etiology

3546. **Starkey RH, Hahn BH:** Rapid development of constrictive pericarditis in a patient with systemic lupus erythematosus. Chest 63:448-50, Mar 73
ACUTE DISEASE/ ADULT/ ANTIBODIES, analysis/ CASE REPORT/ DNA/ HUMAN/ LE CELLS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ PERICARDIAL EFFUSION, etiology/ PERICARDITIS, CONSTRICTIVE, drug therapy/ *PERICARDITIS, CONSTRICTIVE, etiology/ PERICARDITIS, CONSTRICTIVE, immunology/ PREDNISONE, therapeutic use

3547. **Starkova NT, Marova EI, Lemesheva SN, et al:** Vliianie difenina na funktsional'noe sostoianie kory nadpochechnikov u bol'nykh boiezn'iu Itsenko-Kushinga.
Probl Endokrinol (Mosk) 18:35-8, Nov-Dec 72 (Rus)
ADRENAL CORTEX HORMONES, metabolism/ *CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, metabolism/ CUSHING'S SYNDROME, physiopathology/ *DIPHENYLHYDANTOIN, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, secretion/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ METYRAPONE, diagnostic use/ PITUITARY-ADRENAL SYSTEM

3548. **Starkova NT, Merabishvili ML:** Vliianie klomifen-tsitrata na eiskretsiiu s mochoĭ gormona, stimuliruiushchego interstitsial'nye kletki u bol'nykh s testikuliarnoĭ nedostatochnost'iu.
Probl Endokrinol (Mosk) 18:19-22, Jul-Aug 72 (Rus)
ADOLESCENCE/ ADULT/ CITRATES/ CLOMIPHENE, diagnostic use/ *CLOMIPHENE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGONADISM/ *HYPOPITUITARISM/ *LH, urine/ MALE/ *PITUITARY GLAND FUNCTION TESTS/ *STERILITY, MALE

3549. **Šťastný F:** Hydrocortisone as a possible inductor of Na + -K + -ATPase in the chick embryo cerebral hemispheres. Effect of metopirone.
Physiol Bohemoslov 21:479-84, 1972
*ADENOSINE TRIPHOSPHATASE, biosynthesis/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CHICK EMBRYO/ ENZYME INDUCTION, drug effects/ *HYDROCORTISONE, pharmacodynamics/ *METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ POTASSIUM, metabolism/ SODIUM, metabolism

3550. **Staub JJ, Jenkins JS, Ratcliffe JG, et al:** Comparison of corticotrophin and corticosteroid response to lysine vasopressin, insulin, and pyrogen in man.
Br Med J 1:267-9, 3 Feb 73
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, secretion/ ADULT/ BLOOD SUGAR/ *CORTICOTROPIN, blood/ FEMALE/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ *INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ PITUITARY GLAND, drug effects/ *PYROGENS, pharmacodynamics/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ TIME FACTORS/ *VASOPRESSIN, pharmacodynamics

3551. **Stauffer HH:** The effect of oxygen on the frequency of somatic recombination in Drosophila melanogaster.
Genetics 72:277-91, Oct 72
AIR/ ANIMAL EXPERIMENTS/ DROSOPHILA MELANOGASTER, drug effects/ DROSOPHILA MELANOGASTER, growth & development/ DROSOPHILA MELANOGASTER, radiation effects/ FEMALE/ GENES, RECESSIVE/ GENOTYPE/ LARVA, drug effects/ LARVA, radiation effects/ MALE/ *MOSAICISM/ MUTATION/ NITROGEN, pharmacodynamics/ *OXYGEN, pharmacodynamics/ RADIATION EFFECTS/ *RECOMBINATION, GENETIC, drug effects/ SEX CHROMOSOMES

3552. **Steel E, Hinde RA:** Influence of photoperiod on PMSG-induced nest-building in canaries.
J Reprod Fertil 31:425-31, Dec 72
ANIMAL EXPERIMENTS/ *CANARIES, physiology/ FEATHERS/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *LIGET/ *NESTING BEHAVIOR/ OVULATION, drug effects/ PERIODICITY/ TIME FACTORS

3553. **Stefan Y:** Les cellules à hormones glycoprotidiques de l'hypophyse d'un rongeur d'Iran (Ellobius lutescens Th.) indentification des cellules thyréotropes et gonadotropes et corrélation avec l'hypogénitalisme mâle.
Gen Comp Endocrinol 19:572-81, Dec 72 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ GLYCOPROTEINS, metabolism/ *GONADOTROPINS, PITUITARY, secretion/ *HYPOGONADISM, physiopathology/ HYPOGONADISM, veterinary/ MALE/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ RODENT DISEASES, physiopathology/ *RODENTS, anatomy & histology/ TESTOSTERONE, physiology/ THIOURACIL, diagnostic use/ THYROTROPIN, secretion

3554. **Steffanoff DN:** Late development of squamous cell carcinoma in a split-skin graft lining a vagina. Case report. Plast Reconstr Surg 51:454-6, Apr 73
ADOLESCENCE/ ADULT/ *CARCINOMA, EPIDERMOID, etiology/ CASE REPORT/ FEMALE/ HUMAN/ *PSEUDOHERMAPHRODITISM/ SKIN, transplantation/ *TRANSPLANTATION, AUTOLOGOUS, adverse effects/ *VAGINA, surgery/ *VAGINAL NEOPLASMS, etiology

3555. **Steflea D, Ionescu N, Cojocaru V:** Corelaţii morfofuncţionale în hepatita experimentală sub tratament imunodepresiv.
Fiziol Norm Patol 19:85-94, Jan-Feb 73 (Rum)
ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ BLOOD PROTEINS, analysis/ *CARBON TETRACHLORIDE POISONING, complications/ ENGLISH ABSTRACT/ *HEPATITIS, ANIMAL, chemically induced/ *HEPATITIS, TOXIC, immunology/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ LIVER, pathology/ PREDNISONE, pharmacodynamics/ RATS/ SERUM ALBUMIN, analysis

3556. **Stein RB, Nicoloff JT:** Thyroid function in pregnancy.
Postgrad Med 53:72-7, Feb 73
FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ METHIMAZOLE, therapeutic use/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PROPYLTHIOURACIL, therapeutic use/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use

3557. **Steinberg AD, Allen PM, Jeffay H:** Distribution and metabolism of diphenylhydantoin in oral and nonoral tissues of ferrets. J Dent Res 52:267-70, Mar-Apr 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARNIVORA/ CEREBELLUM, metabolism/ COLORIMETRY/ DIPHENYLHYDANTOIN, analysis/ *DIPHENYLHYDANTOIN, metabolism/ GINGIVA, metabolism/ GINGIVAL HYPERPLASIA, metabolism/ INJECTIONS, INTRAPERITONEAL/ INTESTINES, metabolism/ MOUTH MUCOSA, metabolism/ SALIVA, metabolism/ SALIVARY GLANDS,

metabolism/ SKIN, metabolism/ SPECTROPHOTOMETRY/ TOLUENE/ TONGUE, metabolism

3558. **Steiner H, Piva F, Gavazzi G, et al:** Different patterns of thyrotropin (TSH)-release, TSH-resynthesis and of corticosterone depression after in vivo administration of thyrotropin-releasing hormone (TRH) and of an isosteric analog of TRH.
Horm Metab Res 4:484-8, Nov 72
ANIMAL EXPERIMENTS/ *CORTICOSTERONE, antagonists & inhibitors/ CORTICOSTERONE, blood/ FLUOROMETRY/ HUMAN/ IODINE ISOTOPES/ ISOMERISM/ PITUITARY GLAND, analysis/ RATS/ STRESS, blood/ THYROTROPIN, administration & dosage/ THYROTROPIN, analysis/ *THYROTROPIN, biosynthesis/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

3559. **Steinman RM, Cohn ZA:** The interaction of soluble horseradish peroxidase with mouse peritoneal macrophages in vitro. J Cell Biol 55:186-204, Oct 72
BINDING SITES/ *CELL MEMBRANE, metabolism/ CELLS, CULTURED/ CELLULAR INCLUSIONS, metabolism/ HALF-LIFE/ HISTOCYTOCHEMISTRY/ IODINE ISOTOPES/ IODOTYROSINE, metabolism/ LYSOSOMES, metabolism/ *MACROPHAGES, metabolism/ MICE/ PERITONEUM, cytology/ PEROXIDASES, analysis/ *PEROXIDASES, metabolism/ *PINOCYTOSIS/ PLANTS, enzymology/ PROTEIN BINDING/ SOLUBILITY/ TIME FACTORS

3560. **Steinmetz GT, Rebert CS:** Postreinforcement changes of steady potentials in premotor cortex of monkeys.
Physiol Behav 9:769-72, Nov-Dec 72
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ CONTINGENT NEGATIVE VARIATION/ *DRINKING/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEMALE/ *FRONTAL LOBE, physiology/ HYPOTHALAMUS, physiology/ MACACA/ MONKEYS/ REACTION TIME/ *REINFORCEMENT (PSYCHOLOGY)/ REWARD/ THALAMUS, physiology

3561. **Steinsland OS, Furchgott RF, Kirpekar SM:** Biphasic vasoconstriction of the rabbit ear artery.
Circ Res 32:49-58, Jan 73
ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ ARTERIES, innervation/ *ARTERIES, physiology/ CALCIUM, pharmacodynamics/ CONSTRICTION/ EAR, blood supply/ ELECTRIC STIMULATION/ HISTAMINE, pharmacodynamics/ IN VITRO/ MANGANESE, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PHENYLEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ SYMPATHETIC NERVOUS SYSTEM, physiology/ *VASOMOTOR SYSTEM, physiology

3562. **Stelling FH:** The hip in heritable conditions of connective tissue. Clin Orthop 90:33-49, Jan-Feb 73
ACETABULUM, abnormalities/ ACHONDROPLASIA, complications/ *BONE DISEASES, DEVELOPMENTAL/ BONE DISEASES, DEVELOPMENTAL, classification/ BONE DISEASES, DEVELOPMENTAL, etiology/ BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, radiography/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA, complications/ CLEIDOCRANIAL DYSOSTOSIS, complications/ *CONNECTIVE TISSUE/ CRANIOFACIAL DYSOSTOSIS, complications/ DWARFISM, complications/ ECCENTRO- OSTEOCHONDRODYSPLASIA, complications/ ELLIS-VAN CREVELD SYNDROME, complications/ EPIPHYSES, abnormalities/ EXOSTOSES, MULTIPLE, complications/ *HIP/ HIP, radiography/ HIP CONTRACTURE, etiology/ HIP DISLOCATION, CONGENITAL, etiology/ HUMAN/ LIPOCHONDRODYSTROPHY, familial & genetic/ NAIL-PATELLA SYNDROME, complications/ OSTEOGENESIS IMPERFECTA, complications/ RETINITIS PIGMENTOSA/ SYNDROME

3563. **Stenflo J, Ganrot PO:** Binding of Ca 2+ to normal and dicoumarol-induced prothrombin.
Biochem Biophys Res Commun 50:98-104, 4 Jan 73
ANIMAL EXPERIMENTS/ *BISHYDROXYCOUMARIN, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CATTLE/ DIALYSIS/ LIGANDS, pharmacodynamics/ MALE/ PRECIPITIN TESTS/ PROTEIN BINDING, drug effects/ PROTEIN CONFORMATION, drug effects/ PROTHROMBIN, isolation & purification/ *PROTHROMBIN, metabolism/ ULTRAFILTRATION

3564. **Stenlake JB, Taylor AJ, Templeton R:** The distribution and excretion of (5,6- 14 C)eicosa-5,8,11,14-tetraynoic acid in the rat. Xenobiotica 2:441-5, Sep 72
ADIPOSE TISSUE, analysis/ ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ ANTICHOLESTEREMIC AGENTS, metabolism/ ARACHIDONIC ACID, administration & dosage/ ARACHIDONIC ACID, blood/ *ARACHIDONIC ACID, metabolism/ ARACHIDONIC ACID, urine/ BILE, analysis/ CARBON DIOXIDE, analysis/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FECES, analysis/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INTESTINES, analysis/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MALE/ MYOCARDIUM, analysis/ NERVE TISSUE, analysis/ RATS/ RESPIRATION/ SKIN, analysis

3565. **Stephenson EM, Robinson ES, Stephenson NG:** Karyotypic variation within the genus Leiopelma (Amphibia: Anura).
Can J Genet Cytol 14:691-702, Sep 72
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ EVOLUTION/ FEMALE/ *FROGS/ FROGS, classification/ KARYOTYPING/ MALE/ MEIOSIS/ SEX CHROMOSOMES

3566. **Sterling K, Brenner MA, Saldanha VF:** Conversion of thyroxine to triiodothyronine by cultured human cells. Science 179:1000-1, 9 Mar 73
BIOTRANSFORMATION/ CELLS, CULTURED/ HUMAN/ IODINE ISOTOPES/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ TEMPERATURE/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, biosynthesis

3567. **Stern LZ, Gruener R, Amundsen P:** Diphenylhydantoin for steroid-induced muscle weakness.
JAMA 223:1287-8, 12 Mar 73
ARTHRITIS, RHEUMATOID, drug therapy/ *DIPHENYLHYDANTOIN, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *MUSCULAR DISEASES, chemically induced/ MUSCULAR DISEASES, drug therapy/ *PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use

3568. **Stern WC, Morgane PJ:** Effects of reserpine on sleep and brain biogenic amine levels in the cat.
Psychopharmacologia 28:275-86, 1973
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, blood/ BRAIN CHEMISTRY/ CATS/ DOPA, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ FEMALE/ NOREPINEPHRINE, analysis/ RESERPINE, pharmacodynamics/ *RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ *SLEEP, REM, drug effects/ WAKEFULNESS, drug effects

3569. **Sterne J, Le Guilcher S, Rousselet M:** Mobilisation du glycogène hépatique et cardiaque par les phényl-iminooxadiazols.

Therapie 27:517-27, May-Jun 72 (Fre)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GLYCOGEN, metabolism/ GUINEA PIGS/ HYPOPHYSECTOMY/ *IMINES, pharmacodynamics/ *LIVER GLYCOGEN, metabolism/ *MYOCARDIUM, metabolism/ *OXADIAZOLES, pharmacodynamics/ RATS

3570. **Stetson MH:** Recovery of gonadal function following hypothalamic lesions in Japanese quail. Gen Comp Endocrinol 20:76-85, Feb 73
ANIMAL EXPERIMENTS/ BRAIN MAPPING/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS, physiology/ MALE/ OVARY, growth & development/ *OVARY, physiology/ OVULATION/ *QUAIL, physiology/ *TESTIS, physiology/ TIME FACTORS

3571. **Stevanović DV:** Corticosteroid-induced atrophy of the skin with telangiectasia. A clinical and experimental study. Br J Dermatol 87:548-56, Dec 72
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ ATROPHY, chemically induced/ ATROPHY, pathology/ CHILD/ COLLAGEN/ ELASTIC TISSUE, pathology/ FEMALE/ FIBROBLASTS, drug effects/ FLUOCINOLONE ACETONIDE, toxicity/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ SKIN, pathology/ *SKIN DISEASES, chemically induced/ SKIN DISEASES, pathology/ *TELANGIECTASIS, chemically induced/ TELANGIECTASIS, pathology

3572. **Steven LW, Andrews JT, Arkles LB:** Experience with radioisotope scanning of the pancreas. Med J Aust 2:867-73, 14 Oct 72
ACUTE DISEASE/ ADENOCARCINOMA, diagnosis/ ADRENAL GLAND NEOPLASMS, complications/ ATROPHY, etiology/ CHRONIC DISEASE/ COLONIC NEOPLASMS, complications/ FOLLOW-UP STUDIES/ GOLD ISOTOPES/ HUMAN/ ISLET CELL TUMOR, diagnosis/ *PANCREATIC DISEASES, diagnosis/ PANCREATIC DISEASES, etiology/ PANCREATIC NEOPLASMS, diagnosis/ PANCREATITIS, diagnosis/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ SELENIUM/ SUBTRACTION TECHNIC/ THROMBOSIS, complications

3573. **Stevens J, Stevens YW, Behrens U, et al:** Role of nucleoside transport in glucocorticoid-induced regression of mouse lymphoma P1798. Biochem Biophys Res Commun 50:799-806, 5 Feb 73
CARBON ISOTOPES/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATES, metabolism/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ *LYMPHOMA, metabolism/ MICE/ NEOPLASMS, EXPERIMENTAL, metabolism/ NUCLEOSIDES, metabolism/ TRITIUM/ URIDINE, antagonists & inhibitors

3574. **Stevens J, Stevens YW, Hollander VP:** Early effects of glucocorticoid treatment on amino acid metabolism in lymphosarcoma P1798. Cancer Res 33:370-4, Feb 73
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ DEPRESSION, CHEMICAL/ FEMALE/ *FLUPREDNISOLONE, pharmacodynamics/ FLUPREDNISOLONE, therapeutic use/ LYMPHOSARCOMA, drug therapy/ *LYMPHOSARCOMA, metabolism/ MICE/ MICE, INBRED BALB C/ NEOPLASM PROTEINS, metabolism/ SARCOMA, EXPERIMENTAL, drug therapy/ SARCOMA, EXPERIMENTAL, metabolism/ TIME FACTORS/ TRITIUM

3575. **Stewart DR, Price RA, Nebesar R, et al:** Progressive peripheral fibromuscular hyperplasia in an infant: a possible manifestation of the rubella syndrome. Surgery 73:374-80, Mar 73
AMPUTATION/ CHILD, PRESCHOOL/ *FEMORAL ARTERY/ GANGRENE, etiology/ HUMAN/ HYPERPLASIA/ *ILIAC ARTERY/ INFANT/ LEG/ OSTEOPOROSIS, complications/ *RUBELLA, complications/ TOES/ *VASCULAR DISEASES, complications

3576. **Steyn J, Blair DW, Morales A:** Treatment of advanced carcinoma of the prostate by yttrium-90 ablation. S Afr Med J 47:179-80, 3 Feb 73
AGED/ CASTRATION/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY GLAND IRRADIATION/ PITUITARY GLAND IRRADIATION, adverse effects/ *PROSTATIC NEOPLASMS, therapy/ YTTRIUM ISOTOPES, therapeutic use

3577. **Steyn J, Morales A:** Clinical features of adenocarcinoma of the kidney. S Afr Med J 47:175-8, 3 Feb 73
ADENOCARCINOMA, complications/ *ADENOCARCINOMA, diagnosis/ ADULT/ AGED/ EMBOLISM, etiology/ FEMALE/ FEVER, etiology/ GASTROINTESTINAL DISEASES, etiology/ HEMATURIA, etiology/ HEPATOMEGALY, etiology/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERTENSION, RENAL, etiology/ KIDNEY NEOPLASMS, complications/ *KIDNEY NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEUROMUSCULAR DISEASES, etiology/ POLYCYTHEMIA, etiology/ SPLENOMEGALY, etiology/ VARICOCELE, etiology

3578. **Stinnakre J, Tauc L, Saito N:** Mise en évidence par la photoprotéine aequorine de variations de l'activité du calcium dans des neurones de l'aplysie. J Physiol (Paris) 65:Suppl:308A, Oct 72 (Fre)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ COELENTERATA/ LUMINESCENCE/ *MOLLUSCA, metabolism/ *NEURONS, metabolism/ PROTEINS, pharmacodynamics/ SEAWATER/ TISSUE EXTRACTS

3579. **Stinnakre MG:** Etude de l'action paradoxale des oestrogènes sur les cannaux de Wolff des foetus femelles de rat, à l'aide d'un anti-androgène, l'acétate de cyproteron. C R Acad Sci [D] (Paris) 275:101-3, 3 Jul 72 (Fre)
ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CLITORIS, drug effects/ CLITORIS, embryology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GENITALIA, FEMALE, drug effects/ GENITALIA, FEMALE, embryology/ GENITALIA, MALE, drug effects/ GENITALIA, MALE, embryology/ *17-HYDROXYCORTICOSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ *PREGNANES, pharmacodynamics/ PROPIONATES/ RATS/ VAGINA, drug effects/ VAGINA, embryology/ *WOLFFIAN DUCT, drug effects

3580. **Stinus L, Le Moal M, Cardo B:** Autostimulation et catécholamines. I. Intervention possible des deux "compartiments" (compartiment fonctionnel et compartiment de réserve. Physiol Behav 9:175-82, Aug 72 (Fre)
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ *CATECHOLAMINES, physiology/ CONDITIONING, OPERANT, drug effects/ ENGLISH ABSTRACT/ HYPOTHALAMUS, drug effects/ LOCOMOTION, drug effects/ MALE/ MESENCEPHALON, drug effects/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE/ RATS/ *SELF STIMULATION/ STEREOTAXIC TECHNICS/ TEGMENTUM MESENCEPHALI, drug effects

3581. **Stith RD, Bottoms GD:** Binding of 3 H-cortisol to cytosol and nuclear proteins in liver and thymus of pigs. Gen Comp Endocrinol 19:386-91, Dec 72
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ *CELL NUCLEUS, metabolism/ *CYTOSOL, metabolism/ FEMALE/ *HYDROCORTISONE, metabolism/ IN VITRO/ *LIVER, cytology/ LIVER, metabolism/ PROTEIN BINDING/ *PROTEINS, metabolism/ SWINE/ *THYMUS GLAND,

cytology/ THYMUS GLAND, metabolism/ TRITIUM

3582. **Stock AD:** Karyological relationships in turtles (Reptilia: Cheionia).
Can J Genet Cytol 15:859-68, Dec 72
ANIMAL EXPERIMENTS/ BLOOD CELLS/ *CHROMOSOMES/ FEMALE/ GONADS, cytology/ KARYOTYPING/ MALE/ MITOSIS/ SEX CHROMOSOMES/ SPLEEN, cytology/ *TURTLES

3583. **Stoeckel ME, Dellmann HD, Porte A, et al:** Corticotrophic cells in the rostral zone of the pars intermedia and in the adjacent neurohypophysis of the rat and mouse. An electron microscopic study.
Z Zellforsch Mikrosk Anat 136:97-110, 1973
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CELL MEMBRANE/ *CORTICOTROPIN/ CYTOPLASMIC GRANULES/ EPITHELIAL CELLS, cytology/ HISTOLOGY, COMPARATIVE/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MSH, secretion/ NERVE ENDINGS/ NEUROSECRETION/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, POSTERIOR, cytology/ RATS/ SYNAPSES, cytology/ TIME FACTORS

3584. **Stoffer SS, Jiang NS, Gorman CA, et al:** Plasma catecholamines in hypothyroidism and hyperthyroidism.
J Clin Endocrinol Metab 36:587-9, Mar 73
*CATECHOLAMINES, blood/ CHROMATOGRAPHY/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ METHODS/ PROSPECTIVE STUDIES/ THYROXINE, blood

3585. **Stojanov S:** Metopirontest bei Zyklusstörungen.
Zentralbl Gynaekol 94:1707-11, 9 Dec 72 (Ger)
ADOLESCENCE/ ADULT/ CORTICOTROPIN, urine/ ESTROGENS, diagnostic use/ FEMALE/ GONADOTROPINS, diagnostic use/ HUMAN/ HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *MENSTRUATION DISORDERS, diagnosis/ *METYRAPONE, diagnostic use

3586. **Stojanov S:** Cholinesterase bei den Zyklusstörungen.
Zentralbl Gynaekol 94:1830-3, 30 Dec 72 (Ger)
CHOLINESTERASE, blood/ *CHOLINESTERASE, metabolism/ FEMALE/ GONADOTROPINS, pharmacodynamics/ HUMAN/ *MENSTRUATION DISORDERS, enzymology/ OVARY, enzymology/ OVULATION/ PITUITARY GLAND, enzymology

3587. **Stolecke H, Huerne C ter:** Der Steroid-Glucose-Toleranz-Test (SGTT) im Kindesalter.
Z Kinderheilkd 114:55-67, 22 Jan 73 (Ger)
AGE FACTORS/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT/ METHODS/ PREDNISONE, diagnostic use

3588. **Stoll C, Muller P, Dellenbach P:** X deletion and primary amenorrhoea. Lancet 1:436, 24 Feb 73
*AMENORRHEA, familial & genetic/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KARYOTYPING/ *SEX CHROMOSOMES

3589. **Stoll R, Faucounau N, Maraud R:** L'action des androgènes stéroliques sur les canaux de Müller de l'embryon de poulet.
C R Soc Biol (Paris) 166:858-61, 1972 (Fre)
*ANDROGENS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ 17-KETOSTEROIDS, pharmacodynamics/ METHYLTESTOSTERONE, pharmacodynamics/ *MULLERIAN DUCTS, drug effects/ TESTOSTERONE, pharmacodynamics

3590. **Stolpa JB:** Bone induction: a synopsis of current theories. Ann Dent 31:78-80, Winter 72
ANIMAL EXPERIMENTS/ BONE AND BONES embryology/ *BONE DEVELOPMENT/ BONE REGENERATION/ CELL DIFFERENTIATION/ HUMAN/ MICE/ OSTEOGENESIS/ RABBITS

3591. **Stone GM, Pollard I:** The effect of actinomycin D on th binding of tritiated oestradiol-17 by the mouse vagina
J Reprod Fertil 32:344-5, Feb 73
ANIMAL EXPERIMENTS/ *BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ *DACTINOMYCIN, pharmacodynamics/ *ESTRADIOL, metabolism/ FEMALE/ IN VITRO/ MICE/ TETRAZOLIUM SALTS, pharmacodynamics/ TRITIUM/ UTERUS, metabolism/ *VAGINA, metabolism

3592. **Storch W:** Immunfluoreszenz in der Inneren Medizir
Z Gesamte Inn Med 27:1061-7, 15 Dec 72 (200 ref. (Ger
ADRENAL GLAND HYPOFUNCTION, immunology/ ANEMIA, PERNICIOUS, immunology/ ANTIBODIES, analysis/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, immunology/ CHRONIC DISEASE/ COLITIS, ULCERATIVE, immunology/ ENGLISH ABSTRACT/ *FLUORESCENT ANTIBODY TECHNIC/ GASTRITIS, immunology/ HEMATOLOGIC DISEASES, immunology/ HUMAN/ HYPOPARATHYROIDISM, immunology/ KIDNEY DISEASES, immunology/ LIVER DISEASES, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MYASTHENIA GRAVIS, immunology/ PURPURA, THROMBOPENIC, immunology/ REVIEW/ RHEUMATISM, immunology/ THROMBOANGIITIS OBLITERANS, immunology/ THYROIDITIS, LYMPHOMATOU immunology

3593. **Storlien LH, Albert DJ:** The effect of VMH lesion lateral cuts and anterior cuts of food intake, activi level, food motivation, and reactivity to tast
Physiol Behav 9:191-7, Aug 72
ANIMAL EXPERIMENTS/ APPETITE DISORDERS, physiopathology/ BODY WEIGH CONDITIONING, OPERANT/ DIET/ EATING/ *FEEDING BEHAVIOR/ FEMALE/ *HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ *MOTIVATION/ *MOTOR ACTIVITY/ OBESITY, physiopathology/ QUININE/ RATS/ REINFORCEMENT SCHEDULE/ SACCHARIN/ SEX FACTORS/ STEREOTAXIC TECHNICS/ *TASTE

3594. **Storring PL, Burns TW, Furnival BE, et al:** Lipolyt activity of human pituitary fractions on hum adipose tissue cells. J Endocrinol 55:543-54, Dec
*ADIPOSE TISSUE, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ GLYCERIN, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ *LIPIDS, metabolism/ METHODS/ *PITUITARY GLAN PITUITARY HORMONES, pharmacodynamics/ *THYROTROPIN, isolation & purification/ THYROTROPIN, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

3595. **Story MT, Melnykovych G:** Growth inhibition of mou lymphoma cells, L5178Y, in vitro, by glucocorticoid alterations in choline metabolism.
Exp Cell Res 77:437-49, 15 Mar 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ CARBON ISOTOPES/ CELL COUNT/ *CELL DIVISION, drug effects/ CELL LINE/ CELL SURVIVAL drug effects/ CHOLINE, antagonists & inhibitors/ CHOLINE, metabolism/ COLCHICINE, pharmacodynamics/ CYTOLOGICAL TECHNICS/ DEPRESSION, CHEMICAL/ DNA, biosynthesis/ LIPIDS, biosynthesis/ *LYMPHOMA, metabolism/ MICE/ MITOSIS, drug effects/ PREDNISOLONE, pharmacodynamics/ PROTEINS, biosynthesis/ THYMIDINE, metabolism/ THYMIDINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

3596. **Strakosch T, Hecker JF, Wodzicka-Tomaszewska M:** The effects of intra-uterine devices (IUDs) on ovarian function in sheep, with particular reference to the luteal function. J Reprod Fertil 32:324, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ *INTRAUTERINE DEVICES/ *OVARY, physiology/ *SHEEP, physiology

3597. **Strand CL, King RL, Echols WB:** Retropharyngeal parathyroid adenoma. JAMA 223:1040, 26 Feb 73
ABSCESS, diagnosis/ *ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, radiography/ PHARYNGEAL DISEASES, diagnosis

3598. **Strandberg K, Mathé AA, Fredholm B:** Protective effect of polyphloretin phosphate in anaphylaxis in the guinea pig. Life Sci [I] 11:701-12, 1 Aug 72
AEROSOLS/ AIRWAY RESISTANCE/ *ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBACHOL/ GUINEA PIGS/ HISTAMINE/ HISTAMINE LIBERATION/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ OVALBUMIN/ PHLORETIN, administration & dosage/ *PHLORETIN, therapeutic use/ PROSTAGLANDINS, antagonists & inhibitors/ SRS-A, antagonists & inhibitors/ STATISTICS

3599. **Stransky GC, Acosta AA, Kapian AL, et al:** Reticulum cell sarcoma of the cervix.
Obstet Gynecol 41:183-7, Feb 73
ADULT/ CERVIX NEOPLASMS, complications/ *CERVIX NEOPLASMS, pathology/ *CERVIX UTERI, pathology/ FEMALE/ HUMAN/ HYSTERECTOMY/ KIDNEY, abnormalities/ MENORRHAGIA, etiology/ OVARY, surgery/ PELVIS/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PROGNOSIS/ RADIOTHERAPY DOSAGE/ SARCOMA, RETICULUM CELL, complications/ *SARCOMA, RETICULUM CELL, pathology/ TIME FACTORS/ UTERUS, abnormalities/ VAGINAL SMEARS

3600. **Strickland AL:** Sweat electrolytes in thyroid disorders. J Pediatr 82:284-6, Feb 73
CHILD, PRESCHOOL/ *CHLORIDES, secretion/ ELECTRIC CONDUCTIVITY/ EVALUATION STUDIES/ GOITER, metabolism/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, metabolism/ INFANT/ MASS SCREENING/ PHOTOMETRY/ *SWEAT, analysis/ *THYROID DISEASES, metabolism

3601. **Strickland AL, Apland M, Bruton J:** Determination of serum testosterone and androstanediol by competitive protein binding. Steroids 21:27-46, Jan 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ANDROSTENES, blood/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ CARBON ISOTOPES/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ ENDOCRINE DISEASES, blood/ FEMALE/ HUMAN/ INFANT/ MALE/ METHODS/ PREGNANCY/ PROTEIN BINDING/ PUBERTY, PRECOCIOUS, blood/ SEX FACTORS/ SOLVENTS/ *TESTOSTERONE, blood/ TRITIUM

3602. **Strickland AL, Sprinz H:** Studies of the influence of estradiol and growth hormone on the hypophysectomized immature rat epiphyseal cartilage growth plate.
Am J Obstet Gynecol 115:471-7, 15 Feb 73
ANIMAL EXPERIMENTS/ ANTHROPOMETRY/ AUTORADIOGRAPHY/ *CARTILAGE, drug effects/ CARTILAGE, metabolism/ DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPIPHYSES, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMUR, growth & development/ *HYPOPHYSECTOMY/ MALE/ RATS/ *SOMATOTROPIN, pharmacodynamics/ THYMIDINE, metabolism/ TIBIA, growth & development/ TRITIUM

3603. **Stroev EA:** Vzaimootnoshenila formentov malatnogo i laktatnogo shuntov v tsitostrukturakh tireotoksicheskogo serdtsa.
Kardiologiia 12:97-100, Nov 72 **(Rus)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HEART DISEASES, etiology/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, enzymology/ *INSULIN, therapeutic use/ *LACTATE DEHYDROGENASE, metabolism/ *MALATE DEHYDROGENASE, metabolism/ MALE/ MITOCHONDRIA, MUSCLE, enzymology/ *MYOCARDIUM, enzymology/ OXIDATION-REDUCTION/ RATS

3604. **Stroev EA, Nikulin AA, Iliukhin VI:** Roi' gormonov shchitovidnoĭ zhelezy v indutsiruiushchem deĭstvii gidrokortizona i insulina.
Farmakol Toksikol 35:744-6, Nov-Dec 72 **(Rus)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ENZYME INDUCTION/ *HYDROCORTISONE, therapeutic use/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, enzymology/ *INSULIN, therapeutic use/ *LIVER, enzymology/ MALE/ RATS/ *THYROID HORMONES/ *TRYPTOPHAN OXYGENASE, biosynthesis

3605. **Stroev EA, Ukhova IuN:** Deĭstvie gidrokortizona i insulina na fermenty tkaneĭ v usloviiakh gipotireoza.
Farmakol Toksikol 36:89-92, Jan-Feb 73 **(Rus)**
*ALANINE AMINOTRANSFERASE, metabolism/ *ALDOLASE, metabolism/ ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ BRAIN, drug effects/ BRAIN, enzymology/ ENGLISH ABSTRACT/ HEART, drug effects/ *HYDROCORTISONE, pharmacodynamics/ *HYPOTHYROIDISM, enzymology/ *INSULIN, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, enzymology/ LIVER, drug effects/ LIVER, enzymology/ MALE/ MYOCARDIUM, enzymology/ RATS/ THYROIDECTOMY

3606. **Stroh JE Sr:** Anaphylaxis. J Asthma Res 10:61-4, Sep 72
AMINOPHYLLINE, therapeutic use/ *ANAPHYLAXIS, therapy/ DRUG HYPERSENSITIVITY, therapy/ EPINEPHRINE, therapeutic use/ FOOD HYPERSENSITIVITY, therapy/ GLUCOCORTICOIDS, therapeutic use/ HISTAMINE LIBERATION/ HUMAN/ IMMUNOTHERAPY/ INSECT BITES AND STINGS/ OXYGEN INHALATION THERAPY

3607. **Struthers NW:** An experimental model for evaluating drug effects on the ureter. Br J Urol 45:23-7, Feb 73
ANIMAL EXPERIMENTS/ DOGS/ FEMALE/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, physiology/ MEPERIDINE, pharmacodynamics/ METHODS/ MODELS, BIOLOGICAL/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ PHENYLEPHRINE, pharmacodynamics/ PRESSURE/ PROSTAGLANDINS, pharmacodynamics/ *URETER, drug effects/ URINARY CATHETERIZATION

3608. **Studer RK, Morgan J, Penkoske M, et al:** Regional vascular volume and extravascular accumulation of labeled protein during plasma volume expansion.
Am J Physiol 224:699-704, Mar 73
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CAPILLARY PERMEABILITY/ CEREBROVASCULAR CIRCULATION/ CORONARY CIRCULATION/ FEMALE/ INTERCELLULAR JUNCTIONS/ KIDNEY, blood supply/ KIDNEY, metabolism/ LIVER, metabolism/ LIVER CIRCULATION/ LUNG, metabolism/ MICROCIRCULATION/ MUSCLES,

blood supply/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *PLASMA VOLUME/ RATS/ REGIONAL BLOOD FLOW/ *SERUM ALBUMIN, metabolism/ SERUM ALBUMIN, RADIO-IODINATED/ SKIN, blood supply/ SKIN, metabolism

3609. **Stuic JJ, Rietveld WJ, Soeteman DW, et al:** The transplacental potential difference in guinea-pigs.
Biol Neonate 21:130-47, 1972
ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ BICARBONATES, administration & dosage/ BICARBONATES, blood/ BICARBONATES, pharmacodynamics/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ ELECTROCARDIOGRAPHY/ FEMALE/ FETAL DISEASES, physiopathology/ FETAL HEART/ GUINEA PIGS/ HEART RATE, drug effects/ HYDROCHLORIC ACID, administration & dosage/ HYDROCHLORIC ACID, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ *MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ *PLACENTA, physiology/ POTASSIUM, blood/ POTASSIUM CHLORIDE, administration & dosage/ POTASSIUM CHLORIDE, pharmacodynamics/ PREGNANCY/ TIME FACTORS

3610. **Stumpf B, Boie A, Seubert W:** In-vitro Stimulation der Gluconeogenese aus Pyruvat und der 14CO2-Fixierung in der Nierenrinde adrenalektomierter Ratten durch Dexamethasonphosphat und Vasopressin.
Hoppe Seylers Z Physiol Chem 353:1571-2, Oct 72 (Ger)
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, metabolism/ *DEXAMETHASONE, pharmacodynamics/ *GLUCONEOGENESIS/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ *PYRUVATES, metabolism/ RATS/ STIMULATION, CHEMICAL/ *VASOPRESSIN, pharmacodynamics

3611. **Stupfel M, Magnier M, Polianski J, et al:** Gravidité et mortalité de la souris par l'hypoxie et par l'oxyde de carbone. J Physiol (Paris) 65:Suppl 1:166A, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ANOXIA, mortality/ *CARBON MONOXIDE POISONING, mortality/ FEMALE/ MALE/ MICE/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, physiology/ SEX FACTORS

3612. **Sturgess J, Reid L:** An organ culture study of the effect of drugs on the secretory activity of the human bronchial submucosal gland. Clin Sci 43:533-43, Oct 72
ACETYLCYSTEINE, pharmacodynamics/ AUTORADIOGRAPHY/ BRADYKININ, pharmacodynamics/ *BRONCHI, drug effects/ BRONCHI, secretion/ BRONCHITIS, metabolism/ CELLS, CULTURED, drug effects/ CYSTIC FIBROSIS, metabolism/ EXPECTORANTS, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ GLUCOSE, metabolism/ *GLYCOPROTEINS, secretion/ HUMAN/ MUCOUS MEMBRANE, secretion/ ORGAN CULTURE/ PARASYMPATHOLYTICS, pharmacodynamics/ PARASYMPATHOMIMETICS, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics/ TRITIUM

3613. **Stüttgen G:** Immunsuppressiva.
Arch Dermatol Forsch 244:406-9, 1972 (Ger)
ADRENAL CORTEX HORMONES, classification/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ ANTILYMPHOCYTE SERUM, classification/ ANTINEOPLASTIC AGENTS, classification/ ARTERITIS, drug therapy/ BEHCET'S SYNDROME, drug therapy/ COLITIS, ULCERATIVE, drug therapy/ DERMATOMYOSITIS, drug therapy/ EPIDERMAL NECROLYSIS, TOXIC, drug therapy/ GRANULOMA, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS/ IMMUNOSUPPRESSIVE AGENTS, classification/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ PEMPHIGUS, drug therapy/ PERIARTERITIS NODOSA, drug therapy/ PYODERMA, drug therapy/ SCLERODERMA, SYSTEMIC, drug therapy/ SJOGREN'S SYNDROME, drug therapy/ TEMPORAL ARTERITIS, drug therapy/ WEGENER'S GRANULOMATOSIS, drug therapy

3614. **Stutz FH, Tormey DC, Blom J:** Nonbacterial pneumonitis with multidrug antineoplastic therapy in breast carcinoma.
Can Med Assoc J 108:710-4, 17 Mar 73
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ ADENOCARCINOMA, therapy/ ADRENALECTOMY/ ADULT/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ BREAST NEOPLASMS, therapy/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ *METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PNEUMONIA, chemically induced/ PNEUMONIA, physiopathology/ PNEUMONIA, radiography/ PREDNISONE, therapeutic use/ TIME FACTORS/ VINCRISTINE, therapeutic use

3615. **Stylos WA, Rivetz B:** Preparation of specific antiserum to prostaglandin A. Prostaglandins 2:103-13, Aug 7
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BACTERIOLOGICAL TECHNICS/ CATTLE/ CROSS REACTIONS/ DIPLOCOCCUS PNEUMONIAE, immunology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GAMMA GLOBULIN/ IMMUNE SERUMS/ IMMUNIZATION/ INJECTIONS, INTRAVENOUS/ METHODS/ PROSTAGLANDINS/ PROTEIN BINDING/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECIAL LIST REPRODUCTION/ TRITIUM/ TRYPSIN

3616. **Suarez Garcia A, Lorente Martinez A, Dopereiro Hall GI, et al:** Karzinoid des Duodenums. Literaturübersicht und Beschreibung eines neuen Falles.
Munch Med Wochenschr 114:2189-95, 22 Dec 72 (Ger
ADULT/ AGED/ CARCINOID TUMOR, complications/ *CARCINOID TUMOR, diagnosis/ CARCINOID TUMOR, history/ CARCINOID TUMOR, surgery/ DUODENAL NEOPLASMS, complications/ *DUODENAL NEOPLASMS, diagnosis/ DUODENAL NEOPLASMS, surgery/ DUODENAL OBSTRUCTION, etiology/ DUODENAL ULCER, complications/ ENGLISH ABSTRACT/ FEMALE/ GASTRIN, secretion/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HISTAMINE, secretion/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INSULIN, secretion/ JAUNDICE, OBSTRUCTIVE, etiology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PEPTIC ULCER PERFORATION, complications/ PEPTIDES, secretion/ PROGNOSIS/ SEROTONIN, secretion

3617. **Suchkov VV, Serebrovskaia IuA, Kramer AA, et al:** Rol pochek v patogeneze éksperimental'noĭ tserebro-ishemicheskoĭ gipertonii.
Kardiologiia 12:74-82, Oct 72 (Rus
ACUTE DISEASE/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ *CATECHOLAMINES, urine/ CEREBROVASCULAR CIRCULATION/ CEREBROVASCULAR DISORDERS, blood/ CEREBROVASCULAR DISORDERS, complications/ *CEREBROVASCULAR DISORDERS, physiopathology/

CEREBROVASCULAR DISORDERS, urine/ CHINCHILLAS/ CHRONIC DISEASE/ DOGS/ DOPAMINE, urine/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ ERYTHROCYTES, metabolism/ EXTREMITIES, blood supply/ *11-HYDROXYCORTICOSTEROIDS, blood/ *HYPERTENSION, etiology/ INTESTINE, SMALL, blood supply/ ISCHEMIA/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ MALE/ NOREPINEPHRINE, urine/ *POTASSIUM, blood/ RABBITS/ RADIOISOTOPE RENOGRAPHY/ REGIONAL BLOOD FLOW/ *RENIN, blood/ *SODIUM, blood

3618. **Sudakova AI, Vinogradova EI, Charushnikova GA:** O funktsional'nom sostoianii kory nadpochechnikov novorozhdennykh, rodivshikhsia u materei s pozdnim toksikozom beremennosti.
Vopr Okhr Materin Det 17:52-5, Jul 72 **(Rus)**
ADRENAL CORTEX HORMONES, urine/ *ADRENAL GLANDS, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN/ MALE/ PREGNANCY/ *PREGNANCY TOXEMIAS, complications/ TIME FACTORS

3619. **Sudová K, Langer P:** Simulation of short-term changes in thyroid function following a single dose of thiocyanate with the aid of an analogue computer.
Physiol Bohemoslov 21:511-6, 1972
*COMPUTERS, ANALOG/ IODINE, blood/ MATHEMATICS/ MODELS, BIOLOGICAL/ THIOCYANATES, blood/ *THIOCYANATES, diagnostic use/ THYROID GLAND, physiology/ *THYROID GLAND FUNCTION TESTS

3620. **Sugarman GI:** Syndrome of microcephaly, cataracts, kyphosis, and joint contractures versus Cockayne's syndrome. J Pediatr 82:351-2, Feb 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ *BRAIN, abnormalities/ *CATARACT, familial & genetic/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 6-12/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, familial & genetic/ FEMALE/ HUMAN/ *JOINT DISEASES, congenital/ *KYPHOSIS, familial & genetic/ MALE/ SYNDROME/ *TRISOMY

3621. **Sulimovici S, Lunenfeld B:** The effect of adenosine 3',5'-cyclic-monophospboric acid on the 17beta-bydroxysteroid debydrogenase of rat testis.
J Steroid Biocbem 3:781-90, Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ELECTRON TRANSPORT/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ IN VITRO/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ NAD, administration & dosage/ NAD, metabolism/ NADP, metabolism/ RATS/ TESTIS, cytology/ *TESTIS, enzymology/ TESTOSTERONE/ TESTOSTERONE, biosynthesis/ TRITIUM

3622. **Sun AM, Lin BJ, Haist RE:** Studies on the effects of growtb bormone and tbyroxine on proinsulin syntbesis and insulin formation in the isolated islets of Langerhans of the rat.
Can J Pbysiol Pharmacol 50:1147-51, Dec 72
ANIMAL EXPERIMENTS/ *INSULIN, biosyntbesis/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ LEUCINE, metabolism/ *PROINSULIN, biosynthesis/ PROTEINS, analysis/ RATS/ *SOMATOTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

3623. **Sutherland GR, Wiener S, Bartholomew AA:** A male witb karyotype 46,XX.
Ann Genet (Paris) 15:187-9, Sep 72
ADULT/ CASE REPORT/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MENTAL RETARDATION/ PHENOTYPE

3624. **Sutter-Dub T, Leclercq R, Félix JM, et al:** Inhibition par la progestérone de l'action de l'insuline chez la ratte gestante. J Pbysiol (Paris) 65:Suppl 1:167A, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BLOOD SUGAR/ FEMALE/ GLUCOSE, metabolism/ HUMAN/ *INSULIN, antagonists & inhibitors/ INSULIN, pharmacodynamics/ MUSCLES, metabolism/ *PREGNANCY/ PREGNANCY, ANIMAL/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ RATS

3625. **Suzawa A:** [Clinical study of the effect of xylitol on adrenal cortex function]
Clin Endocrinol (Tokyo) 20:1091-9, Dec 72 **(Jap)**
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADULT/ AGED/ BETAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ *XYLITOL, pharmacodynamics/ XYLITOL, therapeutic use

3626. **Suzuki M, Takahashi T, Abe T:** The effect of chemical ovulation-inducing substances on gonadotropin secretion in incubation experiments of the anterior pituitary. Tohoku J Exp Med 108:123-31, Oct 72
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ *CLOMIPHENE, pharmacodynamics/ *CYCLOHEXANE, pharmacodynamics/ F 6066, pharmacodynamics/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ IN VITRO/ LH, secretion/ MALE/ OVULATION, drug effects/ PIGEONS/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PLANT EXTRACTS, pharmacodynamics/ *PLANTS, MEDICINAL/ PROLACTIN, secretion/ RATS/ STIMULATION, CHEMICAL/ TISSUE CULTURE

3627. **Suzuki M, Tnemoto Y, Takahashi K:** The effect of copper salts on ovulation, especially on bypothalamic ovulatory hormone releasing factor.
Tohoku J Exp Med 108:9-18, Sep 72
ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ *COPPER, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ *HYPOTHALAMUS, secretion/ LH, analysis/ LH, blood/ LH, secretion/ OVARY, analysis/ *OVULATION, drug effects/ PITUITARY GLAND, analysis/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RABBITS/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, administration & dosage/ TISSUE EXTRACTS, pharmacodynamics

3628. **Suzuki T, Oyama K, Nakamura T:** Observations of microcirculation in tbe mesentery of DCA hypertensive rats. Microvasc Res 5:20-33, Jan 73
ANIMAL EXPERIMENTS/ *CAPILLARIES, physiopathology/ CELL MOVEMENT/ DESOXYCORTICOSTERONE/ ERYTHROCYTES, ABNORMAL/ HEMOLYSIS/ HYPERTENSION, chemically induced/ HYPERTENSION, pathology/ *HYPERTENSION, physiopathology/ MALE/ MESENTERIC ARTERIES, physiopathology/ MESENTERIC VEINS, physiopathology/ *MESENTERY, blood supply/ *MICROCIRCULATION/ MOTION PICTURES/ NEPHRECTOMY/ RATS/ TIME FACTORS

3629. **Suzuki Y:** [HGH response to insulin-induced bypoglycemia in healthy subjects and obesity]
Folia Endocrinol Jap 48:443-54, 20 Sep 72 **(Jap)**
ADULT/ AGE FACTORS/ AGED/ BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ INSULIN/ MALE/ MIDDLE AGE/ *OBESITY, blood/ SEX FACTORS

3630. **Suzuki Y, Nakamura R, Ueda T:** Accumulation of strontium and calcium in freshwater fishes of Japan.

J Radiat Res (Tokyo) 13:199-207, Dec 72
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CYPRINIDAE/ *FISHES, metabolism/ FRESH WATER/ JAPAN/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES, metabolism

3631. **Svanberg L, Astedt B, Gynning I, et al:** Fibrin degradation products during postoperative radiotherapy of ovarian carcinoma.
Acta Obstet Gynecol Scand 52:141-5, 1973
ADULT/ ARRHENOBLASTOMA/ ASCITIC FLUID, analysis/ FEMALE/ *FIBRIN, metabolism/ *FIBRINOGEN, metabolism/ HUMAN/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery

3632. **Swaab DF, Boer K:** The presence of biologically labile compounds during ischemia and their relationship to the EEG in rat cerebral cortex and hypothalamus.
J Neurochem 19:2843-53, Dec 72
ADENOSINE DIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ BRAIN, blood supply/ *CEREBRAL CORTEX, metabolism/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ GLUCOSE, analysis/ GLYCOGEN, analysis/ *HYPOTHALAMUS, metabolism/ *ISCHEMIA, metabolism/ LACTATES, analysis/ MALE/ PHOSPHOCREATINE, analysis/ PYRUVATES, analysis/ RATS/ TELEMETRY/ TIME FACTORS

3633. **Swales JD, Thurston H, Queiroz FP, et al:** Faecal sodium-potassium ratio and aldosteronism in experimental hypertension in the rat.
Clin Sci 43:577-81, Oct 72
ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ *FECES, metabolism/ FEMALE/ HYPERALDOSTERONISM, complications/ *HYPERALDOSTERONISM, metabolism/ HYPERTENSION, complications/ *HYPERTENSION, metabolism/ KIDNEY, metabolism/ KIDNEY, physiology/ NEPHRECTOMY/ *POTASSIUM, metabolism/ RATS/ RENAL ARTERY, physiology/ *SODIUM, metabolism/ SPIRONOLACTONE, pharmacodynamics

3634. **Swanson EW, Miller JK:** Problems in estimating thyroxine secretion rates in cattle.
J Dairy Sci 56:195-201, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ DIET/ FEMALE/ INJECTIONS, INTRAVENOUS/ IODINE, administration & dosage/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN-BOUND IODINE TEST, veterinary/ SECRETORY RATE/ *THYROID GLAND, secretion/ *THYROID GLAND FUNCTION TESTS, veterinary/ THYROXINE, administration & dosage/ THYROXINE, blood/ *THYROXINE, secretion

3635. **Swaroop S, Krant MJ:** Rapid estrogen-induced hypercalcemia. JAMA 223:913-4, 19 Feb 73
ADMINISTRATION, ORAL/ AGED/ BLOOD UREA NITROGEN/ BONE NEOPLASMS, drug therapy/ BREAST NEOPLASMS, drug therapy/ CALCIUM, blood/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, adverse effects/ FEMALE/ HUMAN/ *HYPERCALCEMIA, chemically induced/ MIDDLE AGE/ NEOPLASM METASTASIS/ TIME FACTORS

3636. **Swerdlow M:** Althesin--a new intravenous anaesthetic.
Can Anaesth Soc J 20:186-91, Mar 73
ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ *ANESTHETICS/ ANESTHETICS, administration & dosage/ ANESTHETICS, adverse effects/ CHILD/ EVALUATION STUDIES/ HUMAN/ MIDDLE AGE/ *PREGNANES/ PREGNANES, administration & dosage/ PREGNANES, adverse effects

3637. **Swonger AK, Rech RH:** Serotonergic and cholinergic involvement in habituation of activity and spontaneous alternation of rats in a Y maze.
J Comp Physiol Psychol 81:509-22, Dec 72
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DEXTRO AMPHETAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRIVE, drug effects/ DRUG SYNERGISM/ EXPLORATORY BEHAVIOR, drug effects/ *HABITUATION (PSYCHOPHYSIOLOGY), drug effects/ HYDROXYTRYPTOPHAN, pharmacodynamics/ LOCOMOTION, drug effects/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ RATS/ SCOPOLAMINE, pharmacodynamics/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism

3638. **Syed IB, Hosain F, Wagner HN Jr:** Development o barium-135m radiopharmaceutical for skeletal imaging. Nucl Med (Stuttg) 11:291-301, 15 Nov 7
ANIMAL EXPERIMENTS/ BARIUM, administration & dosage/ BARIUM, blood/ *BARIUM, diagnostic use/ BARIUM, metabolism/ BARIUM, toxicity/ *BONE AND BONES, metabolism/ *BONE NEOPLASMS, diagnosis/ BREAST NEOPLASMS, diagnosis/ EVALUATION STUDIES/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MICE/ NEOPLASM METASTASIS/ OSTEITIS DEFORMANS, diagnosis/ RADIATION DOSAGE/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ RADIOMETRY/ RATS

3639. **Sykes JA, Miller JN:** Ultrastructural studies of treponemes: location of axial filaments and som dimensions of Treponema pallidum (Nichols strain) Treponema denticola, and Treponema reiteri.
Infect Immun 7:100-10, Jan 73
ANIMAL EXPERIMENTS/ BACTERIOLOGICAL TECHNICS/ *MICROSCOPY, ELECTRON/ RABBITS/ TESTIS, microbiology/ *TREPONEMA, cytology/ *TREPONEMA PALLIDUM, cytology

3640. **Symms KG, Juchau MR:** Mechanism of aromatic nitr group reduction in the soluble fraction of huma placenta. Biochem Pharmacol 21:2519-27, 15 Sep 7
AMINOBENZOIC ACID, metabolism/ AMMONIUM SULFATE/ CARBON MONOXIDE pharmacodynamics/ DIALYSIS/ FEMALE/ FMN, metabolism/ HUMAN/ IN VITRO/ METHEMOGLOBIN, metabolism/ NADP, metabolism/ NITRO COMPOUNDS, metabolism NITROBENZENES, metabolism/ OXIDATION-REDUCTION/ OXIDOREDUCTASES, antagonists & inhibitors, OXIDOREDUCTASES, metabolism/ OXYGEN, pharmacodynamics/ PLACENTA, enzymology/ *PLACENTA, metabolism/ PREGNANCY/ PROTEINS, analysis/ ULTRAFILTRATION

3641. **Synenki RM, Eisen EJ, Matrone G, et al:** Thyroi activity in lines of mice selected for large and smal body weight. Can J Genet Cytol 14:483-94, Sep 7
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ CROSSES, GENETIC/ FEMALE/ IODINE ISOTOPES, DIAGNOSTIC, metabolism/ MALE/ MICE/ MICE, INBRED STRAINS/ RADIOMETRY/ SELECTION (GENETICS)/ *THYROID GLAND, physiology/ TIME FACTORS

3642. **Szabó I, Nád E, Szabó C:** Pole reversals and hypothalamic self-stimulation: ascending spread o rewarding excitation. Physiol Behav 9:147-50, Aug 7
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ MALE/ *NEURAL CONDUCTION/ NEURONS, physiology/ RATS/ *REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS

3643. **Szabó I, Rożowska E, Kolta P:** Influence of contingent amygdaloid stimulation on lateral hypothalamic medial forebrain bundle self-stimulation.
Physiol Behav 9:839-49, Nov-Dec 72
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MALE/ MOTIVATION/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, physiology/ RATS/ REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS/ THALAMUS, physiology

3644. **Szadkowski A, Rzepecki J:** Gruczolaki tarczycy.
Wiad Lek 26:117-20, 15 Jan 73 (Pol)
*ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ RECURRENCE/ SEX FACTORS/ *THYROID NEOPLASMS, surgery

3645. **Szalach E:** Owrzodzenia sterydowe.
Pol Przegl Chir 45:83-6, Jan 73 (20 ref.) (Pol)
ADDISON'S DISEASE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, adverse effects/ CORTISONE, administration & dosage/ CORTISONE, adverse effects/ CUSHING'S SYNDROME/ DOGS/ FEMALE/ GASTRIC MUCOSA, metabolism/ HUMAN/ MALE/ PEPSIN, physiology/ PEPSIN, secretion/ *PEPTIC ULCER, chemically induced/ REVIEW/ TIME FACTORS/ VAGOTOMY/ VAGUS NERVE, physiology

3646. **Szalay GC:** Adrenal hypoplasia.
Am J Clin Pathol 59:120, Jan 73
*ADRENAL GLANDS, abnormalities/ *BIRTH WEIGHT/ *GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY

3647. **Szego CM:** Lysosomal membrane stabilization and antiestrogen action in specific hormonal target cells.
Gynecol Invest 3:83-95, 1972
ACID PHOSPHATASE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCURONIDASE, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYDROLASES, metabolism/ *LYSOSOMES, drug effects/ LYSOSOMES, enzymology/ *MEMBRANES, drug effects/ MODELS, BIOLOGICAL/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ RIBONUCLEASE, metabolism/ UTERUS, drug effects

3648. **Szelényi I:** Magnesium and its significance in cardiovascular and gastro-intestinal disorders.
World Rev Nutr Diet 17:189-224, 1973 (181 ref.)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS/ BLOOD COAGULATION/ *CARDIOVASCULAR DISEASES/ CARDIOVASCULAR DISEASES, drug therapy/ CARDIOVASCULAR DISEASES, metabolism/ DIET THERAPY/ FOOD ANALYSIS/ *GASTROINTESTINAL DISEASES/ GASTROINTESTINAL DISEASES, drug therapy/ GASTROINTESTINAL DISEASES, metabolism/ HEART DISEASES/ HEART FAILURE, CONGESTIVE/ HORMONES, physiology/ HUMAN/ HYPERTENSION/ LIVER DISEASES/ *MAGNESIUM/ MAGNESIUM, metabolism/ MAGNESIUM, physiology/ MAGNESIUM, therapeutic use/ MAGNESIUM DEFICIENCY/ MYOCARDIAL INFARCT/ NUTRITION/ NUTRITIONAL REQUIREMENTS/ REVIEW

3649. **Szontágh F, Resch B, Keserü T, et al:** Selective puncture of structures in the true pelvis. Diagnostic and therapeutic significance.
Acta Chir Acad Sci Hung 13:41-9, 1972
ADNEXITIS, surgery/ ASCITIC FLUID/ FEMALE/ *GYNECOLOGIC DISEASES, surgery/ HUMAN/ OVARIAN CYSTS, surgery/ PARAMETRITIS, surgery/ PREGNANCY, TUBAL, surgery/ *PUNCTURES

3650. **Sztachelska I:** Wyniki badań czynnościowych drobnych naczyń skóry w niektórych przewlekłych chorobach u dzieci. Pediatr Pol 48:39-49, Jan 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ *BLOOD VESSELS, physiopathology/ CHILD/ CHRONIC DISEASE/ DWARFISM, PITUITARY, physiopathology/ ENGLISH ABSTRACT/ GROWTH DISORDERS, physiopathology/ HUMAN/ HYPERTHYROIDISM, physiopathology/ *SKIN, blood supply/ SKIN TEMPERATURE/ TACHYCARDIA, PAROXYSMAL, physiopathology

3651. **Szücs J:** Furosemidbelastung, ein neues Verfahren in der Diagnostik des funktionierenden Parathyreoid-Adenoms.
Acta Chir Acad Sci Hung 13:33-9, 1972 (Ger)
*CALCIUM, blood/ *FUROSEMIDE, diagnostic use/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis

T

3652. **Tabei T, Heinrichs WL:** Enzymatic oxidation and reduction of C 19-delta 5-3 beta-hydroxysteroids by hepatic microsomes. II. Effect of age in rats on 16,17-oxido-reduction of 3 beta-hydroxyandrost-5-en-17-one (DHA).
Endocrinology 92:1161-4, Apr 73
*AGING/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ *HYDROXYLASES, metabolism/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ MALE/ *MICROSOMES, LIVER, enzymology/ ORGAN WEIGHT/ OXIDATION-REDUCTION/ PROTEINS, analysis/ RATS/ SEX FACTORS

3653. **Tabolin VA, Fadeeva MA, Dukarskiĭ FG, et al:** Funktsii kory nadpochechnikov i metabolizm C-21-steroidov pri mukovistsidoze u detei.
Vopr Okhr Materin Det 17:41-4, Sep 72 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, secretion/ *ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENAL GLANDS, physiopathology/ CHILD/ CHILD, PRESCHOOL/ *CYSTIC FIBROSIS, complications/ CYSTIC FIBROSIS, physiopathology/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, secretion/ HUMAN/ INFANT/ MINERALOCORTICOIDS, secretion

3654. **Tabolin VA, Lukina LI, Golovatskaia GI, et al:** Nekotorye osobennosti funktsii kory nadpochechnikov u novorozhdennykh ot materei s patologiei nadpochechnikov.
Vopr Okhr Materin Det 17:48-52, Jul 72 (Rus)
*ADRENAL GLAND DISEASES/ *ADRENAL GLANDS, physiology/ *ADRENALECTOMY/ ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ STRESS

3655. **Tachikawa S, Yokoyama T, Mitsufuji M, et al:** [Case associated with multiple pulmonary embolism containing extra-uterine chorioepithelioma cells]
Respir Circ (Tokyo) 21:169-72, Feb 73 (Jap)
ADULT/ AUTOPSY/ CHORIOCARCINOMA, complications/ *CHORIOCARCINOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *NEOPLASM CIRCULATING CELLS/ PULMONARY EMBOLISM, etiology/ *PULMONARY EMBOLISM, pathology

3656. **Tait AD:** Characterization of the products from the oxidation of progesterone with osmium tetroxide.
Steroids 20:531-42, Nov 72

ACETYLATION/ CHEMISTRY/ GLYCOLS, chem synthesis/ HYDROGEN PEROXIDE/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, chem synthesis/ KETOSTEROIDS/ KETOSTEROIDS, chem synthesis/ KINETICS/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATORY DISPERSION/ OSMIUM/ OXIDATION-REDUCTION/ PREGNENES/ PREGNENES, chem synthesis/ *PROGESTERONE

3657. **Tajmírová O, Klein D, Vršanský V:** Frekvencia a distribucia satelitov u rodičov detí s numerickými chromozómovými aberáciami v porovnaní s rodičmi zdravých detí.
Bratisl Lek Listy 58:517-24, 5 Nov 72 **(Cze)**
ADULT/ CHILD/ *CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ TRISOMY

3658. **Takagi N, Oshimura M:** Fluorescence and Giemsa banding studies of the allocyclic X chromosome in embryonic and adult mouse cells.
Exp Cell Res 78:127-35, 30 Mar 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS/ CHROMATIDS/ EMBRYO, cytology/ EVALUATION STUDIES/ FEMALE/ FIBROBLASTS/ FLUORESCENT DYES/ *GENETIC TECHNICS/ LUNG, cytology/ METHODS/ MICE/ MICE, embryology/ MITOSIS/ QUINACRINE/ *SEX CHROMOSOMES/ STAINS AND STAINING/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

3659. **Takagi S, Yoshida T, Den K, et al:** [Survival of fertilized ova and hormonal dynamics]
Clin Endocrinol (Tokyo) 20:701-8, Sep 72 (8 ref.) **(Jap)**
ABORTION, blood/ CORPUS LUTEUM HORMONES, blood/ ESTRADIOL, blood/ ESTRIOL, blood/ ESTROGENS, blood/ ESTROGENS, physiology/ FEMALE/ *FERTILIZATION/ *HORMONES, physiology/ HUMAN/ LABOR, PREMATURE, blood/ NIDATION/ *OVUM/ *PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, physiology/ REVIEW

3660. **Takahashi T, Namiki A, Ogawa H, et al:** [Clinical studies of a new steroid anesthetic, CT-1341 (Althesin-Glaxo). 1]
Jap J Anesthesiol 21:1232-9, Nov 72 **(Jap)**
ADULT/ *ANESTHESIA, INTRAVENOUS/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYSTEROIDS/ KETOSTEROIDS/ *PREGNANES

3661. **Takano T, Numano F, Shimamoto T:** [Urinary estrogens. I. Urinary estrogens of women with normal menstrual cycles analysed by anion exchange column chromatography and gas chromatography and identified by gas chromatography and mass spectrometry]
Folia Endocrinol Jap 49:32-47, 20 Jan 73 **(Jap)**
ADOLESCENCE/ ADULT/ *CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, ION EXCHANGE/ ENGLISH ABSTRACT/ ESTRADIOL, urine/ ESTRIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ GLUCURONATES/ GLUCURONIDASE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MASS SPECTRUM ANALYSIS/ MENSTRUATION/ *SPECTRUM ANALYSIS/ SULFATASES

3662. **Takasugi N, Furukawa M:** Inhibitory effect of androgen on induction of permanent changes in the testis by neonatal injections of estrogen in mice.
Endocrinol Jap 19:417-22, Oct 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DEPRESSION, CHEMICAL/ *ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ SESAME OIL/ SPERMATOGENESIS, drug effects/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ TESTIS, pathology/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

3663. **Takasugi N, Mitsuhashi Y:** Effects of gonadotropins on the occurrence of permanent changes in the testis of mice given neonatal estrogen injections.
Endocrinol Jap 19:423-8, Oct 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DEPRESSION, CHEMICAL/ *ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ GONADOTROPINS, administration & dosage/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, pathology/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, pathology

3664. **Takayanagi I, Ishida Y, Takagi K:** Effect of acetylcholine on desensitization of isolated rat trachea to 5-hydroxytryptamine--a possible allosteric interaction between drug receptors.
Jap J Pharmacol 22:701-6, Oct 72
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ *TACHYPHYLAXIS, drug effects/ TETRODOTOXIN, pharmacodynamics/ *TRACHEA, drug effects/ TRYPTAMINES, pharmacodynamics

3665. **Takebe K:** Temporal rhythm in the response of urinary 17-OHCS to metopirone in Cushing's syndrome due to bilateral adrenal hyperplasia.
J Clin Endocrinol Metab 36:433-8, Mar 73
ADRENAL GLANDS, pathology/ *CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, urine/ FEEDBACK/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, urine/ HYPERPLASIA/ MALE/ *METYRAPONE, diagnostic use/ METYRAPONE, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM, drug effects

3666. **Takeda R, Noto Y:** [Adrenocortical hormones and arteriosclerosis]
Clin Endocrinol (Tokyo) 20:605-11, Aug 72 (48 ref.) **(Jap)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, physiology/ ADULT/ ANDROGENS, physiology/ *ARTERIOSCLEROSIS, etiology/ BLOOD COAGULATION/ BLOOD PRESSURE/ CHOLESTEROL, blood/ CORTICOTROPIN, physiology/ CUSHING'S SYNDROME, complications/ DEHYDROEPIANDROSTERONE, physiology/ FEMALE/ FIBRINOLYSIS/ HUMAN/ LIPIDS, metabolism/ MALE/ MIDDLE AGE/ MINERALOCORTICOIDS, physiology/ MUCOPOLYSACCHARIDES, metabolism/ REVIEW/ SMOKING, complications/ STRESS, complications

3667. **Takeguchi C, Sih CJ:** A rapid spectrophotometric assay for prostaglandin synthetase: application to the study of non-steroidal antiinflammatory agents.
Prostaglandins 2:169-84, Sep 72
ADRENOCHROME, biosynthesis/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARACHIDONIC ACID, metabolism/ ASPIRIN, pharmacodynamics/ CATTLE/ CYCLIZATION/ FATTY ACIDS, UNSATURATED, metabolism/ FLUFENAMIC ACID, pharmacodynamics/ HYDROXYSTEROID DEHYDROGENASE/ IN

VITRO/ INDOMETHACIN, pharmacodynamics/ MALE/ MEFENAMIC ACID, pharmacodynamics/ MULTIENZYME COMPLEXES, analysis/ NAPHTHOLS, pharmacodynamics/ OXYGENASES, analysis/ OXYGENASES, antagonists & inhibitors/ PHENYLBUTAZONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ SEMINAL VESICLES, enzymology/ SPECIAL LIST REPRODUCTION/ SPECTROPHOTOMETRY

3668. **Takeuchi S, Kanazawa K:** Changes of immunologic competence of lymphocytes evaluated by phytohemagglutinin (PHA)-induced DNA synthesis related to pregnancy and gynecologic tumors.
Acta Obstet Gynaecol Jap 19:59-63, Jan 72
*CERVIX NEOPLASMS, immunology/ CHORIOCARCINOMA, immunology/ *DNA, biosynthesis/ DNA, NEOPLASM, biosynthesis/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, immunology/ HYPEREMESIS GRAVIDARUM, immunology/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ *PLANT AGGLUTININS, pharmacodynamics/ *PREGNANCY/ PREGNANCY TOXEMIAS, immunology/ PUERPERIUM/ THYMIDINE, metabolism/ TRITIUM/ *TROPHOBLASTIC TUMOR, immunology

3669. **Takeva Ts, Makaveeva V, Despodova Ts:** Vurkhu morfologichnite promeni na vaginata, laichnika i khipofizata pri opitni zhivotni sled tretirane sus sistotsikiin.
Akush Ginekol (Sofiia) 11:409-14, 1972 (Bul)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ *OVARY, drug effects/ *PITUITARY GLAND, drug effects/ *PROGESTERONE, pharmacodynamics/ *VAGINA, drug effects

3670. **Talanti S, Attila U:** Incorporation of 35 S-labelled cysteine and methionine in the hypothalamic-hypophyseal neurosecretory system of the thyroidectomized rat.
Life Sci [I] 11:49-54, 15 Jan 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BRAIN CHEMISTRY/ CYSTEINE, administration & dosage/ *CYSTEINE, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ INJECTIONS, INTRAPERITONEAL/ MALE/ METHIONINE, administration & dosage/ *METHIONINE, metabolism/ *NEUROSECRETORY SYSTEMS, metabolism/ RATS/ SULFUR ISOTOPES/ THYROIDECTOMY/ TIME FACTORS

3671. **Talcott RE, Bulger WH, Stohs SJ:** Metabolism of 3 H-digitoxigenin by rat liver, adrenal, and ovary homogenates. Steroids 21:87-94, Jan 73
ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CARDANOLIDES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FILTRATION/ HYDROXYSTEROID DEHYDROGENASE/ IN VITRO/ KINETICS/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ OVARY, enzymology/ *OVARY, metabolism/ RATS/ SEX FACTORS/ TRITIUM

3672. **Talcott RE, Stohs SJ:** The effect of cyproterone acetate pretreatment on the in vitro metabolism of aniline, hexobarbital and 3 H-digitoxigenin.
J Pharmacol Exp Ther 184:419-23, Feb 73
*ANDROGENS, antagonists & inhibitors/ *ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ *CARDANOLIDES, metabolism/ CYPROTERONE, pharmacodynamics/ CYTOCHROME P-450, analysis/ FEMALE/ *HEXOBARBITAL, metabolism/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MICROSOMES, LIVER, analysis/ MICROSOMES, LIVER, metabolism/ ORGAN WEIGHT/ *PREGNADIENES, pharmacodynamics/ PROTEINS, analysis/ RATS/ SPIRONOLACTONE, pharmacodynamics/ TRITIUM

3673. **Taleisnik S, Tomatis ME, Celis ME:** Role of catecholamines in the control of melanocyte-stimulating hormone secretion in rats.
Neuroendocrinology 10:235-45, 1972
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ CEREBRAL VENTRICLES/ DIBENAMINE, pharmacodynamics/ DOPAMINE, pharmacodynamics/ *DOPAMINE, physiology/ *HYPOTHALAMUS, physiology/ *MSH, secretion/ NOREPINEPHRINE, pharmacodynamics/ *NOREPINEPHRINE, physiology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC/ RESERPINE, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

3674. **Tallián F, Nyakas C, Endröczi E:** Influence of intrahypothalamic estradiol and hydrocortisone implantation on the pituitary-adrenal and pituitary-ovary functions in the rat.
Endokrinologie 60:279-84, 1972
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CHOLESTEROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, physiology/ ORGAN WEIGHT/ *OVARY, physiology/ PITUITARY-ADRENAL SYSTEM, drug effects/ *PITUITARY GLAND, physiology/ RATS/ STEREOTAXIC TECHNICS/ THYROID GLAND, physiology/ THYROIDECTOMY

3675. **Talukdar CK, Mehrotra AN, Verma NP:** In vitro RBC uptake of radio-triiodothyronine as a useful thyroid function test in Indian patients. II.
Indian J Med Res 60:1621-8, Nov 72
COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ *ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ PREGNANCY/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *TRIIODOTHYRONINE, metabolism

3676. **Talukdar CK, Mehrotra AN, Panjnani AK:** Radioiodine-tracer tests in the evaluation of thyroid function: results of 3-hour, 6-hour and 24-hour thyroidal uptake.
J Assoc Physicians India 20:551-60, Aug 72
HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC, metabolism/ *THYROID DISEASES, diagnosis/ THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS/ TIME FACTORS

3677. **Tan WC, Privett OS:** Studies on the synthesis of prostaglandins in the vesicular glands of essential fatty acid-deficient and hypophysectomized rats.
Biochim Biophys Acta 296:586-92, 8 Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ARACHIDONIC ACID, metabolism/ BODY WEIGHT/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COCONUT/ DEFICIENCY DISEASES, metabolism/ DIETARY FATS/ DIETARY FATS, administration & dosage/ FATTY ACIDS, metabolism/ *FATTY ACIDS, ESSENTIAL/ HYPOPHYSECTOMY/ LIPIDS, metabolism/ MALE/ OILS/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ RATS/ SEMINAL VESICLES, anatomy & histology/ *SEMINAL VESICLES, metabolism/ TIME FACTORS

3678. **Tan WC, Young S, Goldsmith IJ, et al:** The biochemical and ultrastructural localisation of phosphoprotein-containing particles in lactating

mammary glands of rats.
Acta Endocrinol (Kbh) 72:25-32, Jan 73
ANIMAL EXPERIMENTS/ CASEIN, analysis/ CYTOPLASM, analysis/ EPITHELIAL CELLS/ FEMALE/ LACTATION/ *MAMMAE, analysis/ MAMMAE, cytology/ MICROSCOPY, ELECTRON/ *PHOSPHOPROTEINS, analysis/ PREGNANCY/ RATS

3679. **Tanahashi T, Suzuki Y, Nishimura Z:** [Progressive gangrenous rhinitis successfully treated with immunosuppresive agents]
J Otolaryngol Jap 75:1210-1, Oct 72 (Jap)
ADRENAL CORTEX HORMONES, therapeutic use/ FEMALE/ *GRANULOMA, LETHAL MIDLINE, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MIDDLE AGE

3680. **Tanaka M, Haniu M, Yasunobu KT, et al:** The amino acid sequence of bovine adrenodoxin.
J Biol Chem 248:1141-57, 25 Feb 73
ADRENAL GLANDS, analysis/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, analysis/ CARBOXYPEPTIDASES/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ *FERREDOXINS, analysis/ FERREDOXINS, isolation & purification/ GLUTAMATES, analysis/ HYDROLYSIS/ IRON CHELATES/ LEUCINE, analysis/ PEPTIDES, analysis/ THERMOLYSIN/ TIME FACTORS/ TRYPSIN

3681. **Tanaka Y:** [Obstetrical and gynecological considerations in 7 cases of Sheehan's syndrome]
Clin Endocrinol (Tokyo) 20:755-60, Sep 72 (Jap)
ADULT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, diagnosis/ *PUERPERAL DISORDERS, diagnosis/ SHEEHAN'S SYNDROME, diagnosis

3682. **Tanaka Y:** [Experimental study on the biological action of human placental lactogen (hPL) during pregnancy]
Folia Endocrinol Jap 48:698-715, 20 Dec 72 (Jap)
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BODY WEIGHT/ CARBON ISOTOPES/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FETUS, drug effects/ FETUS, metabolism/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, INTRAPERITONEAL/ LIPASE, metabolism/ NITROGEN, blood/ OLEIC ACID, metabolism/ ORGAN WEIGHT/ PLACENTAL LACTOGEN, administration & dosage/ PLACENTAL LACTOGEN, pharmacodynamics/ *PLACENTAL LACTOGEN, physiology/ *PREGNANCY/ PREGNANCY, ANIMAL, drug effects/ RATS/ TRIGLYCERIDES, blood

3683. **Tanizawa O:** [Anomalies of the female sex organs--diagnosis and etiology of amenorrhea]
Jap J Clin Med 30:2269-74, Nov 72 (7 ref.) (Jap)
ADOLESCENCE/ *AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ CHLORMADINONE, therapeutic use/ CLOMIPHENE, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, diagnostic use/ FEMALE/ GONADOTROPINS, diagnostic use/ HUMAN/ PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ PROGESTERONE, diagnostic use/ REVIEW

3684. **Tanphaichitr V, Broquist HP:** Role of lysine and -N-trimethyllysine in carnitine biosynthesis. II. Studies in the rat. J Biol Chem 248:2176-81, 25 Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BETAINE, metabolism/ BRAIN, metabolism/ BUTYRATES, metabolism/ CARBON ISOTOPES/ *CARNITINE, biosynthesis/ DEFICIENCY DISEASES, drug therapy/ DEFICIENCY DISEASES, metabolism/ DIETARY PROTEINS/ EPIDIDYMIS, metabolism/ GLUTEN/ KIDNEY, metabolism/ LIVER, metabolism/ LYSINE/ *LYSINE, metabolism/ LYSINE, therapeutic use/ MALE/ METHIONINE, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS/ SPECIES SPECIFICITY/ TESTIS, metabolism/ TRITIUM

3685. **Tanzer ML, Housley T, Berube L, et al:** Structure of two histidine-containing crosslinks from collagen.
J Biol Chem 248:393-402, 25 Jan 73
*AMINO ACIDS/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BOROHYDRIDES/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ *COLLAGEN/ COLLAGEN, isolation & purification/ CORNEA, analysis/ DICARBOXYLIC ACIDS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HISTIDINE/ *HYDROXYLYSINE/ MASS SPECTRUM ANALYSIS/ MODELS, CHEMICAL/ NORLEUCINE/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ RABBITS/ SCLERA, analysis/ SKIN, analysis/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TENDONS, analysis/ TRITIUM

3686. **Tapp E, Huxley M:** The histological appearance of the human pineal gland from puberty to old age.
J Pathol 108:137-44, Oct 72
ADOLESCENCE/ ADULT/ AGED/ *AGING/ CALCINOSIS, pathology/ CALCIUM, analysis/ FEMALE/ GLIOSIS, pathology/ HUMAN/ LYMPHOCYTES/ MALE/ MELANIN, analysis/ MIDDLE AGE/ ORGAN WEIGHT/ PIGMENTS, analysis/ PINEAL BODY, analysis/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, pathology/ PLASMA CELLS/ *PUBERTY/ SEX FACTORS

3687. **Taranger J, Bergiund G, Claesson I, et al:** Screening for congenital hypothyroidism in the newborn.
Lancet 1:487, 3 Mar 73
BIRTH WEIGHT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, radiography/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ KNEE, radiography/ MALE

3688. **Tarasenko NIu, Kasparov AA, Strongina OM:** Vliianie bornoĭ kisloty na generativnuiu funktsiiu muzhskogo organizma.
Gig Tr Prof Zabol 16:13-6, Nov 72 (Rus)
ANIMAL EXPERIMENTS/ *BORIC ACIDS, adverse effects/ ENGLISH ABSTRACT/ GONADS, drug effects/ HUMAN/ MALE/ *OCCUPATIONAL DISEASES, chemically induced/ RATS/ *SPERMATOGENESIS, drug effects/ STERILITY, MALE, chemically induced

3689. **Tarr GE, Fairbairn D:** Ascarosides of the ovaries and eggs of Ascaris lumbricoides (Nematoda).
Lipids 8:7-16, Jan 73
ACETIC ACIDS, analysis/ ACETYLATION/ ANIMAL EXPERIMENTS/ *ASCARIS, metabolism/ BUTYRATES, analysis/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTERS, metabolism/ FATTY ALCOHOLS, isolation & purification/ FEMALE/ GLYCOLIPIDS, isolation & purification/ *GLYCOLIPIDS, metabolism/ GLYCOSIDES, biosynthesis/ GLYCOSIDES, isolation & purification/ *GLYCOSIDES, metabolism/ LIPIDS, isolation & purification/ *OVARY, metabolism/ *OVUM, metabolism/ PROPIONATES, analysis/ VALERATES, analysis

3690. **Tarsoly E, Mateescu P:** Histologische und enzymhistochemische Untersuchungen über die Wirkung von Testosteron auf die Knochenbruchheilung bei Ratten.
Acta Chir Acad Sci Hung 13:1-12, 1972 (Ger)
ANIMAL EXPERIMENTS/ BONE REGENERATION/ *FRACTURES, enzymology/ OSTEOGENESIS/ *OXIDOREDUCTASES, analysis/ *PHOSPHATASES, analysis/ RATS/ *TESTOSTERONE, pharmacodynamics/ *WOUND HEALING, drug effects

3691. **Tartof KD:** Regulation of ribosomal RNA gene multiplicity in Drosophila melanogaster.
Genetics 73:57-71, Jan 73
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ DNA REPLICATION/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES, REGULATOR/ *GENETICS, BIOCHEMICAL/ GENOTYPE/ HYBRID CELLS/ MALE/ MUTATION/ *RNA, RIBOSOMAL/ SEX CHROMOSOMES

3692. **Tarttelin MF, Gorski RA:** The effects of ovarian steroids on food and water intake and body weight in the female rat.
Acta Endocrinol (Kbh) 72:551-68, Mar 73
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ BODY WEIGHT, drug effects/ CASTRATION/ *DRINKING/ *EATING/ EATING, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, physiology/ FEMALE/ *OVARY, physiology/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

3693. **Taşcă C, Posteinicu D:** Cercetarea morfologică în Institutul de Endocrinologie în decurs de 25 de ani.
Stud Cercet Endocrinol 23:459-70, 1972 (Rum)
ADRENAL GLAND DISEASES, pathology/ ADRENAL GLAND NEOPLASMS, pathology/ ANIMAL EXPERIMENTS/ *ENDOCRINE DISEASES, pathology/ ENDOCRINE GLANDS, anatomy & histology/ HUMAN/ PINEAL BODY, cytology/ PITUITARY DISEASES, pathology/ PITUITARY NEOPLASMS, pathology/ THYROID DISEASES, pathology/ THYROID NEOPLASMS, pathology

3694. **Tatebe I:** [Virus infection and multiplication in tobacco protoplasts]
Virus (Tokyo) 22:1-13, Jun 72 (37 ref.) (Jap)
CARBON ISOTOPES/ CULTURE MEDIA/ DACTINOMYCIN, pharmacodynamics/ ELECTROPHORESIS/ LEUCINE, metabolism/ METHODS/ MICROSCOPY, ELECTRON/ *PLANT DISEASES/ PROTOPLASTS, analysis/ *PROTOPLASTS, microbiology/ REVIEW/ RNA, VIRAL, biosynthesis/ THIOURACIL, pharmacodynamics/ *TOBACCO/ TOBACCO MOSAIC VIRUS, drug effects/ *TOBACCO MOSAIC VIRUS, growth & development/ TOBACCO MOSAIC VIRUS, metabolism

3695. **Taubert W, Prager W:** Behandlungsergebnisse fortgeschrittener maligner Ovarialtumoren.
Radiobiol Radiother (Berl) 14:11-6, 1973 (Ger)
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ *ADENOCARCINOMA, therapy/ ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ CARCINOMA, radiotherapy/ CARCINOMA, EPIDERMOID, drug therapy/ *CARCINOMA, EPIDERMOID, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ *OVARIAN NEOPLASMS, therapy

3696. **Taymor ML, Berger MJ, Thompson IE, et al:** Hormonal factors in human ovulation.
Am J Obstet Gynecol 114:445-53, 15 Oct 72
*AMENORRHEA, drug therapy/ CLOMIPHENE, therapeutic use/ ESTRADIOL, blood/ ESTRADIOL, therapeutic use/ ESTROGENS, urine/ FEMALE/ FSH, blood/ FSH, pharmacodynamics/ *FSH, therapeutic use/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ LH, blood/ LH, pharmacodynamics/ *LH, therapeutic use/ *OVULATION, drug effects/ RADIOIMMUNOASSAY/ TIME FACTORS

3697. **Tchernia G, Gerard-Marchant R, Vieu F, et al:** Etude histologique de la moelle osseuse chez 31 enfants atteints de neuroblastome.
Rev Eur Etud Clin Biol 17:471-82, May 72 (Fre)
ADOLESCENCE/ BIOPSY/ BLOOD CELL COUNT/ *BONE MARROW, pathology/ BONE MARROW EXAMINATION/ BONE NEOPLASMS, diagnosis/ *BONE NEOPLASMS, pathology/ BONE RESORPTION/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE/ HUMAN/ INFANT/ MALE/ MYELOGRAPHY/ NECROSIS/ NEOPLASM METASTASIS/ NEUROBLASTOMA, diagnosis/ *NEUROBLASTOMA, pathology/ OVARIAN NEOPLASMS/ RETROPERITONEAL NEOPLASMS/ THORACIC NEOPLASMS

3698. **Tchilinguirian NG:** Comparison of prostaglandin F 2 and pitocin in the induction of labor in high risk pregnant women. J Reprod Med 9:331-8, Dec 72
ADOLESCENCE/ ADULT/ EVALUATION STUDIES/ FEMALE/ FETUS, drug effects/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION/ *LABOR, INDUCED/ *OXYTOCIN/ OXYTOCIN, administration & dosage/ OXYTOCIN, adverse effects/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY IN DIABETES/ PREGNANCY TOXEMIAS/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ UTERUS, drug effects/ VOMITING, chemically induced

3699. **Tea NT, Castanier M, Grenier J, et al:** Taux des oestrogènes dans le plasma séminal. Comparaison avec le spermogramme.
Ann Endocrinol (Paris) 33:297-8, May-Jun 72 (Fre)
ENGLISH ABSTRACT/ ESTRADIOL, analysis/ ESTRIOL, analysis/ *ESTROGENS, analysis/ ESTROGENS, blood/ ESTRONE, analysis/ HUMAN/ MALE/ RADIOISOTOPE DILUTION TECHNIC/ *SEMEN, analysis/ STERILITY, MALE, metabolism/ SULFUR ISOTOPES/ TRITIUM

3700. **Tec L:** Hyperkinetic children and the Staccato Syndrome. Am J Psychiatry 130:330, Mar 73
ADOLESCENCE/ CHILD/ DRUG ABUSE/ HUMAN/ *HYPERKINESIS/ IDENTITY CRISIS/ PUBERTY/ SYNDROME

3701. **Tecklenberg PL, Mullin EM, Stinson EB, et al:** The effects of massive doses of methylprednisolone on myocardial contractility and peripheral vascular resistance. Am Heart J 85:216-26, Feb 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, analysis/ *CARDIAC OUTPUT, drug effects/ *CORONARY CIRCULATION, drug effects/ DOGS/ EXTRACORPOREAL CIRCULATION/ *HEART, drug effects/ HEART VENTRICLE, drug effects/ HYDROGEN-ION CONCENTRATION/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, pharmacodynamics/ POTASSIUM, blood/ REGIONAL BLOOD FLOW, drug effects/ SODIUM, blood/ *VASCULAR RESISTANCE, drug effects

3702. **Tecklenberg PL, Mullin EM, Stinson EB, et al:** The effects of massive doses of methylprednisolone on myocardial contractility and peripheral vascular resistance. Am Heart J 85:216-26, Feb 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CORONARY CIRCULATION, drug effects/ DENERVATION/ DOGS/ *HEART, drug effects/ HEART, innervation/ HYDROGEN-ION CONCENTRATION/ *METHYLPREDNISOLONE, pharmacodynamics/ POTASSIUM, blood/ PROPRANOLOL, pharmacodynamics/ SODIUM, blood/ *VASCULAR RESISTANCE, drug effects

3703. **Teel RW, Hall RG:** Effect of dibutyryl cyclic AMP on the restoration of contact inhibition in tumor cells and its relationship to cell density and the cell cycle.
Exp Cell Res 76:390-4, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES/ CARCINOMA/ CELL COUNT/ *CELL DIVISION, drug effects/ CELL LINE/

*CONTACT INHIBITION, drug effects/ DNA, NEOPLASM, biosynthesis/ HUMAN/ ISOTOPE LABELING/ METHODS/ MITOSIS, drug effects/ MOUTH NEOPLASMS/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ TRYPSIN

3704. **Telegdy G, Robin M, Diczfalusy E:** Quantitative assessment of the principal steroids formed by human placentas perfused with labelled cholesterol in vitro.
Acta Endocrinol (Kbh) 72:127-36, Jan 73
CARBON ISOTOPES/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ OXYGEN, blood/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ TRITIUM

3705. **Teller H:** Die Pharmakotherapie bei Enddarmerkrankungen.
Arch Dermatol Forsch 244:385-90, 1972 (Ger)
AESCULUS, therapeutic use/ ANIMAL EXPERIMENTS/ BALSAMS, therapeutic use/ BELLADONNA, therapeutic use/ BISMUTH, therapeutic use/ CARVACROL, therapeutic use/ CHLORINE, therapeutic use/ CLEMIZOLE, therapeutic use/ CORTICOSTERONE, therapeutic use/ DIBUCAINE, therapeutic use/ ETHYLAMINES, therapeutic use/ FEMALE/ *HEMORRHOIDS, drug therapy/ HEPARIN, therapeutic use/ HEXACHLOROPHENE, therapeutic use/ HIRUDIN, therapeutic use/ HUMAN/ LIDOCAINE, therapeutic use/ MENTHOL, therapeutic use/ PHENYLACETATES, therapeutic use/ PIPERIDINES, therapeutic use/ PLANT EXTRACTS, therapeutic use/ PLANTS, MEDICINAL/ PREDNISOLONE, therapeutic use/ PREGNANCY/ QUININE, therapeutic use/ RABBITS/ RESORCINOL, therapeutic use/ RUTIN, therapeutic use/ SCLEROSING SOLUTIONS/ ZINC, therapeutic use

3706. **Teller W, Homoki J:** Normale und pathologische Schilddrüsenfunktion in der Perinatalzeit.
Fortschr Med 90:967-70, 28 Sep 72 (Ger)
FEMALE/ HUMAN/ *HYPERTHYROIDISM, congenital/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE/ PROGNOSIS/ *THYROID GLAND/ THYROID GLAND, embryology/ THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use

3707. **Teller WM, Genscher U, Burkhardt H, et al:** Hydroxyproline excretion in various forms of growth failure. Arch Dis Child 48:127-32, Feb 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, diagnosis/ *DWARFISM, urine/ DWARFISM, PITUITARY, diagnosis/ DWARFISM, PITUITARY, drug therapy/ DWARFISM, PITUITARY, urine/ FEMALE/ HUMAN/ *HYDROXYPROLINE, urine/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, urine/ MALE/ SOMATOTROPIN, therapeutic use/ THYROID HORMONES, therapeutic use

3708. **Tennstedt A:** Beitrag zur Klassifizierung der Ovarialteratome.
Zentralbl Gynaekol 94:1742-6, 16 Dec 72 (Ger)
ADULT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, pathology/ *TERATOID TUMOR, classification/ TERATOID TUMOR, pathology

3709. **Tenser RB, Hsiung GD:** Infection of thymus cells in vivo and in vitro with a guinea pig herpes-like virus and the effect of antibody on virus replication in organ culture. J Immunol 110:552-60, Feb 73
ANIMAL EXPERIMENTS/ *ANTIBODIES, analysis/ CORTISONE, pharmacodynamics/ CYTOPATHOGENIC EFFECT, VIRAL/ GUINEA PIGS/ *HERPESVIRUS, immunology/ HERPESVIRUS, isolation & purification/ HERPESVIRUS INFECTIONS, immunology/ INCLUSION BODIES, VIRAL/ NEUTRALIZATION TESTS/ ORGAN CULTURE/ SPLEEN, drug effects/ SPLEEN, immunology/ SPLEEN, microbiology/ THYMUS GLAND, drug effects/ *THYMUS GLAND, immunology/ THYMUS GLAND, microbiology/ TISSUE CULTURE/ *VIRUS REPLICATION

3710. **Teo TS, Wang TH, Wang JH:** Purification and properties of the protein activator of bovine heart cyclic adenosine 3',5'-monophosphate phosphodiesterase. J Biol Chem 248:588-95, 25 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM/ MOLECULAR WEIGHT/ *MYOCARDIUM, analysis/ MYOCARDIUM, enzymology/ NUCLEOTIDASES/ OSMOLAR CONCENTRATION/ *PHOSPHODIESTERASES/ PROTEINS, analysis/ *PROTEINS, isolation & purification/ SNAKES/ TEMPERATURE/ ULTRACENTRIFUGATION/ VENOMS

3711. **Terenius L:** Hexoestrol analogues as probes of oestrogen receptors. II. Importance of hydrogen-bonding groups for binding to uterine tissue and for uterotrophic activity.
Acta Pharmacol Toxicol (Kbh) 31:449-55, 1972
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ ESTRADIOL, antagonists & inhibitors/ ESTROGENS/ FEMALE/ HEXESTROL, metabolism/ *HEXESTROL, pharmacodynamics/ HYDROGEN/ MICE/ *RECEPTORS, HORMONE, drug effects/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism

3712. **Terenius L:** Hexoestrol analogues as probes of oestrogen receptors. I. Importance of hydrogen-bonding groups for receptor binding.
Acta Pharmacol Toxicol (Kbh) 31:441-8, 1972
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ ESTRADIOL, antagonists & inhibitors/ ESTROGENS/ FEMALE/ *HEXESTROL, metabolism/ *HYDROGEN/ HYDROXYLATION/ MICE/ *RECEPTORS, HORMONE/ TRITIUM/ UTERUS, metabolism

3713. **Terenius L, Ljungkvist I:** Aspects on the mode of action of antiestrogens and antiprogestogens.
Gynecol Invest 3:96-107, 1972
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ *BINDING, COMPETITIVE/ *CLOMIPHENE, pharmacodynamics/ EPITHELIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ *ESTRIOL, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ ETHYLAMINES, pharmacodynamics/ NAPHTHALENES, pharmacodynamics/ *PHENOLS, pharmacodynamics/ *PROGESTERONE, antagonists & inhibitors/ *PYRROLIDINES, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ *UTERUS, drug effects/ VAGINAL SMEARS

3714. **Terzi M:** On the selection for the modal chromosome number in Chinese hamster cells.
J Cell Physiol 80:359-65, Dec 72
*CELL LINE/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ CLONE CELLS/ DIPLOIDY, radiation effects/ HAMSTERS/ KARYOTYPING/ MITOSIS, radiation effects/ OVARY/ POLYPLOIDY/ *RADIATION EFFECTS/ TIME FACTORS

3715. **Tessmer CF, Hrgovcic M, Thomas FB, et al:** Serum copper as an index of tumor response to radiotherapy.
Radiology 106:635-9, Mar 73
ADULT/ *COPPER, blood/ ESTROGENS, therapeutic use/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ PROSTATIC NEOPLASMS, radiotherapy/ RADIOTHERAPY DOSAGE/ REMISSION/ TIME FACTORS

3716. **Thaler-Dao H, Descomps B, Saintot M, et al:** The 17 hydroxysteroid NAD (P) oxidoreductases from female rabbit liver cytosol: separation and characterization. Biochimie 54:83-91, 1972
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYTOSOL, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL, metabolism/ FEMALE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYDROXYSTEROIDS/ ISOENZYMES, analysis/ KINETICS/ LIVER, cytology/ *LIVER, enzymology/ METHODS/ MOLECULAR WEIGHT/ NAD/ NADP/ OXIDOREDUCTASES, analysis/ *OXIDOREDUCTASES, isolation & purification/ RABBITS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE, metabolism

3717. **Thamer G, Karlson P:** Nachweis der Proteinhindung von Ecdyson bei der Schmeissfliege Meigen Calliphora erythrocephala.
Z Naturforsch [B] 27:1191-5, Oct 72 **(Ger)**
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, isolation & purification/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *DIPTERA/ *ECDYSONE, analysis/ ELECTROPHORESIS, DISK/ ENGLISH ABSTRACT/ GEL FILTRATION/ HEMOLYMPH, analysis/ LARVA, analysis/ *PROTEIN BINDING/ RECEPTORS, HORMONE/ TRITIUM/ ULTRACENTRIFUGATION

3718. **Thanavala YM, Rao SS, Thakur AN:** The effect of an oestrogenic steroid on the secondary immune response under different hormonal environments.
Acta Endocrinol (Khh) 72:582-6, Mar 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTI-ANTIBODIES/ CASTRATION/ FEMALE/ *IMMUNOLOGIC MEMORY, drug effects/ MESTRANOL, administration & dosage/ *MESTRANOL, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ OVARY, physiology/ *TETANUS TOXOID, administration & dosage

3719. **Theilgaard A:** Cognitive style and gender role in persons with sex chromosome aberrations.
Dan Med Bull 19:276-86, Dec 72
ADULT/ *BEHAVIOR/ COGNITION/ FEMALE/ HUMAN/ *IDENTIFICATION (PSYCHOLOGY)/ INTELLIGENCE/ *KLINEFELTER'S SYNDROME/ MALE/ PERSONALITY/ *PERSONALITY DEVELOPMENT/ PSYCHOLOGICAL TESTS/ PSYCHOSEXUAL DEVELOPMENT/ ROLE/ SELF CONCEPT/ *SEX/ SEX BEHAVIOR/ *TURNER'S SYNDROME/ VERBAL BEHAVIOR

3720. **Theiss W, Beller FK:** Stilbestrol-augmented disseminated intravascular coagulation in rats after infusion of endotoxin.
Am J Obstet Gynecol 115:775-82, 15 Mar 73
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD PLATELETS/ *DIETHYLSTILBESTROL/ *DISSEMINATED INTRAVASCULAR COAGULATION, chemically induced/ *ENDOTOXINS, administration & dosage/ ESTRUS/ FEMALE/ FIBRIN, analysis/ FIBRINOGEN, analysis/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HYDROXYPROGESTERONE/ KIDNEY, pathology/ KIDNEY GLOMERULUS, pathology/ ORGAN WEIGHT/ PROTHROMBIN TIME/ RATS/ STATISTICS/ TIME FACTORS/ UTERUS

3721. **Therminarias A, Chirpaz MF, Tanche M:** Conséquences de l'ablation simultanée de la thyroïde et de la médullo-surrénale sur la calorification maximale du chien exposé au froid.
J Physiol (Paris) 65:Suppl 1:169A, 1972 **(Fre)**
*ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ *COLD/ DOGS/ ENVIRONMENTAL EXPOSURE/ SHIVERING/ *THYROID GLAND, physiology/ THYROIDECTOMY

3722. **Théron J, Djindjian R:** Comparison of the venous phase of carotid arteriography with direct intracranial venography in the evaluation of lesions at the base of the skull. Neuroradiology 5:43-8, Feb 73
ADENOCARCINOMA, radiography/ ATLAS/ CAROTID ARTERIES, radiography/ CAVERNOUS SINUS, radiography/ *CEREBRAL ANGIOGRAPHY/ COMPARATIVE STUDY/ CRANIAL SINUSES, radiography/ HUMAN/ JUGULAR VEIN, radiography/ *PHLEBOGRAPHY/ *PITUITARY NEOPLASMS, radiography/ SARCOMA, radiography/ SELLA TURCICA/ *SKULL NEOPLASMS, radiography

3723. **Thierry AM, Stinus L, Blanc G, et al:** Some evidence for the existence of dopaminergic neurons in the rat cortex. Brain Res 50:230-4, 14 Feb 73
ANIMAL EXPERIMENTS/ *BRAIN, anatomy & histology/ BRAIN CHEMISTRY/ CEREBELLUM, analysis/ *DOPAMINE, analysis/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ MALE/ NEURAL TRANSMISSION/ *NEURONS/ *NOREPINEPHRINE, analysis/ RATS

3724. **Thierry-Mieg D, Masson M, Gans M:** Mutant de stérilité à effet retardé de drosophila melanogaster.
C R Acad Sci [D] (Paris) 275:2751-4, 6 Dec 72 **(Fre)**
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES, LETHAL/ GENES, RECESSIVE/ GONADS, abnormalities/ MALE/ *MUTATION/ OVUM, growth & development/ SEX FACTORS/ *STERILITY/ TEMPERATURE/ TIME FACTORS

3725. **Thiery M, Vroman S, Vanderheyden K, et al:** The fetal effect of prostaglandin F 2 applied in the elective induction of labor at term.
J Reprod Med 9:314-26, Dec 72
ACID-BASE EQUILIBRIUM/ AMNIOTIC FLUID/ APGAR SCORE/ BRADYCARDIA, chemically induced/ FEMALE/ FETAL HEART, drug effects/ *FETUS, drug effects/ FETUS, metabolism/ HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ MECONIUM/ OXYGEN CONSUMPTION/ OXYTOCIN/ PARITY/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, adverse effects/ UTERUS, drug effects

3726. **Thies E, Thies E:** Tumoren des Thymus.
Bruns Beitr Klin Chir 219:619-38, 1972 **(Ger)**
ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ INFANT/ MALE/ MEDIASTINAL NEOPLASMS/ MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE/ MYASTHENIA GRAVIS, complications/ *SARCOMA/ SARCOMA, diagnosis/ SARCOMA, mortality/ SARCOMA, surgery/ *THYMOMA/ THYMOMA, diagnosis/ THYMOMA, surgery/ THYMUS HYPERPLASIA/ THYMUS HYPERPLASIA, diagnosis/ THYMUS HYPERPLASIA, surgery/ *THYMUS NEOPLASMS/ THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, surgery

3727. **Thimonier J, Pelletier J:** The concentration of plasma LH in male and female lambs of high and low prolificacy breed types.
J Reprod Fertil 31:493-9, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/

*FERTILITY/ *LH, blood/ MALE/ OVULATION/ *SHEEP, physiology/ SPECIES SPECIFICITY

3728. **Thomas J, Aubry P, Rosso AM, et al:** Tétanos néonatal. Traitement par l'administration orale de diazépam et l'alimentation précoce par sonde nasogastrique.
Bull Soc Pathol Exot 65:373-81, May-Jun 72 (Fre)
ADMINISTRATION, ORAL/ CONGO/ DAHOMEY/ DEHYDRATION, therapy/ *DIAZEPAM, administration & dosage/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYDIONE, therapeutic use/ INFANT, NEWBORN/ INFANT NUTRITION DISORDERS, therapy/ INJECTIONS, INTRAMUSCULAR/ METHODS/ MILK/ SENEGAL/ *TETANUS, drug therapy/ TETANUS, mortality/ *TUBE FEEDING

3729. **Thomas-Orillard M:** Influence de l'alimentation sur le nombre de tubes ovariens chez la drosophile.
Ann Genet (Paris) 15:177-82, Sep 72 (Fre)
ANIMAL EXPERIMENTS/ *DROSOPHILA/ ENGLISH ABSTRACT/ LARVA/ NUTRITION/ OVARY, anatomy & histology/ *OVARY, growth & development/ PHENOTYPE

3730. **Thompson J, Furth R van:** The effect of glucocorticosteroids on the proliferation and kinetics of promonocytes and monocytes of the bone marrow.
J Exp Med 137:10-21, 1 Jan 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BONE MARROW CELLS, drug effects/ BONE MARROW CELLS, growth & development/ CELL COUNT/ CELL DIVISION/ CELL MOVEMENT, drug effects/ CELLS, CULTURED/ DNA, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ MICE/ MITOSIS/ *MONOCYTES, drug effects/ TRITIUM

3731. **Thompson JS, Palmieri GM, Eliel LP, et al:** The effect of porcine calcitonin on osteoporosis induced by adrenal cortical steroids.
J Bone Joint Surg [Am] 54:1490-500, Oct 72
ANIMAL EXPERIMENTS/ BONE AND BONES, radiography/ *BONE REGENERATION, drug effects/ *BONE RESORPTION, drug effects/ CERVICAL VERTEBRAE/ *CORTISONE/ FEMUR/ LUMBAR VERTEBRAE/ MICRORADIOGRAPHY/ *OSTEOPOROSIS, chemically induced/ OSTEOPOROSIS, radiography/ RABBITS/ RIBS/ SWINE/ THORACIC VERTEBRAE/ *THYROCALCITONIN, pharmacodynamics

3732. **Thompson JS, Urist MR:** Opposing actions of calcitonin and cortisone upon osteogenesis in a heterotopic site.
Clin Orthop 90:201-8, Jan-Feb 73
ANIMAL EXPERIMENTS/ BONE MATRIX, analysis/ BONE MATRIX, cytology/ *BONE MATRIX, drug effects/ CALCIUM, analysis/ *CARTILAGE, growth & development/ *CORTISONE, pharmacodynamics/ HYDROXYPROLINE, analysis/ MALE/ MUSCLES/ *OSTEOGENESIS, drug effects/ RABBITS/ *THYROCALCITONIN, pharmacodynamics/ THYROCALCITONIN, physiology/ THYROID GLAND, physiology

3733. **Thompson WF:** Psychiatric aspects of Addison's disease: report of a case.
Med Ann DC 42:62-4, Feb 73
ACETATES/ *ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, drug therapy/ *ANXIETY, etiology/ *DEPRESSION, etiology/ FEMALE/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ NAUSEA, etiology/ VOMITING, etiology

3734. **Thomson MJ, Garland MR, Richards JF:** Hormonal effects on thymidine kinase and thymidylate kinase activity of estrogen-dependent tumors in the rat.
Cancer Res 33:220-5, Feb 73
ADRENAL GLAND NEOPLASMS, chemically induced/ *ADRENAL GLAND NEOPLASMS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOTROPIN, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ *ESTRONE, pharmacodynamics/ FEMALE/ *HORMONES, pharmacodynamics/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ NEOPLASMS, EXPERIMENTAL, enzymology/ PROLACTIN, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ *THYMIDINE KINASE, metabolism/ TIME FACTORS

3735. **Thorbecke GJ, Liem HH, Knight S, et al:** Sites of formation of the serum proteins transferrin and hemopexin.
J Clin Invest 52:725-31, Mar 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BETA GLOBULIN, biosynthesis/ BLOOD PROTEIN ELECTROPHORESIS/ CARBON ISOTOPES/ FEMALE/ *HEME, biosynthesis/ HEMOPEXIN, biosynthesis/ IMMUNOELECTROPHORESIS/ LACTATION/ *LIVER, metabolism/ MACACA/ MALE/ MAMMAE, metabolism/ MONKEYS/ OVARY, metabolism/ RABBITS/ SERUM ALBUMIN, biosynthesis/ SPLEEN, metabolism/ SUBMANDIBULAR GLAND, metabolism/ TESTIS, metabolism/ *TRANSFERRIN, biosynthesis

3736. **Thorne RF, Bygrave FL:** Interaction of calcium with mitochondria isolated from Ehrlich ascites tumour cells.
Biochem Biophys Res Commun 50:294-9, 23 Jan 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ *CARCINOMA, EHRLICH TUMOR/ CELLS, drug effects/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHOSPHATES, pharmacodynamics/ RATS

3737. **Thorneycroft IH, Ribeiro WO, Stone SC, et al:** A radioimmunoassay of androstenedione.
Steroids 21:111-22, Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ADULT/ ANDROSTANES, analysis/ ANTIBODY SPECIFICITY/ CASTRATION/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, analysis/ KETOSTEROIDS, analysis/ MALE/ MENSTRUATION/ METHODS/ OVARY, physiology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SUCCINATES/ TESTOSTERONE, analysis/ TIME FACTORS/ TRITIUM

3738. **Thorneycroft IH, Stone SC:** Radioimmunoassay of serum progesterone in women receiving oral contraceptive steroids.
Contraception 5:129-46, Feb 72
BINDING, COMPETITIVE/ CASTRATION/ CATTLE/ CHARCOAL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CROSS REACTIONS/ DEXTRAN/ ETHYL ETHER/ FEMALE/ HUMAN/ MALE/ MENOPAUSE/ MENSTRUATION/ METHODS/ OVARY, physiology/ PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECIAL LIST REPRODUCTION/ SUCCINATES

3739. **Thorpe A, Thorndyke MC, Barrington EJ:** Ultrastructural and histochemical features of the endostyle of the ascidian Ciona intestinalis with special reference to the distribution of bound iodine.
Gen Comp Endocrinol 19:559-71, Dec 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CHORDATA, anatomy & histology/ HISTOCYTOCHEMISTRY/ *IODINE, analysis/ IODINE ISOTOPES/ MICROSCOPY, ELECTRON/ PHARYNX, analysis/ *PHARYNX, cytology/ PROTEIN BINDING

3740. **Thorsby E, Helgesen A, Gjemdal T:** Repeated platelet transfusions from HL-A compatible unrelated and sibling donors. Tissue Antigens 2:397-404, 1972
ADOLESCENCE/ ADULT/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, therapy/ ANTIBODIES, analysis/ *BLOOD PLATELETS/ *BLOOD TRANSFUSION/ COMPLEMENT FIXATION TESTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *HISTOCOMPATIBILITY/ HUMAN/ IMMUNE SERUMS, analysis/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTES, immunology/ MALE/ OXYMETHOLONE, therapeutic use/ PREDNISONE, therapeutic use/ THROMBOPENIA, therapy

3741. **Thrower S, Ord MG:** -Adrenergic blockers and early stages in liver regeneration.
Biochem J 130:9P-10P, Nov 72
ADRENALECTOMY/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ HEPATECTOMY/ *LIVER REGENERATION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PYRIMIDINES, metabolism/ RATS

3742. **Tigelaar RE, Asofsky R:** Graft-vs-host reactivity of mouse thymocytes: effect of cortisone pretreatment of donors. J Immunol 110:567-74, Feb 73
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ *GRAFT VS HOST REACTION/ IMMUNITY, CELLULAR/ LYMPH NODES, cytology/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED BALB C/ ORGAN WEIGHT/ RADIATION CHIMERA/ SPLEEN, immunology

3743. **Tikhonova EP, Palei AA:** Dozirovannoe golodanie v kompleksnom lechenii bol'nykh s nefro-endokrinnymi formami patologicheskoi tuchnosti.
Probl Endokrinol (Mosk) 18:23-7, Jul-Aug 72 **(Rus)**
ADOLESCENCE/ ADULT/ *DIET, REDUCING/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OBESITY, etiology/ *OBESITY, therapy/ TIME FACTORS

3744. **Tikkanen MJ, Adlercreutz H:** A method for the quantitative determination of urinary estriol conjugates in human pregnancy.
J Steroid Biochem 3:807-18, Sep 72
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ *ESTROGENIC SUBSTANCES, CONJUGATED, urine/ EVALUATION STUDIES/ FEMALE/ GLUCURONATES, urine/ HUMAN/ METHODS/ *PREGNANCY/ SULFURIC ACIDS, urine/ TRITIUM

3745. **Till JE, Baker RM, Brunette DM, et al:** Genetic regulation of membrane function in mammalian cells in culture. Fed Proc 32:29-33, Jan 73 (31 ref.)
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CELL LINE/ *CELL MEMBRANE/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ CELLS, CULTURED/ COLCHICINE, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ DRUG RESISTANCE/ GENES, LETHAL/ HELA CELLS, drug effects/ HUMAN/ KIDNEY/ L CELLS, drug effects/ MICE/ MONKEYS/ MUTATION/ OVARY/ PHENOTYPE/ PLANT AGGLUTININS, pharmacodynamics/ RATS/ REVIEW/ TEMPERATURE

3746. **Till MM, Hardisty RM, Pike MC:** Long survivals in acute leukaemia. Lancet 1:534-8, 10 Mar 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ BONE MARROW CELLS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLIC ACID ANTAGONISTS, therapeutic use/ FOLLOW-UP STUDIES/ GONADS, radiation effects/ GREAT BRITAIN/ HEALTH SURVEYS/ HUMAN/ INFANT/ LEUKEMIA, drug therapy/ *LEUKEMIA, mortality/ LEUKEMIA, radiotherapy/ LEUKEMIA, LYMPHOBLASTIC, mortality/ LEUKEMIA, MONOBLASTIC, mortality/ LEUKEMIA, MYELOBLASTIC, mortality/ MALE/ MIDDLE AGE/ PROGNOSIS/ RADIATION EFFECTS/ REMISSION/ SEX FACTORS/ TIME FACTORS

3747. **Timm J:** Ovarian carcinoma--a 10-year series from a provincial hospital.
Acta Obstet Gynecol Scand 52:103-8, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CYSTADENOMA, MUCINOUS/ CYSTADENOMA, PAPILLARY/ FAMILY CHARACTERISTICS/ FEMALE/ HEMOGLOBIN, analysis/ HUMAN/ MARRIAGE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ OVARIAN NEOPLASMS, therapy/ PARITY/ PROGNOSIS/ TIME FACTORS

3748. **Timmermans L, Devečerski V:** Répercussions cyto-enzymologiques de l'épiphysectomie sur le testicule du rat.
C R Soc Biol (Paris) 166:733-6, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ LEYDIG CELLS, enzymology/ MALE/ *OXIDOREDUCTASES, metabolism/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ RATS/ SPERMATOGENESIS/ SUCCINATE DEHYDROGENASE, metabolism/ *TESTIS, enzymology/ TESTIS, metabolism

3749. **Timmermans L, Devečerski V:** Etude de l'influence d'hormones sexuelles et de l'épiphysectomie sur l'activité d'une oxydase d'acides alpha-hydroxylés dans le tissu interstitiel du testicule et dans le rein.
C R Soc Biol (Paris) 166:715-7, 1972 **(Fre)**
ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY TUBULES, drug effects/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, physiology/ MALE/ *OXIDOREDUCTASES, analysis/ *PINEAL BODY, physiology/ RATS/ *TESTIS, enzymology/ *TESTOSTERONE, pharmacodynamics

3750. **Timmermans L, Devečerski V:** Influence de l'épiphysectomie sur la structure et le métabolisme de la paroi vésicale du rat.
C R Soc Biol (Paris) 166:968-70, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, enzymology/ BLADDER, metabolism/ *BLADDER, physiology/ ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE ISOENZYMES, analysis/ MALE/ MUCOUS MEMBRANE, physiology/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ RATS/ SUCCINATE DEHYDROGENASE, analysis/ TESTOSTERONE, pharmacodynamics

3751. **Timoshenko LV, Selepei IaD:** Funktsional'noe sostoianie nefro-endokrinnoi i simpatiko-adrenalovoi sistem pri rodakh.
Akush Ginekol (Mosk) 48:36-9, Nov 72 **(Rus)**
ADULT/ CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ *HEMORRHAGE, POSTPARTUM, metabolism/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ *LABOR/ PREGNANCY/ PREGNANEDIOL, urine

3752. **Tindal JS:** Reflex pathways controlling lactation.
Proc R Soc Med 65:1085-6, Dec 72 (11 ref.)
ANIMAL EXPERIMENTS/ FEMALE/ FRONTAL LOBE, physiology/ GOATS/ GUINEA PIGS/ HUMAN/ HYPOTHALAMUS, physiology/ *LACTATION/ MAMMAE,

physiology/ OXYTOCIN, secretion/ PROLACTIN, secretion/ RABBITS/ *REFLEX/ REVIEW/ SUCKING BEHAVIOR

3753. **Tingari MD, Lake PE:** Ultrastructural evidence for resorption of spermatozoa and testicular fluid in the excurrent ducts of the testis of the domestic fowl, Gallus domesticus. J Reprod Fertil 31:373-81, Dec 72
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ *CHICKENS, physiology/ CHROMATIN/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ EPIDIDYMIS/ EPITHELIUM/ LIGATION/ MACROPHAGES/ MALE/ MICROSCOPY, ELECTRON/ *SEMEN, physiology/ *SPERMATOZOA/ SPERMATOZOA, cytology/ TESTIS, cytology/ *TESTIS, physiology/ TIME FACTORS/ VAS DEFERENS, surgery

3754. **Tissot R, Ajuriaguerra J de:** Syndrome de Parkinson. Quatre ans d'expérience de la thérapeutique par la L-Dopa associée à un inhibiteur de la décarboxylase. Etude clinique et biochimique.
Nouv Presse Med 2:315-6, 3 Feb 73 **(Fre)**
*BENZYL COMPOUNDS, therapeutic use/ *CARBOXY-LYASES, antagonists & inhibitors/ DEPRESSION, chemically induced/ DOPA, adverse effects/ *DOPA, therapeutic use/ DRUG COMBINATIONS/ HUMAN/ *HYDRAZINES, therapeutic use/ MOVEMENT DISORDERS, chemically induced/ *PARKINSONISM, drug therapy/ SEROTONIN, metabolism

3755. **Tochilin VI:** Dinamika nakopleniia radioaktivnogo ioda transplantatom i belkovosviazannogo ioda plazmy u bol'nykh posle gomotransplantatsii shchitovidno-parashchitovidnogo kompleksa.
Probl Endokrinol (Mosk) 18:32-5, Nov-Dec 72 **(Rus)**
ENGLISH ABSTRACT/ HUMAN/ HYPOPARATHYROIDISM, blood/ *HYPOPARATHYROIDISM, therapy/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, therapy/ *IODINE ISOTOPES, DIAGNOSTIC, metabolism/ *PARATHYROID GLANDS, transplantation/ THYROID GLAND, metabolism/ *THYROID GLAND, transplantation/ *THYROXINE-BINDING PROTEIN/ TRANSPLANTATION, HOMOLOGOUS

3756. **Todhunter EN:** Some aspects of the history of dietetics.
World Rev Nutr Diet 10:1-46, 1973
ANEMIA, HYPOCHROMIC, history/ ANEMIA, MACROCYTIC, history/ AVITAMINOSIS, history/ DIET/ *DIET THERAPY, history/ *DIETETICS, history/ ENGLAND/ FOOD ANALYSIS/ GOITER, ENDEMIC, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 15TH CENT./ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MEDIEVAL/ HOSPITAL FOOD SERVICE, history/ HUMAN/ KWASHIORKOR, history/ NUTRITION/ *NUTRITION DISORDERS, history/ NUTRITION DISORDERS, therapy/ UNITED STATES/ VEGETARIANISM

3757. **Toh YC:** Systematic effect of testosterone on rat liver tumor induction by N-2-fluorenylacetamide.
J Natl Cancer Inst 48:113-8, Jan 72
ACETAMIDES/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ FEMALE/ *FLUORENES/ *LIVER NEOPLASMS, chemically induced/ MALE/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ ORGAN WEIGHT/ OVARY, physiology/ PITUITARY GLAND, physiology/ RATS/ RATS, INBRED STRAINS/ SOMATOTROPIN, analysis/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ THYROID GLAND, physiology/ TIBIA, analysis

3758. **Toivola PT, Gale CC, Goodner CJ, et al:** Central -adrenergic regulation of growth hormone and insulin.
Hormones 3:192-213, 1972
ANIMAL EXPERIMENTS/ BABOONS/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR/ BODY TEMPERATURE, drug effects/ CEREBRAL VENTRICLES, drug effects/ FASTING/ GLYCERIN, blood/ HEART RATE, drug effects/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPOTHALAMUS, drug effects/ INSULIN, analysis/ *INSULIN, secretion/ MALE/ MONKEYS/ PHENTOLAMINE, administration & dosage/ *PHENTOLAMINE, pharmacodynamics/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ STEREOTAXIC TECHNICS/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS

3759. **Tojo S:** [Introduction to the endocrinological background in the survival of the fertilized ova]
Clin Endocrinol (Tokyo) 20:683-6, Sep 72 (6 ref.) **(Jap)**
ESTROGENS, physiology/ FEMALE/ *FERTILIZATION/ FETUS, growth & development/ FSH, physiology/ GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ NIDATION/ *OVUM/ PLACENTA, physiology/ *PLACENTAL HORMONES, physiology/ PLACENTAL LACTOGEN, physiology/ PREGNANCY/ PROGESTERONE, physiology/ REVIEW/ THYROTROPIN, physiology/ TROPHOBLAST

3760. **Tojo S, Mochizuki M, Oga Y, et al:** [Gonadotropins extracted from the trophoblastic tissue]
Folia Endocrinol Jap 48:639-58, 20 Dec 72 **(Jap)**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ FEMALE/ GEL DIFFUSION TESTS/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, biosynthesis/ GONADOTROPINS, CHORIONIC, isolation & purification/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ HYDATIDIFORM MOLE, metabolism/ IMMUNOELECTROPHORESIS/ NUCLEOTIDYLTRANSFERASES, metabolism/ OVARY, drug effects/ OVARY, enzymology/ OXIDOREDUCTASES, metabolism/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS/ THYMIDINE, metabolism/ TISSUE CULTURE/ TRITIUM/ *TROPHOBLAST, analysis/ TROPHOBLAST, metabolism

3761. **Tojo S, Nakano R, Washio M:** [Gonadotropins--their side effects]
Clin Endocrinol (Tokyo) 20:787-95, Oct 72 (40 ref.) **(Jap)**
AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ ASCITES, chemically induced/ FEMALE/ GONADOTROPINS, administration & dosage/ *GONADOTROPINS, adverse effects/ GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ GONADOTROPINS, EQUINE, therapeutic use/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ HYDROTHORAX, chemically induced/ MENOTROPINS, therapeutic use/ OVARIAN CYSTS, chemically induced/ OVARIAN DISEASES, chemically induced/ OVULATION, drug effects/ PREGNANCY/ PREGNANCY, MULTIPLE/ REVIEW/ THROMBOSIS, chemically induced

3762. **Tolas AG:** Medical problems which influence choice of anesthetic. Dent Clin North Am 17:211-34, Apr 73
AIRWAY OBSTRUCTION/ AIRWAY RESISTANCE/ ANEMIA, complications/ *ANESTHESIA, DENTAL/ *ANESTHETICS/ CARDIOVASCULAR DISEASES, complications/ *DENTAL CARE/ ENDOCRINE DISEASES, complications/ HEPATITIS, complications/ HUMAN/ INFECTION/ *MEDICAL HISTORY TAKING/ MENTAL DISORDERS, complications/ NEUROMUSCULAR DISEASES, complications/ PATIENT CARE PLANNING/ PREGNANCY/ PREGNANCY COMPLICATIONS

3763. **Tong EC, Finkelstein P:** The treatment of prostatic bone metastases with parathormone and radioactive phosphorus. J Urol 109:71-5, Jan 73

ACID PHOSPHATASE, blood/ *ADENOCARCINOMA/ AGED/ ALKALINE PHOSPHATASE, blood/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, enzymology/ BONE NEOPLASMS, radiography/ BONE NEOPLASMS, radiotherapy/ *BONE NEOPLASMS, therapy/ HUMAN/ MALE/ MIDDLE AGE/ PAIN/ *PARATHYROID HORMONE, therapeutic use/ *PHOSPHORUS ISOTOPES, therapeutic use/ *PROSTATIC NEOPLASMS

3764. **Toole BP, Kang AH, Trelstad RL, et al:** Collagen heterogeneity within different growth regions of long bones of rachitic and non-rachitic chicks.
Biochem J 127:715-20, May 72
AMINO ACIDS, analysis/ AMINOPROPIONITRILE/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CALCIFICATION, PHYSIOLOGIC/ CHICKENS/ CHROMATOGRAPHY/ *COLLAGEN, metabolism/ EPIPHYSES, analysis/ HYDROXYLATION/ LATHYRISM, metabolism/ LYSINE/ *OSTEOGENESIS/ *RICKETS, metabolism

3765. **Topper YJ, Oka T, Owens IS, et al:** Some aspects of mouse mammary gland development from maturity to early pregnancy. In Vitro 8:228-36, Nov-Dec 72
AMINOBUTYRIC ACID, analysis/ BLOOD PROTEINS, pharmacodynamics/ CARBON ISOTOPES/ CASEIN, biosynthesis/ CELL DIVISION/ EPITHELIAL CELLS/ ESTRUS/ FEMALE/ INSULIN, pharmacodynamics/ LACTALBUMIN, biosynthesis/ MAMMAE, analysis/ MAMMAE, cytology/ MAMMAE, drug effects/ *MAMMAE, growth & development/ MAMMAE, metabolism/ *MICE, growth & development/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROLACTIN, pharmacodynamics/ STIMULATION, CHEMICAL

3766. **Torda C:** Hyperpolarization by cyclic AMP (activation of diphosphoinositide kinase).
Experientia 28:1438-9, 15 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ GANGLIA, SPINAL, cytology/ GANGLIA, SPINAL, physiology/ *MEMBRANE POTENTIALS, drug effects/ NEURONS, enzymology/ *NEURONS, physiology/ PHOSPHOINOSITIDES/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ RABBITS

3767. **Torsuev NA, Romanenko VN:** Obyknovennaia puzyrchatka (sovremennye aspekty, étiologii, patogeneza, kliniki, diagnotiki i lechenila.
Vestn Dermatol Venerol 46:7-11, Sep 72 **(Rus)**
ADULT/ AUTOIMMUNE DISEASES/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PEMPHIGUS/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ PEMPHIGUS, etiology/ PEMPHIGUS, immunology/ TRIAMCINOLONE, therapeutic use

3768. **Tortora M:** Remission of metastatic choriocarcinoma by methotrexate and 6-mercaptopurine; case report.
Arch Ostet Ginecol 77:73-80, Apr 72
ADULT/ *CHORIOCARCINOMA, drug therapy/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, surgery/ HYSTERECTOMY/ *MERCAPTOPURINE, therapeutic use/ *METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS, drug therapy/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ REMISSION/ THORACIC NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, drug therapy

3769. **Tosa T, Sano R, Yamamoto K, et al:** L-Asparaginase from Proteus vulgaris. Subunit and amino acid composition. Biochemistry 12:1075-9, 13 Mar 73
*AMINO ACIDS, analysis/ *ASPARAGINASE, analysis/ CARBOHYDRATES, analysis/ CHEMISTRY/ DISULFIDES, analysis/ ELECTROPHORESIS, DISK/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESCHERICHIA COLI, enzymology/ GEL FILTRATION/ GUANIDINES/ LEUCINE, analysis/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ PROTEIN DENATURATION/ *PROTEUS, enzymology/ PROTEUS VULGARIS, enzymology/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY/ THIOHYDANTOINS/ TYROSINE, analysis/ ULTRACENTRIFUGATION/ UREA

3770. **Tóth F, Gimes R, Horn B, et al:** Suche neuer Wege mit "low dose" Kontrazeptivmitteln. I.
Z Aerztl Fortbild (Jena) 66:1021-5, 15 Oct 72 **(Ger)**
*CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ESTROGENS/ ETHINYL ESTRADIOL, administration & dosage/ ETHYNODIOL DIACETATE, administration & dosage/ FEMALE/ HUMAN/ LYNESTRENOL, administration & dosage/ MENSTRUATION/ MESTRANOL, administration & dosage/ NORETHINDRONE, administration & dosage/ THROMBOEMBOLISM, chemically induced/ VAGINA, cytology/ VAGINAL SMEARS

3771. **Touchstone JC, Wortmann W:** High-pressure liquid chromatography of corticosteroids.
J Chromatogr 76:244-7, 7 Feb 73
*ALDOSTERONE, isolation & purification/ *CHROMATOGRAPHY/ *CORTISONE, isolation & purification/ *HYDROCORTISONE, isolation & purification/ METHODS/ PRESSURE/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

3772. **Townsley JD, Gartman LJ, Crystle CD:** Maternal serum 17 -estradiol levels in normal and complicated pregnancies: a comparison with other estrogen indices of fetal health.
Am J Obstet Gynecol 115:830-4, 15 Mar 73
CREATININE, urine/ *ESTRADIOL, blood/ ESTRIOL, blood/ ESTROGENS, urine/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ RADIOIMMUNOASSAY/ TIME FACTORS

3773. **Tracey ML:** Sex chromosome translocations in the evolution of reproductive isolation.
Genetics 72:317-33, Oct 72
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ *DROSOPHILA MELANOGASTER/ *EVOLUTION/ FEMALE/ FERTILITY/ MALE/ MATHEMATICS/ *REPRODUCTION/ *SEX CHROMOSOMES

3774. **Tränkmann J:** Die Rarefikation implantierter hartgewebsproben--ein Beitrag zur Resorption wurzelbehandelter Milchzähne.
ZWR 81:968-77, 25 Oct 72 **(Ger)**
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CALCIUM, analysis/ *DENTIN, transplantation/ HUMAN/ PHOSPHORUS, analysis/ RATS/ ROOT CANAL THERAPY/ TOOTH, DECIDUOUS/ *TOOTH RESORPTION

3775. **Trapp P, Hascher J, Tzonos T:** Nuklearmedizinische und neuroradiologische Untersuchungsergebnisse bei postoperativen Hirntumorrezidiven.
Nucl Med (Stuttg) 11:234-46, 15 Nov 72 **(Ger)**
ASTROCYTOMA, diagnosis/ BRAIN, radiation effects/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, surgery/ CHORDOMA, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ ENGLISH ABSTRACT/ EPENDYMOMA, diagnosis/ FALSE POSITIVE REACTIONS/ GLIOBLASTOMA MULTIFORME, diagnosis/ HUMAN/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ MENINGIOMA, diagnosis/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ OLIGODENDROGLIOMA, diagnosis/ *POSTOPERATIVE COMPLICATIONS, diagnosis/ RADIATION INJURIES, diagnosis/ RADIOISOTOPE SCANNING/ RADIOTHERAPY, adverse effects/ TECHNETIUM,

diagnostic use/ TERATOID TUMOR, diagnosis/ TIME FACTORS

3776. **Trauch JA, Mumby M, Traut RR:** Phosphorylation of ribosomal proteins by substrate-specific protein kinases from rabbit reticulocytes.
Proc Natl Acad Sci USA 70:373-6, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ BLOOD PROTEINS, analysis/ *BLOOD PROTEINS, metabolism/ CASEIN, metabolism/ CELL FRACTIONATION/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUANOSINE TRIPHOSPHATE, metabolism/ HISTONES, metabolism/ MOLECULAR WEIGHT/ *OXIDATIVE PHOSPHORYLATION/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, analysis/ *PHOSPHOTRANSFERASES, metabolism/ RABBITS/ *RETICULOCYTES, enzymology/ *RIBOSOMES, metabolism/ SERINE, metabolism/ THREONINE, metabolism

3777. **Trautwein K, Kopp C, Scherle H, et al:** Die Reduktion von Fluor-Emission und-Immission, ein Modell für Umweltschutz.
Berl Munch Tieraerztl Wochenschr 86:8-11, 1 Jan 73 (Ger)
AIR POLLUTION, analysis/ *AIR POLLUTION, prevention & control/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CATTLE/ *CATTLE DISEASES, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ FILTRATION/ *FLUORINE, analysis/ INDUSTRIAL WASTE, analysis/ METALLURGY

3778. **Trepechov S, Shturkalev I:** Khormonalno lechenie na zastrashenata v rannite mesetsi bremennost.
Akush Ginekol (Sofiia) 11:152-60, 1972 (Bul)
*ABORTION, THREATENED, drug therapy/ CAPROATES, therapeutic use/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, therapeutic use/ PREGNANCY

3779. **Trethowan JD, McEvedy MB, King RC:** Treatment of Wegener's granulomatosis. Lancet 1:318-9, 10 Feb 73
ADULT/ AZATHIOPRINE, therapeutic use/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, radiotherapy/ *WEGENER'S GRANULOMATOSIS, therapy

3780. **Triger DR, Joekes AM:** Renal amyloidosis--a fourteen-year follow-up. Q J Med 42:15-40, Jan 73
ADRENAL GLANDS, pathology/ ADULT/ AGED/ AMYLOIDOSIS, complications/ *AMYLOIDOSIS, diagnosis/ AMYLOIDOSIS, pathology/ AUTOPSY/ BIOPSY/ FEMALE/ FLUORESCENCE/ FOLLOW-UP STUDIES/ GASTROINTESTINAL SYSTEM, pathology/ HUMAN/ HYPERTENSION, RENAL, complications/ KIDNEY, pathology/ KIDNEY DISEASES, complications/ *KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, pathology/ LIVER, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MYOCARDIUM, pathology/ PROGNOSIS/ THROMBOPHLEBITIS, complications

3781. **Triner L, Vuilliemoz Y, Verosky M, et al:** Adenyl cyclase-phosphodiesterase system in arterial smooth muscle. Life Sci [I] 11:817-24, 1 Sep 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *AORTA, enzymology/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, enzymology/ MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ TRITIUM

3782. **Tritthart H, MacLeod DP, Stierle HE, et al:** Effects of Ca-free and EDTA-containing tyrode solution on transmembrane electrical activity and contraction in guinea pig papillary muscle.
Pfluegers Arch 338:361-76, 1973
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BICARBONATES/ CALCIUM, metabolism/ CALCIUM CHLORIDE, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ DRUG COMBINATIONS/ *EDTA, pharmacodynamics/ GLUCOSE/ GUINEA PIGS/ ISOTONIC SOLUTIONS/ MAGNESIUM/ *MEMBRANE POTENTIALS, drug effects/ *MUSCLES, drug effects/ PAPILLARY MUSCLES, drug effects/ PHOSPHATES/ POTASSIUM CHLORIDE, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

3783. **Trokel SL:** The orbit.
Arch Ophthalmol 89:152-62, Feb 73 (179 ref.)
CRANIOFACIAL DYSOSTOSIS, pathology/ EYE MANIFESTATIONS/ FRACTURES/ GOITER, EXOPHTHALMIC/ HUMAN/ INFLAMMATION/ MICROPHTHALMOS, pathology/ *ORBIT/ ORBIT, anatomy & histology/ ORBIT, blood supply/ ORBIT, injuries/ ORBIT, surgery/ ORBITAL NEOPLASMS, diagnosis/ REVIEW/ ULTRASONICS, diagnostic use

3784. **Trzeciak B:** Przypadek rzekomego guza narządu rodnego po długotrwałym zażywaniu doustnych środków antykoncepcyjnych.
Pol Tyg Lek 28:180-1, 29 Jan 73 (Pol)
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, SURGICAL/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ HYPERTROPHY, chemically induced/ TIME FACTORS/ UTERINE DISEASES, chemically induced/ *UTERINE DISEASES, diagnosis

3785. **Tsai SC, Vaughan M:** Inactivation of hormone-sensitive lipase in extracts of adipose tissue.
J Biol Chem 247:6253-8, 10 Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ *ADIPOSE TISSUE, enzymology/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ EDTA/ EPIDIDYMIS, enzymology/ GEL FILTRATION/ GUANOSINE TRIPHOSPHATE/ *HORMONES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LIPASE, antagonists & inhibitors/ LIPASE, isolation & purification/ MAGNESIUM/ MALE/ PHOSPHOCREATINE/ PHOSPHOTRANSFERASES, antagonists & inhibitors/ PRECIPITATION/ PROTEINS/ PYROPHOSPHATES/ RATS/ TEMPERATURE

3786. **Tsibenko VO:** Hipotalamichna rehuliatsiia systemnoho i lehenevoho krovoobihu ta ii funktionsal'ne znachennia.
Fiziol Zh 18:500-7, Jul-Aug 72 (Ukr)
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ OXYGEN, blood/ PARTIAL PRESSURE/ *PULMONARY CIRCULATION/ VASOMOTOR SYSTEM, physiology

3787. **Tuchmann-Duplessis H, Mercier-Parot L:** Action de la prostaglandine F2a sur le corps jaune de la ratte gestante.
C R Acad Sci [D] (Paris) 275:2033-5, 30 Oct 72 (Fre)
*ABORTION, chemically induced/ ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ DRUG INTERACTIONS/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ *PREGNANCY, ANIMAL, drug effects/ PREGNANCY, MULTIPLE/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ VAGINAL SMEARS

3788. **Tuchweber B, Solymoss B, Khandekar JD, et al:** Effect of pregnenolone-16 -carbonitrile on the hepatic ultrastructure, glycogen content and ethylmorphine n-demethylase activity in pregnant, fetal, and newborn rats. Exp Mol Pathol 17:281-95, Dec 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARBON ISOTOPES/ ENDOPLASMIC RETICULUM, drug effects/ FEMALE/ HISTOLOGICAL TECHNICS/ LIVER, cytology/ *LIVER, drug effects/ LIVER, embryology/ LIVER, enzymology/ LIVER, metabolism/ *LIVER GLYCOGEN, metabolism/ MATERNAL-FETAL EXCHANGE/ *METHYLTRANSFERASES, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, drug effects/ MORPHINE/ NITRILES, metabolism/ NITRILES, pharmacodynamics/ ORGAN WEIGHT/ PREGNANCY/ PREGNENOLONE, metabolism/ *PREGNENOLONE, pharmacodynamics/ RATS

3789. **Tucker HA, Koprowski JA, Oxender WD:** Relationships among mammary nucleic acids, milk yield, serum prolactin, and growth hormone in heifers from 3 months of age to lactation. J Dairy Sci 56:184-8, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CATTLE, growth & development/ *CATTLE, physiology/ ESTRUS/ FEMALE/ *LACTATION/ *NUCLEIC ACIDS, metabolism/ PREGNANCY/ *PROLACTIN, blood/ PUERPERIUM/ *SOMATOTROPIN, blood/ *UDDER, metabolism

3790. **Tucker JA:** Mediastinoscopy: 300 cases reported and literature reviewed. Laryngoscope 82:2226-48, Dec 72
*ADENOCARCINOMA, diagnosis/ BREAST NEOPLASMS, diagnosis/ *CARCINOMA, EPIDERMOID, diagnosis/ CHILD/ DISGERMINOMA, diagnosis/ *ENDOSCOPY/ ENDOSCOPY, adverse effects/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LARYNGEAL NEOPLASMS, diagnosis/ *LUNG NEOPLASMS, diagnosis/ MALE/ *MEDIASTINAL DISEASES, diagnosis/ *MEDIASTINAL NEOPLASMS, diagnosis/ *MEDIASTINUM/ NEOPLASM METASTASIS/ *SARCOIDOSIS, diagnosis/ STOMACH NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, diagnosis/ THYROID NEOPLASMS, diagnosis/ TUBERCULOSIS, LYMPH NODE, diagnosis

3791. **Tulloch BR, Lewis B, Fraser TR:** Triglyceride metabolism in thyroid disease.
Lancet 1:391-4, 24 Feb 73
ADOLESCENCE/ ADULT/ CHOLESTEROL, blood/ FASTING/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ LIVER, metabolism/ MALE/ MIDDLE AGE/ MYXEDEMA, blood/ THYROID DISEASES, blood/ THYROID DISEASES, drug therapy/ *THYROID DISEASES, metabolism/ THYROID DISEASES, physiopathology/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROXINE, therapeutic use/ TRIGLYCERIDES, blood/ *TRIGLYCERIDES, metabolism

3792. **Turakulov IaKh, Khalikov SK, Rakhimov M, et al:** Struktura i funktsii poliribosom shchitovidnoĭ zhelezy.
Probl Endokrinol (Mosk) 18:78-81, Nov-Dec 72 **(Rus)**
CARBON ISOTOPES/ DACTINOMYCIN, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ MICROSCOPY, ELECTRON/ POLYRIBOSOMES, analysis/ *POLYRIBOSOMES, metabolism/ PROTEIN BINDING/ *PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RIBONUCLEASE, pharmacodynamics/ RNA, MESSENGER, metabolism/ *THYROID GLAND, metabolism/ TYROSINE, metabolism

3793. **Turnell RW, Clarke LH, Burton AF:** Studies on the mechanism of corticosteroid-induced lymphocytolysis. Cancer Res 33:203-12, Feb 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, drug effects/ CELL SURVIVAL/ CELLS, CULTURED/ DRUG RESISTANCE/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ *LEUKEMIA L1210/ *T-LYMPHOCYTES, drug effects/ *LYMPHOSARCOMA/ LYMPHOSARCOMA, metabolism/ MICE/ MICE, INBRED BALB C/ MICE, INBRED DBA/ MICROSCOPY, ELECTRON/ OXIDATION-REDUCTION/ PALMITIC ACID, metabolism/ *SARCOMA, EXPERIMENTAL

3794. **Turner BH:** Sensorimotor syndrome produced by lesions of the amygdala and lateral hypothalamus. J Comp Physiol Psychol 82:37-47, Jan 73
AGGRESSION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ AUDITORY PERCEPTION/ *BEHAVIOR, ANIMAL/ ELECTROSHOCK/ GROOMING/ *HYPOTHALAMUS, physiology/ LATERALITY/ MALE/ MOTOR ACTIVITY/ MOTOR CORTEX, physiology/ NEURAL INTERCONNECTIONS, physiology/ ORIENTATION/ RATS/ REFLEX/ *SOMATOSENSORY CORTEX, physiology/ STEREOTAXIC TECHNICS/ TOUCH/ VISUAL FIELDS/ VISUAL PERCEPTION

3795. **Turner FE, King JC:** Spectrophotometric analysis of intravenous admixtures containing metaraminol and corticosteroids. Am J Hosp Pharm 30:128-33, Feb 73
CHEMISTRY, PHARMACEUTICAL/ DEXAMETHASONE, analysis/ DRUG COMBINATIONS/ *GLUCOCORTICOIDS, analysis/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ *METARAMINOL, analysis/ PHOSPHATES, analysis/ PREDNISOLONE, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUCCINATES, analysis/ TARTRATES, analysis

3796. **Turner MR:** Perinatal mortality, growth and survival to weaning in offspring of rats reared on diets moderately deficient in protein.
Br J Nutr 29:139-47, Jan 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BIRTH WEIGHT/ BODY WEIGHT/ FEEDING BEHAVIOR/ FEMALE/ *FETAL DEATH/ LACTATION/ MAMMAE, anatomy & histology/ ORGAN WEIGHT/ PREGNANCY/ *PROTEIN DEFICIENCY/ RATS/ *REPRODUCTION/ TIME FACTORS

3797. **Turner T:** An unusual case of hydronephrosis in a spayed Alsatian bitch. Vet Rec 91:588-90, 9 Dec 72
AMPICILLIN, therapeutic use/ ANESTHESIA, GENERAL, veterinary/ ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS, veterinary/ CASTRATION, adverse effects/ *CASTRATION, veterinary/ *DOG DISEASES, surgery/ DOGS/ EOSINOPHILS/ FEMALE/ GLUCOSE, therapeutic use/ HYDRONEPHROSIS, etiology/ HYDRONEPHROSIS, surgery/ *HYDRONEPHROSIS, veterinary/ *HYSTERECTOMY, veterinary/ KIDNEY, pathology/ LYMPHOCYTES/ MONOCYTES/ OMENTUM, pathology/ URINE, analysis

3798. **Turowski G, Sowiński S, Zdebski Z:** Cytotoksyczne przeciwciała anty- HL- A w przypadku zaśniadu groniastego w pierwszej ciąży.
Ginekol Pol 44:169-71, Feb 73 **(Pol)**
ABO FACTORS/ *ANTIBODIES, analysis/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, immunology/ FEMALE/ GESTATIONAL AGE/ *HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ *HYDATIDIFORM MOLE, immunology/ LEUKOCYTES, immunology/ MATERNAL-FETAL EXCHANGE/ PARITY/ PREGNANCY/ RH FACTORS

3799. **Tyrell M, Myers RD:** Metabolism of (14 C)-serotonin in the caudate nucleus, hypothalamus and reticular formation of the rat after ethanol administration.
Biochem Pharmacol 22:361-72, 1 Feb 73
ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/

ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CAUDATE NUCLEUS, drug effects/ *CAUDATE NUCLEUS, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MICROINJECTIONS/ PERFUSION/ RATS/ RETICULAR FORMATION, drug effects/ *RETICULAR FORMATION, metabolism/ *SEROTONIN, metabolism/ STEREOTAXIC TECHNICS/ TIME FACTORS

U

3800. **Uchida K:** [Pathogenesis of essential hypertension with suppressed plasma renin activity]
Folia Endocrinol Jap 48:674-84, 20 Dec 72 **(Jap)**
ADULT/ BLOOD PRESSURE, drug effects/ DIET, SALT-FREE/ DIURESIS/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, administration & dosage/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, physiopathology/ HYPERTENSION, blood/ *HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ HYPERTENSION, urine/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ POTASSIUM, urine/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine/ SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE, pharmacodynamics

3801. **Uchida Y:** [Herpetic keratitis--from the diagnostic standpoint]
Acta Soc Ophthalmol Jap 76:1391-413, Oct 72 **(Jap)**
ADENOVIRUS INFECTIONS, complications/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HERPESVIRUS HOMINIS, isolation & purification/ HUMAN/ INFANT/ INFANT, NEWBORN/ KERATITIS, DENDRITIC, complications/ *KERATITIS, DENDRITIC, diagnosis/ KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, microbiology/ MALE/ MIDDLE AGE/ SKIN TESTS

3802. **Ueberberg H:** Elektronenmikroskopische Untersuchungen an der Nebennierenrinde der Ratte nach Gabe eines Glucocorticoids.
Endokrinologie 60:161-80, 1972 **(Ger)**
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, secretion/ *ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ *DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ GLYCOGEN, analysis/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RATS/ RATS, INBRED STRAINS/ RIBOSOMES

3803. **Ueda G, Hayakawa K, Hamanaka N, et al:** Enzyme histochemistry of experimental ovarian tumors in mice. Acta Obstet Gynaecol Jap 19:16-24, Jan 72
ANIMAL EXPERIMENTS/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYDROLASES, metabolism/ MICE/ NEOPLASMS, EXPERIMENTAL, enzymology/ *OVARIAN NEOPLASMS, enzymology/ *OXIDOREDUCTASES, metabolism

3804. **Uehara Y:** Unique sensory endings in rat muscle spindles.
Z Zellforsch Mikrosk Anat 136:511-20, 6 Feb 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ AXONS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ GESTATIONAL AGE/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ MUSCLES, embryology/ MUSCLES, growth & development/ *MUSCLES, innervation/ *NERVE ENDINGS, cytology/ *NEUROMUSCULAR SPINDLES, cytology/ RATS/ SCHWANN CELLS/ STERNUM/ THYROID GLAND

3805. **Uesaka I, Kubo S, Takamatsu Y, et al:** [Studies on diazabicycloalkanes. I. Pharmacological studies of octahydro-2H-pyrido(1,2-a)pyrazine derivatives and related compounds, especially their antihistaminic activities]
J Pharm Soc Jap 92:1339-49, Nov 72 **(Jap)**
ANESTHETICS, LOCAL/ ANIMAL EXPERIMENTS/ *ANTIHISTAMINICS/ BARIUM, antagonists & inhibitors/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ MUSCLE, SMOOTH, drug effects/ PARASYMPATHOLYTICS/ *PTERIDINES, pharmacodynamics/ PYRAZINES/ PYRIDINES/ RATS/ SEROTONIN, antagonists & inhibitors/ STRUCTURE-ACTIVITY RELATIONSHIP

3806. **Uhlich E, Loeschke K, Eigler J:** Zur antidiuretischen Wirkung von Carbamazepin bei Diabetes insipidus.
Klin Wochenschr 50:1127-33, 15 Dec 72 **(Ger)**
ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BUFO MARINUS/ *CARBAMAZEPINE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ EPITHELIUM, metabolism/ FEMALE/ IN VITRO/ MALE/ MEMBRANE POTENTIALS/ OSMOLAR CONCENTRATION/ OSMOSIS, drug effects/ RATS/ TOADS/ VASOPRESSIN, pharmacodynamics/ WATER, metabolism

3807. **Ullenbroek JT, Werff ten Bosch JJ van:** Ovulation induced by pregnant mare serum gonadotrophin in the immature rat treated neonatally with a low or a high dose of androgen. J Endocrinol 55:533-41, Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ OVARY, drug effects/ *OVULATION, drug effects/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics

3808. **Ukita M:** [Platelet aggregation and cyclic AMP]
Jap J Clin Pathol 20:805-9, Nov 72 (7 ref.) **(Jap)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, drug effects/ EPINEPHRINE, pharmacodynamics/ KAOLIN, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ THEOPHYLLINE, pharmacodynamics

3809. **Ulbrych-Jabłońska A:** The hypocalcemic effect of glucagon in cases of hypercalcemia.
Helv Paediatr Acta 27:613-5, Dec 72
APPETITE DISORDERS, chemically induced/ FEMALE/ GLUCAGON, administration & dosage/ *GLUCAGON, therapeutic use/ HUMAN/ HYPERCALCEMIA, chemically induced/ *HYPERCALCEMIA, drug therapy/ INFANT/ VITAMIN D, adverse effects/ VOMITING, chemically induced

3810. **Ulmer WT:** Was ist gesichert in der Behandlung der obstruktiven Atemwegserkrankungen.
Internist (Berlin) 13:507-13, Dec 72 **(Ger)**
AIRWAY OBSTRUCTION, complications/ AIRWAY OBSTRUCTION, drug therapy/ AIRWAY OBSTRUCTION, physiopathology/ *AIRWAY OBSTRUCTION, therapy/ ANTIBIOTICS, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ OBESITY, complications/ PUNCTURES

3811. **Ultmann JE, Moran EM:** Clinical course and complications in Hodgkin's disease.
Arch Intern Med 131:311-53, Mar 73 (341 ref.)
ABDOMINAL NEOPLASMS/ AIRWAY OBSTRUCTION, etiology/ BONE MARROW/ BRAIN NEOPLASMS/ HEART NEOPLASMS/ HEMATOLOGIC DISEASES, etiology/ *HODGKIN'S DISEASE/ HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, etiology/ HODGKIN'S DISEASE, immunology/ HUMAN/ IMMUNOLOGIC DISEASES, complications/ LIVER NEOPLASMS/ LUNG NEOPLASMS/ LYMPHATIC METASTASIS, etiology/ MEDIASTINAL NEOPLASMS/ NEOPLASM CIRCULATING CELLS/ NEOPLASMS, MULTIPLE PRIMARY/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PERIPHERAL NERVE DISEASES, etiology/ RETROPERITONEAL NEOPLASMS/ REVIEW/ SKIN NEOPLASMS/ SPINAL CORD NEOPLASMS/ SPLENIC NEOPLASMS/ UROGENITAL NEOPLASMS/ VENA CAVA, SUPERIOR

3812. **Umehara C, Muroo M:** [Protein anabolic steroid]
Clin Endocrinol (Tokyo) 20:809-12, Oct 72 (11 ref.) (Jap)
ANABOLIC STEROIDS, administration & dosage/ *ANABOLIC STEROIDS, adverse effects/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ LIVER DISEASES, complications/ MALE/ MENSTRUATION DISORDERS, chemically induced/ PROSTATIC HYPERTROPHY, complications/ PROSTATIC NEOPLASMS, complications/ REVIEW/ VIRILISM, chemically induced

3813. **Underwood LE, Radcliffe WB, Strickland AL, et al:** Assessment of the sella turcica volume in dwarfed children.
J Clin Endocrinol Metab 36:734-41, Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, pathology/ HUMAN/ *HYPOPITUITARISM, pathology/ SELLA TURCICA, anatomy & histology/ *SELLA TURCICA, pathology

3814. **Unger WP:** Systemic corticosteroids in alopecia totalis.
Can Med Assoc J 108:177-80, 20 Jan 73
ADOLESCENCE/ *ALOPECIA, drug therapy/ ALOPECIA, pathology/ FEMALE/ *GLUCOCORTICOIDS, administration & dosage/ HUMAN/ INJECTIONS, INTRADERMAL/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use

3815. **Uno I, Ishikawa T:** Metabolism of adenosine 3',5'-cyclic monophosphate and induction of fruiting bodies in Coprinus macrorhizus.
J Bacteriol 113:1249-55, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, biosynthesis/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CAFFEINE, pharmacodynamics/ CELL-FREE SYSTEM/ CHROMATOGRAPHY, ION EXCHANGE/ GEL FILTRATION/ MUSHROOMS, enzymology/ *MUSHROOMS, growth & development/ MUSHROOMS, metabolism/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ SPORES, FUNGAL, growth & development/ THEOPHYLLINE, pharmacodynamics/ TRITIUM

3816. **Uno I, Ishikawa T:** Purification and identification of the fruiting-inducing substances in Coprinus macrorhizus.
J Bacteriol 113:1240-8, Mar 73
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE MONOPHOSPHATE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FUNGAL PROTEINS, analysis/ GEL FILTRATION/ MOLECULAR WEIGHT/ MUSHROOMS, analysis/ *MUSHROOMS, growth & development/ MUSHROOMS, metabolism/ MUTATION/ PLANT EXTRACTS, analysis/ *PLANT GROWTH REGULATORS, analysis/ PLANT GROWTH REGULATORS, isolation & purification/ PROTEIN BINDING/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPORES, FUNGAL, growth & development/ TRITIUM

3817. **Unterharnscheidt FJ:** Die traumatischen Hirnschäden. Mechanogenese, Pathomorphologie und Klinik.
Z Rechtsmed 71:153-221, 1972 (Ger)
ADOLESCENCE/ ADULT/ ARTERIOVENOUS FISTULA, pathology/ BIOMECHANICS/ BLAST INJURIES, physiopathology/ BRAIN ABSCESS, pathology/ BRAIN CONCUSSION, pathology/ BRAIN DAMAGE, CHRONIC, etiology/ *BRAIN DAMAGE, CHRONIC, pathology/ BRAIN DEATH/ BRAIN EDEMA, etiology/ BRAIN INJURIES, ACUTE, complications/ BRAIN INJURIES, ACUTE, etiology/ *BRAIN INJURIES, ACUTE, pathology/ BRAIN STEM, injuries/ CAROTID ARTERIES, injuries/ CEREBRAL HEMORRHAGE, pathology/ CHILD/ CORPUS CALLOSUM, injuries/ CRANIAL NERVES, injuries/ EMBOLISM, FAT, etiology/ ENGLISH ABSTRACT/ *FORENSIC MEDICINE/ HEAD INJURIES, complications/ HUMAN/ MIDDLE AGE/ PITUITARY GLAND, injuries/ WOUNDS, GUNSHOT, pathology

3818. **Uozumi T, Ryan RJ:** Isolation, amino acid composition, and radioimmunoassay of human brain S 100 protein.
Mayo Clin Proc 48:50-6, Jan 73
*AMINO ACIDS, analysis/ *BRAIN CHEMISTRY/ CALCIUM, metabolism/ CATTLE, immunology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ MOLECULAR WEIGHT/ NERVE TISSUE PROTEIN S 100, analysis/ NERVE TISSUE PROTEIN S 100, isolation & purification/ *NERVE TISSUE PROTEINS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY

3819. **Urasaki H:** Effects of restricted photoperiod and melatonin administration of gonadal weight in the Japanese killifish.
J Endocrinol 55:619-20, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ *FISHES/ *GONADS, anatomy & histology/ GONADS, drug effects/ *LIGHT/ MALE/ *MELATONIN, pharmacodynamics/ ORGAN WEIGHT/ PINEAL BODY, physiology/ PINEAL BODY, surgery/ SEX FACTORS

3820. **Uren JR, Neurath H:** Mechanism of activation of bovine procarboxypeptidase A S 5 . Alterations in primary and quaternary structure.
Biochemistry 11:4483-92, 21 Nov 72
AMINO ACIDS, analysis/ BINDING SITES/ CALCIUM/ CARBON ISOTOPES/ *CARBOXYPEPTIDASES/ CARBOXYPEPTIDASES, analysis/ CARBOXYPEPTIDASES, antagonists & inhibitors/ CARBOXYPEPTIDASES, isolation & purification/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHYMOTRYPSIN/ ELECTROPHORESIS/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ ENZYME PRECURSORS/ GEL FILTRATION/ ISOFLUROPHATE/ KINETICS/ MACROMOLECULAR SYSTEMS/ MODELS, CHEMICAL/ MOLECULAR WEIGHT/ *PANCREAS, enzymology/ SODIUM DODECYL SULFATE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOCYANATES/ TRYPSIN/ ULTRACENTRIFUGATION

3821. **Uriel J, Rubio N, Aussel C, et al:** Localisation autoradiographique de récepteurs utérins d'aestrogènes par marquage cellulaire d'affinité.
C R Acad Sci [D] (Paris) 275:2715-6, 6 Dec 72 (Fre)
ANIMAL EXPERIMENTS/

AUTORADIOGRAPHY/ CELL MEMBRANE/ CYTOPLASM/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ FETAL MEMBRANES, metabolism/ HISTOCYTOCHEMISTRY/ METHODS/ RATS/ *RECEPTORS, DRUG/ TRITIUM/ UTERUS, blood supply/ *UTERUS, physiology/ UTERUS, secretion

3822. Usa T: [Pseudohypoparathyroidism]
Jap J Clin Med 30:2312-6, Nov 72 (46 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADOLESCENCE/ ADULT/ ANTIBODIES, analysis/ CALCIUM, metabolism/ FEMALE/ FIBROUS DYSPLASIA OF BONE/ HUMAN/ HYPOCALCEMIA, complications/ MALE/ PARATHYROID HORMONE, physiology/ *PSEUDOHYPOPARATHYROIDISM/ PSEUDOHYPOPARATHYROIDISM, complications/ REVIEW/ THYROCALCITONIN, physiology

3823. Ussov J, Dada K: Edematous forms of nephritis in children and their treatment.
Indian Pediatr 9:406-7, Jul 72
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ DIURETICS, therapeutic use/ *EDEMA, drug therapy/ FEMALE/ HUMAN/ MALE/ *NEPHRITIS, drug therapy/ *NEPHROSIS, LIPOID, drug therapy/ PREDNISOLONE, therapeutic use/ TRIAMCINOLONE, therapeutic use

V

3824. Vagenakis AG, Downs P, Braverman LE, et al: Control of thyroid hormone secretion in normal subjects receiving iodides. J Clin Invest 52:528-32, Feb 73
ADULT/ AGED/ HUMAN/ IODIDES, blood/ MALE/ MIDDLE AGE/ *POTASSIUM IODIDE, pharmacodynamics/ SECRETORY RATE/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3825. Vaguia MG: Vplyv tyroksynu i 6-methyltiouratsilu na aktynist' suktsynatdehidrohenazy v tkanynakh shchuriv.
Ukr Biokhim Zh 44:447-9, 1972 (Ukr)
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ ENGLISH ABSTRACT/ LIVER, enzymology/ MYOCARDIUM, enzymology/ RATS/ *SUCCINATE DEHYDROGENASE, metabolism/ *THIOURACIL, pharmacodynamics/ *THYROXINE, pharmacodynamics

3826. Vahlquist A, Peterson PA: Comparative studies on the vitamin A transporting protein complex in human and cynomolgus plasma.
Biochemistry 11:4526-32, 21 Nov 72
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARRIER PROTEINS, analysis/ *CARRIER PROTEINS, blood/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, ION EXCHANGE/ CIRCULAR DICHROISM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ELECTROPHORESIS, STARCH GEL/ FLUORESCENCE SPECTROMETRY/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HUMAN/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, FAB/ MACACA/ MONKEYS/ PRECIPITIN TESTS/ RABBITS, immunology/ SPECIES SPECIFICITY/ THYROXINE-BINDING PROTEIN/ THYROXINE-BINDING PROTEIN, analysis/ *VITAMIN A

3827. Vainsel M: Tubular reabsorption of phosphate in normal children and in children with rickets.
Rev Eur Etud Clin Biol 17:656-62, Aug-Sep 72
AGE FACTORS/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CHILD, PRESCHOOL/ FASTING/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPOCALCEMIA, complications/ INFANT/ *KIDNEY TUBULES, physiopathology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ PHOSPHORUS, blood/ RICKETS, complications/ *RICKETS, physiopathology

3828. Vaishnava S, Rizvi SN, Bhargava SK: Hypoparathyroidism with some unusual features in an Indian child (case report).
J Assoc Physicians India 20:795-8, Oct 72
*BONE DISEASES, etiology/ BONE DISEASES, radiography/ CHILD/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, radiography/ INDIA

3829. Vaishnava S, Sagreya K, Bhattacharjee I, et al: Response to treatment with short term corticosteroids in nephrotic syndrome in children.
Indian Pediatr 9:387-90, Jul 72
CHILD/ CHILD, PRESCHOOL/ HUMAN/ *NEPHROTIC SYNDROME, drug therapy/ *PREDNISOLONE, therapeutic use/ PROSPECTIVE STUDIES/ PROTEINURIA, drug therapy/ RECURRENCE

3830. Vaisrub S: Hyporeninemic hypertension.
JAMA 223:190, 8 Jan 73
ALDOSTERONE, blood/ DIET, SALT-FREE/ HUMAN/ *HYPERTENSION, etiology/ HYPERTENSION, therapy/ *RENIN, blood

3831. Vaisrub S: Secondary hypertension due to primary hypereninism. JAMA 223:189-90, 8 Jan 73
HUMAN/ *HYPERTENSION, etiology/ HYPERTENSION, RENAL, etiology/ JUXTAGLOMERULAR APPARATUS/ KIDNEY NEOPLASMS, complications/ MALE/ *RENIN, blood

3832. Valcavi U, Innocenti S: Sintesi di acidi norcolanici ed ezianici.
Farmaco [Sci] 27:955-61, Nov 72 (Ita)
*ANDROSTANES, chem synthesis/ CARBOXYLIC ACIDS, chem synthesis/ ENGLISH ABSTRACT/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ *PREGNANES, chem synthesis/ SPECTROPHOTOMETRY, INFRARED

3833. Valcavi U, Innocenti S, Corsi B, et al: Sintesi del 6 -metil- e del 16 -metildesossicorticosterone.
Farmaco [Sci] 27:962-70, Nov 72 (Ita)
ACETYLATION/ CHEMISTRY, PHARMACEUTICAL/ *DESOXYCORTICOSTERONE, chem synthesis/ ENGLISH ABSTRACT/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET

3834. Vale W, Brazeau P, Grant G, et al: Premières observations sur le mode d'action de la somatostatine, un facteur hypothalamique qui inhibe la sécrétion de l'hormone de croissance.
C R Acad Sci [D] (Paris) 275:2913-6, 18 Dec 72 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES/ CARBON ISOTOPES/ CELLS, CULTURED/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HYPOTHALAMUS/ IN VITRO/ LEUCINE/ *PITUITARY HORMONE RELEASING FACTORS/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN/ SOMATOTROPIN, biosynthesis/ THEOPHYLLINE, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics/ TISSUE CULTURE/ TRITIUM

3835. Vălkova G: Genetic studies upon patients treated with isotopes. Folia Med (Plovdiv) 14:153-62, 1972
ADULT/ AGED/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ *IODINE ISOTOPES, adverse effects/ MIDDLE AGE/ *PHOSPHORUS ISOTOPES, adverse effects/ POLYCYTHEMIA VERA, radiotherapy/ THYROID NEOPLASMS, radiotherapy

3836. Valueva TK, Chebotar'ov VF, Antonenko OV: Tsytomorfolohichni doslidzhennia limfoïdnoï tkanyny u adrenalektomovanykh mors'kykh svynok pry induktsiï hiperchutlyvosti upovil'nenoho typu I

dodatkovmu antyhennomu vplyvi.
Fiziol Zh 19:92-8, 1973 (Ukr)
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIGENS/ ENGLISH ABSTRACT/ ERYTHROCYTES, immunology/ FREUND'S ADJUVANT/ GUINEA PIGS/ *HYPERSENSITIVITY, DELAYED/ *LYMPH NODES, immunology/ PLASMA CELLS/ SHEEP, immunology

3837. Van Campenhont J, Antaki A, Rasio E: Diabetes mellitus and thyroid autoimmunity in gonadal dysgenesis. Fertil Steril 24:1-9, Jan 73
ADOLESCENCE/ ADRENAL GLANDS/ ADULT/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, complications/ *DIABETES MELLITUS, complications/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, blood/ PITUITARY GLAND FUNCTION TESTS/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, complications/ THYROID DISEASES, immunology/ *THYROID GLAND, immunology/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TOLBUTAMIDE, diagnostic use/ TRIIODOTHYRONINE, blood/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, immunology

3838. Vandelplassche M, Spincemaille J, Bouters R, et al: Some aspects of equine obstetrics.
Equine Vet J 4:105-9, Jul 72 (12 ref.)
ANIMAL EXPERIMENTS/ CESAREAN SECTION, veterinary/ DELIVERY, veterinary/ EMBRYOTOMY, veterinary/ FEMALE/ *HORSE DISEASES/ HORSE DISEASES, surgery/ HORSE DISEASES, therapy/ LABOR COMPLICATIONS, surgery/ LABOR COMPLICATIONS, therapy/ *LABOR COMPLICATIONS, veterinary/ PLACENTA DISORDERS, therapy/ PLACENTA DISORDERS, veterinary/ PREGNANCY/ PREGNANCY COMPLICATIONS, surgery/ PREGNANCY COMPLICATIONS, therapy/ PREGNANCY COMPLICATIONS, veterinary/ REVIEW/ TORSION/ UTERINE DISEASES, surgery/ UTERINE DISEASES, therapy/ UTERINE DISEASES, veterinary

3839. Vandenberg SG: Possible hereditary factors in minimal brain dysfunction.
Ann NY Acad Sci 205:223-30, 28 Feb 73 (29 ref.)
BIRTH INJURIES, complications/ CEREBRAL PALSY, familial & genetic/ CHILD/ CHILD DEVELOPMENT DEVIATIONS, familial & genetic/ DYSLEXIA, familial & genetic/ FEMALE/ HUMAN/ LATERALITY/ LEARNING/ *LEARNING DISORDERS, etiology/ MALE/ *MENTAL RETARDATION, etiology/ *MINIMAL BRAIN DYSFUNCTION, familial & genetic/ PHENYLKETONURIA, complications/ PHENYLKETONURIA, familial & genetic/ REVIEW/ SEX CHROMOSOMES/ STRESS/ STUTTERING, familial & genetic

3840. Vanderhoek JY, Lands WE: Acetylenic inhibitors of sheep vesicular gland oxygenase.
Biochim Biophys Acta 296:374-81, 14 Feb 73
ARACHIDONIC ACID/ BINDING SITES/ ENZYME ACTIVATION/ ESTERS, analysis/ *FATTY ACIDS, UNSATURATED/ FATTY ACIDS, UNSATURATED, analysis/ GLUTATHIONE/ KINETICS/ MALE/ OXIDATION-REDUCTION/ OXYGEN/ OXYGEN CONSUMPTION/ *OXYGENASES, antagonists & inhibitors/ OZONE/ PEROXIDASES/ PEROXIDES/ PHENOLS/ PROSTAGLANDINS, biosynthesis/ *SEMINAL VESICLES, enzymology/ SHEEP/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOCARBAMATES/ TIME FACTORS

3841. Vanderschueren-Lodeweyckx, Staf B, Van den Berghe H, et al: Growth hormone and lymphocyte transformation. Lancet 1:441, 24 Feb 73
DWARFISM, PITUITARY, immunology/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug effects/ *SOMATOTROPIN, pharmacodynamics

3842. Van der Stricht J, Goldstein M, Flamand JP, et al: Evolution and prognosis of thromboangeitis obliterans.
J Cardiovasc Surg (Torino) 14:9-16, Jan-Feb 73
ADRENALECTOMY/ ADULT/ FOOT, blood supply/ HAND, blood supply/ HUMAN/ MALE/ PROGNOSIS/ SMOKING/ SYMPATHECTOMY/ *THROMBOANGIITIS OBLITERANS, diagnosis/ THROMBOANGIITIS OBLITERANS, radiography/ THROMBOANGIITIS OBLITERANS, therapy/ TIME FACTORS

3843. Vandongen R, Peart WS, Boyd GW: Andrenergic stimulation of renin secretion in the isolated perfused rat kidney. Circ Res 32:290-6, Feb 73
ANIMAL EXPERIMENTS/ CONSTRICTION/ *GLUCAGON, pharmacodynamics/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ *KIDNEY, secretion/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PHENOXYBENZAMINE, pharmacodynamics/ PRESSURE/ RATS/ RECEPTORS, DRUG/ *RENIN, secretion/ SECRETORY RATE/ STIMULATION, CHEMICAL

3844. Van Kerkhove E, Busselen P, Carmeliet E: Mouvements et distribution de calcium dans le muscle cardiaque de poisson en fonction du sodium et calcium extracellulaire.
J Physiol (Paris) 65:Suppl:311A-312, Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *CYPRINIDAE/ EXTRACELLULAR SPACE, metabolism/ *MYOCARDIUM, metabolism/ *SODIUM, metabolism

3845. Vánkos J: Kísérletek és klinikai megfigyelések Ftorocort kenöccsel.
Orv Hetil 113:2952-4, 3 Dec 72 (Hun)
CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ *SKIN DISEASES, drug therapy/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3846. Van Pelt RW: Idiopathic tarsitis in postparturient dairy cows: clinicopathologic findings and treatment.
J Am Vet Med Assoc 162:284-90, 15 Feb 73
ANIMAL EXPERIMENTS/ ARTHRITIS, drug therapy/ ARTHRITIS, etiology/ ARTHRITIS, pathology/ *ARTHRITIS, veterinary/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, drug therapy/ CATTLE DISEASES, pathology/ ESCHERICHIA COLI, isolation & purification/ FEMALE/ FLUPREDNISOLONE, therapeutic use/ HINDLIMB/ HYDROXYPROGESTERONE, therapeutic use/ MICROCOCCUS, isolation & purification/ PREGNANCY/ *PUERPERAL DISORDERS, veterinary/ SYNOVIAL FLUID, analysis/ SYNOVIAL FLUID, cytology/ SYNOVIAL FLUID, enzymology/ SYNOVIAL FLUID, microbiology/ *TARSAL JOINT/ UTERINE DISEASES, veterinary

3847. Van Tienhoven A, Schally AV: Mammalian luteinizing hormone-releasing hormone induces ovulation in the domestic fowl. Gen Comp Endocrinol 19:594-5, Dec 72
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ FEMALE/ *LH, physiology/ *OVULATION/ *PITUITARY HORMONE RELEASING FACTORS, physiology

3848. Varavudhi P, Chobdieng P: Biological evidence for the direct stimulating effect of PGF2 alpha on the release of pituitary luteolytic agent(s) of pseudopregnant rats. Prostaglandins 2:199-205, Sep 72
ANIMAL EXPERIMENTS/ BRAIN STEM, drug effects/ CERVIX UTERI/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ELECTRIC STIMULATION/ FEMALE/ HYSTERECTOMY/ LEUKOCYTE COUNT/ LH, secretion/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ PSEUDOPREGNANCY, drug effects/ RATS/ SPECIAL LIST

REPRODUCTION/ TIME FACTORS/ VAGINAL SMEARS

3849. **Varkarakis MJ, Bhanalaph T, Murphy GP:** Kidney involvement in neuroblastoma.
NY State J Med 72:2753-6, 15 Nov 72
ABDOMINAL NEOPLASMS, complications/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ *BLADDER DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *KIDNEY DISEASES, etiology/ MALE/ *NEUROBLASTOMA, complications/ PROGNOSIS/ THORACIC NEOPLASMS, complications/ UROGRAPHY

3850. **Vasil'ev IuM:** Kharakter i mekhanizmy izmenenii kletok pri opukholevoi évoliutsii.
Arkh Patol 35:3-13, 1973 (79 ref.) **(Rus)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CELL ADHESION/ CELL DIFFERENTIATION/ CELL MEMBRANE, metabolism/ *CELL TRANSFORMATION, NEOPLASTIC/ CHROMOSOMES/ DNA, biosynthesis/ DNA VIRUSES/ FEMALE/ FIBROBLASTS/ L CELLS/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MOUSE LEUKEMIA VIRUSES/ MUTATION/ NEOPLASM REGRESSION, SPONTANEOUS/ PRECANCEROUS CONDITIONS/ RECEPTORS, NEURAL/ REVIEW/ RNA VIRUSES/ SURFACE PROPERTIES/ TISSUE CULTURE

3851. **Vass L, Sellyei M:** The missing Y chromosome and human leukaemia. Lancet 1:550-1, 10 Mar 73
AGED/ *CHROMOSOME ABERRATIONS/ HUMAN/ *LEUKEMIA, familial & genetic/ MALE/ MICROSCOPY, FLUORESCENCE/ MIDDLE AGE/ SEX CHROMATIN, analysis/ *SEX CHROMOSOMES/ SEX FACTORS

3852. **Vassart G, Dumont JE:** Identification of polysomes synthesizing thyroglobulin.
Eur J Biochem 32:322-30, 15 Jan 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBON ISOTOPES/ CELL FRACTIONATION/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ DACTINOMYCIN, pharmacodynamics/ GUINEA PIGS, immunology/ HORSES/ LEUCINE, metabolism/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, cytology/ *THYROID GLAND, metabolism/ TRITIUM/ URIDINE, metabolism

3853. **Vassiliadis P, Papadakis J, Trichopoulos D:** Comportement de "S. gallinarum-pullorum" dans les milieux d'enrichissement et dans les milieux sélectifs pour "Salmonella".
Ann Inst Pasteur (Paris) 123:231-8, Aug 72 **(Fre)**
AGAR, metabolism/ AMMONIUM COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ BACTERIOLOGICAL TECHNICS/ CALCIUM, metabolism/ CELL DIFFERENTIATION/ CELL DIVISION/ CHICKENS/ CITRATES, metabolism/ *CULTURE MEDIA/ DEOXYCHOLIC ACID, metabolism/ ENGLISH ABSTRACT/ *SALMONELLA, growth & development/ SALMONELLA, metabolism/ SELECTION (GENETICS)/ TEMPERATURE/ THIOSULFATES, metabolism

3854. **Vastesaeger M, Fischer G, Page W:** La glycéridémie en clinique et en épidémiologie humaines. 3. La glycéridémie dans divers états pathologiques.
Brux Med 52:779-89 contd, Nov 72 **(Fre)**
ADOLESCENCE/ ADULT/ ALCOHOLISM, blood/ ARTERIOSCLEROSIS, blood/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIABETES MELLITUS, blood/ ENDOCRINE DISEASES, blood/ FEMALE/ *GLYCERIDES, blood/ HUMAN/ HYPERLIPEMIA, ESSENTIAL FAMILIAL, blood/ MALE/ MIDDLE AGE/ OBESITY, blood/ OBESITY IN DIABETES, blood/ PANCREATITIS, blood/ SOMATOTROPIN, metabolism

3855. **Vaughan ED Jr, Gillenwater JY:** Diagnosis, characterization and management of post-obstructive diuresis. J Urol 109:286-92, Feb 73
AGED/ CREATININE, urine/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DIURESIS/ EDEMA, etiology/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ HYPERTENSION, etiology/ INFUSIONS, PARENTERAL/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ PROSTATIC HYPERTROPHY, complications/ PROSTATIC NEOPLASMS, complications/ PROSTATITIS, complications/ SODIUM, urine/ TIME FACTORS/ UREA, urine/ URINARY CATHETERIZATION/ *URINATION DISORDERS, therapy/ VASOPRESSIN, pharmacodynamics/ WATER-ELECTROLYTE BALANCE

3856. **Vaysse J, Nussaume O, Lacombe M, et al:** Chirurgie palliative en un temps de l'hypertension artérielle essentielle (technique actuelle de la splanchni-sympathico-surrénalectomie bilatérale par voie abdominale médiane.
J Chir (Paris) 103:451-64, May-Jun 72 **(Fre)**
*ADRENALECTOMY/ ANESTHESIA/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, surgery/ METHODS/ PALLIATIVE TREATMENT/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ *SPLANCHNIC NERVES, surgery/ *SYMPATHECTOMY

3857. **Vazquez AM:** Nephrocalcinosis and hypertension in juvenile primary hyperparathyroidism.
Am J Dis Child 125:104-6, Jan 73
ADENOMA, complications/ ADENOMA, pathology/ ADENOMA, surgery/ BIOPSY/ CALCIUM, blood/ CALCIUM, urine/ CHILD/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ KIDNEY, pathology/ MALE/ *NEPHROCALCINOSIS, etiology/ NEPHROCALCINOSIS, pathology/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery/ PHOSPHATES, urine/ RESERPINE, therapeutic use

3858. **Vazquez AM, Kenny FM:** Ovarian failure and antiovarian antibodies in association with hypoparathyroidism, moniliasis, and Addison's and Hashimoto's diseases. Obstet Gynecol 41:414-8, Mar 73
*ADDISON'S DISEASE, immunology/ ADOLESCENCE/ ADULT/ *ANTI-ANTIBODIES, analysis/ AUTOIMMUNE DISEASES, familial & genetic/ *AUTOIMMUNE DISEASES, immunology/ DIABETES MELLITUS, immunology/ FEMALE/ FSH, blood/ GASTRITIS, immunology/ HUMAN/ HYPOPARATHYROIDISM, familial & genetic/ *HYPOPARATHYROIDISM, immunology/ HYPOPITUITARISM, complications/ INTRINSIC FACTOR/ LH, blood/ MONILIASIS, familial & genetic/ *MONILIASIS, immunology/ MYXEDEMA, complications/ OVARIAN DISEASES, familial & genetic/ *OVARIAN DISEASES, immunology/ SYNDROME/ *THYROIDITIS, LYMPHOMATOUS, immunology

3859. **Veilleux H, Fortin Z:** Effets gonadiques et extragonadiques, chez l'humain, de 3500 U.I. de HCG (gonadotrophine chorionique humaine) en doses fractionnées. Vie Med Can Fr 1:862-71, Sep 72 **(Fre)**
ADOLESCENCE/ ADULT/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *HYPOGONADISM, drug therapy/ MALE/ METHODS/ *OBESITY, drug therapy

3860. **Vekemans M, Delvoye P, L'Hermite M, et al:** Evolution des taux sériques de prolactine au cours du cycle menstruel.
C R Acad Sci [D] (Paris) 275:2247-50, 13 Nov 72 **(Fre)**
ADOLESCENCE/ ADULT/ ESTROGENS,

metabolism/ FEMALE/ GEL FILTRATION/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IODINE ISOTOPES/ LH, blood/ *MENSTRUATION/ METHODS/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ SHEEP/ SPECTRUM ANALYSIS/ TIME FACTORS

3861. **Velasco EG, Brasel JA, Sigulem DM, et al:** Effects of vascular insufficiency on placental ribonuclease activity in the rat. J Nutr 103:213-7, Feb 73
ANIMAL EXPERIMENTS/ *ARTERIES/ DNA, metabolism/ FEMALE/ GESTATIONAL AGE/ LIGATION/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ *PLACENTA, enzymology/ PLACENTA, metabolism/ PREGNANCY/ PROTEINS, metabolism/ RATS/ *RIBONUCLEASE, metabolism/ RNA, metabolism/ TIME FACTORS/ UTERINE DISEASES, enzymology/ UTERINE DISEASES, metabolism/ *UTERUS, blood supply/ UTERUS, growth & development/ *VASCULAR DISEASES, enzymology/ VASCULAR DISEASES, metabolism

3862. **Veleanu C, Bârzu S:** A simple and effective technique for haversian canals injection.
Folia Morphol (Praha) 21:27-30, 1973
*BONE AND BONES/ *HISTOLOGICAL TECHNICS/ HUMAN/ INJECTIONS/ METHODS/ NEEDLES

3863. **Vellano C, Mazzi V, Lodi G:** Identification by immunofluorescence of prolactin-producing cells in the hypophysis of the newt, Triturus cristatus carnifex Laur. Gen Comp Endocrinol 20:177-82, Feb 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ *PROLACTIN, secretion/ RABBITS, immunology/ *SALAMANDERS, anatomy & histology

3864. **Venkatacharya K:** Demographic effects of variations in post-partum amenorrhea and fetal wastage on fertility. Indian J Public Health 16:39-46, Apr 72
ABORTION/ ADOLESCENCE/ ADULT/ *AMENORRHEA/ *BIRTH RATE/ FEMALE/ *FERTILITY/ *FETAL DEATH/ HUMAN/ LACTATION/ MODELS, BIOLOGICAL/ PREGNANCY

3865. **Verchère M, Santoro JP:** Histochimie des protéines au cours de l'amélogenèse et de la dentinogenèse. I. Le tryptophane.
Rev Fr Odontostomatol 19:281-90, Jul-Aug 72 **(Fre)**
*AMELOGENESIS/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CALCIFICATION, PHYSIOLOGIC/ CATS/ COLLAGEN, analysis/ *DENTAL ENAMEL, analysis/ *DENTIN, analysis/ *DENTINOGENESIS/ HISTOCYTOCHEMISTRY/ KERATIN, analysis/ METHODS/ STAINS AND STAINING/ TOOTH GERM, analysis/ *TRYPTOPHAN, analysis

3866. **Vesselinovitch SD, Itze L, Mihailovich N, et al:** Role of hormonal environment, partial hepatectomy, and dose of ethylnitrosourea in renal carcinogenesis.
Cancer Res 33:339-41, Feb 73
ANIMAL EXPERIMENTS/ *CARCINOGENS, administration & dosage/ CASTRATION/ *CYSTADENOMA, PAPILLARY, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEPATECTOMY/ *KIDNEY NEOPLASMS, chemically induced/ LIVER, physiology/ MALE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NITROSOUREA COMPOUNDS/ OVARY, physiology

3867. **Vlazitskiĭ PO, Sergeev AI:** Sostoianie serdechno-sosudistoĭ sistemy u bol'nykh akromegalieĭ.
Probl Endokrinol (Mosk) 18:31-4, Jul-Aug 72 **(Rus)**
ACROMEGALY, complications/ ACROMEGALY, physiopathology/ ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ *CARDIOVASCULAR SYSTEM, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HEART, physiopathology/ HEART FUNCTION TESTS/ HEART VENTRICLE, physiopathology/ HEMODYNAMICS/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLE CONTRACTION/ MYOCARDIAL DISEASES, SECONDARY, etiology/ PULSE/ TIME FACTORS/ VASCULAR RESISTANCE

3868. **Vidal N, Roos J, Aron C:** Données nouvelles sur les mécanismes mis en jeu dans l'acceptation précoce provoquée par les oestrogènes chez la ratte au cours de cycles de 4 jours.
C R Soc Biol (Paris) 166:683-6, 1972 **(Fre)**
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CASTRATION/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ OVARY/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS

3869. **Vidal NA, Fernández BE, Domínguez AE, et al:** Catecholamines in various areas of the central nervous system in normal and hypertensive rats.
Arch Int Physiol Biochim 80:661-7, Oct 72
ANIMAL EXPERIMENTS/ AORTA, metabolism/ BLOOD PRESSURE DETERMINATION/ BODY WEIGHT/ BRAIN, anatomy & histology/ BRAIN, metabolism/ CATECHOLAMINES, urine/ *CENTRAL NERVOUS SYSTEM, metabolism/ CEREBELLUM, metabolism/ CHRONIC DISEASE/ *EPINEPHRINE, metabolism/ HEART VENTRICLE/ *HYPERTENSION, RENAL, metabolism/ HYPOTHALAMUS, metabolism/ KIDNEY, physiology/ LIGATION/ MALE/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, biosynthesis/ *NOREPINEPHRINE, metabolism/ OCCIPITAL LOBE, metabolism/ ORGAN WEIGHT/ RATS

3870. **Vieira Filho JP, Tatit ED, Baruzzi RG:** O poder de ligação da triiodotrionina radioativa entre índios do Alto Xingu.
Rev Assoc Med Bras 18:471-4, Dec 72 **(Por)**
BRAZIL/ ENGLISH ABSTRACT/ GEL FILTRATION/ HUMAN/ *HYPERTHYROIDISM, blood/ INDIANS, SOUTH AMERICAN/ MALE/ PROTEIN BINDING/ *TRIIODOTHYRONINE, blood

3871. **Vigaš M, Németh S, Kvetňanský R:** Lack of effects of adrenergic blockade, adrenal medullectomy and medullectomy combined with reserpine treatment on the metabolic response to injury.
Eur Surg Res 5:58-63, 1973
*ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, physiology/ ERGOTAMINE, pharmacodynamics/ GLYCOGENOSIS/ LACTATES, blood/ LIVER GLYCOGEN, metabolism/ MALE/ MUSCLES, metabolism/ PROPRANOLOL, pharmacodynamics/ PYRUVATES, blood/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *RESERPINE, pharmacodynamics/ WOUNDS AND INJURIES, blood/ *WOUNDS AND INJURIES, metabolism

3872. **Vigneri R, Papalia D, Pezzino V, et al:** Triiodothyronine and thyrotropin-releasing hormone interaction on TSH release in man. Hormones 3:250-6, 1972
ADOLESCENCE/ ADULT/ AGED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ THYROID HORMONES, administration & dosage/ THYROID HORMONES, pharmacodynamics/ *THYROTROPIN, metabolism/ *THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS/ *TRIIODOTHYRONINE, pharmacodynamics

3873. **Vignos PJ Jr, Greene R:** Oxidative respiration of skeletal muscle in experimental corticosteroid myopathy. J Lab Clin Med 81:365-78, Mar 73
ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ GLUTAMATES,

metabolism/ HYDROXYBUTYRATES, metabolism/ KETOGLUTARIC ACID, metabolism/ LIPOAMIDE DEHYDROGENASE, analysis/ MALE/ MITOCHONDRIA, metabolism/ *MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, enzymology/ MUSCULAR DISEASES, chemically induced/ *MUSCULAR DISEASES, metabolism/ *OXIDATIVE PHOSPHORYLATION/ RABBITS/ SUCCINATE DEHYDROGENASE, analysis/ TRIAMCINOLONE

3874. **Vilan J, Rhyner K, Ganzoni AM:** Pure red cell aplasia: successful treatment with cyclophosphamide.
Blut 26:27-34, Jan 73
*ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, immunology/ ANTIBODIES/ ANTINUCLEAR FACTORS/ BIOLOGICAL ASSAY/ *CYCLOPHOSPHAMIDE, therapeutic use/ ERYTHROCYTES, immunology/ ERYTHROPOIETIN, urine/ FEMALE/ HUMAN/ MALE/ MICE/ MIDDLE AGE/ MUSCLE, SMOOTH, immunology/ PREDNISONE, therapeutic use

3875. **Vilček E:** Familiárny výskyt malígnych nádorov testis.
Bratisl Lek Listy 59:199-202, Feb 73 (Slo)
ADULT/ CHILD, PRESCHOOL/ *DISGERMINOMA, familial & genetic/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *TERATOID TUMOR, familial & genetic/ *TESTICULAR NEOPLASMS, familial & genetic

3876. **Villanueva A, Nuñez RV, Baltar L, et al:** Arterial hypertension and extrinsic renal artery compression: case report.
J Cardiovasc Surg (Torino) 13:617-9, Nov-Dec 72
*ADRENAL GLANDS, abnormalities/ CASE REPORT/ *CHORISTOMA, complications/ CHORISTOMA, pathology/ CHORISTOMA, surgery/ HUMAN/ *HYPERTENSION, RENAL, etiology/ MALE/ MIDDLE AGE/ *RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY OBSTRUCTION, surgery

3877. **Villela GG, Calcagnotto AM:** Effect of betamethasone on the guanine deaminase of the brain.
Rev Bras Biol 32:249-50, Aug 72
*AMINOHYDROLASES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *BETAMETHASONE, pharmacodynamics/ *BRAIN, enzymology/ MICE/ RATS

3878. **Vincent M:** Température et récupération du calcium de la carapace après la mue chez Echinogammarus berilloni. Comparaison avec Gammarus pulex pulex.
C R Soc Biol (Paris) 166:668-70, 1972 (Fre)
ALTITUDE/ ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ *CALCIUM, metabolism/ *CRUSTACEA, metabolism/ ECOLOGY/ *TEMPERATURE/ TIME FACTORS

3879. **Vincent M, Geyssant A, Sassard J:** La détermination radioimmunochimique directe de l'activité rénine du plasma.
C R Soc Biol (Paris) 166:643-8, 1972 (Fre)
ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY/ DIMERCAPROL, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

3880. **Vinik AI, Kaplan SL, Grumbach MM:** Purification, characterization and comparison of immunological properties of monkey chorionic somatomammotropin with human and monkey growth hormone, human chorionic somatomammotropin and ovine prolactin.
Endocrinology 92:1051-64, Apr 73
AMMONIUM SULFATE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GUINEA PIGS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ MONKEYS/ *PLACENTAL LACTOGEN, isolation & purification/ PRECIPITATION/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ SOMATOTROPIN

3881. **Vinnik LF:** Sheĭny stranguliatsionnyĭ sindrom posle operatsiĭ na shchitovidnoĭ zheleze.
Vestn Khir 108:53-7, Jul 72 (Rus)
ADHESIONS/ ADULT/ AGED/ CICATRIX/ COUGH/ DEGLUTITION/ ENGLISH ABSTRACT/ *ESOPHAGEAL STENOSIS, etiology/ ESOPHAGEAL STENOSIS, physiopathology/ ESOPHAGUS, physiopathology/ FEMALE/ GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, surgery/ HUMAN/ LARYNX, physiopathology/ MIDDLE AGE/ PAIN/ *POSTOPERATIVE COMPLICATIONS/ RESPIRATION/ SYNDROME/ *THYROIDECTOMY/ TRACHEA, physiopathology/ *TRACHEAL STENOSIS, etiology/ TRACHEAL STENOSIS, physiopathology/ VOICE

3882. **Vinokurov IN, Vedrova IN, Kulagin VI:** Primenenie oksizona i geoksizona v terapii nekotorykh dermatozov.
Vestn Dermatol Venerol 46:86-7, Oct 72 (Rus)
CLINICAL RESEARCH/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ *OXYTETRACYCLINE, therapeutic use/ *SKIN DISEASES, drug therapy/ *VITAMIN E, therapeutic use

3883. **Viola MV, Kovi J, Nukhopadhyay M:** Reversal of myelofibrosis in Hodgkin disease.
JAMA 223:1145-6, 5 Mar 73
ADULT/ ANEMIA, APLASTIC, diagnosis/ BIOPSY, NEEDLE/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ MYELOFIBROSIS, complications/ MYELOFIBROSIS, diagnosis/ *MYELOFIBROSIS, drug therapy/ PREDNISONE, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PROCARBAZINE, therapeutic use/ REMISSION/ SULFATES, therapeutic use/ VINCRISTINE, therapeutic use

3884. **Virkkunen P, Leppäluoto J, Lybeck H:** The distribution and elimination of 125 I-labelled thyrotropin-releasing hormone in the mouse.
Horm Metab Res 4:506-7, Nov 72
ANIMAL EXPERIMENTS/ BILE, analysis/ DUODENUM, analysis/ ELECTROPHORESIS, PAPER/ IODINE ISOTOPES/ KIDNEY, analysis/ LIVER, analysis/ MICE/ MUSCLES, analysis/ PITUITARY GLAND, analysis/ THYROTROPIN RELEASING FACTOR, analysis/ THYROTROPIN RELEASING FACTOR, blood/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROTROPIN RELEASING FACTOR, urine/ TIME FACTORS

3885. **Viru AA, Kyrge PK, Viru EA:** Vzaimootnoshenila mezhdu gliukokortikoidnoĭ aktivnost'iu nadpochechnikov, serdechno-sosudistoĭ sistemoĭ i élektrolitnym obmenom pri dlitel'noĭ rabote.
Fiziol Zh SSSR 59:105-10, Jan 73 (Rus)
*ADRENAL GLANDS, metabolism/ ADULT/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ *EXERTION/ *HEMODYNAMICS/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ 17-HYDROXYCORTICOSTEROIDS, urine/ NATRIURESIS/ POTASSIUM, blood/ POTASSIUM, metabolism/ POTASSIUM, urine/ SALIVA, metabolism/ SODIUM, blood/ SODIUM, metabolism/ SWEAT, metabolism/ *WATER-ELECTROLYTE BALANCE

3886. **Vitko RJ, Cass AS, Winter RB:** Anomalies of the genitourinary tract associated with congenital scoliosis and congenital kyphosis.
J Urol 108:655-9, Oct 72
BLADDER, NEUROGENIC, complications/

CHILD/ CHILD, PRESCHOOL/ CYSTOSCOPY/ FEMALE/ HUMAN/ HYDRONEPHROSIS, complications/ HYPOSPADIAS, complications/ IODINE ISOTOPES/ KIDNEY, abnormalities/ KYPHOSIS, complications/ *KYPHOSIS, congenital/ MALE/ PENIS, abnormalities/ RADIOISOTOPE RENOGRAPHY/ SCOLIOSIS, complications/ *SCOLIOSIS, congenital/ SPINE, abnormalities/ SPINE, embryology/ TESTIS, abnormalities/ URETER, abnormalities/ *UROGENITAL SYSTEM, abnormalities/ UROGENITAL SYSTEM, embryology/ UROGRAPHY/ UTERUS, abnormalities/ VAGINA, abnormalities

3887. **Vittori F, Bourgeois J:** Une observation de syndrome de Rud. Une variété rare d'érytbrodermie icbtyosiforme congénitale non bulleuse (E.I.C.
Nouv Presse Med 2:223-4, 27 Jan 73 **(Fre)**
*AUTOSOME ABNORMALITIES/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *EPILEPSY, familial & genetic/ HUMAN/ *ICHTHYOSIS, congenital/ ICHTHYOSIS, diagnosis/ ICHTHYOSIS, pathology/ INFANT, NEWBORN/ *INFANTILISM, familial & genetic/ MALE/ *MENTAL RETARDATION, familial & genetic/ OTORHINOLARYNGOLOGIC DISEASES/ SKIN, pathology

3888. **Vlase L, Restian A, Răduţ M, et al:** Diagnosticul endocrinopatiilor cu ajutorul calculatorului electronic.
Stud Cercet Endocrinol 24:69-83, 1973 **(Rum)**
ADOLESCENCE/ ADULT/ *DIAGNOSIS, COMPUTER ASSISTED/ *ENDOCRINE DISEASES, diagnosis/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

3889. **Vogel HG:** Mechanische Eigenschaften der Haut.
Arcb Dermatol Forsch 244:130-4, 1972 **(Ger)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, pharmacodynamics/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CHILD/ COLLAGEN/ *ELASTICITY/ ESTRADIOL, pharmacodynamics/ HUMAN/ PREDNISOLONE, pharmacodynamics/ PRESSURE/ RATS/ RHEOLOGY/ SKIN, drug effects/ *SKIN, pbysiology/ SKIN TESTS/ TESTOSTERONE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

3890. **Vogler G:** Sterilitätsursacben und Behandlungserfolg bei über tausend nicbtaufnehmenden Rindern.
Wien Tieraerztl Monatsscbr 60:16-21, 1973 **(Ger)**
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, drug tberapy/ CATTLE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, tberapeutic use/ STERILITY, drug therapy/ STERILITY, etiology/ *STERILITY, veterinary

3891. **Vogt HJ:** Behandlung des Exhibitionismus.
Med Klin 68:129, 26 Jan 73 **(Ger)**
CYPROTERONE, therapeutic use/ HUMAN/ MALE/ PSYCHOTHERAPY/ SEX DEVIATION, drug tberapy/ *SEX DEVIATION, therapy/ TIME FACTORS

3892. **Voigt W, Hsia SL:** The antiandrogenic action of 4-androsten-3-one-17 beta-carboxylic acid and its methyl ester on hamster flank organ.
Endocrinology 92:1216-22, Apr 73
ABDOMEN/ ANDROSTENES, administration & dosage/ *ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXYLIC ACIDS, administration & dosage/ *CARBOXYLIC ACIDS, pharmacodynamics/ ESTERS/ FEMALE/ MALE/ PIGMENTATION/ RATS/ *SEBACEOUS GLANDS, drug effects/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

3893. **Voloschin LM, Tramezzani JH:** Tbe neural input of tbe milk ejection reflex in tbe hypothalamus.
Endocrinology 92:973-83, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ *HYPOTHALAMUS, innervation/ *LACTATION/ *NEURONS, physiology/ NEURONS, AFFERENT, pbysiology/ RATS/ *REFLEX/ STEREOTAXIC TECHNICS

3894. **Vonderhaar BK, Owens IS, Topper YJ:** An early effect of prolactin on tbe formation of -lactalbumin by mouse mammary epitbelial cells.
J Biol Cbem 248:467-71, 25 Jan 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASEIN, biosynthesis/ CELL COUNT/ DACTINOMYCIN, pharmacodynamics/ DNA, metabolism/ EPITHELIAL CELLS, drug effects/ EPITHELIAL CELLS, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ GALACTOSE/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ *LACTALBUMIN, biosyntbesis/ LACTOSE SYNTHETASE, biosyntbesis/ MAMMAE, cytology/ MAMMAE, drug effects/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MICE/ *PROLACTIN, pharmacodynamics/ STEREOISOMERS/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

3895. **Von Euler US:** Pathophysiological aspects of catecholamine production.
Clin Chem 18:1445-8, Dec 72 (26 ref.)
ACCLIMATIZATION/ ADAPTATION, PHYSIOLOGICAL/ ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES/ CATECHOLAMINES, biosynthesis/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, physiology/ CHROMAFFIN SYSTEM, metabolism/ COLD/ DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ EXERTION/ HOMEOSTASIS/ HUMAN/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ PHENYLACETATES, metabolism/ POISONING, metabolism/ REVIEW/ STRESS, metabolism/ SYMPATHETIC NERVOUS SYSTEM, metabolism/ SYMPATHETIC NERVOUS SYSTEM, pbysiology/ VANILMANDELIC ACID, urine

3896. **Von Voigtlander PF, Moore KE:** Involvement of nigro-striatal neurons in the in vivo release of dopamine by amphetamine, amantadine and tyramine.
J Pharmacol Exp Ther 184:542-52, Mar 73
*AMANTADINE, pharmacodynamics/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATS/ CAUDATE NUCLEUS, analysis/ CAUDATE NUCLEUS, anatomy & histology/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DOPAMINE, analysis/ *DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ FEMALE/ MALE/ NEURONS, physiology/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ PERFUSION/ SEROTONIN, analysis/ *SUBSTANTIA NIGRA, physiology/ TRITIUM/ *TYRAMINE, pharmacodynamics

3897. **Voog R, Hadjian A, Nigri MM, et al:** Coma hyperosmolaire révélateur d'un diabète cbez un adulte porteur d'un syndrome d'Albrigbt type I.
Sem Hop Paris 48:3563-7, 26 Dec 72 **(Fre)**
ADULT/ CALCIUM, metabolism/ *DIABETIC COMA, complications/ FOOT, abnormalities/ FOOT, radiography/ HAND, abnormalities/ HAND, radiography/ HIP, abnormalities/ HIP, radiography/ HUMAN/ HYPEROSTOSIS, CORTICAL CONGENITAL/ MALE/ PHOSPHORUS, metabolism/ *PSEUDOPSEUDOHYPO- PARATHYROIDISM, complications/ PSEUDOPSEUDOHYPO-PARATHYROIDISM, radiography/ RIBS, abnormalities/ SKULL/ THYROID HORMONES, analysis

3898. **Vorontsev VI, Goncharov NP, Katsiia GV:** Metabolizm gliukokortikoidov u makakov rezusov.
Probl Endokrinol (Mosk) 18:69-73, Nov-Dec 72 **(Rus)**
AGE FACTORS/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, urine/ CORTISONE, urine/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, urine/ HYDROCORTISONE, urine/ *MACACA,

metaholism/ MONKEYS/ SEX FACTORS/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine

3899. **Vosberg H, Wagner H, Böckel K, et al:** Die "effective thyroxine ratio", ein vereinfachtes in vitro-Verfahren zur Abschätzung des Spiegels an freiem Thyroxin im Serum. Med Welt 23:1812-3, 25 Nov 72 (Ger)
HUMAN/ METHODS/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood

3900. **Voss H, Donner I, Plötze G, et al:** Zur Rolle des Substrats bei der Induktion der Tyrosin-alpha-Oxoglutarat-Transaminase in RLC-Zellen.
Hoppe Seylers Z Physiol Chem 353:1574, Oct 72 (Ger)
ANIMAL EXPERIMENTS/ CELL LINE/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ GLUTARATES/ LEUCINE/ LIVER, enzymology/ RATS/ *TYROSINE, pharmacodynamics/ *TYROSINE AMINOTRANSFERASE, biosynthesis

3901. **Voûte CL, Hänni S, Ammann E:** Aldosterone induced morphological changes in amphibian epithelia in vivo.
J Steroid Biochem 3:161-5, Feb 72
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BUFO MARINUS/ EPITHELIAL CELLS, cytology/ EPITHELIUM, drug effects/ FROGS/ HISTOCYTOCHEMISTRY/ IN VITRO/ MITOCHONDRIA, drug effects/ RANA TEMPORARIA/ *SKIN, drug effects/ SODIUM, metabolism

3902. **Vreven J, Lieberherr M, Vaes G:** The acid and alkaline phosphatases, inorganic pyrophosphatases and phosphoprotein phosphatase of bone. II. Distribution in subcellular fractions of bone tissue homogenates and structure-linked latency.
Biochim Biophys Acta 293:170-7, 12 Jan 73
*ACID PHOSPHATASE/ *ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ BONE AND BONES, cytology/ *BONE AND BONES, enzymology/ CELL FRACTIONATION/ *PHOSPHATASES/ PHOSPHOPROTEINS/ PROTEIN CONFORMATION/ *PYROPHOSPHATASES/ RATS/ SKULL, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBCELLULAR FRACTIONS, enzymology

3903. **Vullings HG:** Influence of light and darkness on the hypothalamo-hypophysial system of blinded and unilaterally blinded frogs (Rana temporaria).
Z Zellforsch Mikrosk Anat 136:355-64, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLINDNESS/ CELL NUCLEUS/ CYSTEINE/ *DARKNESS/ FROGS/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, physiology/ *LIGHT/ OPTIC NERVE/ RANA TEMPORARIA/ RETINA/ SULFUR ISOTOPES/ TIME FACTORS

3904. **Vuthibhagdee A, Singleton EB:** Infantile polycystic disease of the kidney.
Am J Dis Child 125:167-70, Feb 73
BLOOD UREA NITROGEN/ CHILD/ CITRATES, therapeutic use/ DIET, SALT-FREE/ DIETARY PROTEINS/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ INFANT/ INFANT, NEWBORN/ KIDNEY, pathology/ KIDNEY FUNCTION TESTS/ KIDNEY, SPONGE, complications/ *KIDNEY, SPONGE, congenital/ KIDNEY, SPONGE, drug therapy/ KIDNEY, SPONGE, pathology/ KIDNEY, SPONGE, radiography/ KIDNEY, SPONGE, therapy/ KIDNEY TUBULES, pathology/ MALE/ PROGNOSIS/ UROGRAPHY

W

3905. **Wada M:** [Otoneurological approach in the diagnosis of the lesions of the midbrain]
J Otolaryngol Jap 75:1239-55, Nov 72 (Jap)
ADOLESCENCE/ ADULT/ AUDIOMETRY/ *BRAIN NEOPLASMS, diagnosis/ CEREBRAL VENTRICLES/ *CEREBROVASCULAR DISORDERS, diagnosis/ CHILD/ EYE MOVEMENTS/ FEMALE/ HUMAN/ MALE/ *MESENCEPHALON/ MIDDLE AGE/ PINEAL BODY/ *VESTIBULAR FUNCTION TESTS

3906. **Wade GN, Feder HH:** Effects of several pregnane and pregnene steroids on estrous behavior in ovariectomized, estrogen-primed guinea pigs.
Physiol Behav 9:773-5, Nov-Dec 72
ANIMAL EXPERIMENTS/ BENZOATES/ BINDING SITES, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ CASTRATION/ CORTICOSTERONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ GUINEA PIGS/ HYDROXYPROGESTERONE, pharmacodynamics/ *PREGNANES, pharmacodynamics/ *PREGNENES, pharmacodynamics/ PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP

3907. **Wägar G, Ekholm R, Björkman U:** Action of thyrotrophin (TSH) on thyroid protein synthesis in vivo and in vitro.
Acta Endocrinol (Kbh) 72:453-63, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ DEPRESSION, CHEMICAL/ IN VITRO/ LEUCINE, metabolism/ MICROSOMES, metabolism/ *PROTEINS, biosynthesis/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ THYROTROPIN, physiology/ TIME FACTORS

3908. **Wagenbichler P, Frauendorfer H, Havelec L:** Der Einfluss der Hysterektomie und der einseitigen Ovarektomie auf das Auftreten von Ovarialtumoren
Geburtshilfe Frauenheilkd 32:882-90, Oct 72 (Ger
AGE FACTORS/ CARCINOMA, occurrence/ *CASTRATION/ CYSTADENOMA, occurrence/ ENGLISH ABSTRACT/ FEMALE/ FIBROMA, occurrence/ HUMAN/ *HYSTERECTOMY/ OVARIAN CYSTS, occurrence/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, prevention & control

3909. **Wagenknecht LV, Auvert J:** Diagnosis and therapy of retroperitoneal fibrosis. (Analysis of 31 cases).
Bull Soc Int Chir 31:534-8, Nov-Dec 72
ADULT/ CORTISONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ METHODS/ METHYSERGIDE, adverse effects/ MIDDLE AGE/ NEPHRECTOMY/ *RETROPERITONEAL FIBROSIS/ RETROPERITONEAL FIBROSIS, chemically induced/ RETROPERITONEAL FIBROSIS, diagnosis/ RETROPERITONEAL FIBROSIS, surgery/ URETER, surgery

3910. **Wagner H, Böckel K, Hrubesch M, et al:** Zur Gonadotropin freisetzenden Wirkung von synthetischem LH Releasing Hormon.
Med Welt 23:1814-6, 25 Nov 72 (Ger)
ADULT/ CORTICOTROPIN, blood/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ *LH, administration & dosage/ MALE/ THYROTROPIN, blood

3911. **Wagner LA, Koerker RL, Schneider FH:** Influence of different anions on catecholamine release induced by tyramine and amphetamine.
Biochem Pharmacol 22:430-2, 1 Feb 73
ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, metabolism/ AMPHETAMINE, administration & dosage/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ CARBONATES, pharmacodynamics/ *CATECHOLAMINES, metabolism/ CATTLE/ CHROMAFFIN SYSTEM, drug effects/ *CHROMAFFIN SYSTEM, metabolism/ IN

VITRO/ LYSOSOMES, metabolism/ MITOCHONDRIA, metabolism/ PHOSPHATES, pharmacodynamics/ SODIUM, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ TYRAMINE, administration & dosage/ *TYRAMINE, pharmacodynamics

3912. **Wagner RK, Görlich L, Jungblut PW:** Multiple steroid hormone receptors in calf uterus. Binding specificities and distribution.
Hoppe Seylers Z Physiol Chem 353:1654-6, Oct 72
ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HYDROCORTISONE, metabolism/ PROGESTERONE, metabolism/ *RECEPTORS, HORMONE/ STANOLONE, metabolism/ TRANSCORTIN/ *UTERUS, metabolism

3913. **Wahlig H, Schliep HJ, Bergmann R, et al:** Uber die Freisetzung von Gentamycin aus Polymethylmethacrylat. II. Experimentelle Untersuchungen in vivo.
Langenbecks Arch Chir 331:193-212, 1972 (Ger)
ACRYLATES/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE MARROW, analysis/ DOGS/ *DOSAGE FORMS/ DRUG RESISTANCE, MICROBIAL/ ENGLISH ABSTRACT/ FEMALE/ GEL DIFFUSION TESTS/ *GENTAMICIN, administration & dosage/ GENTAMICIN, analysis/ GENTAMICIN, blood/ GENTAMICIN, urine/ MALE/ MICROBIAL SENSITIVITY TESTS/ ORTHOPEDICS/ POLYMERS/ RATS/ SKIN, analysis/ *VEHICLES

3914. **Wahlqvist ML, Kaijser L, Lassers BW, et al:** The role of fatty acid and of hormones in the determination of myocardial carbohydrate metabolism in healthy fasting men. Eur J Clin Invest 3:57-65, Jan 73
ADULT/ EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOCORTICOIDS, blood/ *GLUCOSE, metabolism/ HUMAN/ INSULIN, blood/ *LACTATES, metabolism/ MALE/ *MYOCARDIUM, metabolism/ *PYRUVATES, metabolism/ SOMATOTROPIN, blood

3915. **Wahner HW:** T3 hyperthyroidism.
Mayo Clin Proc 47:938-43, Dec 72 (35 ref.)
ANIMAL EXPERIMENTS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, classification/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, occurrence/ HYPERTHYROIDISM, therapy/ INFANT, NEWBORN/ IODINE, metabolism/ IODINE ISOTOPES, therapeutic use/ PREGNANCY/ REVIEW/ SECRETORY RATE/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ THYROXINE, secretion/ THYROXINE-BINDING PROTEIN, analysis/ *TRIIODOTHYRONINE/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, secretion

3916. **Waldhäusl W, Haydl H, Frischauf H:** Determination of aldosterone by sephadex LH-20 chromatography and radioimmunoassay. Steroids 20:727-36, Dec 72
*ALDOSTERONE, urine/ CARBON ISOTOPES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYPERALDOSTERONISM, urine/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TRITIUM

3917. **Waldhäusl W, Lewandowski JA:** Measurement of plasma renin concentration (PRC) using exogenous substrate and radioimmunoassay.
Eur J Clin Invest 3:1-9, Jan 73
ANGIOTENSIN, blood/ ANGIOTENSINASE, analysis/ ANIMAL EXPERIMENTS/ DIET/ DITHIOTHREITOL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ HYPERALDOSTERONISM, metabolism/ METHODS/ POSTURE/ RABBITS/ RADIOIMMUNOASSAY/ RENIN, antagonists & inhibitors/ *RENIN, blood/ RENIN, metabolism/ SODIUM, administration & dosage/ SWINE/ TEMPERATURE

3918. **Wale N, Jenkins LC:** Site of action of diazepam in the prevention of lidocaine induced seizure activity in cats. Can Anaesth Soc J 20:146-52, Mar 73
AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ CATS/ CAUDATE NUCLEUS, drug effects/ CONVULSIONS, chemically induced/ *CONVULSIONS, drug therapy/ DIAZEPAM, administration & dosage/ *DIAZEPAM, therapeutic use/ HIPPOCAMPUS, drug effects/ *LIDOCAINE/ LIMBIC SYSTEM, drug effects/ MESENCEPHALON, drug effects/ RETICULAR FORMATION, drug effects

3919. **Walinder G:** Late effects of irradiation on the thyroid gland in mice. I. Irradiation of adult mice.
Acta Radiol [Ther] (Stockh) 11:433-51, Oct 72
ADENOMA, etiology/ ANIMAL EXPERIMENTS/ CARCINOMA, etiology/ CELL SURVIVAL, radiation effects/ CYSTADENOMA, PAPILLARY, etiology/ HYPERPLASIA, etiology/ IODINE ISOTOPES/ MALE/ MICE/ MICE, INBRED CBA/ NEOPLASMS, EXPERIMENTAL, etiology/ *NEOPLASMS, RADIATION-INDUCED, pathology/ PITUITARY GLAND, radiation effects/ PITUITARY NEOPLASMS, etiology/ *RADIATION EFFECTS/ THYROID GLAND, metabolism/ *THYROID GLAND, radiation effects/ THYROID NEOPLASMS, etiology/ THYROTROPIN, secretion/ TIME FACTORS/ TRITIUM

3920. **Walker AE:** The libidinous temporal lobe.
Schweiz Arch Neurol Neurochir Psychiatr 111:473-84, 1972
ADOLESCENCE/ ADULT/ AGGRESSION/ CHILD/ EPILEPSY, TEMPORAL LOBE, complications/ *EPILEPSY, TEMPORAL LOBE, surgery/ GONADOTROPINS, secretion/ HUMAN/ HYPOTHALAMUS, physiology/ *LIBIDO/ MALE/ ORGASM/ *SEX BEHAVIOR/ SEX DEVIATION, complications/ SEX DISORDERS, complications/ TEMPORAL LOBE, physiology/ TEMPORAL LOBE, surgery

3921. **Walker CS, Clark SJ, Wotiz HH:** Factors involved in the production of specific antibodies to estriol and estradiol. Steroids 21:259-83, Feb 73
ANTIBODIES, analysis/ ANTIBODIES, isolation & purification/ *ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CATTLE/ CHARCOAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL/ *ESTRIOL/ ESTRIOL, chem synthesis/ ESTROGENS, chem synthesis/ FREUND'S ADJUVANT/ IMMUNOCHEMISTRY/ METHODS/ OXIMES, chem synthesis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SERUM ALBUMIN, BOVINE/ TRITIUM

3922. **Walker PA, Money J:** Prenatal androgenization of females. A review. Hormones 3:119-28, 1972 (20 ref.)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANDROGENS, administration & dosage/ ANDROGENS, adverse effects/ *ANDROGENS, adverse effects/ ANDROGENS, therapeutic use/ ANIMAL EXPERIMENTS/ DIAGNOSIS, DIFFERENTIAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *HERMAPHRODITISM/ HERMAPHRODITISM, chemically induced/ HERMAPHRODITISM, diagnosis/ HERMAPHRODITISM, drug therapy/ HERMAPHRODITISM, surgery/ INFANT/ INTELLIGENCE, drug effects/ MALE/ MONKEYS/ PREGNANCY/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTATIONAL HORMONES, therapeutic use/ PSYCHOSEXUAL DEVELOPMENT, drug effects/ REVIEW

3923. Walker RF: Temperature effects on thyroid function in the lizard Sceloporus cyanogenys.
Gen Comp Endocrinol 20:137-43, Feh 73
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ COLD/ HYPOPHYSECTOMY/ IODINE, metaholism/ IODINE ISOTOPES/ *LIZARDS, physiology/ OXYGEN CONSUMPTION/ PITUITARY GLAND, physiology/ PROTEIN-BOUND IODINE TEST/ *TEMPERATURE/ THYROID GLAND, metaholism/ *THYROID GLAND, physiology/ THYROID HORMONES, metaholism/ THYROTROPIN, physiology/ THYROXINE, hiosynthesis

3924. Wall CA, Hilario EM, Whalen TJ: An orderly search for a vascular lesion producing hypertension.
J Urol 108:511-4, Oct 72
ANGIOGRAPHY/ *ARTERIOSCLEROSIS, complications/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERTENSION, RENAL, etiology/ KIDNEY FUNCTION TESTS/ MALE/ PHEOCHROMOCYTOMA, diagnosis/ PYELONEPHRITIS, diagnosis/ RENAL ARTERY, radiography/ *RENAL ARTERY OBSTRUCTION, etiology/ UROGRAPHY

3925. Wallace HJ: Anderson-Fabry disease.
Br J Dermatol 88:1-23, Jan 73
ADULT/ *ANGIOKERATOMA CORPORIS DIFFUSUM/ ANGIOKERATOMA CORPORIS DIFFUSUM, diagnosis/ ANGIOKERATOMA CORPORIS DIFFUSUM, pathology/ BRAIN, pathology/ CERAMIDES, metaholism/ CORNEAL DYSTROPHIES, pathology/ ENDOMETRIUM, pathology/ FEMALE/ *GALACTOSIDASE, metaholism/ GENES/ *GLYCOLIPIDS, metaholism/ HUMAN/ JEJUNUM, pathology/ KIDNEY GLOMERULUS, pathology/ LEUKOCYTES, enzymology/ *LIPID METABOLISM, INBORN ERRORS/ LIPID METABOLISM, INBORN ERRORS, diagnosis/ LIPID METABOLISM, INBORN ERRORS, pathology/ MALE/ MICROSCOPY, ELECTRON/ PENIS, pathology/ PROGNOSIS/ SEX CHROMOSOMES/ SKIN, pathology/ SPHINGOLIPIDS, metabolism

3926. Wallace RA, Nickol JM, Ho T, et al: Studies on amphihian yolk. X. The relative roles of autosynthetic and heterosynthetic processes during yolk protein assemhly hy isolated oocytes.
Dev Biol 29:255-72, Nov 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ LEUCINE, metabolism/ OVUM, growth & development/ *OVUM, metaholism/ PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ PREGNANCY/ *PROTEINS, hiosynthesis/ TRITIUM/ *XENOPUS, emhryology

3927. Wallach EE, DeCherney AH, Russ D, et al: Episodic secretion of LH and FSH after ovariectomy. Secretory patterns in response to estrogen and progesterone.
Obstet Gynecol 41:227-33, Feb 73
BIOLOGICAL ASSAY/ *CASTRATION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, hlood/ *FSH, secretion/ HUMAN/ LH, blood/ *LH, secretion/ MENOPAUSE/ *PERIODICITY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY

3928. Wallach HW, Shapiro JR, Mendelson SH: Medroxyprogesterone acetate (Provera R) therapy in acromegaly associated with heart disease.
Med Ann DC 42:17-22, Jan 73
*ACROMEGALY, complications/ ACROMEGALY, drug therapy/ ACROMEGALY, pathology/ ACROMEGALY, radiography/ ADULT/ *ARRHYTHMIA, etiology/ ARRHYTHMIA, pathology/ CASE REPORT/ ELECTROCARDIOGRAPHY/ FEMALE/ GLUCOSE TOLERANCE TEST/ HEART CONDUCTION SYSTEM, pathology/ *HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ *MEDROXYPROGESTERONE, therapeutic use/ SOMATOTROPIN, hlood

3929. Walter LW, Starke K: Zur Problematik des Altersulkus.
Z Alternsforsch 26:153-65 passim, 1972 (Ger)
AGE FACTORS/ AGED/ *DUODENAL ULCER, diagnosis/ DUODENAL ULCER, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PEPTIC ULCER, chemically induced/ STEROIDS, adverse effects/ *STOMACH ULCER, diagnosis/ STOMACH ULCER, radiography

3930. Wampler RS, Rehovsky DA: Decrease in food intake following cortical spreading depression in static obese rats with ventromedial hypothalamic lesions.
J Comp Physiol Psychol 82:23-9, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CEREBRAL CORTEX, physiology/ DRINKING/ *EATING/ FEEDING BEHAVIOR/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL INTERCONNECTIONS, physiology/ *OBESITY, physiopathology/ RATS/ RATS, INBRED STRAINS/ *SPREADING CORTICAL DEPRESSION/ TIME FACTORS

3931. Ward HW: Anti-oestrogen therapy for hreast cancer: a trial of tamoxifen at two dose levels.
Br Med J 1:13-4, 6 Jan 73
AGED/ ALKENES, administration & dosage/ ALKENES, adverse effects/ ALKENES, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ *ESTROGENS, antagonists & inhihitors/ ETHYLAMINES, administration & dosage/ ETHYLAMINES, adverse effects/ *ETHYLAMINES, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS

3932. Wardekar AS, Son BS, Bercu BA: Myocardial infarction and oral contraceptives. South Med J 66:382-4, Mar 73
ADULT/ ANGIOGRAPHY/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ *MYOCARDIAL INFARCT, chemically induced/ MYOCARDIAL INFARCT, physiopathology/ MYOCARDIAL INFARCT, radiography/ NORETHINDRONE, adverse effects/ VECTORCARDIOGRAPHY

3933. Warm R: Prohleme der Wehenhemmung.
Z Aerztl Forthild (Jena) 66:1033-9, 15 Oct 72 (Ger)
ALCOHOL, ETHYL, pharmacodynamics/ ANESTHESIA, INHALATION, adverse effects/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HALOTHANE, pharmacodynamics/ HUMAN/ *LABOR, drug effects/ LABOR COMPLICATIONS, etiology/ LABOR COMPLICATIONS, prevention & control/ *LABOR, PREMATURE, prevention & control/ MAGNESIUM, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ TIME FACTORS/ TOLAZOLINE, administration & dosage/ TOLAZOLINE, pharmacodynamics

3934. Warren MP: Two minutes with the oral contraceptives.
Med Times 101:129-30 passim, Mar 73
*CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ LIVER, drug effects/ PROGESTATIONAL HORMONES, adverse effects/ THROMBOEMBOLISM, chemically induced

3935. Wasastjerna C: Autoimmuunisairauksien hoito.
Duodecim 89:218-26, 1973 (Fin)
ADRENAL CORTEX HORMONES, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANTIBIOTICS, therapeutic use/ ANTILYMPHOCYTE SERUM, therapeutic use/ ANTIMETABOLITES, therapeutic use/ ARTHRITIS, RHEUMATOID, therapy/ HUMAN/ IMMUNOLOGIC DISEASES, drug

therapy/ *IMMUNOLOGIC DISEASES, therapy/ IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER DISEASES, therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy/ NEPHRITIS, therapy

3936. Wassermann O: Studies on the pharmacokinetics of his-quaternary ammonium compounds. 3. Autoradiographic studies on the substituent-dependent distribution pattern of 3 H-hexamethonium-derivatives in mice. Naunyn Schmiedebergs Arch Pharmacol 275:251-61, 1972
AMMONIUM COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLADDER, metabolism/ BLOOD-BRAIN BARRIER/ BONE AND BONES, metabolism/ CARTILAGE, metabolism/ FEMALE/ FEMUR, metabolism/ HEXAMETHONIUM COMPOUNDS, analysis/ *HEXAMETHONIUM COMPOUNDS, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MICE/ MYOCARDIUM, metabolism/ PLACENTA, metabolism/ PREGNANCY/ PROTEIN BINDING/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

3937. Wasserthell-Smoller S, Lerner RC, Arnold CB, et al: New York State physicians and the social context of abortion. Am J Public Health 63:144-9, Feb 73
*ABORTION, INDUCED/ *ATTITUDE OF HEALTH PERSONNEL/ CATHOLICISM/ CERTIFICATION/ CHRISTIANITY/ COMMUNITY HEALTH SERVICES, supply & distribution/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ COUNSELING/ FEES, MEDICAL/ FEMALE/ FINANCING, GOVERNMENT/ *GYNECOLOGY/ HUMAN/ JUDAISM/ LEGISLATION, MEDICAL/ NEW YORK/ *OBSTETRICS/ PREGNANCY/ RELIGION AND MEDICINE/ RESIDENCE CHARACTERISTICS/ SOCIAL VALUES

3938. Wastie ML: The significance of the failed pneumoencephalogram. J Neurol Sci 17:309-21, Nov 72
ADENOMA, CHROMOPHOBE, radiography/ ADULT/ AGED/ ANESTHESIA, GENERAL, adverse effects/ ANGIOSARCOMA, radiography/ ARNOLD-CHIARI DEFORMITY, radiography/ *BRAIN DISEASES, radiography/ *BRAIN NEOPLASMS, radiography/ BRAIN STEM, radiography/ CEREBELLAR NEOPLASMS, radiography/ EPENDYMOMA, radiography/ FEMALE/ GLIOMA, radiography/ HUMAN/ MALE/ METHODS/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS, radiography/ *PNEUMOENCEPHALOGRAPHY/ VENTRICULOGRAPHY

3939. Watanabe H, Menzies JA: Isolation of 16 -hydroxy-2-methoxyestrone from rat bile. Steroids 21:123-32, Jan 73
ANIMAL EXPERIMENTS/ *BILE, analysis/ BILE, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTRANES, chem synthesis/ *ESTRANES, isolation & purification/ 17-HYDROXYCORTICOSTEROIDS, chem synthesis/ HYDROXYLATION/ 17-KETOSTEROIDS, chem synthesis/ *17-KETOSTEROIDS, isolation & purification/ MASS SPECTRUM ANALYSIS/ NUCLEAR MAGNETIC RESONANCE/ RATS/ SPECTROPHOTOMETRY, INFRARED/ STEROLS, chem synthesis/ *STEROLS, isolation & purification/ TRITIUM

3940. Watari T: [Treatment of metastatic lung cancer] Jap J Clin Radiol 17:934-5, Nov 72 (Jap)
BONE NEOPLASMS, surgery/ BREAST NEOPLASMS, drug therapy/ CHORIOCARCINOMA, drug therapy/ DISGERMINOMA, radiotherapy/ HUMAN/ *LUNG NEOPLASMS, radiotherapy/ *NEOPLASM METASTASIS, radiotherapy/ NEPHROBLASTOMA, radiotherapy/ RECTAL NEOPLASMS, surgery/ UTERINE NEOPLASMS, radiotherapy

3941. Watkins BE, Riegle GD, Helsey SR: Respiratory responses to ACTH and dexamethasone in unanesthetized goats. Respir Physiol 17:127-33, Jan 73
ANIMAL EXPERIMENTS/ BICARBONATES, blood/ CARBON DIOXIDE/ CARBON DIOXIDE, blood/ *CORTICOTROPIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ GOATS/ HYDROGEN-ION CONCENTRATION/ OXYGEN, blood/ OXYGEN CONSUMPTION/ PULMONARY ALVEOLI, physiology/ *RESPIRATION, drug effects/ RESPIRATORY DEAD SPACE/ STIMULATION, CHEMICAL/ TIME FACTORS

3942. Watkins WB: The tentative identification of three neurophysins from the rat posterior pituitary gland. J Endocrinol 55:577-89, Dec 72
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS/ GEL DIFFUSION TESTS/ MALE/ METHIONINE, analysis/ MOLECULAR WEIGHT/ *NEUROPHYSINS, analysis/ OXYTOCIN/ *PITUITARY GLAND, POSTERIOR, analysis/ PROTEIN BINDING/ RATS/ SHEEP/ SWINE/ TYROSINE, analysis/ VASOPRESSIN

3943. Watson NE Jr, Johnson AH: Cryptococcal peritonitis. South Med J 66:387-8, Mar 73
ADOLESCENCE/ AMPHOTERICIN B, therapeutic use/ ANTIGENS, FUNGAL, analysis/ ASCITIC FLUID, microbiology/ *CRYPTOCOCCOSIS/ CRYPTOCOCCOSIS, drug therapy/ CRYPTOCOCCOSIS, immunology/ CRYPTOCOCCOSIS, microbiology/ CRYPTOCOCCUS NEOFORMANS, isolation & purification/ HUMAN/ MALE/ PERITONITIS, drug therapy/ *PERITONITIS, etiology/ PERITONITIS, immunology/ PERITONITIS, microbiology/ PREDNISONE, therapeutic use

3944. Wayner MJ, Greenberg I: Effects of hypothalamic stimulation, acclimation and periodic withdrawal on ethanol consumption. Physiol Behav 9:737-40, Nov-Dec 72
*ALCOHOL DRINKING/ ALCOHOL, ETHYL, administration & dosage/ ALCOHOLISM/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, BIOLOGICAL/ OSMOLAR CONCENTRATION/ RATS/ STEREOTAXIC TECHNICS

3945. Webb M: Protection by zinc against cadmium toxicity. Biochem Pharmacol 21:2767-71, 15 Oct 72
ANIMAL EXPERIMENTS/ CADMIUM, analysis/ *CADMIUM, antagonists & inhibitors/ CADMIUM, metabolism/ GEL FILTRATION/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PROTEIN BINDING/ RATS/ TESTIS, drug effects/ TIME FACTORS/ ZINC, analysis/ *ZINC, pharmacodynamics

3946. Weber HW, Greeff MJ: Observations on spontaneous pathological lesions in chacma baboons (Papio ursinus). Am J Phys Anthropol 38:407-13, Mar 73
ADRENAL GLAND DISEASES, pathology/ *ADRENAL GLAND DISEASES, veterinary/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *BABOONS/ DIARRHEA, pathology/ *DIARRHEA, veterinary/ ENDOCRINE DISEASES, pathology/ *ENDOCRINE DISEASES, veterinary/ GLOMERULONEPHRITIS, pathology/ *GLOMERULONEPHRITIS, veterinary/ KIDNEY, pathology/ LUNG, pathology/ LUNG DISEASES, pathology/ *LUNG DISEASES, veterinary/ MYOCARDITIS, pathology/ *MYOCARDITIS, veterinary/ MYOCARDIUM, pathology/ NECROSIS/ PANCREAS, pathology/ PYELONEPHRITIS, pathology/ *PYELONEPHRITIS, veterinary/ STRESS/ THYMUS GLAND, pathology/ THYROID GLAND, pathology

3947. Wechsler M, Lo Gerfo P, Feminella J, et al: The cancer

associated antigen test as an index to failure of complete removal of urological cancers.
Trans Am Assoc Genitourin Surg 64:85-7, 1972
*ANTIGENS, NEOPLASM, analysis/ BINDING SITES, ANTIBODY/ BLADDER NEOPLASMS, immunology/ DISGERMINOMA, immunology/ GOATS/ HUMAN/ IMMUNE SERUMS/ KIDNEY NEOPLASMS, immunology/ MASS SCREENING/ METHODS/ NEPHROBLASTOMA, immunology/ PENILE NEOPLASMS, immunology/ PHEOCHROMOCYTOMA, immunology/ PROSTATIC NEOPLASMS, immunology/ RADIOIMMUNOASSAY/ TERATOID TUMOR, immunology/ TESTICULAR NEOPLASMS, immunology/ URETERAL NEOPLASMS, immunology/ *UROGENITAL NEOPLASMS, immunology/ UROLOGIC DISEASES, immunology

3948. **Wehler E, Grossarth C, Deimling O von:** Esterase. VI. Der Einfluss von Testosteron auf die unspezifische Carboxylesterase der Mäuseniere während der postnatalen Entwicklung.
Histochemie 33:47-52, 1973 (Ger)
ADRENAL GLANDS, enzymology/ AGE FACTORS/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CARBOXYLIC ACIDS/ ENGLISH ABSTRACT/ ENZYME INDUCTION, drug effects/ *ESTERASES, biosynthesis/ ESTERASES, metabolism/ ESTERS/ FEMALE/ *KIDNEY, enzymology/ MALE/ MICE/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

3949. **Wein AJ, Murphy JJ:** Experience in the treatment of prostatic carcinoma with cyproterone acetate.
J Urol 109:68-70, Jan 73
AGED/ ALKALINE PHOSPHATASE, blood/ *ANDROGENS, antagonists & inhibitors/ *CARCINOMA, drug therapy/ CARCINOMA, metabolism/ CYPROTERONE, adverse effects/ CYPROTERONE, therapeutic use/ HUMAN/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PAIN/ *PREGNADIENES, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism

3950. **Weinberg EG, Tuchinda M:** Varicella in asthmatic children receiving alternate-day corticosteroid therapy. J Med Assoc Thai 56:140-3, Feb 73
ADOLESCENCE/ ASTHMA, complications/ *ASTHMA, drug therapy/ *CHICKENPOX, complications/ CHILD/ FEMALE/ HUMAN/ MALE/ *PREDNISONE, therapeutic use

3951. **Weinberger A, Oliver I:** [New treatment of Paget's bone disease] Harefuah 83:253-4, 15 Sep 72 (Heb)
HUMAN/ MITHRAMYCIN, therapeutic use/ *OSTEITIS DEFORMANS, drug therapy/ *THYROCALCITONIN, therapeutic use

3952. **Weinberger MH:** New techniques in the diagnosis and treatment of hypertension.
J Indiana State Med Assoc 66:95-9, Feb 73
ALDOSTERONE, blood/ *HYPERTENSION/ HYPERTENSION, blood/ HYPERTENSION, chemically induced/ HYPERTENSION, diagnosis/ HYPERTENSION, therapy/ PHEOCHROMOCYTOMA, complications/ THYROID NEOPLASMS, complications

3953. **Weinberger MH, Ramsdell JW, Rosner DR, et al:** Effect of chlorothiazide and sodium on vascular responsiveness to angiotensin II.
Am J Physiol 223:1049-52, Nov 72
ALDOSTERONE, blood/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT/ *CHLOROTHIAZIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRINKING BEHAVIOR/ EXTRACELLULAR SPACE, metabolism/ ISOTONIC SOLUTIONS/ MALE/ RATS/ RENIN, blood/ SODIUM, blood/ SODIUM, metabolism/ SODIUM, physiology/ SODIUM CHLORIDE, pharmacodynamics/ TACHYPHYLAXIS/ WATER-ELECTROLYTE BALANCE, drug effects

3954. **Weinmann R:** Regulation of ribosomal RNA and 5s RNA synthesis in Drosophila melanogaster. I. Bobbed mutants. Genetics 72:267-76, Oct 72
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GENOTYPE/ KINETICS/ MALE/ MUTATION/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ SEX CHROMOSOMES/ TRITIUM/ URIDINE, metabolism

3955. **Weinryb I, Michel IM, Hess SM:** Adenylate cyclase from guinea pig lung: further characterization and inhibitory effects of substrate analogs and cyclic nucleotides. Arch Biochem Biophys 154:240-9, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, analysis/ ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BRONCHI, enzymology/ DRUG SYNERGISM/ FLUORIDES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ LUNG, drug effects/ *LUNG, enzymology/ MAGNESIUM/ MALE/ MUSCLE, SMOOTH, enzymology/ MYOCARDIUM, enzymology/ NUCLEOSIDES, pharmacodynamics/ NUCLEOTIDES, pharmacodynamics/ PROTEINS, analysis/ PURINES, pharmacodynamics/ SULFHYDRYL COMPOUNDS, pharmacodynamics/ TIME FACTORS

3956. **Weinshenker NM, Longwell A:** Quantitative determination of 15-epi-PGF2 alpha in PGF2 alpha.
Prostaglandins 2:207-11, Sep 72
CHROMATOGRAPHY/ ISOMERISM/ METHODS/ PROSTAGLANDINS, analysis/ SPECIAL LIST REPRODUCTION

3957. **Weinstein A, Lindner HR, Friedlander A, et al:** Antigenic complexes of steroid hormones formed by coupling to protein through position 7: preparation from 4 -3-oxosteroids and characterization of antibodies to testosterone and androstenedione.
Steroids 20:789-812, Dec 72
ADULT/ *ANDROSTANES/ *ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ CHEMISTRY/ CHROMATOGRAPHY/ FEMALE/ *HORMONES, analysis/ HUMAN/ IMMUNOLOGY/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ PROTEINS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, INFRARED/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL REAGENTS, analysis/ *TESTOSTERONE/ TRITIUM

3958. **Weinstein B:** A generalized homology correlation for various hormones and proteins.
Experientia 28:1517-22, 15 Dec 72 (87 ref.)
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CATTLE/ CHEMISTRY/ CHOLECYSTOKININ/ DOGS/ GASTRIN/ GASTROINTESTINAL HORMONES/ *HORMONES/ HUMAN/ INSULIN/ NERVE GROWTH FACTOR/ PANCREOZYMIN/ PARATHYROID HORMONE/ PITUITARY HORMONES, ANTERIOR/ PLACENTAL HORMONES/ RATS/ REVIEW/ SALMON/ SHEEP/ SWINE/ THYROID HORMONES

3959. **Weinstein JD, Toy FJ, Jaffe ME, et al:** The effect of dexamethasone on brain edema in patients with metastatic brain tumors.
Neurology (Minneap) 23:121-9, Feb 73
AGED/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN NEOPLASMS, cerebrospinal fluid/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ CEREBROSPINAL FLUID PROTEINS, analysis/

CEREBROVASCULAR CIRCULATION/ *DEXAMETHASONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SPINAL PUNCTURE

3960. **Weinstein P, Móri E:** Plasma-Cortisol und Glaukom.
Klin Monatsbl Augenheilkd 161:277-9, Sep 72 (Ger)
CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ *GLAUCOMA, blood/ HUMAN/ *HYDROCORTISONE, blood/ INTRAOCULAR PRESSURE

3961. **Weintraub BD, Rosen SW, McCammon JA, et al:** Apparent cooperativity in radioimmunoassay of human chorionic gonadotropin.
Endocrinology 92:1250-5, Apr 73
GEL FILTRATION/ *GONADOTROPINS, CHORIONIC, analysis/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS, metabolism/ *IMMUNOGLOBULINS, FAB/ IODINE ISOTOPES/ PAPAIN/ PROTEIN BINDING/ *RADIOIMMUNOASSAY

3962. **Weir RJ, Brown JJ, Fraser R, et al:** Plasma renin, renin substrate, angiotensin II, and aldosterone in hypertensive disease of pregnancy.
Lancet 1:291-4, 10 Feb 73
*ALDOSTERONE, blood/ *ANGIOTENSIN, blood/ BLOOD PRESSURE/ ESTROGENS, secretion/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYPERTENSION, blood/ PARITY/ PLACENTA, secretion/ POSTURE/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PROTEINURIA, blood/ *RENIN, blood/ SODIUM, blood

3963. **Weisblat DI:** Upjohn involvment with the prostaglandins: a brief history.
J Reprod Med 9:252-4, Dec 72
*DRUG INDUSTRY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ PROSTAGLANDINS, chem synthesis/ *PROSTAGLANDINS, history/ RESEARCH/ UNITED STATES

3964. **Weisbrode SE, Capen CC, Nagode LA:** Fine structural and enzymatic evaluation of bone in thyroparathyroidectomized rats receiving various levels of vitamin D. Lab Invest 28:29-37, Jan 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BONE RESORPTION, drug effects/ CALCIUM/ CELL DIVISION, drug effects/ COLLAGEN/ DIET/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HISTOCYTOCHEMISTRY/ HYDROXYPROLINE, urine/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ OSTEOBLASTS, drug effects/ OSTEOCYTES, drug effects/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, physiology/ RATS/ STAINS AND STAINING/ *THYROIDECTOMY/ *TIBIA, cytology/ TIBIA, drug effects/ TIBIA, enzymology/ *VITAMIN D, pharmacodynamics

3965. **Weisman RN, Hamilton LW:** Two-way avoidance responding following VMH lesions: effects of varying shock intensity. Physiol Behav 9:243-6, Aug 72
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ BODY WEIGHT/ CONDITIONING, CLASSICAL/ ELECTRODES, IMPLANTED/ *ELECTROSHOCK/ EMOTIONS/ FEMALE/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ RATS/ REACTION TIME/ STEREOTAXIC TECHNICS

3966. **Weisman RN, Hamilton LW, Carlton PL:** Increased conditioned gustatory aversion following VMH lesions in rats. Physiol Behav 9:801-4, Nov-Dec 72
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ ATROPINE, pharmacodynamics/ *AVOIDANCE LEARNING/ *CONDITIONING (PSYCHOLOGY)/ DRINKING BEHAVIOR, drug effects/ EXPLORATORY BEHAVIOR/ EXTINCTION (PSYCHOLOGY)/ FOOD DEPRIVATION/ *HYPOTHALAMUS, physiology/ MALE/ MILK/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ STEREOTAXIC TECHNICS/ *TASTE/ WATER DEPRIVATION

3967. **Weiss ER, Biahd WH, Winston MA, et al:** Observations on the therapeutic merit of thyroid radioablation for treatment of malignant exophthalmos.
Nucl Med (Stuttg) 11:228-33, 15 Nov 72
*EXOPHTHALMOS, therapy/ FOLLOW-UP STUDIES/ GOITER, EXOPHTHALMIC, therapy/ HUMAN/ *IODINE ISOTOPES, therapeutic use/ LONG-ACTING THYROID STIMULATOR/ PROGNOSIS

3968. **Weiss HJ:** Abnormalities in platelet function due to defects in the release reaction.
Ann NY Acad Sci 201:161-73, 27 Oct 72
ADENINE, metabolism/ ADENOSINE DIPHOSPHATE, secretion/ ASPIRIN, pharmacodynamics/ BLOOD COAGULATION/ BLOOD COAGULATION TESTS/ *BLOOD PLATELET DISORDERS, blood/ BLOOD PLATELETS, secretion/ COLLAGEN/ ELECTROPHORESIS/ EPINEPHRINE, pharmacodynamics/ GLASS/ HUMAN/ KAOLIN, pharmacodynamics/ LIPOPROTEINS, blood/ *PLATELET ADHESIVENESS/ SEROTONIN, metabolism/ TRITIUM/ VON WILLEBRAND'S DISEASE, blood

3969. **Weiss HJ:** The pharmacology of platelet inhibition.
Prog Hemostasis Thromb 1:199-231, 1972 (246 ref.)
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE DIPHOSPHATE, blood/ ADENOSINE TRIPHOSPHATE, blood/ ANTICOAGULANTS, pharmacodynamics/ ANTIHISTAMINICS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, metabolism/ COLLAGEN, metabolism/ DIPYRIDAMOLE, pharmacodynamics/ HEXOSEPHOSPHATES, metabolism/ KREBS CYCLE/ MICROSCOPY, ELECTRON/ *PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ SEROTONIN, blood/ XANTHINES, pharmacodynamics

3970. **Weissman IL:** Thymus cell maturation. Studies on the origin of cortisone-resistant thymic lymphocytes.
J Exp Med 137:504-10, 1 Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CORTISONE, pharmacodynamics/ *T-LYMPHOCYTES, drug effects/ MICE/ MICE, INBRED BALB C/ THYMIDINE/ TRITIUM

3971. **Weitgasser H:** Corticoid-Langzeit therapie in der Dermatologie.
Arch Dermatol Forsch 244:403-5, 1972 (Ger)
ADMINISTRATION, ORAL/ CHILD/ CIRCADIAN RHYTHM/ DELAYED-ACTION PREPARATIONS/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MENSTRUATION DISORDERS, chemically induced/ METHYLPREDNISOLONE, adverse effects/ *METHYLPREDNISOLONE, therapeutic use/ PARAMETHASONE, adverse effects/ *PARAMETHASONE, therapeutic use/ PREGNANCY/ *SKIN DISEASES, drug therapy/ TIME FACTORS/ TRIAMCINOLONE ACETONIDE, adverse effects/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3972. **Weitzel G, Stock W, Guglielmi H:** Stoffwechseleffekte von Argininderivaten. 3. Insulinähnliche Aktivität von L-Arginin-N,N-dialkylamiden in vitro.
Hoppe Seylers Z Physiol Chem 353:1661-70, Nov 72 (Ger)
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ AMIDES, chem synthesis/ *AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARGININE, chem

synthesis/ *ARGININE, pharmacodynamics/ DIAPHRAGM/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, analysis/ GLUCOSE, metabolism/ GLYCOGEN, analysis/ GLYCOGEN, metabolism/ IN VITRO/ INSULIN, pharmacodynamics/ MUSCLES, drug effects/ *MUSCLES, metabolism/ RATS/ RECEPTORS, HORMONE, drug effects/ STIMULATION, CHEMICAL/ TRYPSIN, pharmaco...

3973. Welch P, Rose NR, Kite JH Jr: Neonatal thymectomy increases spontaneous autoimmune thyroiditis.
J Immunol 110:575-7, Feb 73
ANIMALS, NEWBORN/ ANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, immunology/ BURSA OF FABRICIUS, immunology/ CHICKENS/ HEMAGGLUTINATION TESTS/ *THYMECTOMY/ THYMUS GLAND, immunology/ *THYROIDITIS, immunology

3974. Welch RA: Induction of parturition in cattle with corticosteroids. J Reprod Fertil 32:348, Feb 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FLUMETHASONE, pharmacodynamics/ GESTATIONAL AGE/ *LABOR, INDUCED/ PREGNANCY/ TRIAMCINOLONE ACETONIDE, pharmacodynamics

3975. Welkov S, Bajdekoff B: Die Wirkung des Artrochins auf den Effekt des Serotonins in vitro und in vivo.
Allerg Immunol (Leipz) 18:51-5, 1972 (Ger)
ANIMAL EXPERIMENTS/ CAPILLARY PERMEABILITY, drug effects/ *CHLOROQUINE, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHOSPHORUS ISOTOPES/ RATS/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ STOMACH, drug effects/ TIME FACTORS

3976. Wells LA: The effects of low body temperatures on deposition of tracers in the mammalian brain.
Cryobiology 9:367-82, Oct 72
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BLOOD-BRAIN BARRIER/ BLOOD-BRAIN BARRIER, drug effects/ BODY TEMPERATURE REGULATION/ *BRAIN, metabolism/ CARBON ISOTOPES/ CHIROPTERA/ DEXAMETHASONE, pharmacodynamics/ EXTRACELLULAR SPACE/ FROGS/ GALACTOSE, metabolism/ HAMSTERS/ *HIBERNATION/ *HYPOTHERMIA, INDUCED/ OUABAIN, pharmacodynamics/ RADIOISOTOPES/ RATS/ RUBIDIUM, metabolism/ SERUM ALBUMIN, RADIO-IODINATED/ SODIUM, metabolism/ SQUIRRELS/ TIME FACTORS

3977. Wells MA: Effects of chemical modification on the activity of Crotalus adamanteus Phospholipase A 2 . Evidence for an essential amino group.
Biochemistry 12:1086-93, 13 Mar 73
ACYLATION/ *AMINO ACIDS/ AMINO ACIDS, analysis/ ANHYDRIDES/ BINDING SITES/ ETHYL ETHER/ FLUORINE/ FORMIC ACIDS/ GEL FILTRATION/ IODINE/ IODOACETATES/ LYSINE/ MACROMOLECULAR SYSTEMS/ NITROBENZENES/ OXIDATION-REDUCTION/ *PHOSPHOLIPASE/ PHOSPHOLIPASE, analysis/ PHOSPHOLIPASE, antagonists & inhibitors/ PROTEIN CONFORMATION/ *SNAKES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUCCINIMIDES/ TRYPTOPHAN/ UREA

3978. Welschen R: Amounts of gonadotrophins required for normal follicular growth in hypophysectomized adult rats. Acta Endocrinol (Kbh) 72:137-55, Jan 73
ANIMAL EXPERIMENTS/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ ESTRUS/ FEMALE/ FSH, physiology/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ HYPOPHYSECTOMY/ LH, physiology/ OVULATION, drug effects/ *OVUM, drug effects/ RATS

3979. Weit SI, Graham JB, Kossove DB, et al: Vitamin D-resistant rickets and hemophilia A--lack of close linkage on the X chromosome.
Am J Hum Genet 25:105-7, Jan 73
FEMALE/ GENES/ *HEMOPHILIA, familial & genetic/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ PEDIGREE/ *RICKETS, VITAMIN D RESISTANT, familial & genetic/ *SEX CHROMOSOMES

3980. Wender PH: Some speculations concerning a possible biochemical basis of minimal brain dysfunction.
Ann NY Acad Sci 205:18-28, 28 Feb 73 (37 ref.)
AMPHETAMINE, therapeutic use/ ANIMAL EXPERIMENTS/ AROUSAL/ AVOIDANCE LEARNING/ *BRAIN, metabolism/ CHILD/ CHILD BEHAVIOR DISORDERS, etiology/ DISEASE MODELS, ANIMAL/ *DOPAMINE, metabolism/ HUMAN/ MINIMAL BRAIN DYSFUNCTION, cerebrospinal fluid/ MINIMAL BRAIN DYSFUNCTION, complications/ MINIMAL BRAIN DYSFUNCTION, drug therapy/ MINIMAL BRAIN DYSFUNCTION, familial & genetic/ *MINIMAL BRAIN DYSFUNCTION, metabolism/ *NOREPINEPHRINE, metabolism/ REINFORCEMENT (PSYCHOLOGY)/ REVIEW/ *SEROTONIN, metabolism

3981. Weniger JP, Chouraqui J, Zeis A: Sur l'activité sécrétoire de l'ovaire embryonnaire de mammifère.
Ann Endocrinol (Paris) 33:243-50, May-Jun 72 (Fre
*ANDROGENS, secretion/ ANDROSTANES, analysis/ ANDROSTENES, analysis/ ANDROSTERONE, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ *ESTROGENS, secretion/ FEMALE/ HYDROXYSTEROID DEHYDROGENASE, analysis/ ORGAN CULTURE/ OVARY, embryology/ OVARY, enzymology/ *OVARY, secretion/ OXIDOREDUCTASES, analysis/ RADIOCHEMISTRY/ RATS/ SODIUM/ TIME FACTORS/ TISSUE CULTURE

3982. Werner C: Melaninablegerungen in der Plazenta bei neurokutaner Melanophakomatose des Feten.
Geburtshilfe Frauenheilkd 32:891-4, Oct 72 (Ger
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT, NEWBORN/ MALE/ *MELANIN, analysis/ *NEVUS, PIGMENTED, pathology/ *PLACENTA, analysis/ PLACENTA, pathology *PLACENTA DISORDERS, pathology/ PREGNANCY/ *SKIN NEOPLASMS, pathology

3983. Wester PO: Myelomatos--diagnostik och behandling.
Lakartidningen 70:475-8, 7 Feb 73 (Swe
AGED/ ALLOPURINOL, therapeutic use/ CORTISONE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ EXERCISE THERAPY/ FEMALE/ HUMAN/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ *MULTIPLE MYELOMA/ PROGNOSIS

3984. Weston WL, Claman HN, Krueger GG: Site of action of cortisol in cellular immunity.
J Immunol 110:880-3, Mar 73
ANIMAL EXPERIMENTS/ ASCITIC FLUID, cytology/ CELL AGGREGATION/ FEMALE/ FREUND'S ADJUVANT/ GUINEA PIGS/ *HYDROCORTISONE, pharmacodynamics/ *IMMUNITY, CELLULAR, drug effects/ IMMUNIZATION/ MACROPHAGES, immunology/ TUBERCULIN TEST

3985. Weston WL, Mandel MJ, Krueger GG, et al: Differential suppressive effect of hydrocortisone on lymphocyte and mononuclear macrophages in delayed

hypersensitivity of guinea pigs.
J Invest Dermatol 59:345-8, Oct 72
ANIMAL EXPERIMENTS/ BIOPSY/ CELL MIGRATION INHIBITION/ FEMALE/ FREUND'S ADJUVANT, administration & dosage/ GUINEA PIGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ HYPERSENSITIVITY, DELAYED, immunology/ *HYPERSENSITIVITY, DELAYED, pathology/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, immunology/ MACROPHAGES, cytology/ *MACROPHAGES, drug effects/ MACROPHAGES, immunology/ MICROSCOPY, ELECTRON/ MYCOBACTERIUM TUBERCULOSIS, immunology/ SKIN, immunology/ SKIN, pathology/ TUBERCULIN TEST

3986. **Westwick WJ, Allsop J, Watts RW:** A study of the effect of some drugs which cause agranulocytosis on the biosynthesis of pyrimidines in human granulocytes.
Biochem Pharmacol 21:1955-66, 15 Jul 72
*AGRANULOCYTOSIS, chemically induced/ AMIDOHYDROLASES, antagonists & inhibitors/ ASPARTATE CARBAMOYL TRANSFERASE, antagonists & inhibitors/ BLOOD PROTEINS, analysis/ CARBIMAZOLE, pharmacodynamics/ CARBON ISOTOPES/ CARBOXY-LYASES, antagonists & inhibitors/ CHLORAMPHENICOL, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ HUMAN/ IN VITRO/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ METHYLTHIOURACIL, pharmacodynamics/ OROTIC ACID/ OXIDOREDUCTASES, antagonists & inhibitors/ PENTOSYLTRANSFERASES, antagonists & inhibitors/ PHENYLBUTAZONE, pharmacodynamics/ *PYRIMIDINES, biosynthesis/ VIBRATION

3987. **Wetekam W:** Aufhebung der Polarität in einem in-vitro-system für die Enzyme des Galaktose-Operons.
Hoppe Seylers Z Physiol Chem 353:1577, Oct 72 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CHEMISTRY/ DNA/ *ENZYMES/ *GALACTOSE/ GENETICS, BIOCHEMICAL/ MUTATION/ *OPERON/ RNA, MESSENGER

3988. **Wettemann RP, Hafs HD:** LH, prolactin, estradiol and progesterone in bovine blood serum during early pregnancy. J Anim Sci 36:51-6, Jan 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRADIOL, blood/ ESTRUS/ FEMALE/ GEL FILTRATION/ *LH, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ *PROLACTIN, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY

3989. **Wettemann RP, Hafs HD, Morrow DA:** Luteinizing hormone, prolactin, and interval to ovulation after melengestrol acetate in cattle.
J Dairy Sci 56:261-3, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ MELENGESTROL, administration & dosage/ MELENGESTROL, pharmacodynamics/ *OVULATION, drug effects/ *PREGNADIENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *PROLACTIN, blood/ PUERPERIUM/ TIME FACTORS

3990. **Wetterhus S:** Alvorlig trombocytopeni ved mononucleosis infectiosa.
Tidsskr Nor Laegeforen 92:2257-8, 30 Nov 72 (Nor)
ADOLESCENCE/ BLOOD CELL COUNT/ BLOOD PLATELET DISORDERS, complications/ *BLOOD PLATELET DISORDERS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFECTIOUS MONONUCLEOSIS, complications/ INFECTIOUS MONONUCLEOSIS, physiopathology/ *INFECTIOUS MONONUCLEOSIS, therapy/ MENORRHAGIA, etiology/ *PREDNISONE, therapeutic use/ SPLENECTOMY

3991. **Wetzel W, Schmidt J:** Die Beeinflussung durch Zahnpulpareizung ausgelöster kortikaler Potentiale durch Sympathikomimetika und Serotonin.
Acta Biol Med Ger 29:729-36, 1972 (Ger)
ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, drug effects/ *DENTAL PULP, physiology/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ EPHEDRINE, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ ISOPROTERENOL, pharmacodynamics/ METHAMPHETAMINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENETHYLAMINES, pharmacodynamics/ PHENYLALANINE, pharmacodynamics/ RABBITS/ *SEROTONIN, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ TIME FACTORS

3992. **Wex P, Bassermann FJ, Arndt H:** Chronische Pneumonie. Befunde und Verlaufsbeobachtungen bei 75 Fällen.
Med Klin 68:21-8, 5 Jan 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ AGED/ ANTIBIOTICS, therapeutic use/ BACTERIA, isolation & purification/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ MALE/ MIDDLE AGE/ *PNEUMONIA/ PNEUMONIA, diagnosis/ PNEUMONIA, drug therapy/ PNEUMONIA, microbiology/ PNEUMONIA, occurrence/ PNEUMONIA, radiography/ PNEUMONIA, rehabilitation/ PNEUMONIA, surgery/ PROGNOSIS/ RECURRENCE/ SEX FACTORS/ SPUTUM, microbiology

3993. **Whalen RE, Gorzalka BB, Luttge WC:** Steroid extraction and tissue digestion in the assay of radioactivity in rat brain following tritiated estradiol-17 . Steroids 21:219-32, Feb 73
ACETONE/ ACIDS/ ALCOHOL, METHYL/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ CASTRATION/ CEREBRAL CORTEX, analysis/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, analysis/ IN VITRO/ OVARY, physiology/ RATS/ SOLVENTS/ *STEROIDS, isolation & purification/ TIME FACTORS/ TRITIUM

3994. **Whalen RE, Rezek DL:** Localization of androgenic metabolites in the brain of rats administered testosterone or dihydrotestosterone.
Steroids 20:717-25, Dec 72
ACETYLATION/ *ANDROGENS, analysis/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ HYPOTHALAMUS, analysis/ MALE/ RATS/ *STANOLONE, metabolism/ TESTIS, physiology/ *TESTOSTERONE, metabolism/ TRITIUM

3995. **Whanger AD:** Vitamins and vigor at 65 plus.
Postgrad Med 53:167-72, Feb 73
AGED/ *AGING/ ASCORBIC ACID, therapeutic use/ *AVITAMINOSIS, drug therapy/ DIET/ HUMAN/ NUTRITIONAL REQUIREMENTS/ VITAMIN A, therapeutic use/ VITAMIN B COMPLEX, therapeutic use/ VITAMIN D, therapeutic use/ VITAMIN E, therapeutic use/ *VITAMINS, therapeutic use

3996. **Wharton JT, Delclos L, Gallager S, et al:** Radiation hepatitis induced by abdominal irradiation with the cobalt 60 moving strip technique.
Am J Roentgenol Radium Ther Nucl Med 117:73-80, Jan 73
ADULT/ ASCITES, etiology/ COBALT ISOTOPES/ FEMALE/ HEPATITIS, diagnosis/ *HEPATITIS, etiology/ HEPATITIS, pathology/ HEPATOMEGALY, etiology/ HUMAN/ LIVER, pathology/ *LIVER, radiation effects/

METHODS/ MIDDLE AGE/ *OVARIAN NEOPLASMS, radiotherapy/ PLEURAL EFFUSION, etiology/ PROGNOSIS/ *RADIATION INJURIES/ RADIATION INJURIES, pathology/ *RADIOISOTOPE TELETHERAPY, adverse effects/ RADIOTHERAPY DOSAGE

3997. **White BJ:** Turner's syndrome: report of a case. J Am Osteopath Assoc 72:490-3, Jan 73
ADOLESCENCE/ DIETHYLSTILBESTROL, therapeutic use/ FEMALE/ HUMAN/ SEX CHROMATIN/ *TURNER'S SYNDROME/ TURNER'S SYNDROME, drug therapy/ TURNER'S SYNDROME, familial & genetic

3998. **White IH, Jeffery J:** Structural features of ring B and the interaction of 20-oxosteroids with cortisone reductase. Biochim Biophys Acta 296:604-14, 8 Mar 73
CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ CORTISONE/ HEAT/ *HYDROXYSTEROID DEHYDROGENASE/ HYDROXYSTEROIDS/ KETOSTEROIDS/ KINETICS/ MATHEMATICS/ MODELS, STRUCTURAL/ NORSTEROIDS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ *PREGNANES/ *PREGNENES/ PROGESTERONE/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP

3999. **White LW, Levy RP, Anton AH:** Comparison of biochemical and pharmacological testing for pheochromocytoma.
Res Commun Chem Pathol Pharmacol 5:252-62, Jan 73
ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, analysis/ CATECHOLAMINES, blood/ CATECHOLAMINES, urine/ FALSE POSITIVE REACTIONS/ FEMALE/ GLUCAGON, diagnostic use/ HUMAN/ HYPERTENSION, etiology/ MIDDLE AGE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, surgery

4000. **White RJ, Blaine CR, Blakley GA:** Detecting ovulation in Macaca nemestrina by correlation of vaginal cytology, body temperature and perineal tumescence with laparoscopy.
Am J Phys Anthropol 38:189-94, Mar 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ ESTRUS/ FEMALE/ LAPAROSCOPY/ *MACACA, physiology/ METHODS/ MONKEYS/ *OVULATION/ *PERINEUM/ TIME FACTORS/ *VAGINA, cytology/ VAGINAL SMEARS

4001. **Whitfield JF, MacManus JP, Franks DJ, et al:** Calcium-mediated effects of calcitonin on cyclic AMP formation and lymphoblast proliferation in thymocyte populations exposed to prostaglandin E 1
J Cell Physiol 80:315-28, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ *CELL DIVISION, drug effects/ DNA, biosynthesis/ EXTRACELLULAR SPACE, analysis/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ *T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, enzymology/ T-LYMPHOCYTES, metabolism/ MALE/ MITOSIS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ SALMONIDAE/ STIMULATION, CHEMICAL/ *THYROCALCITONIN, pharmacodynamics/ TIME FACTORS/ ULTIMOBRANCHIAL BODY

4002. **Widström A, Cerasi E:** On the action of tolbutamide in normal man. 3. Interaction of tolbutamide with glucagon, aminophylline and arginine in stimulating insulin response.
Acta Endocrinol (Kbh) 72:532-44, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADULT/ *AMINOPHYLLINE, pharmacodynamics/ *ARGININE, pharmacodynamics/ BLOOD SUGAR/ DRUG INTERACTIONS/ DRUG SYNERGISM/ FEMALE/ *GLUCAGON, pharmacodynamics/ HUMAN/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, enzymology/ ISLANDS OF LANGERHANS, metabolism/ MALE/ MIDDLE AGE/ PHOSPHODIESTERASES, antagonists & inhibitors/ *TOLBUTAMIDE, pharmacodynamics

4003. **Wiederholt M, Behn C, Schoormans W, et al:** Effect of aldosterone on sodium and potassium transport in the kidney. J Steroid Biochem 3:151-9, Feb 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ DIET/ DIURESIS, drug effects/ ELECTROPHYSIOLOGY/ EPITHELIUM, drug effects/ IN VITRO/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, metabolism/ LOOP OF HENLE, drug effects/ LOOP OF HENLE, metabolism/ MEMBRANE POTENTIALS, drug effects/ POTASSIUM, blood/ *POTASSIUM, metabolism/ RATS/ *SODIUM, metabolism

4004. **Wiegelmann W, Wildmeister W, Horster FA, et al:** Radioimmunoassay of HGH, ICSH and FSH in plasma after i.v. administration of thyrotropin releasing hormone (TRH). Horm Metab Res 4:482-4, Nov 72
ADULT/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ THYROTROPIN, metabolism/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

4005. **Wieland RG, Hallberg MC, Zorn EM, et al:** Pituitary-gonadal function before and after vasectomy. Fertil Steril 23:779-81, Oct 72
ADULT/ FSH, blood/ HUMAN/ LH, blood/ MALE/ METHODS/ MIDDLE AGE/ *PITUITARY GLAND, physiology/ RADIOIMMUNOASSAY/ *TESTIS, physiology/ TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM/ *VASECTOMY

4006. **Wilber J, Jaffer A, Jacobs L, et al:** Inhibition of thyrotropin releasing hormone (TRH) stimulated thyrotropin (TSH) secretion in man by a single oral dose of thyroid hormone.
Horm Metab Res 4:508, Nov 72
ADMINISTRATION, ORAL/ HUMAN/ THYROID HORMONES, pharmacodynamics/ *THYROTROPIN, antagonists & inhibitors/ *THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ THYROTROPIN RELEASING FACTOR, blood/ TIME FACTORS

4007. **Wilczek H:** Metabolity vitaminu.
Cesk Fysiol 21:347-50, 1972 (Cze)
BIOTRANSFORMATION/ HUMAN/ LIVER, metabolism/ *VITAMIN D, metabolism

4008. **Wild W, Nicolis GL, Gabrilove JL:** Appearance of Nelson's syndrome despite pituitary irradiation prior to bilateral adrenalectomy for Cushing's syndrome.
Mt Sinai J Med NY 40:68-71, Jan-Feb 73
*ADENOMA, CHROMOPHOBE, etiology/ ADENOMA, CHROMOPHOBE, prevention & control/ *ADRENALECTOMY/ CUSHING'S SYNDROME, therapy/ HUMAN/ MALE/ MIDDLE AGE/ *PIGMENTATION DISORDERS, etiology/ *PITUITARY GLAND IRRADIATION/ *PITUITARY NEOPLASMS, etiology/ PITUITARY NEOPLASMS, prevention & control/ SYNDROME

4009. **Wildschut J:** Congenitale bijnierhyperplasie en zwangerschap.
Ned Tijdschr Geneeskd 116:1963-4, 21 Oct 72 (Dut)
*ADRENAL GLAND DISEASES, congenital/

ADULT/ FEMALE/ HUMAN/ HYPERPLASIA, congenital/ PREGNANCY/ *PREGNANCY COMPLICATIONS

4010. **Wiljasalo M, Wiljasalo S:** Ergebnisse mit dem Projection-Difference-Index (Px per cent.
Radiol Diagn (Berl) 13:609-12, 1972 (Ger)
CARCINOMA/ CERVIX NEOPLASMS, radiography/ CYSTADENOMA/ FEMALE/ HUMAN/ LYMPH NODES, anatomy & bistology/ *LYMPH NODES, radiography/ *LYMPHATIC METASTASIS, radiography/ *LYMPHOGRAPHY/ OVARIAN NEOPLASMS, radiography/ TECHNOLOGY, RADIOLOGIC

4011. **Wilk M, Girke W:** Reactions between benzo(a)pyrene and nucleobases by one-electron oxidation.
J Natl Cancer Inst 49:1585-97, Dec 72
ADENINE/ ADSORPTION/ *BENZOPYRENES/ CARCINOGENS/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE/ FREE RADICALS/ GEL FILTRATION/ IODINE/ MASS SPECTRUM ANALYSIS/ *NUCLEOSIDES/ OXIDATION-REDUCTION/ *PURINES/ *PYRIMIDINES/ QUINONES/ SPECTROPHOTOMETRY, ULTRAVIOLET

4012. **Wilkinson R:** Die Rolle von Kochasalz und Renin bei der nephrogenen Hypertonie.
Z Gesamte Inn Med 27:965-70, 15 Nov 72 (Ger)
BLOOD PRESSURE/ CREATININE/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, RENAL, metabolism/ KIDNEY, drug effects/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FUNCTION TESTS/ NEPHRECTOMY/ *RENIN, metabolism/ *SODIUM CHLORIDE, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ SODIUM CHLORIDE, urine

4013. **Wilks JW, Forbes KK, Norland JF:** Syntbesis of prostaglandin F 2 by tbe ovary and uterus.
J Reprod Med 9:271-6, Dec 72
ANIMAL EXPERIMENTS/ BUFFERS/ CORPUS LUTEUM, metabolism/ ENDOMETRIUM, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ FSH, pharmacodynamics/ LH, pharmacodynamics/ MACACA/ MONKEYS/ OVARY, drug effects/ *OVARY, metabolism/ PREGNANCY, ANIMAL/ PROGESTERONE, pbarmacodynamics/ PROLACTIN, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ PSEUDOPREGNANCY/ RABBITS/ RADIOIMMUNOASSAY/ UTERUS, drug effects/ *UTERUS, metabolism

4014. **Wilcox PA, Tbomas GH:** Oestrogen metabolism in cultured buman breast tumours.
Br J Cancer 26:453-60, Dec 72
ADENOFIBROMA, metabolism/ *BREAST NEOPLASMS, metabolism/ CARCINOMA, metabolism/ CARCINOMA, DUCTAL, metabolism/ CARCINOMA, SCIRRHOUS, metabolism/ ESTRADIOL, biosyntbesis/ *ESTRADIOL, metabolism/ ESTRONE, blood/ *ESTRONE, metabolism/ FEMALE/ HUMAN/ MENOPAUSE/ ORGAN CULTURE/ TRITIUM

4015. **Williams R, Smith MG:** Liver transplantation: a clinical and immunological appraisal.
Prog Liver Dis 4:433-46, 1972
ADULT/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES, analysis/ AZATHIOPRINE, therapeutic use/ BILIARY FISTULA, etiology/ CELL MIGRATION INHIBITION/ COMPLEMENT, analysis/ FEMALE/ GRAFT REJECTION/ HUMAN/ IMMUNITY, CELLULAR/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFARCTION, etiology/ LEUKOCYTES, immunology/ LIVER, blood supply/ *LIVER, transplantation/ LIVER CIRRHOSIS, etiology/ LIVER NEOPLASMS, surgery/ MITOCHONDRIA, LIVER, immunology/ NEOPLASM METASTASIS/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ RECURRENCE/ SEPTICEMIA, etiology/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

4016. **Willis GW, Hajdu SI:** Histologically benign teratoid metastasis of testicular embryonal carcinoma: report of five cases. Am J Clin Pathol 59:338-43, Mar 73
ADULT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *TERATOID TUMOR, patbology/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, patbology/ TESTICULAR NEOPLASMS, surgery

4017. **Willis JS:** The possible roles of cellular K for survival of cells at low temperature. Cryobiology 9:351-66, Oct 72
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CELL SURVIVAL/ *CELLS, metabolism/ *COLD/ CYTOPLASM/ GUINEA PIGS/ HAMSTERS/ HIBERNATION/ KIDNEY, cytology/ MITOCHONDRIA, metabolism/ OUABAIN, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ *POTASSIUM, pbysiology/ PROTEIN BINDING/ PROTEINS, biosynthesis/ SODIUM, metabolism

4018. **Willoughby ML:** Recent progress in tbe treatment of childhood acute leukaemia.
Nouv Rev Fr Hematol 12:365-71, May-Jun 72
ACUTE DISEASE/ BRAIN NEOPLASMS, drug tberapy/ BRAIN NEOPLASMS, radiotberapy/ *BRAIN NEOPLASMS, tberapy/ CHILD/ HUMAN/ LEUKEMIA, drug tberapy/ LEUKEMIA, radiotberapy/ *LEUKEMIA, tberapy/ MENINGES/ NEUROLOGIC MANIFESTATIONS/ PREDNISOLONE, tberapeutic use/ REMISSION/ TUBERCULOSIS VACCINES, tberapeutic use/ VINCRISTINE, therapeutic use

4019. **Wilson JD:** Testosterone uptake by tbe urogenital tract of the rabbit embryo. Endocrinology 92:1192-9, Apr 73
ANIMAL EXPERIMENTS/ COLD/ EMBRYO/ FEMALE/ MALE/ OVARY, metabolism/ PREGNANCY/ RABBITS/ TESTIS, metabolism/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM/ *UROGENITAL SYSTEM, metabolism

4020. **Wilson JD:** Recent studies on tbe mechanism of action of testosterone.
N Engl J Med 287:1284-91, 21 Dec 72 (55 ref.)
ANDROGENS, metabolism/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, metabolism/ CELL NUCLEUS, metabolism/ DOGS/ ENDOPLASMIC RETICULUM, metabolism/ GENITALIA, MALE, metabolism/ GROWTH/ HUMAN/ MALE/ PROSTATE, growtb & development/ PROSTATIC HYPERTROPHY, etiology/ PROTEIN BINDING/ RATS/ REVIEW/ SEX DIFFERENTIATION DISORDERS/ SKIN, metabolism/ STANOLONE, biosyntbesis/ STANOLONE, metabolism/ STANOLONE, physiology/ TESTICULAR FEMINIZATION, enzymology/ TESTICULAR FEMINIZATION, etiology/ TESTOSTERONE, metabolism/ *TESTOSTERONE, pbysiology

4021. **Wilson JD, Siiteri PK:** Developmental pattern of testosterone syntbesis in tbe fetal gonad of the rabbit.
Endocrinology 92:1182-91, Apr 73
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ FETUS/ MALE/ *OVARY, metabolism/ PLACENTA, metabolism/ PREGNANCY/ PREGNENOLONE, blood/ PREGNENOLONE, metabolism/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ RABBITS/ *TESTIS, metabolism/ *TESTOSTERONE, biosyntbesis/ TRITIUM

4022. **Wilson JP, Galton DJ:** The effect of obesity and Cusbing's disease on the incorporation of glucose into lipid and esterification of palmitate by buman adipose tissue. Eur J Clin Invest 2:379-83, Nov 72

ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ADULT/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, enzymology/ *CUSHING'S SYNDROME, metabolism/ DIABETES MELLITUS, enzymology/ DIABETES MELLITUS, metabolism/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HEXOKINASE, analysis/ HUMAN/ *LIPIDS, biosynthesis/ MALE/ MIDDLE AGE/ *OBESITY, metabolism/ *PALMITIC ACID, metabolism/ PHOSPHOFRUCTOKINASE, analysis

4023. **Wilson JW Jr: Pathogenetic mechanisms in hypertension.** J La State Med Soc 125:39-41, Feb 73
ADRENAL CORTEX HORMONES, secretion/ CONTRACEPTIVES, ORAL, adverse effects/ HUMAN/ HYPERTENSION, classification/ *HYPERTENSION, etiology/ HYPERTENSION, RENAL, etiology/ PHEOCHROMOCYTOMA, complications/ VASCULAR RESISTANCE

4024. **Wilson SP, Doolittle DP, Dunn TG, et al: Effect of temperature stress on growth, reproduction, and adrenocortical function of mice.**
J Hered 63:324-30, Nov-Dec 72
ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, physiology/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ COLD/ FEMALE/ HEAT/ MALE/ *MICE, growth & development/ MICE, physiology/ ORGAN WEIGHT/ PHENOTYPE/ *REPRODUCTION/ *SELECTION (GENETICS)/ *STRESS/ *TEMPERATURE/ VARIATION (GENETICS)

4025. **Wilson WB: Radioimmunoassay: current status and clinical application.**
J Miss State Med Assoc 14:31-8, Feb 73 (7 ref.)
ANTIBODY FORMATION/ ANTIGENS, analysis/ AUSTRALIA ANTIGEN, analysis/ CODEINE, blood/ DIGITOXIN, blood/ DIGOXIN, blood/ HORMONES, blood/ HUMAN/ INSULIN, blood/ METHODS/ MORPHINE, blood/ *RADIOIMMUNOASSAY/ RENIN, blood/ REVIEW

4026. **Winckelmann G: Von-Willebrand-Jürgens-Syndrom.**
Med Klin 68:37-42, 12 Jan 73 (Ger)
BLOOD COAGULATION TESTS/ BLOOD TRANSFUSION/ CONTRACEPTIVES, ORAL, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FACTOR VIII/ HEMOPHILIA, diagnosis/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ PLATELET ADHESIVENESS/ PURPURA, THROMBOPENIC, diagnosis/ PURPURA, THROMBOPENIC, familial & genetic/ THROMBELASTOGRAPHY/ *VON WILLEBRAND'S DISEASE/ VON WILLEBRAND'S DISEASE, diagnosis/ VON WILLEBRAND'S DISEASE, drug therapy/ VON WILLEBRAND'S DISEASE, familial & genetic/ VON WILLEBRAND'S DISEASE, history/ VON WILLEBRAND'S DISEASE, therapy

4027. **Winder WW, Heninger RW: Effect of exercise on degradation of thyroxine in the rat.**
Am J Physiol 224:572-5, Mar 73
ANIMAL EXPERIMENTS/ *EXERTION/ HALF-LIFE/ IODINE ISOTOPES/ *KIDNEY, metabolism/ *LIVER, metabolism/ MALE/ *MUSCLES, metabolism/ RATS/ THYROXINE, blood/ *THYROXINE, metabolism/ THYROXINE, urine/ TIME FACTORS

4028. **Windischbauer G: Iatrogene Komplikationen bei der Behandlung des Diabetes insipidus mit Hypophysenhinterlappenpulver.**
Wien Klin Wochenschr 85:103-7, 16 Feb 73 (Ger)
ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ *DIABETES INSIPIDUS, drug therapy/ DRUG HYPERSENSITIVITY/ ELECTROCARDIOGRAPHY/ GEL DIFFUSION TESTS/ HUMAN/ HYPERGAMMAGLOBULINEMIA, blood/ HYPERGAMMAGLOBULINEMIA, etiology/ HYPOPITUITARISM, chemically induced/ *IATROGENIC DISEASE/ IGG, analysis/ IMMUNOELECTROPHORESIS/ MALE/ MIDDLE AGE/ *PITUITARY HORMONES, POSTERIOR, adverse effects/ POWDERS/ VASOPRESSIN, administration & dosage

4029. **Wink A: Effect of long-term exposure to low levels of toxic substances on urinary excretion of 17-oxogenic steroids and 17-oxosteroids.**
Ann Occup Hyg 15:211-7, Nov 72
*ADRENAL CORTEX HORMONES, urine/ ADULT/ *CARBON DISULFIDE, pharmacodynamics/ *DIMETHYLFORMAMIDE, pharmacodynamics/ ENVIRONMENTAL EXPOSURE/ HUMAN/ INDUSTRIAL MEDICINE/ *17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *STYRENES, pharmacodynamics/ TIME FACTORS/ *TRICHLOROETHYLENE, pharmacodynamics

4030. **Winkler K: Orale Kontraceptiva und Acne vulgaris.**
Arch Dermatol Forsch 244:503-7, 1972 (Ger)
ACNE, chemically induced/ ACNE, drug therapy/ *ACNE, physiopathology/ *ANDROGENS, metabolism/ CYPROTERONE, therapeutic use/ *ESTROGENS, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ LYNESTRENOL, adverse effects/ MALE/ *PROGESTATIONAL HORMONES, metabolism/ PROGESTATIONAL HORMONES, pharmacodynamics/ SEBACEOUS GLANDS, drug effects/ SEBUM, secretion

4031. **Winkler K: Antiandrogene bei der Alopecia androgenetica der Frau.**
Hautarzt 23:518-9, Nov 72 (Ger)
ADULT/ *ALOPECIA, drug therapy/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, therapeutic use/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, adverse effects/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ PREGNADIENES, adverse effects/ PREGNADIENES, therapeutic use

4032. **Wiqvist N, Béguin F, Bygdeman M, et al: Recent aspects on systemic administration of prostaglandin**
J Reprod Med 9:378-82, Dec 72
*ABORTION, INDUCED/ DIARRHEA, chemically induced/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ METHYLATION/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ SLOW REACTING SUBSTANCES/ SUPPOSITORIES/ *UTERUS, drug effects/ VAGINA, drug effects/ VOMITING, chemically induced

4033. **Wise EM Jr, Alexander SP, Powers M: Adenosine 3':5'-cyclic monophosphate as a regulator of bacteria transformation.**
Proc Natl Acad Sci USA 70:471-4, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ DRUG RESISTANCE, MICROBIAL/ *HAEMOPHILUS INFLUENZAE, drug effects/ HAEMOPHILUS INFLUENZAE, growth & development/ NOVOBIOCIN, pharmacodynamics/ SPECTRUM ANALYSIS/ STREPTOMYCIN, pharmacodynamics/ TIME FACTORS/ *TRANSFORMATION, GENETIC, drug effects

4034. **Wise L, Margraf HW, Ballinger WF: The effect o surgical trauma on the conjugation pattern of 17-hydroxycorticosteroids.** Surgery 73:163-7, Feb 7
CHOLECYSTECTOMY/ GASTRECTOMY/ GLUCURONATES, metabolism/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, metabolism/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *STRESS, metabolism/ SULFURIC ACIDS, metabolism/ *SURGERY, OPERATIVE/ THYROIDECTOMY/ TIME FACTORS

4035. **Wiseman EH, Chiaini J: Anti-inflammatory and pharmacokinetic properties of sudoxicam N-(2-thiazolyl)-4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide.**

Biochem Pharmacol 21:2323-34, 1 Sep 72
ADJUVANTS, IMMUNOLOGIC, pharmacodynamics/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMIDES, pharmacodynamics/ *AMIDES, pharmacodynamics/ ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARTHRITIS, drug therapy/ CARRAGEENAN, pharmacodynamics/ CHEMISTRY/ DOGS/ ERYTHEMA, drug therapy/ FEMALE/ GRANULOMA, drug therapy/ GUINEA PIGS/ HALF-LIFE/ HUMAN/ KINETICS/ MACACA/ MALE/ MONKEYS/ RATS/ RATS, INBRED STRAINS/ *THIAZINES, pharmacodynamics/ THIAZOLES, pharmacodynamics/ TIME FACTORS/ ULTRAVIOLET RAYS

4036. **Witte ON, Weissman IL, Kaplan HS:** Structural characteristics of some murine RNA tumor viruses studied by lactoperoxidase iodination.
Proc Natl Acad Sci USA 70:36-40, Jan 73
C-TYPE VIRUSES, analysis/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *IODINE/ IODINE ISOTOPES/ MAMMARY CANCER VIRUS, analysis/ MICE/ MOLECULAR WEIGHT/ MOLONEY VIRUS, analysis/ MOUSE LEUKEMIA VIRUSES, analysis/ *PEROXIDASES/ *RNA VIRUSES, analysis/ RNA VIRUSES, isolation & purification/ SODIUM DODECYL SULFATE/ TRITIUM/ *VIRAL PROTEINS, isolation & purification

4037. **Witting WC, Work BA Jr, Laros RK Jr:** Uterine activity response to constant infusion of prostaglandin F 2 in term human pregnancy. J Reprod Med 9:283-6, Dec 72
AMNIOTIC FLUID/ APGAR SCORE/ CESAREAN SECTION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LABOR, drug effects/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, pharmacodynamics/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects

4038. **Wittkower ED:** Quelques problèmes psychosomatiques d'intérêt actuel: contraception orale, hémodialyse et greffe du rein, dérivation jéjunocolique.
Rev Med Psychosom 14:249-62, Autumn 72 (Fre)
COLON, surgery/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *HEMODIALYSIS/ HUMAN/ JEJUNUM, surgery/ *KIDNEY, transplantation/ *OBESITY, surgery/ *PSYCHOPHYSIOLOGIC DISORDERS/ TRANSPLANTATION, HOMOLOGOUS

4039. **Wittouck PJ:** Intensification par la prolactine de l'absorption d'ions sodium au niveau des branchies isolées de larves d'Ambystoma mexicanum.
Arch Int Physiol Biochim 80:825-7, Oct 72 (Fre)
*AMBYSTOMA, metabolism/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GILLS, drug effects/ *GILLS, metabolism/ HYPOPHYSECTOMY/ LARVA, drug effects/ LARVA, metabolism/ PITUITARY GLAND, physiology/ *PROLACTIN, pharmacodynamics/ *SODIUM, metabolism/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, metabolism/ STIMULATION, CHEMICAL

4040. **Witwicki T, Zacharjasiewicz I:** Powikłania po stosowaniu hydrokortyzonu w obrażeniach narządu ruchu. Wiad Lek 26:431-4, 1 Mar 73 (Pol)
BLOOD PRESSURE, drug effects/ *BONE AND BONES, injuries/ BONE MARROW, drug effects/ CALLUS, drug effects/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAVENOUS/ MALE/ OSTEOBLASTS, drug effects/ POTASSIUM, metabolism/ REVIEW/ SODIUM, metabolism/ VITAMIN D, antagonists & inhibitors/ WOUNDS AND INJURIES, drug therapy

4041. **Witzleb E:** Die Bedeutung des Besonnens und Badens für die Gesundheit.
Arch Dermatol Forsch 244:146-51, 1972 (Ger)
ADAPTATION, PHYSIOLOGICAL/ *BATHS/ BLOOD PRESSURE/ ENZYME ACTIVATION, radiation effects/ GASTRIC JUICE, radiation effects/ HUMAN/ INFRARED RAYS/ MUCOUS MEMBRANE, radiation effects/ RADIATION EFFECTS/ SEASONS/ SKIN, radiation effects/ SUNLIGHT/ THYROID GLAND, radiation effects/ *ULTRAVIOLET RAYS/ VITAMIN D, metabolism

4042. **Wochnik-Dyjas D, Niewiadomska M:** Pobudliwość nerwowo-mięśniowa w brucelozie.
Neurol Neurochir Pol 7:31-7, Jan-Feb 73 (Pol)
ADULT/ BRUCELLOSIS, metabolism/ *BRUCELLOSIS, physiopathology/ CALCIUM, administration & dosage/ CHRONIC DISEASE/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ *MUSCLES, physiopathology/ NEUROMUSCULAR JUNCTION, physiopathology/ PERIPHERAL NERVES, metabolism/ TETANY, diagnosis

4043. **Wodzicka-Tomaszewska M, Hecker JF, Bray AR:** Effect of day of insertion of intra-uterine devices (IUDs) on luteal function in sheep.
J Reprod Fertil 32:323-4, Feb 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ CORPUS LUTEUM, secretion/ *ESTRUS/ FEMALE/ *INTRAUTERINE DEVICES/ PROGESTERONE, blood/ PROGESTERONE, secretion/ *SHEEP, physiology

4044. **Wojciechowski L:** Zmiany poziomu żelaza w surowicy krwi królików zatrutych wyciągiem toksyn muchomora sromotnikowego.
Pol Tyg Lek 28:20-3, 1 Jan 73 (Pol)
ANIMAL EXPERIMENTS/ ANTITOXINS, therapeutic use/ COENZYMES, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ *IRON, blood/ MALE/ *MUSHROOM POISONING, blood/ MUSHROOM POISONING, drug therapy/ MYCOTOXINS, poisoning/ RABBITS

4045. **Wojtczak L, Zaluska H, Wroniszewska A, et al:** Assay for the intactness of the outer membrane in isolated mitochondria. Acta Biochim Pol 19:227-34, 1972
ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ CATTLE/ CYTOCHROME C, metabolism/ CYTOCHROME OXIDASE, metabolism/ KIDNEY, cytology/ MEMBRANES/ METHODS/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ MYOCARDIUM, cytology/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ RABBITS/ RATS/ VIBRATION

4046. **Wold WS, Suzuki I:** Cyclic AMP and citric acid accumulation by Aspergillus niger.
Biochem Biophys Res Commun 50:237-44, 23 Jan 73
ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ASPERGILLUS, analysis/ ASPERGILLUS, drug effects/ ASPERGILLUS, growth & development/ *ASPERGILLUS, metabolism/ CITRATES, analysis/ *CITRATES, metabolism/ GUANINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ SUCROSE, analysis/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

4047. **Wolf RO, Taussig LM:** Human amniotic fluid isoamylases. Functional development of fetal pancreas and salivary glands.
Obstet Gynecol 41:337-42, Mar 73
*AMNIOTIC FLUID, enzymology/ DUODENUM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GESTATIONAL AGE/ *GLYCOSIDE HYDROLASES/ GLYCOSIDE HYDROLASES, analysis/ GLYCOSIDE

HYDROLASES, blood/ GLYCOSIDE HYDROLASES, urine/ HUMAN/ INFANT, NEWBORN/ INTESTINAL SECRETIONS, enzymology/ INTESTINES, enzymology/ LIVER, enzymology/ *PANCREAS, embryology/ PANCREAS, enzymology/ PAROTID GLAND, enzymology/ PLACENTA, enzymology/ POLYSACCHARIDES/ PREGNANCY/ SALIVA, enzymology/ *SALIVARY GLANDS, embryology/ SALIVARY GLANDS, enzymology

4048. **Wolff DJ, Huebner JA, Siegel FL:** Calcium-binding phosphoprotein of pig brain: effects of cations on the calcium binding. J Neurochem 19:2855-62, Dec 72
ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ *BRAIN, metabolism/ BUFFERS/ CADMIUM, pharmacodynamics/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FILTRATION/ IN VITRO/ LANTHANUM, pharmacodynamics/ LEAD, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MERCURY, pharmacodynamics/ OSMOLAR CONCENTRATION/ *PHOSPHOPROTEINS, metabolism/ POTASSIUM, pharmacodynamics/ PROTEIN BINDING, drug effects/ SODIUM, pharmacodynamics/ STRONTIUM, pharmacodynamics/ SWINE

4049. **Wolff E, Glasser M, Gordon GG, et al:** Virilizing luteoma of pregnancy. Report of a case with measurements of testosterone and testosterone binding in plasma. Am J Med 54:229-33, Feb 73
ADULT/ CASE REPORT/ CLITORIS/ FEMALE/ *FETAL DISEASES, etiology/ HUMAN/ HYPERTROPHY, etiology/ 17-KETOSTEROIDS, urine/ *OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ OVARY, pathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood/ PROTEIN BINDING/ RADIOISOTOPE SCANNING/ *TESTOSTERONE, blood/ *THECA CELL TUMOR, blood/ THECA CELL TUMOR, diagnosis/ THECA CELL TUMOR, pathology/ THECA CELL TUMOR, surgery/ *VIRILISM, etiology

4050. **Wolff HP, Philippi A:** Mineralocorticoidsyndrome. Ergeb Inn Med Kinderheilkd 33:137-230, 1972 (Ger)
ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, diagnosis/ *ADRENAL GLAND DISEASES, metabolism/ ADRENAL GLANDS, metabolism/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERTENSION, etiology/ *MINERALOCORTICOIDS, metabolism/ MINERALOCORTICOIDS, secretion

4051. **Wong CT, Morgan EH:** Placental transfer of iron in the guinea pig. Q J Exp Physiol 58:47-58, Jan 73
ANIMAL EXPERIMENTS/ ARSENIC, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ CYANIDES, pharmacodynamics/ DEPRESSION, CHEMICAL/ DINITROPHENOLS, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ GUINEA PIGS/ IODINE ISOTOPES/ *IRON, metabolism/ IRON ISOTOPES/ *MATERNAL-FETAL EXCHANGE/ OXYGEN, blood/ *PLACENTA, metabolism/ PREGNANCY/ SERUM ALBUMIN, RADIO-IODINATED/ TIME FACTORS/ *TRANSFERRIN, metabolism

4052. **Wong DT, Horng JS, Fuller RW:** Kinetics of serotonin accumulation into synaptosomes of rat brain--effects of amphetamine and chloroamphetamines. Biochem Pharmacol 22:311-22, 1 Feb 73
AMPHETAMINE, administration & dosage/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBON ISOTOPES/ CHLORINE, administration & dosage/ *CHLORINE, pharmacodynamics/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ *NERVE ENDINGS, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TIME FACTORS

4053. **Wong MD, Burton AF:** Isolation and preliminary characterization of corticosterone-receptor complexes in mouse placental tissue. Biochem Biophys Res Commun 50:71-9, 4 Jan 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ *CORTICOSTERONE, metabolism/ CORTISONE, metabolism/ DEOXYRIBONUCLEASE/ FEMALE/ HYDROCORTISONE, metabolism/ MICE/ MICE, INBRED STRAINS/ PLACENTA, analysis/ *PLACENTA, metabolism/ PREGNANCY/ PROGESTERONE, metabolism/ PRONASE/ PROTEIN BINDING, drug effects/ PROTEINS, metabolism/ *RECEPTORS, HORMONE/ RIBONUCLEASE/ TRITIUM

4054. **Wong TW, Straus FH 2d, Warner NE:** Testicular biopsy in the study of male infertility. II. Posttesticular causes of infertility. Arch Pathol 95:160-4, Mar 73
ADULT/ EPIDIDYMIS, abnormalities/ EPIDIDYMITIS, complications/ EPIDIDYMITIS, pathology/ GONORRHEA, complications/ GONORRHEA, pathology/ HUMAN/ MALE/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ *TESTIS, pathology/ TUBERCULOSIS, MALE GENITAL, complications/ TUBERCULOSIS, MALE GENITAL, pathology/ VAS DEFERENS, abnormalities/ VAS DEFERENS, surgery/ VASECTOMY

4055. **Wong TW, Straus FH 2d, Warner NE:** Testicular biopsy in the study of male infertility. Arch Pathol 95:151-9, Mar 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, complications/ ENVIRONMENTAL EXPOSURE/ HEAT/ HUMAN/ HYPOGONADISM, complications/ INFANT/ KLINEFELTER'S SYNDROME, complications/ KLINEFELTER'S SYNDROME, pathology/ MALE/ MIDDLE AGE/ MUMPS, complications/ OCCUPATIONAL DISEASES, etiology/ ORCHITIS, complications/ ORCHITIS, pathology/ RADIATION EFFECTS/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ TESTICULAR DISEASES, complications/ TESTICULAR DISEASES, pathology/ *TESTIS, pathology/ TESTIS, radiation effects

4056. **Wood SJ, Thomas J, Braimbridge MV:** Mitral valve disease and open heart surgery in osteogenesis imperfecta tarda. Br Heart J 35:103-6, Jan 73
EXTRACORPOREAL CIRCULATION/ FEMUR, radiography/ *HEART VALVE DISEASES/ HEART VALVE DISEASES, complications/ HEART VALVE DISEASES, pathology/ HEART VALVE DISEASES, surgery/ HUMAN/ MALE/ MIDDLE AGE/ *MITRAL VALVE/ MITRAL VALVE, pathology/ MITRAL VALVE, surgery/ *OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, radiography/ SKULL, radiography

4057. **Woodhead DM, Pohl DR, Johnson DE:** Fertility of patients with solitary testes. J Urol 109:66-7, Jan 73
ADOLESCENCE/ ADULT/ CELL COUNT/ CRYPTORCHISM, complications/ *CRYPTORCHISM, physiopathology/ HUMAN/ MALE/ *SPERMATOGENESIS/ SPERMATOZOA/ STERILITY, MALE, etiology/ *STERILITY, MALE, physiopathology/ TESTIS, physiopathology

4058. **Woods JE, Anderson CF, DeWeerd JH, et al:** High-dosage intravenously administered methylprednisolone in renal transplantation. A preliminary report. JAMA 223:896-9, 19 Feb 73
ACUTE DISEASE/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ FEMALE/ GRAFT REJECTION/ HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ IMMUNOSUPPRESSION/ INJECTIONS, INTRAVENOUS/ *KIDNEY, transplantation/ LYMPHOCYTE TRANSFORMATION/ MALE/

*METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, adverse effects/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, prevention & control/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

4059. **Woolverton WC, Hyman AL:** The pulmonary hemodynamic effects of lung thromboembolI in dogs. Surgery 73:572-8, Apr 73
ANIMAL EXPERIMENTS/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ DOGS/ HEART CATHETERIZATION/ OXYGEN, blood/ *PULMONARY ARTERY, physiopathology/ *PULMONARY EMBOLISM, physiopathology/ *PULMONARY VEINS, physiopathology/ SEROTONIN, blood/ *THROMBOEMBOLISM, physiopathology/ VENOUS PRESSURE

4060. **Wooten WW, Jndy PF, Greenfield MA:** Analysis of the effects of adipose tissue on the absorptiometric measurement of bone mineral mass. Invest Radiol 8:84-9, Mar-Apr 73
*ADIPOSE TISSUE/ AGED/ *BONE AND BONES, analysis/ FEMALE/ HUMAN/ MATHEMATICS/ MIDDLE AGE/ *MINERALS, analysis/ *RADIOISOTOPE SCANNING

4061. **Wotiz HH, Scublinsky A, Walker C:** Effect of estrogen antibodies on pregnancy in the rat. Gynecol Invest 3:124-5, 1972
ANIMAL EXPERIMENTS/ *ANTIBODIES/ CROSS REACTIONS/ *ESTRADIOL/ ESTRIOL/ FEMALE/ GESTATIONAL AGE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS

4062. **Wotman S, Mandel ID:** Salivary indicators of systemic disease. Postgrad Med 53:73-8, Mar 73
ADDISON'S DISEASE, diagnosis/ CYSTIC FIBROSIS, diagnosis/ DIGITALIS GLYCOSIDES, poisoning/ FACIAL PARALYSIS, diagnosis/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, diagnosis/ MALE/ *ORAL MANIFESTATIONS/ PREGNANCY/ PROGNOSIS/ RENIN, secretion/ *SALIVA, analysis/ SALIVA, secretion/ SALIVATION/ SJOGREN'S SYNDROME, diagnosis/ SODIUM, metabolism

4063. **Wray HL, Gray RR, Olsson RA:** Cyclic adenosine 3',5'-monophosphate-stimulated protein kinase and a substrate associated with cardiac sarcoplasmic reticulum. J Biol Chem 248:1496-8, 25 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CHLORIDES, pharmacodynamics/ DOGS/ DRUG STABILITY/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HEAT/ HISTONES, metabolism/ MAGNESIUM, pharmacodynamics/ MUSCLE PROTEINS, metabolism/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ OSMOLAR CONCENTRATION/ *PHOSPHOPROTEINS, metabolism/ PHOSPHOTRANSFERASES, antagonists & inhibitors/ *PHOSPHOTRANSFERASES, metabolism/ PROTEINS/ SARCOPLASMIC RETICULUM, enzymology/ SARCOPLASMIC RETICULUM, metabolism

4064. **Wright JA:** Evidence for pleiotropic changes in lines of Chinese hamster ovary cells resistant to concanavalin A and phytohemagglutinin-P. J Cell Biol 56:666-75, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BINDING SITES/ BUTYRATES, pharmacodynamics/ CELL FRACTIONATION/ *CELL LINE, drug effects/ CELL MEMBRANE/ CELL SURVIVAL/ CLONE CELLS/ CONCANAVALIN A/ CYTOLOGICAL TECHNICS/ GLUCOSE, pharmacodynamics/ HAMSTERS/ MUTAGENS, pharmacodynamics/ OUABAIN, pharmacodynamics/ OVARY/ PHENOLS, pharmacodynamics/ *PHYTOMITOGENS, pharmacodynamics/ *PLANT AGGLUTININS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

4065. **Wu FY:** Recurrent hydatidiform mole. A case report of nine consecutive molar pregnancies. Obstet Gynecol 41:200-4, Feb 73
ADULT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE/ HYDATIDIFORM MOLE, familial & genetic/ HYDATIDIFORM MOLE, pathology/ HYDATIDIFORM MOLE, radiography/ HYSTERECTOMY/ KARYOTYPING/ LH, blood/ PREGNANCY/ RADIOIMMUNOASSAY/ RECURRENCE

4066. **Wn JT, Chang MC:** Effects of progesterone and estrogen on the fate of blastocysts in ovariectomized pregnant ferrets: a preliminary study. Biol Reprod 7:231-7, Oct 72
ANIMAL EXPERIMENTS/ *CARNIVORA/ *CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *NIDATION, drug effects/ OVARY/ *OVUM, drug effects/ OVUM, growth & development/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, pharmacodynamics/ UTERUS, drug effects/ UTERUS, pathology

4067. **Wnrster DH:** Mouse chromosomes identified by trypsin-Giemsa (T-G) banding. Cytogenetics 11:379-87, 1972
ANIMAL EXPERIMENTS/ *CHROMOSOMES, analysis/ DYES/ FEMALE/ KARYOTYPING/ MALE/ METHODS/ MICE/ SEX CHROMOSOMES, analysis/ STAINS AND STAINING/ TRYPSIN

4068. **Wuthier RE:** The role of phospholipids in biological calcification: distribution of phospholipase activity in calcifying epiphyseal cartilage. Clin Orthop 90:191-200, Jan-Feb 73
ANIMAL EXPERIMENTS/ BONE MATRIX, enzymology/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ *CARTILAGE, enzymology/ CARTILAGE, metabolism/ CHICKENS/ CHROMATOGRAPHY/ *EPIPHYSES, enzymology/ EPIPHYSES, metabolism/ HYDROLYSIS/ PHOSPHOLIPASE, metabolism/ PHOSPHOLIPIDS, metabolism/ PROTEINS, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

4069. **Wuttke W:** Failure to induce pseudopregnancy in Na-pentobarbital anesthetized rats: effects on serum prolactin and LH. Endocrinology 92:1280-2, Apr 73
ANIMAL EXPERIMENTS/ CERVIX UTERI, drug effects/ *CERVIX UTERI, physiology/ FEMALE/ *LH, blood/ *PENTOBARBITAL, pharmacodynamics/ PHYSICAL STIMULATION/ *PROLACTIN, blood/ *PSEUDOPREGNANCY/ RATS/ SODIUM CHLORIDE, pharmacodynamics

4070. **Wyrwicka W, Chase MH:** Eating as an instrumental reaction rewarded by electrical stimulation of the brain. Physiol Behav 9:717-20, Nov-Dec 72
ANIMAL EXPERIMENTS/ APPETITE/ BRAIN, physiology/ BRAIN STEM, physiology/ CATS/ *CONDITIONING, OPERANT/ DISCRIMINATION LEARNING/ DRINKING/ *EATING/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ EXTINCTION (PSYCHOLOGY)/ FEMALE/ HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ *REWARD/ SATIATION/ SELF STIMULATION/ SEPTUM PELLUCIDUM, physiology

Y

4071. **Yadav M:** Spontaneous development of quiescent blastocyst in a marsupial, Setonix brachyurus, carrying a sucking pouch young. Lab Anim 7:89-92, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ FEMALE/ LACTATION/ *MARSUPIALIA, physiology/ *OVUM, growth & development

4072. **Yalow RS, Berson SA:** Characteristics of "big ACTH" in

human plasma and pituitary extracts.
J Clin Endocrinol Metab 36:415-23, Mar 73
ADDISON'S DISEASE, blood/ *CORTICOTROPIN, analysis/ CUSHING'S SYNDROME, blood/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ HUMAN/ IODINE ISOTOPES/ *PITUITARY GLAND, analysis/ *PLASMA, analysis/ RADIOIMMUNOASSAY/ SOMATOTROPIN/ *TISSUE EXTRACTS, analysis/ TRYPSIN

4073. **Yamada K, Oba H:** [Determination of urinary estriol using the E3 kit]
Clin Endocrinol (Tokyo) 20:887-90, Oct 72 **(Jap)**
*ESTRIOL, urine/ FEMALE/ HUMAN/ METHODS/ SPECTROPHOTOMETRY

4074. **Yamada M:** Studies on L-glycerol-3-phosphate dehydrogenases in Japanese quail, Coturnix coturnix japonica. I. Multiple components and some enzymatic properties of nicotinamide adenine dinucleotide-linked L-glycerol-3-phosphate dehydrogenase from liver and testes.
J Biochem (Tokyo) 72:1081-6, Nov 72
ANIMAL EXPERIMENTS/ *GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ KINETICS/ *LIVER, enzymology/ MALE/ NAD/ QUAIL, metabolism/ *TESTIS, enzymology

4075. **Yamada T, Hatano M:** Lowered transplantability of cultured tumor cells by persistent infection with paramyxovirus (HVJ). Gann 63:647-55, Dec 72
ANIMAL EXPERIMENTS/ BIRDS/ CATTLE/ CELL LINE/ CELLS, CULTURED/ CORTISONE/ CYTOPATHOGENIC EFFECT, VIRAL/ *FIBROSARCOMA, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HAMSTERS/ HEMADSORPTION/ *NEOPLASM TRANSPLANTATION/ *PARAMYXOVIRUSES, immunology/ RADIATION EFFECTS/ SARCOMA, EXPERIMENTAL/ SPLEEN, immunology

4076. **Yamamoto H, Hayano T, Masuda Y, et al:** Studies on the physical dependence of a new central analgesic; 1-(m-methoxyphenyl)-2-dimethylaminomethyl cyclohexanol (1) HCL (CG-315).
Jap J Pharmacol 22:715-20, Oct 72
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ *ALCOHOLS, administration & dosage/ *ANALGESICS AND ANTIPYRETICS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CYCLOHEXANE, administration & dosage/ CYCLOHEXANOL, administration & dosage/ DEPRESSION, CHEMICAL/ DIMETHYLAMINES, administration & dosage/ *DRUG ADDICTION, etiology/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ MALE/ MORPHINE, administration & dosage/ ORGAN WEIGHT/ RATS

4077. **Yamamoto K, Habu S, Ueda J:** Effect of folic acid on plasma renin activity in rats.
Naunyn Schmiedebergs Arch Pharmacol 275:343-6, 1972
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ *FOLIC ACID, pharmacodynamics/ KIDNEY, analysis/ KIDNEY, drug effects/ MALE/ ORGAN WEIGHT/ PROTEINS, analysis/ RATS/ RENIN, analysis/ *RENIN, blood/ SODIUM, blood/ TIME FACTORS

4078. **Yamamoto K, Ieiri T:** Effects of cold exposure on the synthesis and release of growth hormone and prolactin. Jap J Physiol 22:491-503, Oct 72
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ *COLD/ ENVIRONMENTAL EXPOSURE/ FATTY ACIDS, NONESTERIFIED, blood/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PROLACTIN, biosynthesis/ *PROLACTIN, metabolism/ PROLACTIN, secretion/ PROTEINS, biosynthesis/ RATS/ SOMATOTROPIN, biosynthesis/ *SOMATOTROPIN, metabolism/ SOMATOTROPIN, secretion/ TIME FACTORS

4079. **Yamamoto S, Greaves MW:** Inhibition of cutaneous hypersensitivity by cyclic AMP.
Int Arch Allergy Appl Immunol 43:118-22, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIGENS/ BORDETELLA PERTUSSIS, immunology/ DRUG SYNERGISM/ *EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ *HYPERSENSITIVITY, IMMEDIATE, immunology/ IGE, analysis/ ILEUM, drug effects/ ISOPROTERENOL, pharmacodynamics/ OVALBUMIN/ RATS/ *SKIN, immunology/ *THEOPHYLLINE, pharmacodynamics

4080. **Yamamoto S, Greaves MW, Fairley VM:** Cyclic AMP-induced inhibition of IgE-mediated hypersensitivity in human skin.
Immunology 24:77-83, Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANAPHYLAXIS, drug therapy/ ANTIGENS/ BIOLOGICAL ASSAY/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ HYPERSENSITIVITY, drug therapy/ *HYPERSENSITIVITY, metabolism/ *IGE/ IN VITRO/ MODELS, BIOLOGICAL/ POLLEN/ PROPRANOLOL, pharmacodynamics/ *SKIN, metabolism/ SKIN, secretion/ THEOPHYLLINE, pharmacodynamics

4081. **Yamamoto T, Hagiwara T, Kumahara Y:** [Thyroid stimulating hormone (TSH)]
Clin Endocrinol (Tokyo) 20:797-9, Oct 72 (9 ref.) **(Jap)**
HUMAN/ IODINE ISOTOPES, therapeutic use/ REVIEW/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, radiotherapy/ *THYROTROPIN/ THYROTROPIN, adverse effects/ THYROTROPIN, diagnostic use/ THYROTROPIN, pharmacodynamics/ THYROTROPIN, therapeutic use

4082. **Yamamoto T, Iwasaki Y, Adachi Y:** [Enzyme induction in the liver--its mechanism and clinical significance]
Jap J Clin Med 30:1952-65, Sep 72 (148 ref.) **(Jap)**
ANIMAL EXPERIMENTS/ CUSHING'S SYNDROME, drug therapy/ DNA, metabolism/ DOGS/ DRUG SYNERGISM/ ENZYME INDUCTION/ ENZYME REPRESSION/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ HYPERBILIRUBINEMIA, drug therapy/ HYPERBILIRUBINEMIA, enzymology/ INSECTICIDES, pharmacodynamics/ *LIVER, enzymology/ METHYLCHOLANTHRENE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ PHENOBARBITAL, therapeutic use/ PROTEINS, biosynthesis/ RATS/ REVIEW/ RNA, MESSENGER, biosynthesis/ TESTOSTERONE, pharmacodynamics

4083. **Yamamura H, Nishiyama K, Shimomura R, et al:** Comparison of catalytic units of muscle and liver adenosine 3',5'-monophosphate dependent protein kinases. Biochemistry 12:856-62, 27 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, PAPER/ ENZYME ACTIVATION/ GLYCOGEN PHOSPHORYLASE/ ISOELECTRIC FOCUSING/ *LIVER, enzymology/ MOLECULAR WEIGHT/ *MUSCLES, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/

PHOSPHOTRANSFERASES, isolation & purification/ PROTEIN BINDING/ PROTEINS/ RABBITS/ RATS/ TRYPSIN/ URIDINE DIPHOSPHATE SUGARS

4084. Yamanaka H, Mayuzumi T, Matsuoka M, et al: Arginase in human urogenital tumors. Gann 63:693-700, Dec 72
ADENOCARCINOMA, enzymology/ *ARGINASE, analysis/ BLADDER NEOPLASMS, enzymology/ DISGERMINOMA, enzymology/ ENZYME ACTIVATION/ HUMAN/ KIDNEY, enzymology/ KIDNEY NEOPLASMS, enzymology/ MALE/ MANGANESE, pharmacodynamics/ PROSTATIC HYPERTROPHY, enzymology/ PROSTATIC NEOPLASMS, enzymology/ TESTICULAR NEOPLASMS, enzymology/ *UROGENITAL NEOPLASMS, enzymology

4085. Yamashita J, Bone FJ, Hitchcock E: Brain abscess due to Haemophilus aphrophilus: case report.
J Neurol Neurosurg Psychiatry 35:909-11, Dec 72
AMPICILLIN, therapeutic use/ BRAIN ABSCESS, drug therapy/ *BRAIN ABSCESS, etiology/ BRAIN ABSCESS, surgery/ CHILD/ DEXAMETHASONE, therapeutic use/ DIPHENYLHYDANTOIN, therapeutic use/ DRAINAGE/ FEMALE/ *HAEMOPHILUS INFECTIONS/ HAEMOPHILUS INFECTIONS, drug therapy/ HAEMOPHILUS INFECTIONS, surgery/ HUMAN/ POTASSIUM CHLORIDE, therapeutic use/ STREPTOMYCIN, therapeutic use/ SULFAMETHAZINE, therapeutic use/ *TEMPORAL LOBE, microbiology

4086. Yanaihara T, Sakurai Y, Okinaga S, et al: Induction of ovulation in rabbits by synthetic luteinizing hormone-releasing hormone.
Am J Obstet Gynecol 115:855-6, 15 Mar 73
ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAVENOUS/ LH, administration & dosage/ *LH, pharmacodynamics/ OVARY, drug effects/ *OVULATION, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL

4087. Yáñez Polo MA, Soriguer Escofet FC, Lissen Otero E, et al: Estudio del efecto sobre el tejido adiposo en sujetos normales, diabéticos y obesos del 3'-5'-adenosin-monofosfórico cíclico (3'-5'-AMPc) y de la 3'-5'-fosfodiesterasa cíclica (3'-5'-FDEc.
Rev Clin Esp 127:765-70, 15 Nov 72 (Spa)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ADULT/ DIABETES MELLITUS, enzymology/ *DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OBESITY, enzymology/ *OBESITY, metabolism/ OBESITY IN DIABETES, enzymology/ *OBESITY IN DIABETES, metabolism/ *PHOSPHODIESTERASES, pharmacodynamics

4088. Yang MG, Wang JH, Garcia JD, et al: Mammary transfer of 203 Hg from mothers to brains of nursing rats.
Proc Soc Exp Biol Med 142:723-6, Feb 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CEREBELLUM, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ *LACTATION/ MEDULLA OBLONGATA, metabolism/ MERCURY, analysis/ *MERCURY, metabolism/ MERCURY ISOTOPES/ MESENCEPHALON, metabolism/ *MILK, metabolism/ PITUITARY GLAND, metabolism/ PONS, metabolism/ RATS

4089. Yang WH, Sairam MR, Li CH: The effect of ICSH- and its combination with prolactin on the maintenance of pregnancy in the rat.
Acta Endocrinol (Kbh) 72:173-81, Jan 73
ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ FEMALE/ HYPOPHYSECTOMY/ LH, administration & dosage/ *LH, pharmacodynamics/ NIDATION/ *PREGNANCY, drug effects/ *PROLACTIN, pharmacodynamics/ RATS

4090. Yantorno C, Vottero-Cima E, Galmarini M: Experimental autoimmune damage to rabbit male accessory glands.
Invest Ophthalmol 10:397-403, Mar 73
ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, pathology/ GEL DIFFUSION TESTS/ *GENITALIA, MALE, pathology/ HEMAGGLUTINATION TESTS/ HYPERSENSITIVITY, DELAYED/ KIDNEY, pathology/ MALE/ PROSTATE, pathology/ RABBITS/ SEMEN, immunology/ SEMINAL VESICLES, pathology/ SHEEP, immunology/ SKIN TESTS/ TESTIS, pathology

4091. Yao JK: Human heart transplantation.
Can J Surg 16:67-76, Mar 73
ABO FACTORS/ AZATHIOPRINE, therapeutic use/ CHINA/ EVALUATION STUDIES/ FOLLOW-UP STUDIES/ GRAFT REJECTION/ *HEART, transplantation/ HISTOCOMPATIBILITY TESTING/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ IMMUNOSUPPRESSION/ IMMUNOSUPPRESSION, adverse effects/ LUNG, pathology/ MALE/ METHODS/ MIDDLE AGE/ MYOCARDIUM, pathology/ POSTOPERATIVE CARE/ PREDNISONE, therapeutic use/ TISSUE DONORS/ TRANSPLANTATION, history/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES

4092. Yarom R, Ben-Ishay D, Zinder O: Myocardial cationic shifts induced by isoproterenol. Electron microscopic and electron probe studies.
J Mol Cell Cardiol 4:559-70, Dec 72
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *CALCIUM, metabolism/ ELECTRON PROBE MICROANALYSIS/ *HEART, drug effects/ HEART RATE, drug effects/ HISTOCYTOCHEMISTRY/ *ISOPROTERENOL, pharmacodynamics/ MICROSCOPY, ELECTRON/ *MYOCARDIUM, metabolism/ RATS/ TIME FACTORS

4093. Yatani T, Miyazaki T, Shiomi K, et al: [Radioimmunoassay of T3 using thyroid hormone binding antibody]
Clin Endocrinol (Tokyo) 20:863-8, Oct 72 (Jap)
*ANTIBODIES/ HUMAN/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ THYROID DISEASES, blood/ *THYROID HORMONES/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

4094. Yeh SJ, Leveille GA: Influence of dietary protein level on plasma cholesterol turnover and fecal steroid excretion in the chick. J Nutr 103:407-11, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANTICHOLESTEREMIC AGENTS, administration & dosage/ ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ BILE ACIDS AND SALTS, metabolism/ CARBON ISOTOPES/ CHICKENS/ *CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ *DIETARY PROTEINS/ DIETARY PROTEINS, administration & dosage/ FECES, analysis/ HYDROGEN-ION CONCENTRATION/ MALE/ PROTEINS, pharmacodynamics/ REGRESSION ANALYSIS/ *STEROIDS, metabolism/ STEROLS, metabolism/ TIME FACTORS

4095. Yeoman LC, Olson MO, Sugano N, et al: Amino acid sequence of the center of the arginine-lysine-rich histone from calf thymus. The total sequence.
J Biol Chem 247:6018-23, 10 Oct 72
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ DANSYL COMPOUNDS/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ *HISTONES, analysis/ MALEATES/ PEPSIN/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/

THERMOLYSIN/ THIOCYANATES/ *THYMUS GLAND, analysis/ TRYPSIN

4096. **Ying SY, Meyer RK:** Facilitation of ovulation with antiestrogens in immature rats primed with pregnant mare's serum (PMS). Contraception 5:413-21, May 72
AGE FACTORS/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ CLOMIPHENE, pharmacodynamics/ ESTROGENS, antagonists & inhibitors/ ETHYLAMINES, pharmacodynamics/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ INDENES, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ OVULATION, drug effects/ PHENOLS, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ STEREOISOMERS

4097. **Ying SY, Meyer RK:** Effect of progesterone on the time of ovulation in immature rats pretreated with pregnant mare's serum gonadotrophin (PMSG). Acta Endocrinol (Kbh) 72:161-72, Jan 73
ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ LH, blood/ *OVULATION, drug effects/ OVUM, drug effects/ PHENOBARBITAL, pharmacodynamics/ PITUITARY HORMONES, secretion/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS

4098. **York DA, Bray GA:** Genetic obesity in rats. II. The effect of food restriction on the metabolism of adipose tissue. Metabolism 22:443-54, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADIPOSE TISSUE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ *DIET/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ INSULIN, blood/ LIPIDS, metabolism/ OBESITY, blood/ *OBESITY, familial & genetic/ OBESITY, metabolism/ RATS/ *RATS, INBRED STRAINS

4099. **York DH, Baker FL, Kraicer J:** Electrical changes induced in rat adenohypophysial cells, in vivo, with hypothalamic extract.
Neuroendocrinology 11:212-28, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CELL MEMBRANE PERMEABILITY/ CEREBRAL CORTEX, physiology/ ELECTRIC CONDUCTIVITY/ HEART RATE/ *HYPOTHALAMUS, physiology/ MALE/ *MEMBRANE POTENTIALS/ MICROELECTRODES/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, secretion/ RATS/ *TISSUE EXTRACTS, pharmacodynamics

4100. **Yoshida T, Kamata S, Ito H, et al:** [Fluctuation of the urinary 17KS levels during the administration of dexamethasone and HCG in women with normal menstrual cycles]
Clin Endocrinol (Tokyo) 20:857-61, Oct 72 (Jap)
ADULT/ ANDROSTERONE, urine/ DEHYDROEPIANDROSTERONE, urine/ *DEXAMETHASONE, pharmacodynamics/ ETIOCHOLANOLONE, urine/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *17-KETOSTEROIDS, urine/ MENSTRUATION

4101. **Yoshikawa-Fukada M, Nojima T:** Biochemical characteristics of normal and virally transformed mouse cell lines. J Cell Physiol 80:421-30, Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, analysis/ ADENYL CYCLASE, metabolism/ BINDING SITES/ CELL COUNT/ CELL LINE/ CELL MEMBRANE, enzymology/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CONCANAVALIN A, metabolism/ CONTACT INHIBITION/ CULTURE MEDIA/ FIBROBLASTS/ MICE/ *POTASSIUM, pharmacodynamics/ SV40 VIRUS/ TIME FACTORS/ TRITIUM/ TRYPSIN

4102. **Yoshimura M, Hori S, Yoshimura H:** Effect of high-fat diet on thermal acclimation with special reference to thyroid activity. Jap J Physiol 22:517-31, Oct 72
*ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ BASAL METABOLISM/ BODY TEMPERATURE/ CAUCASIAN RACE/ COLD/ DIETARY CARBOHYDRATES/ *DIETARY FATS/ HEAT/ IODINE ISOTOPES/ JAPAN/ MONGOLOID RACE/ OXYGEN CONSUMPTION/ PROTEIN BINDING/ RATS/ SEASONS/ *THYROID GLAND, metabolism/ THYROXINE, metabolism

4103. **Yoshimura M, Miyazaki T, Shiomi K, et al:** [Circadian fluctuations in thyroid hormone levels]
Clin Endocrinol (Tokyo) 20:725-9, Sep 72 (Jap)
*CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ MALE/ *THYROID HORMONES, blood/ THYROXINE, blood

4104. **Yoshimura S, Shishiba Y, Shimizu T, et al:** [Microanalysis for total serum thyroxine concentration and its application to the measurement of thyroxine in mouse serum]
Folia Endocrinol Jap 48:408-11, 20 Sep 72 (Jap)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GEL FILTRATION/ MICE/ MICROCHEMISTRY/ THYROTROPIN, pharmacodynamics/ *THYROXINE, blood

4105. **Young RS, Pochaczevsky R, Leonidas JC, et al:** Thanatophoric dwarfism and cloverleaf skull ("kleeblattschädel"). Radiology 106:401-5, Feb 73
ABNORMALITIES, MULTIPLE, familial & genetic/ ABNORMALITIES, MULTIPLE, radiography/ *DWARFISM, complications/ DWARFISM, familial & genetic/ DWARFISM, radiography/ FEMALE/ HUMAN/ *HYDROCEPHALUS, complications/ HYDROCEPHALUS, familial & genetic/ HYDROCEPHALUS, radiography/ INFANT, NEWBORN/ MALE/ *SKULL, abnormalities

4106. **Young RW:** The role of the Golgi complex in sulfate metabolism. J Cell Biol 57:175-89, Apr 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BASOPHILS/ BLOOD VESSELS, cytology/ BONE MARROW CELLS/ CORNEA, cytology/ ENDOTHELIUM, cytology/ EOSINOPHILS/ FEMALE/ FIBROBLASTS/ GOLGI APPARATUS, analysis/ *GOLGI APPARATUS, metabolism/ HISTOCYTOCHEMISTRY/ MAST CELLS/ MEGAKARYOCYTES/ METHODS/ MICE/ MICROSCOPY, ELECTRON/ NEUROGLIA/ NEUTROPHILS/ OVARY, cytology/ SCHWANN CELLS/ SULFATES, isolation & purification/ *SULFATES, metabolism/ SULFUR ISOTOPES

4107. **Younoszai MK, Ranshaw J:** Gastrointestinal growth in the fetus and suckling rat pups: effects of maternal dietary protein. J Nutr 103:454-61, Mar 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BIRTH WEIGHT/ BODY WATER/ BODY WEIGHT/ CASEIN, administration & dosage/ DIETARY PROTEINS, administration & dosage/ DNA, metabolism/ FEMALE/ *GASTROINTESTINAL SYSTEM, embryology/ INTESTINE, SMALL, anatomy & histology/ INTESTINE, SMALL, growth & development/ *INTESTINE, SMALL, metabolism/ LACTATION/ MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PROTEIN DEFICIENCY, metabolism/ PROTEINS, metabolism/ RATS/ STOMACH, growth & development/ *STOMACH, metabolism

4108. **Yousef MK, Johnson HD, Johnson DA, et al:** Thyroxine secretion rates in desert lizards: Dipsosaurus dorsalis and callisaurus draconoides.
Gen Comp Endocrinol 20:217-9, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/

BODY WEIGHT/ IODINE, metabolism/ IODINE ISOTOPES/ *LIZARDS, physiology/ NECK/ SECRETORY RATE/ THIGH/ *THYROID GLAND, secretion/ *THYROXINE, secretion/ TIME FACTORS

4109. Youssefnejadian E, Florensa E, Collins WP, et al: Radioimmunoassay of 17-hydroxyprogesterone.
Steroids 20:773-88, Dec 72
ADULT/ ANTIBODY SPECIFICITY/ CATTLE, immunology/ CHROMATOGRAPHY/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, blood/ HYDROXYPROGESTERONE, chem synthesis/ MALE/ METHODS/ OXIMES, chem synthesis/ PROGESTERONE, isolation & purification/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SUCCINATES/ TIME FACTORS/ TRITIUM

4110. Yü NW, Hsü CY, Liang HM: Effect of thyroid function on sex transformation in frog tadpoles.
Gen Comp Endocrinol 19:536-42, Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ FROGS/ GENES/ MALE/ *METAMORPHOSIS, BIOLOGICAL/ *RANA CATESBEIANA, physiology/ *SEX REVERSAL, GONADAL/ TEMPERATURE/ *THYROID GLAND, physiology/ THYROIDECTOMY

4111. Yu W, Shim SS, Hawk HE: Bone circulation in hemorrhagic shock. An experimental study.
J Bone Joint Surg [Am] 54:1157-66, Sep 72
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ *BONE AND BONES, blood supply/ CENTRAL VENOUS PRESSURE/ DOGS/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PULSE/ PULSE, drug effects/ *REGIONAL BLOOD FLOW/ REGIONAL BLOOD FLOW, drug effects/ RESPIRATION/ *SHOCK, HEMORRHAGIC, physiopatbology/ TIBIA, blood supply/ VASOMOTOR SYSTEM, physiology

4112. Yudkin J, Szanto S: Increased levels of plasma insulin and eleven hydroxycorticosteroid induced by sucrose, and their reduction by phenformin.
Horm Metab Res 4:417-20, Nov 72
ADULT/ BLOOD COAGULATION FACTORS/ BLOOD PLATELETS, drug effects/ BODY WEIGHT, drug effects/ CHOLESTEROL, blood/ CLINICAL RESEARCH/ DIET/ FIBRINOGEN, analysis/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ *INSULIN, blood/ INSULIN ANTIBODIES, analysis/ MALE/ *PHENFORMIN, pharmacodynamics/ PLACEBOS/ PLATELET ADHESIVENESS, drug effects/ *SUCROSE, pharmacodynamics/ TIME FACTORS/ TRIGLYCERIDES, blood

4113. Yuwiler A, Ulrich R: Effect of 6-hydroxydopamine on the activity and circadian rhythmicity of hepatic tyrosine aminotransferase.
Biochem Pharmacol 21:3085-8, 15 Nov 72
ADRENAL CORTEX HORMONES, analysis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ BODY WEIGHT, drug effects/ *CIRCADIAN RHYTHM, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ LIVER, analysis/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MYOCARDIUM, analysis/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ PROTEINS, analysis/ RATS/ SPLEEN, analysis/ *TYROSINE AMINOTRANSFERASE, metabolism

Z

4114. Zach L, Cohen G, Scopp I, et al: Experimental radio-osteonecrosis in Rhesus macaque jaws; therapeutic irradiation dose effect on dental extraction wound healing.
Am J Phys Anthropol 38:325-30, Mar 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, radiation effects/ COBALT ISOTOPES/ DISEASE MODELS, ANIMAL/ *DOSE-RESPONSE RELATIONSHIP, RADIATION/ MACACA/ MANDIBLE, radiation effects/ MONKEYS/ OSTEOGENESIS, radiation effects/ OSTEORADIONECROSIS/ *RADIATION INJURIES, EXPERIMENTAL/ *TOOTH EXTRACTION/ *WOUND HEALING, radiation effects

4115. Zaĭchik VE, Tkachev AV: Dinamika raspredeleniia obshchego i sviazannogo s belkom I 131 v sisteme tireotsit-kolloid.
Probl Endokrinol (Mosk) 18:90-4, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL TRANSPORT/ ENGLISH ABSTRACT/ HEAT/ *IODINE ISOTOPES, metabolism/ PROTEIN BINDING/ RATS/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics

4116. Zakharia HS, Asdourian K, Matta CS: Unilateral exophthalmos. Aetiological study of 85 cases.
Br J Ophthalmol 56:678-86, Sep 72
ADOLESCENCE/ ADULT/ AGED/ CAROTID ARTERY DISEASES, complications/ CAVERNOUS SINUS/ CELLULITIS, complications/ CHILD/ CHILD, PRESCHOOL/ ECHINOCOCCOSIS, complications/ *EXOPHTHALMOS, etiology/ FEMALE/ FISTULA, complications/ HEMANGIOMA, complications/ HEMORRHAGE, complications/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MENINGIOMA, complications/ MIDDLE AGE/ ORBIT/ ORBIT, injuries/ ORBITAL NEOPLASMS, complications/ THROMBOSIS, complications/ THYROID DISEASES, complications

4117. Zakharov AF, Lelikova GP: Lokal'noe izmenenie spiralizatsii khromosom v kletkakh opukholeĭ iaichka cheloveka.
Tsitologiia 14:1092-7, Sep 72 (Rus)
*CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 16-18/ *DISGERMINOMA, familial & genetic/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *TERATOID TUMOR, familial & genetic/ *TESTICULAR NEOPLASMS, familial & genetic/ *TESTIS, cytology

4118. Zakrzewski M: Limfografia tarczycy.
Pol Tyg Lek 27:1965-8, 11 Dec 72 (Pol)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ POSTURE/ THYROID DISEASES, diagnosis/ *THYROID GLAND, radiography

4119. Zaks MG, Gazhala EM, Kassil' ZhG: Ob ontogeneticheskom razvitii zheludochnoĭ sekretsii.
Zh Evol Biokhim Fiziol 8:102-8, Jan-Feb 72 (54 ref.) (Rus)
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CHICKENS/ DOGS/ FEMALE/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, secretion/ GUINEA PIGS/ HUMAN/ PEPSIN, secretion/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ PREGNANCY/ RABBITS/ RATS/ REGENERATION/ REVIEW/ STOMACH, cytology/ STOMACH, drug effects/ STOMACH, embryology/ STOMACH, enzymology/ *STOMACH, growth & development/ STOMACH, physiology/ SUCCINATE DEHYDROGENASE, metabolism

4120. Zalin RJ: The relationship of the level of cyclic amp to differentiation in primary cultures of chick muscle cells.
Exp Cell Res 78:152-8, 30 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/

ANIMAL EXPERIMENTS/ CELL COUNT/ *CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL FUSION, drug effects/ CELLS, CULTURED/ CHICK EMBRYO/ CREATINE KINASE, analysis/ CULTURE MEDIA/ DNA, analysis/ FIBROBLASTS, drug effects/ FIBROBLASTS, enzymology/ MUSCLES, analysis/ MUSCLES, cytology/ *MUSCLES, embryology/ MUSCLES, enzymology/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ XANTHINES, pharmacodynamics

4121. **Zamenhof S, Van Marthens E, Grauel L:** DNA (cell number) and protein in rat brain. Second generation (F 2) alteration by maternal (F 0) dietary protein restriction. Nutr Metab 14:262-70, 1972
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BODY WEIGHT/ BRAIN, anatomy & histology/ BRAIN, cytology/ *BRAIN, metabolism/ CELL COUNT/ *DNA, metabolism/ FEMALE/ FETAL DISEASES, metabolism/ GENETICS/ LACTATION/ MALE/ MATERNAL-FETAL EXCHANGE/ *NERVE TISSUE PROTEINS, metabolism/ ORGAN WEIGHT/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PROTEIN DEFICIENCY, familial & genetic/ *PROTEIN DEFICIENCY, metabolism/ RATS/ REPRODUCTION/ SEX FACTORS

4122. **Zamick P, Mehregan AH:** Effect of l-tri-iodothyronine on marginal scars of skin grafted burns in rats. Plast Reconstr Surg 51:71-5, Jan 73
ANIMAL EXPERIMENTS/ BURNS, drug therapy/ BURNS, pathology/ *BURNS, surgery/ *CICATRIX, prevention & control/ *COLLAGEN, biosynthesis/ FIBROBLASTS/ HISTOCYTOCHEMISTRY/ HYDROXYPROLINE, metabolism/ MALE/ MUCOPOLYSACCHARIDES, metabolism/ RATS/ SKIN, pathology/ *SKIN, transplantation/ TRANSPLANTATION, AUTOLOGOUS/ *TRIIODOTHYRONINE, therapeutic use/ *WOUND HEALING, drug effects

4123. **Zañartu J, Manzor S:** Progress in human fertility control: the coital use of progestagens. J Reprod Fertil 32:279-81, Feb 73
ADULT/ *COITUS/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, POSTCOITAL/ FEMALE/ HUMAN/ HYDROXYSTEROIDS/ KETOSTEROIDS/ *NORSTEROIDS/ *PREGNADIENES/ PREGNANCY/ *PREGNATRIENES/ *PREGNENES/ *PROGESTATIONAL HORMONES/ TIME FACTORS

4124. **Zaneveld LJ, Polakoski KL, Schumacher GF:** Properties of acrosomal hyaluronidase from bull spermatozoa. Evidence for its similarity to testicular hyaluronidase. J Biol Chem 248:564-70, 25 Jan 73
ANIMAL EXPERIMENTS/ CATTLE/ CHICKENS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DRUG STABILITY/ EPIDIDYMIS, enzymology/ FREEZING/ GEL DIFFUSION TESTS/ HORSES/ HUMAN/ *HYALURONIDASE/ HYALURONIDASE, isolation & purification/ HYDROGEN-ION CONCENTRATION/ MALE/ MOLECULAR WEIGHT/ RABBITS/ RABBITS, immunology/ RATS/ SHEEP/ SPECIES SPECIFICITY/ SPERMATOZOA, cytology/ *SPERMATOZOA, enzymology/ SWINE/ TEMPERATURE/ *TESTIS, enzymology/ TIME FACTORS

4125. **Zaninovich A, Degrossi O, Pecorini V:** Degradación competitiva de la tiroxina y la triiodotironina por el músculo de la rata in vitro.
Medicina (B Aires) 32:493-5, Sep-Oct 72 (Spa)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ ENGLISH ABSTRACT/ FEMALE/ IN VITRO/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ *MUSCLES, metabolism/ RATS/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism

4126. **Zannini G, Cotrufo M:** Epidemiological, angiographic and clinical aspects of Buerger's disease.
J Cardiovasc Surg (Torino) 14:17-20, Jan-Feb 73
ADRENALECTOMY/ ADULT/ AGE FACTORS/ HUMAN/ MALE/ PROGNOSIS/ SEX FACTORS/ SMOKING/ SYMPATHECTOMY/ *THROMBOANGIITIS OBLITERANS/ THROMBOANGIITIS OBLITERANS, occurrence/ THROMBOANGIITIS OBLITERANS, radiography/ THROMBOANGIITIS OBLITERANS, therapy

4127. **Zapaśnik-Kobierska MH, Kucewicz A, Cegiecka-Tomaszewska K, et al:** Sarkoidoza u dzieci.
Gruzlica 40:811-9, Sep 72 (Pol)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *SARCOIDOSIS/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy

4128. **Zara C, Imparato E:** Errori di distribuzione cromosomica alla base della variabilità cariotipica in un carcinoma ovarico.
Ann Ostet Ginecol 93:405-12, Jun 72 (Ita)
AUTORADIOGRAPHY/ CARCINOMA, familial & genetic/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KARYOTYPING/ MIDDLE AGE/ *OVARIAN NEOPLASMS, familial & genetic/ TRITIUM

4129. **Zara C, Sancin A:** Gravidanza, parto e puerperio in paziente sottoposta a surrenectomia totale bilaterale per sindrome di Cushing.
Arch Ostet Ginecol 77:129-42, Apr 72 (Ita)
*ADRENALECTOMY/ ADULT/ *CUSHING'S SYNDROME, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ *PREGNANCY/ *PUERPERIUM

4130. **Zárate A, Kastin AJ, Soria J, et al:** Effectf of synthetic luteinizing hormone-releasing hormone (LH-RH) in two brothers with hypogonadotropic hypogonadism and anosmia. J Clin Endocrinol Metab 36:612-4, Mar 73
ADOLESCENCE/ ADULT/ *ANOSMIA, blood/ ANOSMIA, familial & genetic/ CLOMIPHENE, pharmacodynamics/ FSH, blood/ GONADOTROPINS, urine/ HUMAN/ *HYPOGONADISM, blood/ HYPOGONADISM, familial & genetic/ *LH, blood/ MALE/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ TIME FACTORS

4131. **Zaun H:** Uber den Einfluss der bormonellen Kontrazeptiva auf das Haarwachstum des Menschen.
Arch Dermatol Forsch 244:510-5, 1972 (Ger)
ALOPECIA, chemically induced/ CHLORMADINONE, adverse effects/ CHLORMADINONE, adverse effects/ CHLORMADINONE, pharmacodynamics/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, adverse effects/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, adverse effects/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ *HAIR, growth & development/ HUMAN/ LYNESTRENOL, adverse effects/ LYNESTRENOL, pharmacodynamics/ MESTRANOL, adverse effects/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, adverse effects/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, adverse effects/ NORGESTREL, pharmacodynamics

4132. **Zavadil M, Kobilková J:** Morfologie dysfunkčního endometria.
Sb Lek 75:33-52, Feb 73 (Cze)
ENDOMETRIUM, metabolism/ ENDOMETRIUM, pathology/ ENDOMETRIUM, physiopathology/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ PROGESTATIONAL HORMONES, metabolism

4133. **Zech P, Labeeuw M, Beruard M, et al:** Evolution à long terme des fibroses rétropéritonéales idiopathiques. A propos de six cas traités médicalement.
Nouv Presse Med 2:481-5, 24 Feb 73 (Fre)
ADULT/ AGED/ ANURIA, drug therapy/ ANURIA, etiology/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FUNCTION TESTS/ LONG TERM CARE/ MALE/ MIDDLE AGE/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROGNOSIS/ RETROPERITONEAL FIBROSIS, complications/ *RETROPERITONEAL FIBROSIS, drug therapy/ RETROPERITONEAL FIBROSIS, radiography/ RETROPERITONEAL FIBROSIS, surgery/ URINARY CATHETERIZATION/ UROGRAPHY

4134. **Zeitz L:** Effect of subcutaneous fat on bone mineral content measurements with the 'single-energy' photon absorptiometry technique.
Acta Radiol [Ther] (Stockh) 11:401-10, Oct 72
*ADIPOSE TISSUE/ *BONE AND BONES, analysis/ FOREARM/ HUMAN/ IODINE ISOTOPES/ METHODS/ *MINERALS, analysis/ MODELS, BIOLOGICAL/ OBESITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

4135. **Zellweger H:** Zespół wiotkiego dziecka (floppy infant.
Pediatr Pol 48:99-107, Jan 73 (14 ref.) (Pol)
AGE FACTORS/ *AMYOTONIA CONGENITA/ AMYOTONIA CONGENITA, diagnosis/ AMYOTONIA CONGENITA, etiology/ BIOPSY/ CHILD/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA/ ENGLISH ABSTRACT/ GLYCOGENOSIS/ HUMAN/ HYPERCALCEMIA, complications/ HYPOKALEMIA, complications/ MAGNESIUM, blood/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ MUSCLE TONUS/ MUSCLES, pathology/ MUSCULAR DYSTROPHY/ POSTURE/ REVIEW/ SYNDROME

4136. **Zemlan FP, Ward IL, Crowley WR, et al:** Activation of lordotic responding in female rats by suppression of serotonergic activity. Science 179:1010-1, 9 Mar 73
ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CINNAMATES, pharmacodynamics/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS/ INJECTIONS/ METHANE, pharmacodynamics/ METHYSERGIDE, administration & dosage/ METHYSERGIDE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *SEROTONIN, antagonists & inhibitors/ *SEX BEHAVIOR, ANIMAL, drug effects/ SULFONIC ACIDS, pharmacodynamics/ TETRABENAZINE, pharmacodynamics

4137. **Zeškov P, Erak P:** Etiopatogenetski i terapeutski aspekt malignih oblika epilepsije dječje dobi.
Neuropsihijatrija 20:191-9, 1972 (Cro)
ADRENAL CORTEX HORMONES, therapeutic use/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *EPILEPSY, PETIT MAL/ EPILEPSY, PETIT MAL, drug therapy/ EPILEPSY, PETIT MAL, etiology/ HUMAN/ *HYPSARRHYTHMIA/ HYPSARRHYTHMIA, drug therapy/ HYPSARRHYTHMIA, etiology

4138. **Zhukova DIa:** O psikhotropnom komponente deĭstviia narkoticheskikh anal'getikov.
Farmakol Toksikol 36:12-4, Jan-Feb 73 (Rus)
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CODEINE, pharmacodynamics/ ENGLISH ABSTRACT/ FENTANYL, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ MORPHINE, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ RABBITS

4139. **Zhukova NI:** Nekotorye morfo-gistokhimicheskie dannye o vliianii tireoidina i 1-tiroksina na motoneĭr ony spinnogo mozga krys.
Probl Endokrinol (Mosk) 18:86-90, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MOTOR NEURONS, analysis/ MOTOR NEURONS, cytology/ *MOTOR NEURONS, drug effects/ PROTEINS, analysis/ RATS/ RNA, analysis/ SPINAL CORD, cytology/ SPINAL CORD, drug effects/ *THYROID HORMONES, pharmacodynamics/ THYROXINE, pharmacodynamics/ TIME FACTORS

4140. **Ziegler R, Minne H, Bellwinkel S, et al:** Hypercalciämie-Syndrom und hypercalciämische Krise. Symptomatik, Differentialdiagnose und Therapie.
Dtsch Med Wochenschr 98:276-83, 9 Feb 73 (Ger)
AFFECTIVE DISTURBANCES, etiology/ BONE RESORPTION, etiology/ CALCIUM CARBONATE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERCALCEMIA/ HYPERCALCEMIA, chemically induced/ HYPERCALCEMIA, chemically induced/ HYPERCALCEMIA, complications/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, etiology/ MILK-ALKALI SYNDROME, complications/ NAUSEA, complications/ PHOSPHATES, therapeutic use/ VITAMIN D, adverse effects/ VITAMIN D, therapeutic use/ VOMITING, complications

4141. **Ziemiański S, Opuszyńska T, Kruś S:** Badania biologiczne wartości żywieniowej tłuszczów jadalnych. 3. Wpływ wybranych tłuszczów na zmiany morfologiczne różnych narządów.
Rocz Panstw Zakl Hig 23:685-94, 1972 (Pol)
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *DIETARY FATS, adverse effects/ ENGLISH ABSTRACT/ INTESTINE, SMALL, pathology/ KIDNEY, pathology/ LIVER, pathology/ MALE/ MARGARINE, adverse effects/ MYOCARDIUM, pathology/ OILS, adverse effects/ PANCREAS, pathology/ RATS/ TESTIS, pathology/ TIME FACTORS

4142. **Zieve FJ, Glinsmann WH:** Activation of glycogen synthetase and inactivation of phosphorylase kinase by the same phosphoprotein phosphatase.
Biochem Biophys Res Commun 50:872-8, 5 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CARBON ISOTOPES/ ENZYME ACTIVATION, drug effects/ *GLUCOSYLTRANSFERASES/ GLYCOGEN SYNTHETASE/ MUSCLES, enzymology/ PHOSPHATASES, analysis/ *PHOSPHATASES, pharmacodynamics/ PHOSPHOPROTEINS/ *PHOSPHORYLASE KINASE, antagonists & inhibitors/ RABBITS/ TIME FACTORS

4143. **Zigmond RE, Nottebohm F, Pfaff DW:** Androgen-concentrating cells in the midbrain of a songbird. Science 179:1005-7, 9 Mar 73
*ANDROGENS, analysis/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BIRDS/ CASTRATION/ MALE/ *MESENCEPHALON, analysis/ MESENCEPHALON, cytology/ MESENCEPHALON, metabolism/ TESTOSTERONE, metabolism/ TRITIUM/ VOCALIZATION, ANIMAL

4144. **Zile M, Ahrens H, DeLuca HF:** Vitamin A and bone metabolism in the rat. J Nutr 103:308-13, Feb 73
ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BONE AND BONES, enzymology/ *BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM, DIETARY, administration & dosage/ CHOLECALCIFEROL, administration & dosage/ CHOLECALCIFEROL, adverse effects/ CHOLECALCIFEROL, pharmacodynamics/ HYDROXYPROLINE, blood/ HYDROXYPROLINE, urine/

INTESTINAL MUCOSA, enzymology/ MALE/ RATS/ THYROCALCITONIN, secretion/ TIME FACTORS/ VITAMIN A, administration & dosage/ VITAMIN A, adverse effects/ VITAMIN A, therapeutic use/ VITAMIN A DEFICIENCY, drug therapy/ *VITAMIN A DEFICIENCY, metabolism

4145. **Zimei H:** Hormonii citostatici. Realizări şi perspective.
Stud Cercet Endocrinol 24:141-4, 1973 (Rum)
*ANTINEOPLASTIC AGENTS/ DRUG COMBINATIONS/ *HORMONES/ RESEARCH

4146. **Zimmerman RE, Griffiths HJ, D'Orsi C:** Bone mineral measurement by means of photon absorption.
Radiology 106:561-4, Mar 73
ABSORPTION/ *BONE AND BONES, analysis/ HUMAN/ IODINE ISOTOPES/ METHODS/ *MINERALS, analysis

4147. **Zimmermann E, Smyri R, Critchlow V:** Suppression of pituitary-adrenal response to stress with physiological plasma levels of corticosterone in the female rat. Neuroendocrinology 10:246-56, 1972
ANIMAL EXPERIMENTS/ COLD/ CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ *CORTICOSTERONE, physiology/ CORTICOTROPIN, secretion/ *DEXAMETHASONE, pharmacodynamics/ ETHYL ETHER, pharmacodynamics/ FEEDBACK/ FEMALE/ HEAT/ IMMOBILIZATION/ *PITUITARY-ADRENAL SYSTEM, drug effects/ POSTURE/ RATS/ *STRESS

4148. **Zipper JA, Prager R, Medei M:** Biologic changes induced by unilateral intrauterine instillation of quinacrine in the rat and their reversal by either estradiol or progesterone. Fertil Steril 24:48-53, Jan 73
ANIMAL EXPERIMENTS/ ENDOMETRIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ NIDATION, drug effects/ *PROGESTERONE, pharmacodynamics/ *QUINACRINE, pharmacodynamics/ RATS/ STERILITY, FEMALE, chemically induced/ UTERUS, anatomy & histology/ *UTERUS, drug effects

4149. **Zlatin RS, Kulikov MA:** Sootnoshenila i osobennosti izmenenil élektricheskoĭ aktivnosti zadnego gipotalamusa i dvigatel'noĭ kory pri razlichnykh farmakologicheskikh vozdeĭstviiakh.
Fiziol Zh SSSR 59:16-27, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CARBACHOL, pharmacodynamics/ *CHLORAL HYDRATE, pharmacodynamics/ *CHLORPROMAZINE, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MOTOR CORTEX, drug effects/ *MOTOR CORTEX, physiology/ RABBITS/ *SCOPOLAMINE, pharmacodynamics

4150. **Zlotnik G:** Testosterone levels in intersex goats.
J Reprod Fertil 32:287-90, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ *GOATS/ HERMAPHRODITISM, blood/ *HERMAPHRODITISM, veterinary/ KARYOTYPING/ MALE/ PHENOTYPE/ RADIOLIGAND ASSAY/ *TESTOSTERONE, blood/ TRITIUM

4151. **Zoit N:** Equivalence hypothesis of mental and somatic processes. Theoretical considerations.
Dis Nerv Syst 33:667-71, Oct 72
BRAIN, growth & development/ CEREBRAL CORTEX, physiology/ EVOLUTION/ HUMAN/ HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, physiology/ MENTAL DISORDERS, therapy/ *MENTAL PROCESSES/ *NERVOUS SYSTEM, physiology/ SPINAL CORD, physiology/ THALAMUS, physiology/ THINKING

4152. **Zook BC, Sauer RM, Bush M, et al:** Lead poisoning in zoo-dwelling primates.
Am J Phys Anthropol 38:415-23, Mar 73
ANIMAL EXPERIMENTS/ *ANIMALS, ZOO/ BASOPHILS/ BONE AND BONES, pathology/ BRAIN DISEASES, chemically induced/ CELLULAR INCLUSIONS/ ERYTHROCYTES/ HEMATOCRIT/ KIDNEY, pathology/ LEAD, blood/ LEAD POISONING, complications/ LEAD POISONING, diagnosis/ LEAD POISONING, occurrence/ LEAD POISONING, pathology/ *LEAD POISONING, veterinary/ LIVER, pathology/ MACACA/ *MONKEY DISEASES, chemically induced/ MONKEYS/ MUSCLES, pathology/ NECROSIS/ *PRIMATES

4153. **Zoumboulakis D, Anagnostakis D, Albanis V, et al:** Steroids in treatment of pertussis. A controlled clinical trial. Arch Dis Child 48:51-4, Jan 73
AGE FACTORS/ CLINICAL RESEARCH/ CORTISONE, therapeutic use/ ERYTHROMYCIN, therapeutic use/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ IMMUNIZATION/ INFANT/ INFANT, NEWBORN/ LEUKOCYTE COUNT/ LUNG, radiography/ MALE/ SEX FACTORS/ TIME FACTORS/ VOMITING, complications/ WHOOPING COUGH, complications/ *WHOOPING COUGH, drug therapy/ WHOOPING COUGH, mortality/ WHOOPING COUGH, radiography

4154. **Zourlas PA, Jones HW Jr:** The gynecologic aspects of adrenal tumors. Obstet Gynecol 41:234-8, Feb 73
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ *ADENOMA, complications/ ADENOMA, pathology/ ADENOMA, surgery/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ *AMENORRHEA, etiology/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, complications/ FEMALE/ *HIRSUTISM, etiology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ STEIN-LEVENTHAL SYNDROME, complications/ *STERILITY, FEMALE, etiology/ VIRILISM, etiology

4155. **Zuber-Vogeli LI, Xavier F:** Les modifications cytologiques de l'hypophyse distale des femelles de Nectophrynoides occidentalis Angel après ovariectomie.
Gen Comp Endocrinol 20:199-213, Feb 73 (Fre)
ABORTION/ ANIMAL EXPERIMENTS/ CASTRATION/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ HYPERTROPHY/ *OVARY, physiology/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, physiology/ PREGNANCY/ PREGNANCY, ANIMAL/ TIME FACTORS/ *TOADS, physiology

4156. **Zuck TF, Bergin JJ:** Thrombotic predisposition associated with oral contraceptives.
Obstet Gynecol 41:427-35, Mar 73
ANTITHROMBIN, blood/ ARTERIAL OCCLUSIVE DISEASES, chemically induced/ BLOOD COAGULATION TESTS/ COLORADO/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ PROGESTERONE, adverse effects/ REMISSION/ THROMBIN, biosynthesis/ THROMBOPHLEBITIS, chemically induced/ *THROMBOSIS, chemically induced/ TIME FACTORS

4157. **Zucker MB:** Proteolytic inhibitors, contact and other variables in the release reaction of human platelets.
Thromb Diath Haemorrh 28:393-407, 31 Dec 72
ADENOSINE DIPHOSPHATE, blood/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, blood/ ADULT/ BLOOD PLATELETS, analysis/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, physiology/

CARBON ISOTOPES/ CENTRIFUGATION/ CITRATES, pharmacodynamics/ EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ GLUCURONIDASE, blood/ HEPARIN, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ PLASMA/ PLATELET ADHESIVENESS, drug effects/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, blood/ TEMPERATURE/ ZINC, blood

4158. **Zuckerberg C, Solari AJ:** Centriolar changes induced by vinblastine sulphate in the seminiferous epithelium of the mouse. Exp Cell Res 76:470-5, Feb 73
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, drug effects/ INJECTIONS, INTRAPERITONEAL/ MALE/ MEIOSIS/ MICE/ MICROSCOPY, ELECTRON/ MICROTUBULES, drug effects/ MITOSIS/ *ORGANOIDS, drug effects/ SPERMATOZOA, cytology/ *SPERMATOZOA, drug effects/ SULFATES/ TESTIS, cytology/ TIME FACTORS/ VINBLASTINE, administration & dosage/ *VINBLASTINE, pharmacodynamics

4159. **Zukowski W, Zawada W:** Niezwykle korzystny wynik leczenia zespołu Cushinga na tle raka kory nadnercza. Wiad Lek 26:255-7, 1 Feb 73 (Pol)
*ADRENAL GLAND NEOPLASMS, complications/ ADULT/ *CARCINOMA, complications/ *CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *PODOPHYLLIN, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS

4160. **Zwahr C:** Sequenz-Ovosiston als Kontrazeptivum. Zentralbl Gynaekol 94:1722-5, 9 Dec 72 (Ger)
ADULT/ CHLORMADINONE, administration & dosage/ CHLORMADINONE, adverse effects/ *CONTRACEPTIVES, ORAL, administration & dosage/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ MESTRANOL, administration & dosage/ MESTRANOL, adverse effects/ PREGNANCY

4161. **Zweymüller K, Plenk H Jr:** Experimentelle Osteoporose bei lathyritischen Ratten. Arch Orthop Unfallchir 74:160-4, 1972 (Ger)
AMINES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ FEMUR HEAD, drug effects/ FEMUR HEAD, pathology/ LATHYRISM, chemically induced/ *LATHYRISM, complications/ LATHYRISM, pathology/ MALE/ MICROSCOPY, FLUORESCENCE/ NITRILES, pharmacodynamics/ OSTEOPOROSIS, chemically induced/ *OSTEOPOROSIS, complications/ OSTEOPOROSIS, pathology/ RATS/ RATS, INBRED STRAINS/ TETRACYCLINE

ANONYMOUS

Am J Med

4162. Severe cardiac failure in a chronic alcoholic. Am J Med 54:211-21, Feb 73
*ALCOHOLISM, complications/ ALCOHOLISM, pathology/ AUTOPSY/ BODY WEIGHT/ CHRONIC DISEASE/ DIABETES MELLITUS, complications/ DIAGNOSIS, DIFFERENTIAL/ ELECTROCARDIOGRAPHY/ FEMALE/ GOITER, NODULAR, complications/ HEART BLOCK, etiology/ *HEART FAILURE, CONGESTIVE, pathology/ HUMAN/ ISONIAZID, therapeutic use/ MIDDLE AGE/ *MYOCARDIAL DISEASES, PRIMARY, pathology/ *MYOCARDIUM, pathology/ OBESITY, complications/ PANCREATITIS, complications/ SMOKING, complications

4163. Clinicopathologic conference. Leukemia? Carcinoma? Leukemia and carcinoma? Am J Med 54:351-8, Mar 73
*BONE AND BONES, pathology/ *BONE MARROW, pathology/ *BONE NEOPLASMS, pathology/ *BREAST NEOPLASMS, pathology/ *CARCINOMA, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *INTESTINAL NEOPLASMS, pathology/ *INTESTINE, SMALL, pathology/ *LEUKEMIA, MYELOCYTIC, pathology/ *LYMPH NODES, pathology/ MIDDLE AGE

Anesth Analg (Cleve)

4164. Complications following epidural "blood patch" for postlumbar-puncture headache. Anesth Analg (Cleve) 52:67-72, Jan-Feb 73
ADULT/ ANESTHESIA, SPINAL, adverse effects/ BACKACHE, drug therapy/ BACKACHE, etiology/ *BLOOD TRANSFUSION, AUTOLOGOUS, adverse effects/ CASE REPORT/ DIAZEPAM, therapeutic use/ DURA MATER/ FEMALE/ HEADACHE, etiology/ *HEADACHE, surgery/ HUMAN/ LUMBOSACRAL REGION/ METHYLPREDNISOLONE, therapeutic use/ PAIN, etiology/ PROPOXYPHENE, therapeutic use/ *SPINAL PUNCTURE, adverse effects/ THIGH

Ann Intern Med

4165. Statement on hypoglycemia. Ann Intern Med 78:300-1, Feb 73
ADRENAL GLAND HYPOFUNCTION, complications/ BLOOD SUGAR, analysis/ HUMAN/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, diagnosis/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, etiology

Br Med J

4166. Glucagon and growth hormone. Br Med J 1:188-9, 27 Jan 73
ADULT/ BLOOD SUGAR/ CHILD/ GLUCAGON, administration & dosage/ *GLUCAGON, diagnostic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ INSULIN, diagnostic use/ *PITUITARY DISEASES, diagnosis/ PITUITARY GLAND FUNCTION TESTS/ *SOMATOTROPIN, secretion

4167. Cutaneous polyarteritis. Br Med J 1:6, 6 Jan 73
ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ *PERIARTERITIS NODOSA, diagnosis/ PERIARTERITIS NODOSA, drug therapy/ PROGNOSIS/ *SKIN DISEASES, diagnosis

4168. Pathology of malignant hyperpyrexia. Br Med J 1:249, 3 Feb 73
ANESTHESIA, GENERAL, adverse effects/ ANIMAL EXPERIMENTS/ BIOPSY/ CALCIUM, metabolism/ CREATINE KINASE, blood/ HALOTHANE, adverse effects/ HUMAN/ MALIGNANT HYPERTHERMIA, enzymology/ MALIGNANT HYPERTHERMIA, metabolism/ *MALIGNANT HYPERTHERMIA, pathology/ MUSCLES, pathology/ MUSCULAR DISEASES, complications/ SARCOPLASMIC RETICULUM, metabolism/ SUCCINYLCHOLINE, adverse effects/ SWINE

4169. Physiology of the fetus. Br Med J 3:657-8, 16 Sep 72
ANIMAL EXPERIMENTS/ BETAMETHASONE, therapeutic use/ FETAL DEATH, prevention & control/ *FETUS, physiology/ HUMAN/ INFANT, NEWBORN/ OBSTETRICS, education/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, prevention & control/ SHEEP

4170. Treatment with calcitonin. Br Med J 1:371-2, 17 Feb 73
HUMAN/ HYPERCALCEMIA, drug therapy/ OSTEITIS DEFORMANS, drug therapy/ THYROCALCITONIN, administration & dosage/

THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, therapeutic use

4171. Prolonged levodopa therapy. Br Med J 1:373, 17 Feb 73
ACROMEGALY, chemically induced/ DIABETES MELLITUS, chemically induced/ DOPA, adverse effects/ *DOPA, therapeutic use/ HUMAN/ PARKINSONISM, drug therapy/ TIME FACTORS

4172. "Seborrhoeic dermatitis". Br Med J 1:436-7, 24 Feb 73
FOLLICULITIS, diagnosis/ HAIR/ HUMAN/ MALE/ PARKINSONISM/ PEMPHIGUS, diagnosis/ PUBERTY/ *SEBORRHEA/ SEBORRHEA, classification/ SEBORRHEA, diagnosis

Can Med Assoc J

4173. Oral contraceptives. Can Med Assoc J 108:278, 3 Feb 73
ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, occurrence/ CALIFORNIA/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEPATOMA, chemically induced/ LIVER NEOPLASMS, chemically induced/ MALE/ MICE/ RATS

Circulation

4174. The coronary drug project. Design, methods, and baseline results. Circulation 47:Suppl 3:1-50, Mar 73
ADULT/ ALKALINE PHOSPHATASE, blood/ *ANTICHOLESTEREMIC AGENTS, therapeutic use/ BILIRUBIN, blood/ BLOOD PRESSURE/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CHOLESTEROL, blood/ CLINICAL RESEARCH/ CLOFIBRATE, therapeutic use/ CORONARY DISEASE, blood/ *CORONARY DISEASE, drug therapy/ DEXTROTHYROXINE, therapeutic use/ ELECTROCARDIOGRAPHY/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ MYOCARDIAL INFARCT, drug therapy/ NICOTINIC ACID, therapeutic use/ PLACEBOS/ RESEARCH DESIGN/ SMOKING, occurrence/ TRIGLYCERIDES, blood/ UNITED STATES/ URIC ACID, blood

Cytogenetics

4175. Paris Conference (1971): Standardization in human cytogenetics. Cytogenetics 11:317-62, 1972
AUTORADIOGRAPHY/ CHROMOSOME ABERRATIONS/ CHROMOSOME MAPPING, standards/ CHROMOSOMES/ *CYTOGENETICS/ FEMALE/ FLUORESCENT DYES/ *GENETICS, HUMAN/ HUMAN/ KARYOTYPING, standards/ MALE/ *NOMENCLATURE/ SEX CHROMOSOMES

Del Med J

4176. Recording adolescent physical changes: Tanner's system. Del Med J 45:84-8, Mar 73
ADOLESCENCE/ *ADOLESCENCE/ ADULT/ ANTHROPOLOGY, PHYSICAL/ BREAST, growth & development/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENITALIA, growth & development/ HAIR/ HUMAN/ MALE/ METHODS/ *PUBERTY/ SEX FACTORS

Diabetes

4177. Special report. Statement on hypoglycemia. Diabetes 22:137, Feb 73
ADRENAL GLAND HYPOFUNCTION, diagnosis/ AMERICAN MEDICAL ASSOCIATION/ BLOOD SUGAR/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, diagnosis/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, etiology/ SOCIETIES, MEDICAL

Health Phys

4178. Alkaline earth metabolism in adult man. A report prepared by a task group of Committee 2 of the International Commission on Radiological Protection (ICRP Publication 20). Health Phys 24:125-221, Feb 73
ADOLESCENCE/ ADULT/ AGED/ *BARIUM, metabolism/ BODY BURDEN/ BONE AND BONES, metabolism/ CALCIUM ISOTOPES, blood/ *CALCIUM ISOTOPES, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MATHEMATICS/ MIDDLE AGE/ MODELS, BIOLOGICAL/ RADIOACTIVE FALLOUT/ RADIUM, blood/ *RADIUM, metabolism/ STRONTIUM ISOTOPES, blood/ *STRONTIUM ISOTOPES, metabolism

J Am Vet Med Assoc

4179. Defective spermiogenesis in a 9-year-old stallion. J Am Vet Med Assoc 162:142-7, 15 Jan 73
ANIMAL EXPERIMENTS/ ATROPHY/ BURSITIS, pathology/ BURSITIS, veterinary/ FORELIMB/ HEMOSIDEROSIS, pathology/ HEMOSIDEROSIS, veterinary/ *HORSE DISEASES, pathology/ LUNG DISEASES, pathology/ LUNG DISEASES, veterinary/ MALE/ OSTEITIS, pathology/ OSTEITIS, veterinary/ SEMEN, analysis/ SEMEN, cytology/ *SPERMATOGENESIS/ SPERMATOZOA/ TESTICULAR DISEASES, pathology/ *TESTICULAR DISEASES, veterinary/ TESTIS, pathology

J Assoc Physicians India

4180. Renin-angiotensin system and hypertension. J Assoc Physicians India 20:377-8, May 72
*ANGIOTENSIN, blood/ HUMAN/ HYPERALDOSTERONISM, complications/ *HYPERTENSION, blood/ HYPERTENSION, etiology/ *RENIN, blood

4181. Tumor humours. J Assoc Physicians India 20:583-4, Aug 72
*HORMONES, ECTOPIC/ HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, blood/ HUMAN/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES metabolism

4182. Osteomalacia in neurofibromatosis. J Assoc Physicians India 20:411-2, May 72
ADULT/ CALCIUM, urine/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ *NEUROFIBROMATOSIS, complications/ *OSTEOMALACIA, etiology/ OSTEOMALACIA, urine/ PHOSPHATES, urine

4183. How simple is hirsutism? J Assoc Physicians India 20:785-6, Oct 72
ADRENAL GLANDS, metabolism/ HIRSUTISM/ HIRSUTISM, etiology/ HIRSUTISM, metabolism/ HIRSUTISM, therapy/ HUMAN/ MALE/ TESTOSTERONE, biosynthesis

J Cardiovasc Surg (Torino)

4184. Symposium on Buerger's diseases. Discussion. J Cardiovasc Surg (Torino) 14:47-51, Jan-Feb 7
ADOLESCENCE/ ADRENALECTOMY/ ADULT/ HUMAN/ SMOKING/ SYMPATHECTOMY/ THROMBOANGIITIS OBLITERANS, diagnosis/ THROMBOANGIITIS OBLITERANS, surgery/ *THROMBOANGIITIS OBLITERANS, therapy

J Nucl Biol Med

4185. Thyroid radiouclide uptake measurements. Report o an IAEA Panel. J Nucl Biol Med 16:1-9, Jan-Mar 7
HUMAN/ IODINE, metabolism/ *IODINE ISOTOPES, DIAGNOSTIC/ *TECHNETIUM, diagnostic use/ TECHNETIUM, metabolism/ THYROID GLAND, metabolism/ *THYROID GLAND FUNCTION TESTS, standards

Lancet

4186. Screening for chromosomal abnormalities. Lancet 1:542-3, 10 Mar 73
*CHROMOSOME ABNORMALITIES, diagnosis/ ETHICS, MEDICAL/ FEMALE/ HUMAN/ MALE/ MONGOLISM, diagnosis/ MONGOLISM, prevention & control/ PREGNANCY/ *PRENATAL DIAGNOSIS/ SEX DETERMINATION

4187. Azathioprine in systemic lupus erythematosus. Lancet 1:704-5, 31 Mar 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ ANTIMETABOLITES, therapeutic use/ AZATHIOPRINE, administration & dosage/ *AZATHIOPRINE,

therapeutic use/ HUMAN/ KIDNEY DISEASES, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy/ PROGNOSIS/ TIME FACTORS/ UREA, blood

4188. Zinc deficiency in man. Lancet 1:299-300, 10 Feb 73
DEFICIENCY DISEASES/ DEFICIENCY DISEASES, drug therapy/ DIETARY CARBOHYDRATES, metabolism/ DIETARY PROTEINS, metabolism/ EGYPT/ FEMALE/ GROWTH, drug effects/ GROWTH DISORDERS, drug therapy/ HUMAN/ IRAN/ MALE/ PUBERTY/ SALTS, administration & dosage/ WOUND HEALING, drug effects/ *ZINC/ ZINC, administration & dosage/ ZINC, urine

4189. Gender differences. Lancet 1:411-2, 24 Feb 73
ENVIRONMENT/ FEMALE/ GONADS, physiopathology/ HERMAPHRODITISM/ HOMOSEXUALITY/ HUMAN/ KARYOTYPING/ MALE/ *SEX/ SEX BEHAVIOR/ SEX CHARACTERISTICS/ SEX CHROMOSOMES/ *SEX DIFFERENTIATION DISORDERS/ SEX HORMONES, physiology/ TRANSSEXUALISM/ TURNER'S SYNDROME

4190. Propranolol and plasma-renin. Lancet 1:243, 3 Feb 73
CARDIAC OUTPUT, drug effects/ CATECHOLAMINES, pharmacodynamics/ COLD/ HUMAN/ HYPERTENSION, drug therapy/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ *RENIN, blood/ TIME FACTORS

Med J Aust

4191. Medico-social problems in the Greek community. Med J Aust 2:855-6, 14 Oct 72
ADOLESCENCE/ *ATTITUDE TO HEALTH/ AUSTRALIA/ CHILD/ CHILD HEALTH SERVICES/ COMMUNICATION/ CULTURE/ EMIGRATION AND IMMIGRATION/ *ETHNIC GROUPS/ GREECE/ HUMAN/ RICKETS, occurrence/ *SOCIAL ISOLATION

4192. Control of renin secretion. Med J Aust 2:1396, 16 Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ JUXTAGLOMERULAR APPARATUS, secretion/ RECEPTORS, ADRENERGIC/ *RENIN, secretion/ SYMPATHETIC NERVOUS SYSTEM, physiology

4193. Corticosteroid therapy and side effects involving the skin. Med J Aust 2:1220, 25 May 72
*ADRENAL CORTEX HORMONES, adverse effects/ FACIAL DERMATOSES, chemically induced/ HUMAN/ PSORIASIS, chemically induced/ ROSACEA, chemically induced/ *SKIN DISEASES, chemically induced

Med Lett Drugs Ther

4194. Hypoglycemia in adults.
Med Lett Drugs Ther 14:7-8, 4 Feb 72
ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, therapy/ ADULT/ DIET THERAPY/ FASTING/ GLUCOCORTICOIDS, therapeutic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, diagnosis/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, etiology/ HYPOGLYCEMIA, therapy/ LIVER DISEASES, complications/ NEUROLOGIC MANIFESTATIONS/ PANCREATIC NEOPLASMS, complications/ PANCREATIC NEOPLASMS, surgery/ WATER-ELECTROLYTE BALANCE

4195. The management of lye burns of the esophagus.
Med Lett Drugs Ther 14:18-20, 17 Mar 72
ANTI-INFECTIVE AGENTS, therapeutic use/ *BURNS, CHEMICAL/ BURNS, CHEMICAL, diagnosis/ BURNS, CHEMICAL, drug therapy/ *CAUSTICS/ CHILD/ DILATATION/ *ESOPHAGEAL DISEASES, chemically induced/ ESOPHAGEAL DISEASES, diagnosis/ ESOPHAGEAL DISEASES, drug therapy/ ESOPHAGEAL STENOSIS, prevention & control/ ESOPHAGOSCOPY/ *ESOPHAGUS, injuries/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INTUBATION/ LONG TERM CARE/ WOUND INFECTION, prevention & control

4196. Ambiguous genitalia.
Med Lett Drugs Ther 14:20, 17 Mar 72
ADRENOGENITAL SYNDROME, diagnosis/ FEMALE/ *GENITALIA, FEMALE/ *GENITALIA, MALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MALE/ SEX DETERMINATION/ *SEX DIFFERENTIATION DISORDERS/ UROGENITAL SYSTEM, abnormalities

4197. Drugs in pregnancy.
Med Lett Drugs Ther 14:94-6, 8 Dec 72
*ABNORMALITIES, DRUG-INDUCED/ *ABORTION, chemically induced/ ANTIBIOTICS, adverse effects/ ANTICOAGULANTS, adverse effects/ ANTIHISTAMINICS, adverse effects/ ANTIMALARIALS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ BARBITURATES, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ *DRUG ABUSE, complications/ *DRUG THERAPY, adverse effects/ FEMALE/ *FETAL DEATH, chemically induced/ *FETUS, drug effects/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ IODINE ISOTOPES, adverse effects/ NARCOTICS, adverse effects/ PREGNANCY/ PROGESTATIONAL HORMONES, adverse effects/ REVIEW/ THYROID ANTAGONISTS, adverse effects/ VITAMINS, adverse effects

4198. Candicidin for vaginal candidiasis.
Med Lett Drugs Ther 14:86-8, 10 Nov 72
ADMINISTRATION, ORAL/ ANTIBIOTICS, adverse effects/ ANTIBIOTICS, ANTIFUNGAL, administration & dosage/ ANTIBIOTICS, ANTIFUNGAL, adverse effects/ *ANTIBIOTICS, ANTIFUNGAL, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, adverse effects/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MONILIASIS, VULVOVAGINAL, diagnosis/ *MONILIASIS, VULVOVAGINAL, drug therapy/ MONILIASIS, VULVOVAGINAL, etiology/ NYSTATIN, therapeutic use/ OINTMENTS/ PENILE DISEASES, drug therapy/ TABLETS

4199. Oral contraceptives and thromboembolism.
Med Lett Drugs Ther 14:61-2, 18 Aug 72
CLINICAL RESEARCH/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, administration & dosage/ MESTRANOL, adverse effects/ PREGNANCY/ PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, adverse effects/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ REVIEW/ *THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality/ THROMBOPHLEBITIS, chemically induced/ THROMBOPHLEBITIS, mortality

4200. Diagnostic amniocentesis.
Med Lett Drugs Ther 14:53-4, 21 Jul 72
*AMNIOCENTESIS/ AMNIOCENTESIS, adverse effects/ CHROMOSOME ABERRATIONS/ FEMALE/ FETAL DISEASES, etiology/ *HEREDITARY DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ LESCH-NYHAN

SYNDROME, diagnosis/ *METABOLISM, INBORN ERRORS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, etiology/ SEX DETERMINATION/ TIME FACTORS

4201. New drugs for treatment of Paget's disease. Med Lett Drugs Ther 14:23-4, 31 Mar 72
ASPIRIN, therapeutic use/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, therapeutic use/ CORTISONE, adverse effects/ CORTISONE, therapeutic use/ FLUORIDES, administration & dosage/ FLUORIDES, therapeutic use/ HUMAN/ MITHRAMYCIN, adverse effects/ *MITHRAMYCIN, therapeutic use/ OSTEITIS DEFORMANS, diagnosis/ *OSTEITIS DEFORMANS, drug therapy/ REMISSION/ THYROCALCITONIN, adverse effects/ *THYROCALCITONIN, therapeutic use

4202. Flurandrenolide tape. Med Lett Drugs Ther 14:83, 27 Oct 72
COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ *FLURANDRENOLONE, administration & dosage/ FLURANDRENOLONE, adverse effects/ HUMAN/ *OCCLUSIVE DRESSINGS/ OCCLUSIVE DRESSINGS, adverse effects/ *POLYETHYLENES/ SKIN DISEASES, chemically induced/ *SKIN DISEASES, drug therapy/ SKIN DISEASES, etiology

4203. Drugs that cause depression. Med Lett Drugs Ther 14:35-6, 12 May 72
AMPHETAMINE, adverse effects/ *BRAIN, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ *DEPRESSION, chemically induced/ DRUG ABUSE/ *DRUG THERAPY, adverse effects/ FEMALE/ HUMAN/ PHENOTHIAZINE TRANQUILIZERS, adverse effects/ PHENOTHIAZINES, adverse effects/ PREGNANCY/ *PSYCHOSES, TOXIC/ RAUWOLFIA, adverse effects

4204. Lypressin (Diapid) and other drugs for diabetes insipidus. Med Lett Drugs Ther 14:98-9, 22 Dec 72
AEROSOLS/ BLOOD PRESSURE, drug effects/ BREAST, drug effects/ COSTS AND COST ANALYSIS/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ DRUG COMBINATIONS/ DRUG HYPERSENSITIVITY/ FEMALE/ HUMAN/ INTESTINES, drug effects/ NOSE, drug effects/ OXYTOCIN, administration & dosage/ TANNINS/ UTERUS, drug effects/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, adverse effects/ *VASOPRESSIN, therapeutic use/ WATER INTOXICATION, chemically induced

N Engl J Med

4205. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 11-1973. N Engl J Med 288:570-6, 15 Mar 73
AGED/ AUTOPSY/ BONE AND BONES, pathology/ BONE MARROW, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, diagnosis/ *HODGKIN'S DISEASE, pathology/ HUMAN/ KIDNEY FAILURE, ACUTE, complications/ KIDNEY FAILURE, ACUTE, diagnosis/ KIDNEY FAILURE, ACUTE, pathology/ LIVER, pathology/ LYMPH NODES, pathology/ MALE/ SPLEEN, pathology/ TUBERCULOSIS, MILIARY, diagnosis/ WEGENER'S GRANULOMATOSIS, diagnosis

4206. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46-1972. N Engl J Med 287:1033-40, 16 Nov 72
ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, pathology/ AUTOPSY/ CARCINOMA, diagnosis/ *CARCINOMA, pathology/ CASE REPORT/ *CEREBRAL VENTRICLE NEOPLASMS, pathology/ CHILD/ *CHOROID PLEXUS, pathology/ DIAGNOSIS, DIFFERENTIAL/ *EPENDYMOMA, pathology/ GYNECOMASTIA, pathology/ HUMAN/ LUNG NEOPLASMS, pathology/ MALE/ NEOPLASM METASTASIS/ *PUBERTY, PRECOCIOUS, pathology/ PULMONARY EMBOLISM, pathology

4207. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 14-1973. N Engl J Med 288:729-33, 5 Apr 73
AGED/ ANEMIA, APLASTIC, complications/ ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, etiology/ *ANEMIA, APLASTIC, pathology/ BIOPSY, NEEDLE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ THYMOMA, complications/ THYMOMA, diagnosis/ *THYMOMA, pathology/ THYMUS GLAND, pathology/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, diagnosis/ *THYMUS NEOPLASMS, pathology

Nucl Med (Stuttg)

4208. Radioaktivitätsmessungen in Körperorganen. Bericht über eine wissenschaftliche Tagung der Internationalen Atomenergie-Organisation. Nucl Med (Stuttg) 11:203-25, 15 Nov 72 (69 ref.) (Ger)
COMPUTERS, DIGITAL/ DIAGNOSIS, COMPUTER ASSISTED/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC, blood/ IODINE ISOTOPES, DIAGNOSTIC, metabolism/ IRON ISOTOPES, blood/ RADIATION MONITORING/ RADIATION PROTECTION/ *RADIOISOTOPE SCANNING, standards/ REVIEW/ TECHNOLOGY, RADIOLOGIC/ THYROID GLAND, metabolism/ *WHOLE BODY COUNTERS

NZ Med J

4209. New Zealand Committee on Adverse Drug Reactions: seventh annual report. NZ Med J 76:357-64, Nov 72
*ABNORMALITIES, DRUG-INDUCED/ ADOLESCENCE/ ADULT/ AGED/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANESTHESIA, GENERAL, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICOAGULANTS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTIDEPRESSIVE AGENTS, adverse effects/ CHILD/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRAST MEDIA, adverse effects/ *DRUG INTERACTIONS/ *DRUG THERAPY, adverse effects/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SYMPATHOLYTICS, adverse effects/ THROMBOEMBOLISM, chemically induced

Pediatrics

4210. Committee on Drugs: anaphylaxis. Pediatrics 51:136-40, Jan 73
ADRENAL CORTEX HORMONES, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ANAPHYLAXIS, complications/ ANAPHYLAXIS, diagnosis/ ANAPHYLAXIS, drug therapy/ ANAPHYLAXIS, etiology/ *ANAPHYLAXIS, therapy/ ANTIHISTAMINICS, therapeutic use/ EPINEPHRINE, therapeutic use/ FIRST AID/ HUMAN/ INFUSIONS, PARENTERAL/ METARAMINOL, therapeutic use/ OXYGEN INHALATION THERAPY/ TOURNIQUETS

Pharmazie

4211. Deutsches Arzneibuch, 7.Ausgabe, IX. Lieferung. Pharmazie 28:81-4, Feb 73 (Ger)
ALCOHOLS, standards/ AMINO ALCOHOLS, standards/ BARBITURATES, standards/ BLOOD GROUPS/ CARBAMAZEPINE, standards/ CYCLOPENTANE, standards/ DEXAMETHASONE, standards/ DIGITOXIN, standards/ GERMANY, EAST/ GLIBENCLAMIDE, standards/ IMIPRAMINE, standards/ IMMUNE SERUMS, standards/ INDOCYANINE GREEN, standards/ INFUSIONS, PARENTERAL, standards/ MEPHENTERMINE, standards/ MYDRIATICS, standards/ NANDROLONE, standards/ PARASYMPATHOLYTICS, standards/ *PHARMACOPOEIAS/ PHENYLACETATES, standards/ PIPERIDINES, standards/ PROPOXYCAINE, standards/ PROPYLAMINES, standards/ SMALLPOX VACCINE, standards/ STRUCTURE-ACTIVITY RELATIONSHIP/

THYROXINE, standards/
TRIIODOTHYRONINE, standards

Probl Endokrinol (Mosk)

4212. Pamiati S.M. Leĭtesa.
Probl Endokrinol (Mosk) 18:120, Jul-Aug 72 (Rus)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ USSR

4213. Piat'desiat let razvitiia éndokrinologii v SSS.
Probl Endokrinol (Mosk) 18:3-7, Nov-Dec 72 (Rus)
*ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ USSR

Q Med Rev

4214. Geriatrics. Q Med Rev 23:1-23, Jul 72 (20 ref.)
AGED/ *AGING/ ANTICOAGULANTS, therapeutic use/ ARRHYTHMIA, therapy/ ARTERIOSCLEROSIS, therapy/ BRONCHITIS/ *CARDIOVASCULAR DISEASES/ CEREBRAL EMBOLISM AND THROMBOSIS, diagnosis/ CEREBRAL HEMORRHAGE, radiography/ CEREBROVASCULAR DISORDERS, classification/ CEREBROVASCULAR DISORDERS, drug therapy/ CORTISONE, therapeutic use/ EXERCISE THERAPY/ HEART FAILURE, CONGESTIVE, drug therapy/ HEMIPLEGIA, therapy/ HUMAN/ HYPERTENSION, drug therapy/ MYOCARDIAL INFARCT, therapy/ *NERVOUS SYSTEM DISEASES/ PNEUMONIA, ASPIRATION/ PSYCHOSES, ORGANIC, diagnosis/ PSYCHOSES, SENILE, therapy/ PULMONARY EMPHYSEMA/ *RESPIRATORY TRACT DISEASES/ REVIEW

Rev Clin Esp

4215. Fluoruros y sistema óseo.
Rev Clin Esp 127:933-4, 30 Nov 72 (Spa)
*BONE AND BONES, metabolism/ *FLUORIDES, metabolism/ FLUORIDES, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy

A

ABDOMEN: 2741, 2754, 3374, 3892
ABDOMINAL INJURIES: 2115, 2536
ABDOMINAL NEOPLASMS: 1103, 2107, 2111, 3811, 3849
ABDOMINAL WALL: 1103, 1874, 2459
ABDUCENT NERVE: 1511
ABNORMALITIES: 60, 816, 1273, 2812
ABNORMALITIES, DRUG-INDUCED: 465, 572, 994, 1000, 1750, 1900, 2164, 2403, 2747, 2904, 4197, 4209
ABNORMALITIES, MULTIPLE: 208, 315, 372, 528, 672, 808, 820, 936, 1000, 1078, 1187, 1379, 1900, 1997, 2002, 2123, 2164, 2229, 2461, 2491, 2625, 2678-2679, 2820, 2828, 2846, 3068, 3268, 3620, 4105
ABO FACTORS: 2335, 3798, 4091
ABORTION: 60, 419, 655, 663, 1201, 1671, 2128, 2449, 2716, 3189, 3178, 3659, 3787, 3864, 4155, 4197
ABORTION, HABITUAL: 1201, 3229
ABORTION, INDUCED: 73, 152, 242, 516, 544, 775, 777-778, 791, 1001, 1186, 1314, 1505, 1587, 1766, 1843, 2058, 2152, 2280, 2914, 3358, 3372-3373, 3478, 3514, 3937, 4032
ABORTION, LEGAL: 1510, 2280, 3201
ABORTION, MISSED: 1583, 2851
ABORTION, SEPTIC: 1272
ABORTION, THERAPEUTIC: 72, 178, 418, 442, 1002, 1266, 1546-1547, 1583, 1644-1845, 2468, 2611, 2812, 3373
ABORTION, THREATENED: 41, 1828, 1931, 3430, 3778
ABORTION, VETERINARY: 453, 1017
ABSCESS: 1674, 1738, 1913, 2239, 3099, 3597
ABSORPTION: 1099, 1141, 1224, 1313, 3138, 4146
ACADEMIES AND INSTITUTES: 1485, 2476, 2663
ACANTHOSIS NIGRICANS: 208, 508
ACCELERATION: 1499, 3251
ACCIDENTS, INDUSTRIAL: 1763
ACCIDENTS, TRAFFIC: 15, 819
ACCLIMATIZATION: 61, 167, 514, 1441, 2163, 3153, 3895, 3923, 4102
ACETABULUM: 873, 1489, 1798, 3562
ACETALDEHYDE: 1276, 1355, 3455
ACETALS: 3482
ACETAMIDES: 510, 1559, 2293, 3149, 3757
ACETAMINOPHEN: 1067
ACETANILIDE: 973, 3270
ACETATES: 313, 630, 646, 654, 1115, 1278, 1387, 1399, 1581, 1868, 1895, 2033, 2214, 2331, 2372-2374, 2538, 2940, 3018, 3389, 3733
ACETAZOLAMIDE: 988, 1149, 3090, 3330
ACETIC ACIDS: 134, 534, 830, 705, 738, 636, 975, 1034, 1097, 1437, 1927, 2209, 2212, 2525, 2817, 2982, 3689
ACETOACETATES: 854, 2162
ACETOHEXAMIDE: 1801
ACETONE: 1318, 3054, 3278, 3363, 3993
ACETYL COENZYME A: 3271, 3389
ACETYLATION: 1020, 2133, 2197, 2220, 2538, 2548, 2834, 3656, 3689, 3833, 3994
ACETYLCHOLINE: 12, 141, 158, 325, 447, 457, 526, 561, 744, 953, 1230, 1237, 1352, 1355, 1416, 1719-1720, 1696, 1982, 2177, 2300-2301, 2784, 3175, 3475, 3664
ACETYLCHOLINESTERASE: 247, 447, 766, 1097, 1558, 1696, 2177
ACETYLCYSTEINE: 3612
ACETYLESTERASE: 492
ACETYLTRANSFERASES: 148, 3389
ACHILLES TENDON: 1084, 3356
ACHONDROPLASIA: 1261, 1495, 2481, 3562
ACID-BASE EQUILIBRIUM: 52, 577, 1046, 1290, 1613, 3083, 3725
ACID PHOSPHATASE: 271, 492, 519, 992, 1345, 1642, 1776, 1902, 1951, 2026-2027, 2113, 2173, 2226, 2253, 2312, 2471, 2595, 2817, 2995, 3006, 3030, 3097, 3179, 3251, 3409, 3647, 3763, 3902
ACIDOSIS: 52, 124, 681, 1541, 1827, 2159, 2162, 2203, 2332
ACIDOSIS, DIABETIC: 131, 1042, 2231, 2896
ACIDOSIS, RENAL TUBULAR: 2803
ACIDOSIS, RESPIRATORY: 310, 1613
ACIDS: 2452, 3993
ACNE: 743, 692, 1031, 1459, 1620, 2083, 2416, 2931, 3307, 4030
ACOUSTIC NERVE: 257
ACOUSTIC STIMULATION: 2285, 2386
ACRIDINES: 370, 2220, 2566
ACROMEGALY: 98, 140, 607, 624, 847, 1009, 1130, 1388, 1414, 1770, 1772, 2080, 2193, 2246, 2250, 2481, 2511, 2649, 2853, 3384, 3454, 3887, 3928, 4171
ACRYLATES: 3913
ACTIN: 2
ACTINOMYCES: 1014
ACTINOMYCIN: 428, 2237, 2791, 3245
ACTION POTENTIALS: 2, 107, 189, 336, 829, 664, 1122-1123, 1600, 1864, 1934, 2140, 2238, 2300, 2553, 2593, 2828, 2872, 3090, 3578, 3782
ACTIVATION ANALYSIS: 389, 896-897, 1474
ACTOMYOSIN: 1348, 1624, 3036
ACUTE DISEASE: 78, 321, 552, 804, 692, 932, 975, 1089, 1133, 1155, 1342, 1487, 1565, 1589, 1783, 1808, 1840, 1882, 1971, 2044, 2088, 2118, 2331, 2536, 2722, 2786, 2917, 3546, 3572, 3617, 3746, 4018, 4058, 4167
ACYLATION: 1377, 3977
ACYLTRANSFERASES: 209, 1482
ADAPTATION, BIOLOGICAL: 3346
ADAPTATION, PHYSIOLOGICAL: 121, 167, 539, 577, 875, 1075, 1113-1114, 1455, 1762, 1829, 1894, 2510, 2812, 3055, 3233, 3251, 3895, 4041
ADAPTATION, PSYCHOLOGICAL: 1000
ADDISON'S DISEASE: 7, 21, 140, 741, 847, 1129, 1319, 1696, 1781, 1819, 1985, 2318, 2627, 2885, 3214, 3387, 3645, 3733, 3858, 4062, 4072
ADENINE: 860, 1112, 1860, 1952, 2485, 2490, 3219, 3255, 3316-3317, 3818, 3968, 4011
ADENINE NUCLEOTIDES: 636, 1483, 1918, 2020, 2356, 2412, 2482, 3317, 3541, 4046
ADENOCARCINOMA: 75, 269, 278, 303, 562, 655, 942, 1087, 1400-1401, 1545, 1576, 1874, 1683, 1756, 1805, 1824, 1953-1954, 1964, 2227, 2260, 2274, 2280, 2358, 2571, 2867, 2929, 3030, 3108, 3188, 3225, 3246, 3294, 3302, 3437, 3533, 3572, 3577, 3614, 3695, 3722, 3763, 3790, 4084, 4154
ADENOCARCINOMA, PAPILLARY: 3497
ADENOFIBROMA: 3239, 4014
ADENOLYMPHOMA: 906
ADENOMA: 156, 263, 275, 303, 398, 431, 446, 563, 711, 1090, 1148, 1369, 1572, 1585-1586, 1683, 1892, 1742, 1812, 1881, 1913, 1974, 2097, 2193, 2230, 2241, 2383, 2584, 2726, 2853, 2898, 2936, 2973, 3328, 3344, 3597, 3644, 3857, 3919, 4154
ADENOMA, CHROMOPHOBE: 501, 607, 1225, 1713, 2193, 2250, 2417, 3938, 4008
ADENOMA, EOSINOPHILIC: 1414, 2193, 2250
ADENOSINE: 896, 1112, 1646, 1952, 2371, 2485, 3219, 3315-3317, 3387-3388, 3539, 3969, 4046
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE: 11, 19, 85, 77-78, 118, 125, 130, 147, 153, 210, 232, 328, 330, 334, 385, 405, 426, 457, 474, 487, 493, 511, 521, 524, 533, 578, 581, 597, 606, 649, 667, 669, 693, 743, 772, 810, 823, 853-854, 871, 877, 897, 909, 921-922, 930, 958, 1020, 1041, 1054, 1077, 1085, 1112, 1127, 1149-1150, 1161, 1200, 1220, 1227, 1230, 1262, 1276, 1318, 1326, 1338, 1370, 1375, 1377, 1387, 1393, 1452, 1454, 1509, 1554, 1600, 1824, 1633, 1636, 1643, 1646, 1850, 1684, 1702, 1720, 1752, 1788, 1857, 1910-1911, 1917, 1921, 1934, 1946, 1952, 2021, 2069, 2120, 2137, 2170, 2214, 2264, 2281, 2291, 2296, 2310, 2327, 2329-2330, 2350, 2356, 2367, 2371, 2406, 2427, 2438, 2444, 2469-2470, 2482, 2485, 2495, 2513, 2560, 2565, 2587, 2590, 2602-2603, 2630, 2633, 2635, 2644, 2772, 2833, 2897, 2951, 2959, 2961-2962, 2993, 3002, 3012-3013, 3036-3037, 3060, 3064-3065, 3116, 3144, 3163-3164, 3187, 3181, 3209, 3219, 3221, 3247, 3255, 3263, 3275, 3283, 3305, 3315-3317, 3337, 3339, 3364, 3387-3388, 3391, 3409, 3411, 3426, 3451, 3479, 3496, 3520, 3539, 3621, 3647, 3703, 3710, 3766, 3776, 3761, 3785, 3808, 3815-3816, 3822, 3834, 3850, 3955, 3969, 3987, 4001-4002, 4033, 4046, 4063-4064, 4079-4080, 4083, 4087, 4098, 4101, 4120, 4142, 4192
ADENOSINE DIPHOSPHATE: 143, 819, 988, 1077, 1470, 1519, 1636, 1632, 1675, 1918, 2020, 2175, 2186, 2327, 3219, 3305, 3520, 3632, 3808, 3968-3969, 4157
ADENOSINE MONOPHOSPHATE: 147, 474, 968, 1916, 2296, 2327, 2350, 2818, 2959, 3050, 3079, 3212, 3305, 3339, 3364, 3520, 3765, 3815-3816
ADENOSINE TRIPHOSPHATASE: 30, 45, 154, 400, 514, 565, 619, 645, 882, 1113, 1168, 1348, 1624, 1644, 1701, 1791, 1629, 1832, 1942, 1980, 1995, 2011, 2073, 2105, 2143, 2236, 2412, 2495, 2791, 2885, 3036, 3097, 3144, 3330, 3414, 3493, 3549, 3873, 3955, 3964, 4101
ADENOSINE TRIPHOSPHATE: 45, 89, 189, 330, 565, 568, 836, 871, 897, 1077, 1079, 1127, 1377, 1418, 1420, 1470, 1482, 1518, 1554, 1636, 1643-1644, 1701, 1752, 1779, 1791, 1832, 1918, 1979, 2020-2021, 2060, 2188, 2300, 2327, 2350, 2412, 2469, 2721, 2916, 2959, 3048, 3079, 3144, 3248, 3305, 3317, 3320, 3364, 3471, 3632, 3778, 3781, 3785, 3815, 3969, 4063, 4083, 4101, 4157
S-ADENOSYLMETHIONINE: 149
ADENOVIRUS: 3012
ADENOVIRUS INFECTIONS: 3801
ADENYL CYCLASE: 19, 85, 77, 130, 147, 330, 334, 405, 457, 487, 524, 534, 542, 571, 858, 893, 779, 823, 677, 897, 922, 1019-1020, 1100, 1209, 1276, 1370, 1554, 1917, 1929, 1946, 1952, 2020-2021, 2214, 2220, 2224, 2303, 2329, 2565, 2851, 3002, 3012-3013, 3015, 3079, 3114, 3305, 3384, 3387, 3781, 3815, 3822, 3955, 4001-4002, 4101
ADHESIONS: 833, 2964, 3021, 3162, 3861
ADHESIVENESS: 3329
ADIPIC ACID: 1038
ADIPOSE TISSUE: 125, 228, 524, 706, 779, 845, 849, 897, 1043, 1054, 1181, 1214, 1262, 1269, 1276, 1332, 1467, 1598, 1850, 1885, 1875, 1968, 2020-2021, 2032, 2034, 2145, 2859, 2691, 2984, 3024, 3062, 3305, 3307, 3411, 3456, 3517, 3543, 3564, 3594, 3785, 3972, 4022, 4060, 4087, 4098, 4134
ADJUVANTS, IMMUNOLOGIC: 3023, 3136, 3197, 4035
ADMINISTRATION, ORAL: 34, 49, 97, 227, 231, 281, 357, 411, 490, 572, 588, 630, 856, 705, 781-762, 768, 990, 1043, 1153, 1296, 1302, 1480, 1589, 1604, 1667, 1742, 1846, 1889, 2001, 2058, 2095, 2099, 2109, 2157, 2212, 2272, 2384, 2420, 2554, 2601, 2642, 2729, 2740, 2766, 3020, 3168, 3244, 3253, 3260, 3292, 3298, 3370, 3380, 3395, 3440, 3457, 3634-3635, 3728, 3971, 3989, 4006, 4058, 4198
ADNEXA UTERI: 855
ADNEXITIS: 3649
ADOLESCENCE: 42-43, 88, 91-92, 109, 126, 140, 152, 178, 194-195, 235, 237, 248, 250, 260, 263, 275, 278, 283, 292, 318, 323, 328, 331, 359-360, 364, 367, 379, 388, 388, 410, 419, 442, 444, 454, 478, 502, 519, 529, 564, 582-583, 588, 594, 818-617, 828, 643, 655, 878-677, 681, 894, 708, 711-712, 719-720, 726, 733-734, 746, 773, 808, 811, 615, 827, 852, 892-893, 924, 934, 938, 944, 956-957, 972, 977-978, 990, 1021, 1042, 1053, 1088, 1091-1092, 1103, 1109, 1152, 1185, 1184, 1208, 1210, 1212, 1228, 1266, 1278, 1310, 1330, 1365, 1368, 1384, 1406, 1421, 1433, 1453, 1460, 1464, 1479, 1496, 1522, 1524, 1528, 1567, 1580, 1586, 1589-1591, 1812, 1815, 1630, 1652, 1687, 1892, 1898, 1703, 1729, 1746, 1754-1755, 1758, 1792-1793, 1617, 1820, 1840, 1856, 1863, 1878, 1898, 1907, 1913, 1924, 1957, 1959, 1963, 1967, 1994, 1996-1997, 2002, 2010, 2041, 2048, 2071, 2077, 2080, 2093, 2100, 2112, 2134, 2148, 2152, 2158, 2187, 2221, 2234, 2244, 2279, 2309, 2311, 2316, 2325, 2328, 2331, 2349, 2362, 2364-2366, 2405, 2429-2430, 2435, 2468, 2492, 2503, 2512, 2527-2528, 2530-2532, 2536-2537, 2561, 2566, 2581-2582, 2584, 2600, 2604-2605, 2625, 2640, 2649, 2657, 2670, 2878, 2682, 2898, 2702, 2706, 2730, 2733, 2742, 2745, 2765, 2775, 2788, 2830, 2841, 2848, 2849, 2860, 2864, 2902, 2905, 2920, 2935-2936, 2957, 2973, 2981, 3001, 3003, 3017, 3034, 3078, 3087, 3098, 3102, 3110, 3123, 3126, 3131, 3133, 3151, 3169, 3176, 3179, 3187, 3203, 3220, 3228, 3239, 3266, 3269-3270, 3280, 3297, 3308, 3319, 3349, 3353, 3366, 3372, 3407, 3418, 3421, 3432, 3435, 3437, 3440, 3459, 3462, 3466, 3472, 3485, 3489, 3494, 3516-3517, 3535, 3548, 3550, 3554, 3571, 3585, 3601, 3636, 3644, 3650, 3653, 3681, 3666, 3683, 3686, 3695, 3697-3698, 3700, 3707, 3740, 3743, 3746-3747, 3791, 3801, 3813-3814, 3817, 3822-3823, 3837, 3849, 3854, 3858-3860, 3864, 3867, 3872, 3888-3889, 3905, 3920, 3922, 3943, 3950, 3990, 3997, 4055, 4057-4058, 4118, 4116, 4127, 4130, 4154, 4178, 4178, 4184, 4191, 4209
15, 31, 108, 244, 254, 263, 313, 331, 423, 436, 438, 468, 514, 536, 584, 593, 611, 617, 644, 646,

888, 875, 865-688, 688, 757, 790, 615, 881, 940, 1004, 1033, 1055, 1081, 1083, 1097, 1152, 1180, 1194, 1225, 1234, 1270, 1335, 1376, 1484, 1584, 1581, 1830, 1887, 1691, 1709, 1749, 1751, 1801, 1838, 1840, 1888, 1878-1877, 1906, 1923, 1940, 2018, 2076, 2216, 2270, 2328, 2370, 2422, 2455, 2500, 2589, 2813, 2829, 2843, 2732, 2747, 2749, 2768, 2798, 2823, 2838, 2872, 2884, 2911, 2917, 2923, 2942, 2989, 3001, 3013, 3023, 3108, 3125, 3190, 3224, 3226, 3257, 3307, 3337, 3422, 3483, 3470, 3464, 3495, 3547, 3550, 3571, 3595, 3813, 3618, 3645, 3853, 3888, 3879, 3801-3802, 3889, 3922, 3935, 3974, 3992, 4023-4024, 4029, 4113, 4127, 4137, 4187, 4187, 4193, 4210

ADRENAL GLAND DISEASES: 82, 132, 217, 283, 840, 872, 1078, 1108, 1647, 1914, 2013, 2115, 2167, 2248, 2503, 2989, 3286, 3343, 3854, 3893, 3948, 4009, 4050

ADRENAL GLAND HYPERFUNCTION: 7, 83, 263, 446, 551, 940, 1091, 2087, 2171, 2248, 2829, 2767, 2808, 2973, 3853

ADRENAL GLAND HYPOFUNCTION: 633, 688, 738, 1363, 1695, 2231, 2502, 2530, 2685, 3001, 3399, 3592, 4185, 4177, 4194

ADRENAL GLAND NEOPLASMS: 132, 158, 283, 412, 685, 1268, 1572, 1588, 1621, 1896, 1757, 1612, 1984, 1978, 2111, 2115, 2138, 2244, 2248, 2260, 2503, 2549, 2899, 2771, 2973, 3098, 3313, 3344, 3364, 3533, 3572, 3893, 3734, 3849, 3999, 4154, 4159, 4206

ADRENAL GLANDS: 3, 9, 101, 124, 135, 182, 187-188, 270-271, 296, 299, 301, 355, 425, 437, 453, 484, 488, 498, 560, 593, 820, 828, 840, 848, 654, 857-859, 705, 725, 789, 807, 885, 903, 909, 935, 946, 982, 999, 1016, 1045, 1080-1081, 1098, 1128, 1244, 1255, 1268, 1274, 1277, 1319, 1383, 1403, 1409-1410, 1423, 1430, 1441-1442, 1444, 1489, 1482, 1486, 1496, 1503, 1506, 1575, 1819, 1825, 1847, 1853, 1858, 1881, 1891, 1708, 1735, 1749, 1780, 1782, 1789, 1785, 1791, 1799, 1609, 1838, 1847, 1677, 1894, 1908, 1918, 1921, 1938, 1940, 1948, 1984, 1979, 1963, 2045, 2081, 2121, 2180, 2183, 2171, 2187, 2191, 2210, 2232, 2247-2248, 2258, 2287, 2296, 2309, 2312, 2314-2316, 2344, 2357, 2378, 2391, 2408, 2428, 2471, 2475, 2499, 2504, 2511, 2530, 2542, 2558-2580, 2582, 2579-2580, 2597, 2821, 2830, 2681, 2871, 2684-2685, 2891, 2898, 2708, 2713, 2737, 2771, 2760, 2602, 2815, 2823, 2645, 2650, 2859, 2679, 2665-2668, 2896, 2907, 2918, 2919, 2934, 2936-2939, 2970, 2972, 2993, 3010-3011, 3013, 3055, 3059, 3113, 3115, 3127, 3158, 3170, 3173, 3198, 3199, 3222, 3242, 3247-3248, 3251, 3255, 3262, 3276, 3288, 3291, 3300, 3325, 3333, 3337, 3340, 3348, 3383, 3383, 3415, 3422, 3471, 3495, 3496, 3542, 3544, 3549-3550, 3557, 3584, 3806, 3810, 3816, 3625, 3848, 3653-3654, 3885, 3871, 3674, 3680, 3701, 3716, 3737, 3760, 3802, 3837, 3878, 3865, 3946, 3946, 4003, 4024, 4035, 4045, 4050, 4076, 4113, 4119, 4141, 4163

ADRENAL MEDULLA: 30, 226, 859, 755, 617-818, 1355, 1393, 1415, 1442, 1694, 2061, 2216, 2559, 2616, 2721, 2999, 3065, 3091, 3385, 3460, 3721, 3871, 3895, 3911

ADRENALECTOMY: 83, 158, 243, 283, 448, 499, 514, 620, 626, 857, 705, 726, 807, 900, 903, 909, 940, 946, 982, 985, 1142, 1179, 1255, 1291, 1320, 1444, 1496, 1538, 1584, 1619, 1692, 1735, 1765, 1791, 1609, 1699, 1916, 1938, 2041, 2061, 2153, 2156, 2171, 2218, 2247, 2256, 2318, 2347, 2408, 2426, 2443, 2471, 2499, 2558, 2560, 2667, 2760, 2919, 2936, 2973, 2994, 3055, 3085, 3158, 3589, 3563, 3810, 3614, 3645, 3854, 3716, 3721, 3737, 3741, 3638, 3642, 3856, 3868, 4003, 4008, 4035, 4119, 4128, 4129, 4184

ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 903, 1564, 2549, 2891, 2764, 3079, 3647, 3741

ADRENERGIC BETA RECEPTOR AGONISTS: 1686, 2301, 3079

ADRENERGIC BETA RECEPTOR BLOCKADERS: 528, 858, 973, 1564, 1678, 2132, 2891, 2764, 3079, 3270, 3451, 3647, 3673

ADRENOCHROME: 2143, 2824, 3667

ADRENOGENITAL SYNDROME: 716, 1167, 1821, 2336, 2366, 2529, 4196

ADRIAMYCIN: 3216

ADSORPTION: 1089, 1693, 1699, 1927, 2379, 2958, 3103, 4011

ADULT: 15, 33, 38, 41-43, 48, 58-57, 63, 73, 75, 80-81, 85-88, 91-93, 98, 101, 109, 113, 126, 140, 150, 152, 158, 164, 170, 172, 178-179, 184, 191, 194-195, 208, 217, 219, 229, 235-238, 248, 250, 252-253, 258, 281, 263, 274-275, 278, 281, 283, 289-290, 292, 299, 302, 306-307, 313-315, 323, 328, 331-332, 334, 339, 343-344, 360, 382, 384, 368-368, 373, 377, 379, 388, 388, 403, 410, 416, 419, 427, 442, 444, 448, 454, 481, 488, 473, 475, 478, 489-490, 495-496, 502, 528-530, 538, 545-548, 584, 589, 573, 583, 595, 807, 828, 634-635, 648, 855, 888, 868, 676-877, 681, 687, 894, 696-897, 703, 708, 715, 717, 719, 728, 733-734, 741, 746, 756, 759, 777, 760, 765, 795, 799, 604, 609, 614-818, 819, 833-834, 638, 841, 643-844, 652-853, 866, 868, 872-874, 878, 880, 887-866, 892-893, 902, 924, 931-932, 934, 938, 942-944, 952, 954, 958-957, 965, 971-972, 977-978, 981, 990, 997, 999, 1004, 1013, 1021, 1032, 1037, 1040, 1042, 1045, 1050, 1053, 1059-1080, 1062, 1085, 1071, 1073-1074, 1080, 1087-1088, 1091-1092, 1098, 1103, 1109, 1111, 1116, 1120, 1129, 1132-1133, 1135, 1142, 1144, 1146, 1148, 1151-1152, 1182, 1185, 1169-1170, 1178, 1160, 1164, 1190, 1194, 1198, 1199, 1203, 1208, 1212, 1225, 1234, 1247, 1259-1280, 1282, 1288, 1278, 1280-1281, 1284-1285, 1287, 1292, 1295-1298, 1302, 1308, 1310, 1324-1325, 1329, 1334-1335, 1346, 1350, 1381, 1383, 1365, 1368, 1373, 1382, 1386, 1388, 1398, 1417, 1420-1421, 1426, 1428, 1432-1433, 1435-1438, 1443, 1447, 1451-1453, 1455, 1459-1460, 1462, 1464, 1489, 1471, 1473-1474, 1478-1481, 1483, 1499, 1501, 1522-1523, 1528, 1528, 1543, 1549, 1553, 1560, 1584, 1566-1587, 1570, 1572, 1579-1580, 1583, 1588-1587, 1589-1590, 1601, 1607, 1609, 1613-1815, 1630-1831, 1640, 1651-1652, 1654, 1660, 1867, 1682, 1687, 1891-1892, 1898, 1703, 1708, 1723, 1729, 1737-1738, 1742, 1747, 1755-1756, 1763, 1768, 1770, 1772, 1783, 1800, 1808, 1819, 1827, 1830, 1834, 1840, 1849, 1851-1852, 1854, 1856, 1881-1863, 1687, 1876, 1881, 1888, 1888 1890, 1898, 1904, 1906, 1908, 1920, 1922, 1925-1926, 1931, 1952, 1954, 1957, 1959, 1984-1967, 1971-1974, 1981, 1988, 1992-1994, 1996, 2005, 2016, 2018, 2024-2025, 2032, 2041, 2048, 2051, 2061, 2071, 2077-2079, 2082, 2089, 2093, 2100, 2104, 2112, 2115-2118, 2124, 2130, 2134, 2139, 2148, 2152, 2158-2159, 2184-2165, 2176, 2187, 2191-2193, 2205, 2215, 2221, 2234, 2239, 2241, 2244-2245, 2250-2252, 2254-2255, 2260, 2270-2271, 2301-2302, 2309, 2312, 2317-2316, 2320, 2325, 2331, 2334, 2338, 2351-2352, 2359, 2362, 2366, 2368-2369, 2375, 2376, 2390, 2398, 2409, 2413, 2416, 2422, 2429-2431, 2433, 2435, 2440, 2443, 2450, 2457, 2459, 2468, 2483, 2488-2489, 2493, 2498, 2503, 2512, 2514, 2522-2523, 2526-2528, 2530-2531, 2537, 2543, 2545, 2556, 2566, 2568, 2575, 2581-2582, 2584-2585, 2594, 2600-2601, 2604-2605, 2819, 2625, 2634, 2840, 2649-2650, 2657, 2659, 2669-2870, 2672, 2877, 2680, 2682, 2695, 2698-2699, 2702-2703, 2706, 2703, 2710, 2715-2716, 2716, 2726, 2730, 2733, 2737-2738, 2740, 2742, 2752, 2764-2765, 2761, 2788, 2790, 2795, 2799, 2808, 2812, 2816, 2826-2830, 2634, 2839, 2841, 2846, 2849, 2851, 2860-2861, 2864, 2867, 2871, 2873, 2875, 2877, 2865, 2895, 2901-2902, 2905, 2920, 2924, 2932-2933, 2935-2936, 2939, 2956, 2964, 2973, 2975, 2981, 2995, 2998, 3001, 3003, 3022, 3030, 3039-3040, 3049, 3051, 3054, 3066, 3069, 3078, 3086-3087, 3101-3102, 3105, 3107-3108, 3110, 3122, 3125-3128, 3129, 3133, 3146, 3151, 3156, 3168-3169, 3174, 3177, 3179, 3162, 3166, 3197, 3203-3204, 3206, 3213, 3220, 3224, 3228, 3228, 3239, 3246, 3252-3253, 3262, 3264, 3266, 3289-3270, 3272, 3274, 3281, 3294, 3300, 3306-3307, 3312-3313, 3319, 3324, 3343-3345, 3348-3349, 3353, 3355, 3372, 3376, 3384, 3388, 3398, 3406-3407, 3416, 3421-3422, 3428, 3430, 3432-3433, 3437-3441, 3447, 3454, 3459, 3461-3463, 3485, 3476, 3500, 3516, 3519, 3522, 3527, 3532, 3535, 3544, 3546, 3548, 3550, 3554, 3571, 3577, 3585, 3599, 3601, 3614, 3618, 3823, 3625, 3629, 3631, 3636, 3644, 3655 3857, 3660-3661, 3666, 3681, 3686, 3695, 3698, 3707-3708, 3715, 3719, 3726, 3737, 3740, 3743, 3746-3747, 3751, 3787-3768, 3779-3780, 3764, 3791, 3800-3801, 3813, 3817, 3822, 3824, 3835, 3837, 3842, 3849, 3854, 3858-3860, 3864, 3867, 3872, 3875, 3881, 3883, 3835, 3888, 3897, 3905, 3909-3910, 3914, 3920, 3925, 3928, 3932, 3938, 3957, 3982, 3992, 3996, 3999, 4002, 4004-4005, 4009, 4015-4016, 4022, 4029, 4031, 4042, 4049, 4054-4055, 4057-4058, 4065, 4087, 4100, 4109, 4112, 4116, 4118, 4123, 4128, 4129-4130, 4133, 4154, 4157, 4159-4160, 4164, 4186, 4174, 4176, 4178, 4182, 4184, 4187, 4194, 4209

AEROBIOSIS: 509, 1075, 1156, 2356, 3389

AEROMONAS: 1890

AEROSOLS: 209, 726, 1190, 2398, 2660, 2887-2888, 3322, 3334-3335, 3598, 4204

AESCULUS: 900, 3705

AFFECT: 2251, 2384, 3340

AFFECTIVE DISTURBANCES: 222, 4140

AFGHANISTAN: 3003

AFRICA: 2361, 3201

AGAMMAGLOBULINEMIA: 595, 952, 2465, 2912

AGAR: 443, 1685, 2247, 3853

AGE DETERMINATION BY SKELETON: 1228, 2279, 3297

AGE FACTORS: 32, 43, 58, 100, 103, 111, 145, 184, 191, 200-201, 235, 258, 270, 276, 283, 323, 363, 366, 403, 419, 455, 463, 483, 489, 517, 529, 538, 548, 575, 590, 596, 613, 681, 685, 700, 704, 719, 743, 750, 808, 841, 852, 873, 880, 946, 959, 961, 976, 1000, 1025, 1033, 1096, 1116, 1191, 1248, 1289, 1274, 1286, 1303, 1306, 1376, 1404, 1420, 1424, 1426, 1454, 1496, 1550, 1595, 1597, 1603, 1815, 1629, 1722, 1726, 1748, 1755, 1773, 1802, 1641-1842, 1856, 1887, 1918, 1939, 1948, 1953, 2041, 2153, 2158, 2220-2221, 2245, 2260, 2284, 2325, 2341, 2365, 2471, 2475, 2506, 2543, 2545, 2578, 2608, 2625, 2638, 2661-2662, 2684-2685, 2690, 2692, 2898, 2719, 2729, 2775, 2783, 2819, 2830, 2836, 2847, 2861, 2863, 2893, 2917, 2920, 2922, 2937, 2995, 3008, 3032, 3038, 3041, 3072, 3102, 3131, 3142, 3239, 3258, 3280, 3297, 3302, 3308, 3312, 3323, 3354, 3364, 3401, 3468, 3496, 3505, 3517, 3540, 3542, 3587, 3601, 3629, 3650, 3707, 3746-3747, 3789, 3807, 3813, 3827, 3889, 3898, 3908, 3929, 3948, 3992, 4071, 4096, 4108, 4128-4127, 4135, 4153, 4187

AGED: 22, 42, 56, 125-128, 140, 164, 235, 257, 281, 299, 314, 373, 375, 403, 449, 454, 461, 467, 489, 473, 477, 501, 529, 575, 691, 694, 696-697, 704, 708, 719, 726, 733-734, 759, 809, 812, 825, 834, 641, 843-844, 866, 868, 873, 880, 893, 912, 929, 942, 956, 989, 1008, 1013, 1032, 1080, 1087, 1090-1091, 1096, 1101, 1103, 1109, 1116, 1126, 1178, 1180, 1190, 1212, 1247, 1292, 1302, 1346, 1365, 1417, 1435-1436, 1453, 1480-1481, 1550, 1564, 1580, 1586, 1589, 1616, 1687, 1698, 1729, 1742, 1756, 1790, 1630, 1854, 1661, 1681-1883, 1666, 1690, 1698, 1922, 1952, 1954, 1994, 2048, 2066, 2086, 2112, 2116, 2118, 2141, 2146, 2148-2149, 2182, 2176, 2191, 2193, 2205, 2213, 2221, 2241, 2260, 2270, 2325, 2343, 2358, 2369, 2375, 2390, 2407, 2420, 2422, 2429, 2433, 2457, 2459, 2486, 2549, 2581-2582, 2601, 2640, 2650, 2657, 2702, 2708, 2710, 2722, 2733-2734, 2738, 2743, 2750-2751, 2788, 2806, 2829, 2839, 2860, 2867, 2884, 2917, 2922, 2933, 2936, 2945, 2964, 2981, 3003, 3030, 3072, 3074, 3107-3108, 3126, 3129, 3133, 3156, 3203, 3206, 3220, 3228, 3239, 3241, 3246, 3270, 3281, 3345, 3347, 3370, 3376, 3405, 3407, 3428, 3432, 3437, 3454, 3459, 3461-3463, 3465, 3481, 3507, 3533, 3536, 3545, 3576-3577, 3616, 3625, 3629, 3635-3636, 3644, 3686, 3695, 3726, 3747, 3763, 3780, 3801, 3824, 3835, 3851, 3855, 3872, 3881, 3929, 3931, 3938, 3949, 3959, 3983, 3992, 3995, 4060, 4116, 4133, 4176, 4205, 4207, 4209, 4214

AGGLUTINATION: 493, 1740

AGGLUTINATION TESTS: 493, 913, 1656, 1740, 3286

AGGLUTININS: 1948, 2199

AGGRESSION: 47, 260, 294, 614, 838, 961, 1380, 1514, 1912, 2232, 2251, 2529, 2605, 2844, 2893, 3142, 3285, 3794, 3920

AGING: 23, 126, 473, 625, 612, 1039, 1083, 1116, 1250, 1372, 1816, 1687, 2125, 2251, 2425, 2721, 2813, 2836, 2884, 2991, 3243, 3431, 3530, 3652, 3636, 3995, 4214

AGRANULOCYTOSIS: 490, 1670, 1685, 1662, 3986

AGRICULTURE: 2128

AIR: 1299, 3282, 3551

AIR CONDITIONING: 3334, 3492

AIR MICROBIOLOGY: 3228

AIR POLLUTION: 1457, 1687, 3777

AIRWAY OBSTRUCTION: 58, 310, 1190, 3072, 3782, 3810-3811

AIRWAY RESISTANCE: 280, 2398, 3478, 3598, 3762

ALANINE: 26, 120, 649, 1769

ALANINE AMINOTRANSFERASE: 626, 677, 892, 1137, 1960, 2766, 2874, 2928, 3179, 3518, 3541, 3605
ALASKA: 289
ALBINISM: 1463
ALBUMINS: 339, 2565, 2889, 3008
ALBUMINURIA: 1310, 1997
ALCOHOL DRINKING: 354, 733, 1194, 2830, 3944
ALCOHOL, ETHYL: 57, 194, 266, 354, 423, 664, 718, 1194, 1267, 1276, 1299, 1314, 1421, 1753, 1942, 2017, 2067, 2209, 2544, 2568, 2902, 3231, 3282, 3455, 3713, 3799, 3933, 3944, 4096
ALCOHOL, METHYL: 1019, 1516, 2116, 2902, 3993
ALCOHOL OXIDOREDUCTASES: 474, 611, 2055, 2341, 2554, 2902, 3015, 3271, 3363, 3389
ALCOHOL, PROPYL: 2566
ALCOHOLIC INTOXICATION: 3153
ALCOHOLISM: 262, 987, 1177, 1194, 1565, 2104, 2162, 2205, 2551, 2692, 3066, 3854, 3944, 4162
ALCOHOLS: 729, 1156, 1370, 2367, 2539, 3137, 3331, 4076, 4211
ALCOHOLS, BUTYL: 2017, 3276
ALDEHYDE OXIDOREDUCTASES: 1377
ALDEHYDES: 1036, 1127, 1377, 2774, 3299
ALDOLASE: 153, 1960, 2261, 3605
ALDOSTERONE: 52, 154, 175, 423, 435, 646, 687, 711-712, 737, 753, 642, 860, 699, 926, 962, 964, 1021, 1051, 1125, 1166-1167, 1174-1176, 1259, 1274, 1315, 1470, 1647, 1691, 1769, 1791, 1666, 1906, 1916, 2068, 2105, 2106, 2178, 2216, 2233, 2247, 2267, 2380, 2397, 2406, 2450, 2501, 2507, 2511, 2517, 2556, 2661, 2790, 2950, 2994, 3011, 3035, 3059, 3158, 3199, 3204, 3268, 3442, 3458, 3493, 3503, 3771, 3630, 3901, 3916, 3952-3953, 3962, 4003
ALGAE: 2103
ALGAE, GREEN: 2986, 3167
ALKALINE PHOSPHATASE: 66, 66, 305, 490, 497, 519, 545, 663, 720, 627, 692, 949, 969, 1063, 1102, 1143, 1236, 1277, 1337, 1456, 1496, 1520, 1615, 1688, 1776, 1613, 1679, 1902, 1951, 1980, 2011, 2026, 2173, 2261, 2411, 2475, 2570, 2595, 2620, 2738, 2751, 2874, 2945, 3097, 3179, 3229, 3763, 3827, 3902, 3949, 3964, 4144, 4174
ALKALOIDS: 394, 531, 1246, 1355, 3561
ALKALOSIS: 52, 253, 583, 687, 1430
ALKANES: 1156
ALKENES: 969, 1043, 1458, 2681, 3931
ALKYLATING AGENTS: 531, 562, 566, 843, 3935
ALKYLATION: 155, 1156, 2293, 2441, 3028, 3215
ALKYNES: 1327
ALLELES: 976, 2340, 3424
ALLERGENS: 2966, 3335
ALLIED HEALTH PERSONNEL: 1766-1767
ALLOPURINOL: 155, 1091, 3963
ALLOSTERIC REGULATION: 153, 2012, 2350, 2356, 2951, 3339
ALLOXAN: 656
ALLOXAN DIABETES: 1206, 2155, 2319, 2560
ALLYL COMPOUNDS: 97, 2001, 2538-2539
ALOPECIA: 1059, 1368, 1459, 1469, 2124, 3814, 4031, 4131
ALOPECIA AREATA: 10
ALPHA GLOBULIN: 239, 567, 1049, 1601, 2802, 2966, 3433
ALPRENOLOL: 973, 2132
ALTITUDE: 1986, 2477, 3878
ALUMINUM: 676, 3350
ALUMINUM HYDROXIDE GEL: 676
AMANTADINE: 526, 1535, 1556, 3896
AMBENONIUM CHLORIDE: 1097
AMBLYOPIA: 1136
AMBULATORY CARE: 1346
AMBYSTOMA: 702, 4039
AMELOGENESIS: 3665
AMENORRHEA: 91, 302, 306, 315, 388, 485, 615, 1106, 1201, 1206, 1386, 1475, 1590, 1621, 1631, 1651, 1689, 1906, 1967, 2317, 2351, 2489, 2695, 3042, 3292, 3515, 3586, 3683, 3696, 3761, 3864, 4154
AMERICAN MEDICAL ASSOCIATION: 4177
AMERICIUM: 2660, 3009
AMIDES: 243, 562, 1019, 1240, 1977, 2296, 2651, 2915, 3337, 3972, 4035
AMIDOHYDROLASES: 3986
AMILORIDE: 154, 753, 1470
AMINATION: 2060
AMINES: 136, 370, 528, 739, 618, 659, 922, 1426, 1605, 1925, 2040, 3471, 4161
AMINO ACID METABOLISM, INBORN ERRORS: 2099
AMINO ACID SEQUENCE: 130, 311, 615, 669, 765, 1158, 1394, 1429, 1559, 1727, 1930, 2017, 2103, 2197, 2293, 2441, 2623, 3215, 3402, 3680, 3958, 4095
AMINO ACIDS: 74, 179, 201, 256, 262, 295, 408, 415, 438, 531, 558, 649, 654, 656, 679, 689, 755, 765, 767, 970, 1019-1020, 1038, 1158, 1213, 1221, 1237, 1346, 1348, 1401, 1490, 1727, 1760, 1856, 1875, 1941, 2103, 2150, 2264, 2293, 2399, 2404, 2410, 2432, 2441, 2480, 2623, 2658, 2686, 2711, 2962, 3046, 3061, 3089, 3153, 3215, 3234, 3329, 3410, 3415, 3442, 3574, 3680, 3685, 3710, 3735, 3764, 3769, 3816, 3820, 3826, 3942, 3977, 4017, 4095
AMINO ACYL T RNA SYNTHETASES: 201
AMINO ALCOHOLS: 411, 973, 1346, 2132, 3270, 4211
AMINO SUGARS: 767
AMINOACIDURIA, RENAL: 497, 2803
AMINOBENZOIC ACID: 2434, 2624, 3640
AMINOBUTYRIC ACID: 166, 714, 1237, 1719-1720, 2613, 3114, 3426, 3765
AMINOGLUTETHIMIDE: 551, 766, 1749, 2471, 2713
AMINOHIPPURIC ACID: 1265, 2156, 2501
AMINOHYDROLASES: 1646, 3877
AMINOISOBUTYRIC ACID: 649, 1454, 3089, 3480
AMINOLEVULINIC ACID DEHYDRATASE: 3271
AMINOLEVULINIC ACID SYNTHETASE: 967
AMINOPEPTIDASES: 645, 1666, 3215
AMINOPHYLLINE: 694, 1097, 1185, 1393, 1934, 2371, 2644, 3167, 3335, 3606, 4002, 4096, 4210
AMINOPROPIONITRILE: 3764
AMINOPTERIN: 2121
AMINOPYRINE: 1331, 1940
AMINOPYRINE N-DEMETHYLASE: 515
AMINOSALICYLIC ACID: 2368, 2561
AMINOTRANSFERASES: 172, 2560, 3485, 3501
AMITRIPTYLINE: 53, 222, 1712, 3222
AMMONIA: 52, 438, 1277, 1575, 2658
AMMONIA-LYASES: 3263
AMMONIUM CHLORIDE: 307, 1060-1061, 3163
AMMONIUM COMPOUNDS: 510, 714, 636, 930, 3315, 3853, 3936
AMMONIUM SULFATE: 33, 79, 153, 1252, 1320, 1326, 1646, 1686, 1787, 1828, 2426, 2444, 2583, 2633, 2902, 2993, 3005, 3273, 3278, 3532, 3640, 3710, 3765, 3880, 4083
AMNIOCENTESIS: 864, 1289, 1314, 1776, 2812, 3477, 4200
AMNION: 416, 516, 616, 1659, 2624
AMNIOTIC FLUID: 72, 176, 239, 442, 624, 775, 777, 864, 918, 1001, 1266, 1275, 1289, 1547, 1688, 1734, 1776, 1844-1645, 2152, 2263, 2280, 2432, 2557, 2582, 2611, 2799, 3061, 3244, 3372, 3477, 3514, 3725, 4037, 4047
AMOBARBITAL: 1482, 3360
AMPHETAMINE: 526, 701, 1172-1173, 1719, 2060, 2541, 2892, 3499, 3637, 3896, 3911, 3980, 4052, 4203
AMPHIBIA: 371, 1188, 2553, 3111
AMPHOTERICIN B: 1371, 2681, 3943
AMPICILLIN: 475, 694, 3205, 3797, 4085
AMPLIFIERS: 2076
AMPUTATION: 1000, 2041, 2481, 3462, 3575
AMPUTATION, TRAUMATIC: 616
AMYGDALOID BODY: 32, 961, 993, 1382, 1413, 1864, 1942, 1944, 2090, 2235, 2285, 2299, 2386, 2394, 2926, 3121, 3192, 3420, 3643, 3794, 3916
AMYLASE: 76, 204, 690, 2536, 2661, 3101
AMYLOID: 2457, 2944, 3047
AMYLOIDOSIS: 466, 769, 1045, 2333, 2493, 2803, 2944, 3760
AMYOTONIA CONGENITA: 4135
ANABOLIC STEROIDS: 164, 199, 304, 731, 734, 1672, 3812
ANAEROBIOSIS: 509, 1075, 1839, 2012, 2356
ANALEPTICS: 3335, 3468
ANALGESIA: 39, 1068, 1761
ANALGESICS AND ANTIPYRETICS: 52, 274, 458, 1160, 1346, 2876, 3175, 3468, 4035, 4076, 4138, 4209
ANALYSIS OF VARIANCE: 719, 757, 1218, 1903, 1949, 2114, 3011, 3100-3101, 3964, 4024
ANAPHYLAXIS: 771, 1584, 2031, 2042, 2986, 3065, 3598, 3606, 4080, 4210
ANATOMY, REGIONAL: 2741
ANCYLOSTOMA: 1486
ANDROGENS: 49, 74, 220, 389-390, 449, 745, 801, 912, 938, 943, 994, 1047, 1194, 1304, 1336, 1354, 1404, 1407, 1596, 1638, 1672, 1691, 1620, 1847, 1849, 1855, 1890, 2080, 2096, 2117, 2251, 2320, 2326, 2402, 2415, 2460, 2538-2539, 2625, 2631-2632, 2713, 2621, 2834, 2845, 2854, 2693, 2923, 3014, 3185, 3579, 3589, 3666, 3672, 3749, 3922, 3948-3949, 3961, 3994, 4020, 4030-4031, 4143
ANDROSTANES: 63, 161, 225, 246, 264, 297, 304, 411, 449, 938, 1059, 1169, 1302, 1304, 1372, 1576, 1596-1597, 1730, 1760, 1794, 1830, 1637, 1965, 2201, 2416, 2463, 2548, 2631, 2672, 2792, 2902, 3264, 3589, 3621, 3737, 3832, 3957, 3961
ANDROSTENEDIONE: 586, 1749, 2212, 3165, 3234, 3589
ANDROSTENES: 79, 135, 174, 369-390, 449, 586-589, 731, 860, 938, 943, 983-964, 1035, 1059, 1196-1197, 1244, 1404, 1596, 1600, 1916, 2201-2202, 2212, 2322, 2479, 2520, 2538-2539, 2564, 2632, 2834, 2854, 3014, 3138, 3349, 3393, 3569, 3601, 3652, 3892, 3981, 4021
ANDROSTERONE: 94, 161, 174, 562, 660, 936, 1035, 1152, 1234, 1576, 2534, 3961, 4100
ANEMIA: 1056, 1157, 1236, 2486, 2997, 3074, 3762
ANEMIA, APLASTIC: 490, 2004, 2625, 2626, 3740, 3874, 3883, 4207
ANEMIA, HEMOLYTIC: 2223
ANEMIA, HEMOLYTIC, ACQUIRED: 1550, 2124
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 2160, 2967, 3935
ANEMIA, HYPOCHROMIC: 26, 46, 261, 1073, 1450, 3756
ANEMIA, MACROCYTIC: 3756
ANEMIA, PERNICIOUS: 595, 1136, 1935, 3592
ANEMIA, SICKLE CELL: 1177, 3319
ANEMIA, SIDEROBLASTIC: 1768
ANENCEPHALUS: 59-60, 1582, 2089, 2851, 3430
ANESTHESIA: 1664, 2036, 2045, 2790, 3856
ANESTHESIA ADJUVANTS: 2672
ANESTHESIA, CONDUCTION: 974, 1766
ANESTHESIA, DENTAL: 974, 3762
ANESTHESIA, EPIDURAL: 2045, 2255
ANESTHESIA, GENERAL: 125, 177, 264, 674, 1013, 1212, 1501, 1830, 2045, 2165, 2255, 2657, 2865, 3797, 3938, 4168, 4209
ANESTHESIA, INHALATION: 264, 2000, 2256, 2332, 2790, 3270, 3933
ANESTHESIA, INTRATRACHEAL: 2045
ANESTHESIA, INTRAVENOUS: 564, 638, 1613, 2790, 3306, 3636, 3660
ANESTHESIA, LOCAL: 125, 2045, 2347, 2657
ANESTHESIA, OBSTETRICAL: 564, 874, 1563, 1766
ANESTHESIA, SPINAL: 1415, 1583, 4164
ANESTHETICS: 241, 516, 638, 1501, 1864, 2045, 2309, 3306, 3636, 3762
ANESTHETICS, LOCAL: 1097, 3360, 3386, 3462, 3805
ANEUPLOIDY: 346, 1726, 2656, 2676, 2843
ANEURYSM: 109, 785, 1148, 2733
ANGER: 2844
ANGINA PECTORIS: 1637, 2504
ANGIOGRAPHY: 219, 344, 672, 711-712, 765, 665, 947, 1268, 1661, 2041, 2472, 2741, 2746, 2929, 3284, 3533, 3924, 3932
ANGIOKERATOMA CORPORIS DIFFUSUM: 2334, 3925
ANGIOMATOSIS: 2136
ANGIOSARCOMA: 2730, 3938
ANGIOTENSIN: 35, 57, 163, 175, 203, 237-238, 484, 583, 687, 712, 737, 623, 826, 893, 953, 980, 1095, 1165-1167, 1356, 1416, 1416-1419, 1769, 1893, 2216, 2248, 2267, 2337, 2428, 2456, 2507, 2764, 2794, 3025, 3094, 3115, 3120, 3128, 3503, 3879, 3917, 3953, 3962, 4077, 4180
ANGIOTENSIN AMIDE: 2273
ANGIOTENSINASE: 1419, 3879, 3917
ANGUILLA: 167, 514, 1113-1114
ANHYDRIDES: 3977
ANILIDES: 304, 4136
ANILINE COMPOUNDS: 2175, 2243, 3672
ANIMAL COMMUNICATION: 1025
ANIMAL DISEASES: 2596
ANIMAL EXPERIMENTS: 2-6, 6-9, 11-13, 16, 18-20, 23, 25, 29-32, 34-35, 37-40, 44-45, 47-48, 50-55, 61, 64-65, 69, 74, 76-76, 87-89, 96-97, 99-100, 102-104, 106-107, 111-112, 114, 116-117, 119, 121, 124, 127-129, 135-136, 139, 141-143, 145, 147-149, 151, 153-154, 158-159, 163, 166-169, 171, 173-174, 176, 161-163, 185-190, 192, 194-195, 200-201, 204, 207, 212-216, 223, 226, 240-243, 247,

251, 255-258, 285, 287-268, 270-271, 277, 280, 284-288, 291, 293-298, 298, 304, 308, 312, 322, 324-325, 327, 330, 335-338, 341-342, 347-349, 351-354, 356, 371, 378, 378, 382, 384, 389-391, 393-394, 398-397, 399-402, 408, 409, 411, 413, 415, 420-421, 423-428, 428, 430, 438-438, 441, 443, 445, 447, 450-453, 458-457, 459, 483-464, 470, 479-481, 483-484, 487-488, 491, 498-500, 504-508, 508, 512-515, 517-518, 520, 523-525, 527, 529, 531, 533-534, 540, 542-543, 547, 549, 553, 558, 558-562, 585, 588, 571-572, 574, 578, 578-581, 587, 589, 591, 593, 598-598, 801, 803-804, 608-807, 809-611, 813-815, 819-821, 823, 828-827, 829-631, 638, 838-841, 844-847, 849-850, 852-854, 857-681, 863-684, 867, 889-871, 873-874, 678-680, 682-683, 888, 890, 898-899, 701-703, 705-707, 709-710, 713-714, 716, 721, 723, 725, 732, 735, 739-740, 742-745, 747-748, 750-753, 755, 760-762, 785-766, 789, 771, 775, 779, 781-784, 788, 789-790, 792-794, 798-798, 801-803, 805-807, 813, 817-818, 822-824, 828-830, 832, 838-837, 839-840, 845, 849, 853-855, 858, 882-883, 885, 887, 889, 871, 875-676, 881-884, 889, 891, 895, 897-898, 900-901, 903, 908-910, 913-914, 921-922, 928, 932, 937-941, 945-946, 948, 950-951, 953, 955, 959, 981-984, 987-970, 978, 978-960, 982-964, 987-988, 992-998, 998, 1005, 1010-1012, 1015-1020, 1024-1025, 1027, 1033, 1035-1036, 1038-1039, 1041, 1043, 1047, 1049, 1052, 1054, 1061, 1063-1064, 1087-1070, 1072, 1078, 1079, 1082-1083, 1088, 1094-1095, 1098-1099, 1102, 1105, 1110, 1113-1115, 1118-1119, 1123, 1127-1128, 1131, 1137-1139, 1141, 1143, 1147, 1149, 1153, 1156, 1159
1181, 1183-1164, 1168-1169, 1172-1178, 1181-1183, 1188, 1189, 1191-1193, 1197-1198, 1200, 1202-1203, 1208-1207, 1209, 1213, 1215, 1217, 1219-1220, 1227, 1230, 1232-1233, 1235, 1237, 1239, 1241-1244, 1248, 1249-1251, 1255-1257, 1285, 1287, 1289-1270, 1273-1274, 1278-1277, 1282-1283, 1288, 1291, 1298, 1300-1301, 1303-1307, 1313, 1317-1318, 1320-1321, 1328-1328, 1331-1332, 1337-1341, 1343, 1345, 1348-1350, 1352, 1354-1358, 1358-1380, 1382, 1384, 1388-1387, 1370, 1378, 1378, 1380-1381, 1383, 1387, 1389, 1391-1394, 1397-1405, 1407-1410, 1412-1413, 1415-1418, 1418-1419, 1424-1425, 1431, 1440-1441, 1444-1448, 1448-1449, 1454-1455, 1457, 1459, 1485-1467, 1470, 1478, 1482, 1484, 1488, 1488, 1490, 1498, 1500, 1502-1504, 1508, 1508, 1511, 1514, 1516-1520, 1525, 1529-1531, 1534-1538, 1541, 1548, 1551, 1554-1558, 1581-1583, 1585, 1589, 1573-1578, 1584, 1592-1593, 1595-1600, 1602-1806, 1808, 1810-1811, 1818-1817, 1819, 1823-1824, 1827-1826, 1833, 1838, 1839, 1842-1648, 1853, 1857-1859, 1881-1683, 1885, 1873, 1879-1681, 1693, 1700-1702, 1704, 1707, 1710, 1712-1717, 1719-1721, 1724-1728, 1730-1733, 1735, 1740, 1743-1744, 1749-1750, 1753, 1759-1782, 1784-1765, 1787, 1789, 1771, 1773-1775, 1777-1779, 1782, 1784-1789, 1791, 1795-1797, 1799, 1806, 1809, 1818, 1818, 1821-1823, 1825, 1829, 1831, 1838, 1841-1842, 1845, 1848, 1850, 1858-1880, 1864-1885, 1868-1873, 1875, 1880, 1884-1885, 1892-1894, 1898-1897, 1899, 1902-1903, 1909, 1911-1912, 1915-1918, 1918, 1921, 1929, 1932, 1934, 1938-1942, 1944, 1948-1947, 1949, 1951, 1956, 1980-1961, 1968-1970, 1975, 1977-1980, 1983, 1968-1987, 1995, 2000-2001, 2007-2008, 2011-2012, 2014-2015, 2019-2021, 2023, 2026-2027, 2030-2031, 2033-2036, 2039, 2042-2043, 2050, 2052-2054, 2057-2058, 2080, 2062-2065, 2067-2068, 2070, 2072-2075, 2081, 2085, 2088, 2090-2091, 2095, 2101-2102, 2105-2106, 2109-2110, 2113-2114, 2117, 2121-2122, 2125, 2129, 2133-2135, 2140, 2142-2145, 2149-2151, 2153-2157, 2160-2161, 2183, 2186-2167, 2169
2172-2173, 2175, 2177-2179, 2181-2162, 2165-2166, 2188, 2195-2196, 2198, 2201, 2203, 2206, 2208-2212, 2216-2217, 2219-2220, 2225-2228, 2231-2232, 2235-2236, 2238, 2240, 2243, 2247, 2249, 2251, 2256-2257, 2259, 2262-2264, 2267-2268, 2272-2276, 2283-2288, 2290, 2292, 2294, 2296-2297, 2299-2300, 2303-2304, 2307-2306, 2310, 2313, 2315, 2319, 2321-2324, 2326, 2329-2330, 2332, 2339-2341, 2344-2348, 2350, 2353-2355, 2357, 2360-2361, 2367, 2370-2374, 2376-2377, 2379, 2382, 2385-2388, 2389, 2391-2393, 2395, 2397, 2399, 2402, 2406, 2408, 2411-2412, 2414, 2416, 2421, 2423, 2425-2428, 2432-2434, 2437-2438, 2442, 2444, 2451, 2453, 2456, 2458, 2460, 2489, 2471, 2473-2475, 2476, 2480, 2488, 2490, 2497, 2499, 2501, 2505-2506, 2508, 2510, 2513, 2516-2522, 2524-2525, 2528, 2534, 2541, 2544, 2546, 2551-2554, 2558, 2560, 2562, 2585, 2568-2589, 2573-2574, 2576-2580, 2586-2587, 2589, 2592-2593, 2595-2598, 2599, 2802-2803, 2606-2607, 2609-2810, 2612, 2614-2815, 2617, 2821-2823, 2826-2628, 2630-2632, 2636-2637, 2639, 2641-2642, 2644-2648, 2851-2653, 2858, 2660, 2664-2666, 2668, 2871, 2673-2674, 2681, 2683, 2688-2687, 2689-2691, 2893-2894, 2698, 2701, 2704-2705, 2707, 2709, 2711, 2713-2714, 2717, 2721, 2724, 2727, 2729, 2732, 2735-2736, 2739, 2746, 2749, 2753-2756, 2758, 2760, 2762, 2768, 2770, 2772-2774, 2778-2777, 2779-2780, 2783-2784, 2787, 2769, 2791-2793, 2798, 2800-2802, 2805, 2807, 2810-2811, 2813-2815, 2817-2819, 2821, 2823, 2825, 2831, 2835-2836, 2840, 2844, 2847, 2850, 2854, 2856-2857, 2882-2863, 2885-2870, 2876, 2878, 2861-2882, 2864, 2886-2893, 2903, 2907-2908, 2911, 2913, 2916, 2919, 2921, 2923, 2925-2927, 2930, 2937-2938, 2941, 2944, 2948, 2949-2953, 2955, 2959, 2963, 2965-2966, 2968-2969, 2571-2972, 2978-2980, 2982-2986, 2990-2994, 2996, 2999-3000, 3002-3006, 3008, 3010-3011, 3014, 3019, 3027, 3029, 3031-3033, 3036-3038, 3040-3041, 3046-3048, 3055-3059, 3062-3063, 3065, 3067, 3070, 3075-3077, 3079, 3085, 3090-3091, 3093, 3095-3096, 3100 3103-3104, 3109, 3111, 3113-3117, 3120-3121, 3124, 3127-3128, 3132, 3134-3136, 3140, 3142-3143, 3145, 3147-3150, 3153-3154, 3157-3158, 3160, 3170-3171, 3173, 3175, 3160-3161, 3184-3168, 3168-3194, 3196, 3199, 3202, 3208-3210, 3212, 3221-3222, 3225, 3230-3236, 3238, 3242-3245, 3248-3249, 3251, 3254-3260, 3265, 3267, 3271, 3276-3278, 3282-3283, 3285-3288, 3290, 3298-3299, 3304-3305, 3309-3310, 3315-3318, 3320-3321, 3325, 3329-3333, 3338-3340, 3350-3352, 3357-3358, 3360, 3362-3365, 3368-3369, 3371, 3374-3375, 3379-3383, 3385-3388, 3391, 3393, 3395-3396, 3398, 3400-3401, 3407, 3409-3415, 3417, 3419, 3424-3428, 3431, 3444-3448, 3449, 3451-3453, 3455-3457, 3487, 3469, 3471, 3473, 3475, 3486-3487, 3491, 3493, 3495-3499, 3501, 3504-3506, 3509-3513, 3517, 3529-3531, 3538, 3542-3543, 3549, 3551-3553, 3555, 3557-3558, 3560-3561, 3563-3565, 3568-3570, 3574, 3576-3583, 3589-3591, 3593, 3596, 3598, 3602-3605, 3607-3611, 3815, 3617, 3621-3622, 3624, 3827-3628, 3630, 3632-3634, 3637-3639, 3641-3643, 3845, 3647-3648, 3852, 3658, 3662-3664, 3667, 3689-3674, 3877-3678, 3680, 3682, 3684-3685, 3688-3693, 3701-3702, 3705, 3709-3713, 3716-3718, 3720-3721, 3723-3724, 3727, 3729-3732, 3734-3736, 3739, 3741-3742, 3748-3750, 3752-3753, 3757-3758, 3760, 3764, 3766, 3773-3774, 3777, 3781-3782, 3785-3789, 3793-3794, 3796-3797, 3799, 3802-3807, 3819, 3821, 3825-3828, 3834, 3836, 3838, 3843-3844, 3846-3848, 3850, 3852-3853, 3881, 3863, 3865-3866, 3868-3889, 3871, 3873, 3877-3878, 3884, 3889-3890, 3892-3896, 3898, 3900-3903, 3906-3907, 3911-3913, 3915, 3917-3919, 3922-3923, 3928, 3930, 3936, 3939, 3941-3942, 3944-3946, 3948, 3953-3955, 3958, 3964-3966, 3970, 3972, 3974-3976, 3978, 3980-3981, 3984-3985, 3988-3989, 3991, 3993-3994, 4000-4001, 4003, 4013, 4015, 4017, 4019-4021, 4024, 4027, 4035, 4039, 4043-4045, 4048, 4051-4053, 4059, 4061, 4063, 4066-4071, 4074-4079, 4082-4083, 4088, 4088-4090, 4092, 4094, 4096-4099, 4102, 4104, 4106-4108, 4110-4111, 4113-4115, 4119 4120-4122, 4124-4125, 4136, 4138-4139, 4141, 4143-4144, 4147-4150, 4152, 4155, 4158, 4161, 4168-4169, 4173, 4179, 4192
ANIMAL FEED: 543, 647, 671, 798, 959, 1412, 1529, 2074, 2592, 2596, 2648, 2984, 3116, 3160
ANIMAL NUTRITION: 121, 200, 415, 420-421, 601, 613, 647, 671, 798, 858, 963, 1017-1016, 1270, 1467, 1714, 2074, 2090, 2125, 2145, 2354, 2437, 2560, 2606, 2754, 2810, 2984, 3413, 3677, 3684, 4094, 4107, 4121, 4144
ANIMALS, LABORATORY: 884, 2114
ANIMALS, NEWBORN: 23, 100, 146, 151, 212, 397, 420-421, 453, 483, 647, 649, 669, 682, 710, 747, 807, 1033, 1274, 1286, 1366, 1424, 1445, 1707, 1771, 1795, 1658, 1692, 1939, 1949, 2053, 2101, 2125, 2232, 2283, 2297, 2475, 2572, 2606, 2653, 2721, 2779, 2813, 2854, 2863, 2930, 3100, 3154, 3258, 3283, 3298, 3368, 3374, 3496, 3506, 3542, 3662-3663, 3788, 3796, 3804, 3807, 3948, 3973, 4088, 4107, 4121
ANIMALS, ZOO: 4152
ANISOLES: 286, 901, 1753, 2142, 2209, 3231, 3713, 4096
ANKLE: 369
ANKYLOSIS: 3432
ANNELIDA: 1198, 1237, 2753
ANOREXIA NERVOSA: 140, 283, 687, 815, 1696, 2629
ANOSMIA: 1652, 3055, 4130
ANOXEMIA: 503, 2270, 2722
ANOXIA: 6, 44, 58, 904, 1218, 1605, 1783, 2165, 2332, 2376, 2647, 2737, 3052, 3609, 3611, 3632
ANTACIDS: 2915, 3237
ANTERIOR CHAMBER: 951
ANTHELMINTICS: 304, 2282, 2604, 2742
ANTHRANILIC ACID: 35, 64
ANTHRAX: 998
ANTHROPOLOGY, PHYSICAL: 4176
ANTHROPOMETRY: 1798, 2381, 3602
ANTI-ANTIBODIES: 980, 3211, 3716, 3858
ANTIBIOTICS: 52, 76, 244, 274, 363, 430, 438, 458, 531, 617, 632, 685, 746, 874, 904, 1016, 1057, 1088, 1097, 1325, 1529, 1890, 2084, 2186, 2531, 2681, 2747, 2917, 3228, 3468, 3810, 3935, 3992, 4197-4198, 4209
ANTIBIOTICS, ANTIFUNGAL: 1371, 2569, 4198
ANTIBIOTICS, ANTINEOPLASTIC: 220, 566, 2833
ANTIBODIES: 59, 203, 329, 370, 414, 628, 732, 980, 1170, 1315, 1378, 1855, 1731, 1748, 1927, 2037, 2169, 2233, 2320, 2380, 2391, 2506, 2907, 3211, 3265, 3310, 3546, 3592, 3709, 3740, 3798, 3822, 3874, 3921, 3957, 3973, 4061, 4079, 4093
ANTIBODIES, BACTERIAL: 913, 952
ANTIBODIES, HETEROTYPIC: 345
ANTIBODIES, VIRAL: 948
ANTIBODY DISSOCIATION: 203
ANTIBODY FORMATION: 19, 239, 370, 933, 948, 952, 980, 1069, 1236, 1286, 1490, 1606, 1695, 1776, 2219, 2228, 2391, 2506, 2509, 2683, 2837, 2988, 3197, 3267, 3532, 3615, 3921, 4025, 4028
ANTIBODY PRODUCING CELLS: 1895
ANTIBODY SPECIFICITY: 345, 370, 460, 523, 530, 732, 834, 1077, 1378, 1437, 1549, 1574, 1731, 1748, 1935, 2049, 2180, 2269, 2320, 2958, 3186, 3343, 3737, 3921, 3957, 4028, 4109
ANTICHOLESTEREMIC AGENTS: 3564, 4094, 4174
ANTICOAGULANTS: 1103, 2041, 2747, 2798, 3969, 4197, 4209, 4214
ANTICONVULSANTS: 133, 1434, 2207, 3071, 3468, 4209
ANTIDEPRESSIVE AGENTS: 53, 465, 1712, 2513, 2897, 3222, 3468, 4209
ANTIDIABETICS: 2747, 2798, 3291
ANTIDOTES: 897
ANTIEMETICS: 3162
ANTIGEN-ANTIBODY COMPLEX: 184, 1236, 1614, 1927, 2602, 2878, 3136, 3176, 3325, 3863, 3957
ANTIGEN-ANTIBODY REACTIONS: 531, 569, 996, 1069, 1437, 1551, 2053, 2395, 2880, 3064, 3211, 3598, 3613, 3852
ANTIGENIC DETERMINANTS: 164, 554, 1069, 1695, 2375, 2525, 2586
ANTIGENS: 146, 184, 522, 569, 732, 771, 855, 1402, 1490, 1695, 2042, 2053, 2102, 2552, 3008, 3086, 3136, 3197, 3836, 3957, 4025, 4079-4080
ANTIGENS, BACTERIAL: 952, 1067, 2992
ANTIGENS, FUNGAL: 3943
ANTIGENS, NEOPLASM: 622, 1545, 2087, 2298, 3947
ANTIHISTAMINICS: 177, 244, 274, 325, 526, 685, 1251, 1584, 1648, 1712, 1982, 2303, 2455, 2602, 2810, 3315-3316, 3334, 3468, 3805, 3969, 4197, 4210
ANTIHYPERTENSIVE AGENTS: 1103, 1977, 2788, 3269
ANTI-INFECTIVE AGENTS: 2613, 3355, 4195
ANTI-INFECTIVE AGENTS, LOCAL: 244
ANTI-INFLAMMATORY AGENTS: 274, 630, 705, 757, 1246, 1349, 1990, 2498, 2769, 2919, 3667, 3969, 4035
ANTI-INFLAMMATORY AGENTS, TOPICAL: 738, 1635
ANTILIPEMIC AGENTS: 969
ANTILYMPHOCYTE SERUM: 146, 531, 675, 1610, 2219, 2237, 2992, 3023, 3157, 3613, 3935
ANTIMALARIALS: 4197
ANTIMETABOLITES: 566, 750, 1103, 3935, 4187
ANTIMYCIN A: 1644
ANTINEOPLASTIC AGENTS: 164, 274, 455, 537, 550, 562, 566, 763, 1057, 1139-1140, 1171, 1199, 1236, 1240, 1534, 1564, 1840, 1862, 1690, 1926, 2039, 2138, 2183, 2237, 2245, 2330, 2697, 2699, 2702, 2747, 2809, 2841, 2912, 2980-2981, 3023, 3165, 3197, 3216, 3465, 3613, 3626, 3695, 4145, 4197

ANTINUCLEAR FACTORS: 345, 917, 1096, 2433, 3408, 3874
ANTIOXIDANTS: 1529, 1921
ANTIPARKINSON DRUGS: 526, 1720
ANTIPROTOZOAL AGENTS: 1529
ANTIPYRINE: 714
ANTISTREPTOLYSIN: 2986
ANTITHROMBIN: 4156
ANTITOXINS: 2170, 4044
ANTITUBERCULAR AGENTS: 1261, 2359, 2798
ANTIVENINS: 2942
ANTIVIRAL AGENTS: 1660
ANURIA: 594, 971, 1957, 4133
ANUS DISEASES: 3072
ANXIETY: 2059, 2605, 3321, 3733
AORTA: 65, 132, 1159, 2645, 2729, 2762, 2793, 2985, 3761, 3869
AORTA, ABDOMINAL: 13, 403, 672, 3264
AORTA, THORACIC: 561, 3105, 3511
AORTIC ARCH SYNDROMES: 3386
AORTIC COARCTATION: 132, 1258
AORTIC DISEASES: 536, 2754, 3500
AORTOGRAPHY: 132, 665, 1661, 2136, 2909, 3069, 3105
APATITES: 1014, 2576
APES: 3166
APGAR SCORE: 272, 1266, 3052, 3376, 3523, 3725, 4037
APHASIA: 2703, 3326
APOMORPHINE: 526, 735
APOPROTEINS: 1727
APPENDECTOMY: 2795, 3072
APPENDICEAL NEOPLASMS: 1007
APPENDICITIS: 21, 2526, 3367
APPETITE: 1735, 2145, 4070, 4113
APPETITE DISORDERS: 701, 1561, 1696, 3593, 3809
APPETITE REGULATION: 701, 1898, 1735, 2034, 2090, 2437, 2562, 2610, 3966
APPETITIVE BEHAVIOR: 1771
AQUEOUS HUMOR: 1963, 2149, 3079, 3323
ARABINOSE: 1099, 1860, 2482, 2635
ARACHIDONIC ACID: 505, 2179, 3033, 3175, 3584, 3667, 3677, 3840
ARACHNIDISM: 277
ARACHNODACTYLY: 619, 1281, 1330
ARECOLINE: 867
ARGENTINA: 999
ARGINASE: 176, 1277, 3271, 4064
ARGININE: 176, 201, 476, 545, 566, 619, 649, 1208, 1559, 1612, 1929, 2063, 2448, 2512, 2623, 2764, 2962, 3176, 3208, 3221, 3442, 3972, 4002
ARIZONA: 2542
ARM: 372, 519, 816, 2176, 2424, 3173, 3448
ARNOLD-CHIARI DEFORMITY: 3938
AROUSAL: 725, 1744, 2251, 3121, 3960
ARRHENOBLASTOMA: 429, 1489, 1638, 3831
ARRHYTHMIA: 225, 363, 651, 1291, 1637, 1654, 1627, 3270, 3344, 3928, 4214
ARSENIC: 4051
ARSENICALS: 2282
ARTERIAL OCCLUSIVE DISEASES: 4158
ARTERIES: 111, 703, 812, 1347, 1471, 1494, 2041, 2741, 3561, 3661
ARTERIOSCLEROSIS: 704, 1121, 1159, 1550, 1610, 1704, 2041, 2377, 2504, 2519, 2754, 2768, 2782, 3386, 3648, 3668, 3854, 3924, 4214
ARTERIOSCLEROSIS OBLITERANS: 2420
ARTERIOVENOUS FISTULA: 1654, 2852, 3817
ARTERITIS: 1751, 3813
ARTHRITIS: 321, 1248, 3190, 3432, 3846, 4035
ARTHRITIS, INFECTIOUS: 475, 1385, 1883, 3319
ARTHRITIS, JUVENILE RHEUMATOID: 3001
ARTHRITIS, RHEUMATOID: 165, 1177, 1560, 1883, 2519, 2533, 3432, 3587, 3935
ARTHROBACTER: 3263
ARTHRODESIS: 468
ARTHROPATHY, NEUROGENIC: 468, 1883
ARTHROPLASTY: 673, 1883, 2600
ARTHUS PHENOMENON: 1472
ARTIFICIAL LIMBS: 1000
ARTIODACTYLA: 996, 1671-1872
ASCARIASIS: 2742
ASCARIS: 1486, 3689
ASCITES: 175, 844, 1194, 1769, 2259, 3438, 3761, 3996
ASCITIC FLUID: 1624, 2259, 2501, 3631, 3849, 3943, 3984
ASCOMYCETES: 1780
ASCORBIC ACID: 20, 49, 1592, 1594, 1921, 2050, 2175, 2475, 3237, 3251, 3627, 3995
ASIA: 720, 1615
ASIA, SOUTHEASTERN: 3003
ASPARAGINASE: 131, 160, 721, 1155, 3023, 3216, 3769
ASPARAGINE: 721, 2103, 2519
ASPARTATE AMINOTRANSFERASE: 68, 238, 626, 677, 892, 989, 1137, 1417, 1960, 2261, 2395, 2500, 2766, 2874, 2926, 2951, 3179, 3296, 3541, 3605
ASPARTATE CARBAMOYL TRANSFERASE: 3966
ASPARTIC ACID: 721, 930, 2103, 3680
ASPERGILLOSIS: 2531
ASPERGILLUS: 246, 3228, 4046
ASPERGILLUS FUMIGATUS: 569
ASPHYXIA NEONATORUM: 310, 3443
ASPIRATION: 564, 1766, 2545
ASPIRIN: 34, 498, 549, 630, 1160, 1267, 1307, 1349, 1448, 1472, 1519, 1586, 2602, 2642, 2816, 3090, 3371, 3667, 3968-3969, 4201
ASTHENIA: 929, 3043
ASTHMA: 42, 217, 225, 569, 582, 685, 921, 1057, 1080, 1190, 1745, 1666, 1887, 2087, 2398, 2559, 3295, 3335, 3478, 3485, 3950
ASTROCYTOMA: 138, 299, 2291, 2364, 2730, 3296, 3775
ATAXIA: 1654, 1925
ATAXIA TELANGIECTASIA: 952, 2826
ATELECTASIS: 3443
ATLAS: 3722
ATMOSPHERE EXPOSURE CHAMBERS: 1966
ATMOSPHERIC PRESSURE: 2271
ATOMIC WARFARE: 2483
ATROPHY: 54, 358, 715, 635, 1575, 2864, 2931, 2969, 3307, 3314, 3571-3572, 4179
ATROPINE: 564, 651, 739, 744, 661, 921, 953, 1097, 1230, 1338, 1409, 1694, 2198, 2672, 2790, 2676, 3419, 3664, 3988
ATTENTION: 2737, 3513
ATTITUDE: 276, 419, 477, 3416
ATTITUDE OF HEALTH PERSONNEL: 2532, 3937
ATTITUDE TO HEALTH: 4191
AUDIOMETRY: 2703, 3905
AUDITORY PERCEPTION: 3794
AURICULAR FIBRILLATION: 1342
AURICULAR FLUTTER: 3252
AUROTHIOGLUCOSE: 2145
AUSTRALIA: 2200, 2419, 4191
AUSTRALIA ANTIGEN: 2218, 2588, 2637, 4025
AUSTRIA: 1954
AUTISM, EARLY INFANTILE: 2336
AUTOANALYSIS: 161, 724, 1006, 1213, 2103, 3215
AUTOANTIBODIES: 164, 345, 595, 644, 748, 834, 858, 1096, 1224, 1238, 1550, 2160, 2333, 2433, 2509, 2656, 2698, 2987, 3211, 3408, 3592, 3837, 4015, 4090
AUTOANTIGENS: 164, 1323, 3136
AUTOIMMUNE DISEASES: 595, 715, 746, 634, 919, 1402, 1654, 1806, 2160, 2433, 2509, 2974, 3166, 3436, 3592, 3767, 3837, 3858, 3973, 4090
AUTOLYSIS: 1401
AUTOMATIC DATA PROCESSING: 1579, 3443
AUTONOMIC DRUGS: 921
AUTONOMIC DYSFUNCTION: 580
AUTONOMIC FIBERS, POSTGANGLIONIC: 64, 1219
AUTONOMIC NERVE BLOCK: 3462
AUTONOMIC NERVOUS SYSTEM: 247, 713, 1144, 2684, 3287
AUTOPSY: 58-60, 208, 857, 1045, 1106, 1208, 1319, 1495, 1713, 1793, 1817, 1991, 2190, 2531, 2551, 2555, 2706, 2910, 3066, 3068, 3431, 3454, 3500, 3855, 3780, 4182, 4205-4206
AUTORADIOGRAPHY: 164, 296, 371, 401, 481, 879, 883-884, 945, 950, 962, 1205, 1207, 1239, 1362, 1644, 1702, 1732, 1618, 1955, 2010, 2014-2015, 2054, 2102, 2109, 2195, 2293, 2299, 2370, 2447, 2723, 2827, 3060, 3157, 3236, 3290, 3391, 3527, 3602, 3612, 3870, 3730, 3735, 3739, 3821, 3885, 3903, 3936, 3970, 3978, 4083, 4106, 4115, 4128, 4143, 4175
AUTOSOME ABNORMALITIES: 599, 1065, 1201, 1297, 1363, 2461, 2757, 2858, 3294, 3887
AVIAN LEUKOSIS: 3157
AVIATION MEDICINE: 3346
AVITAMINOSIS: 1273, 1873, 3758, 3995
AVOIDANCE LEARNING: 127, 312, 725, 1255, 1380, 1707, 1744, 2285, 2613, 2882, 3965-3966, 3980
AXILLA: 715
AXONS: 25, 169, 335, 399, 1169, 1196, 1776, 1616, 1943, 2348, 3804
AXOPLASMIC FLOW: 1169, 1777
AZA COMPOUNDS: 3016
AZACYTIDINE: 658
AZAGUANINE: 660, 2563
AZASERINE: 2237, 2296
AZATHIOPRINE: 146-147, 216, 337, 623, 675, 708, 715, 634, 666-867, 907, 1053, 1316, 1323, 1417, 1436, 1528, 1610, 1622, 2237, 2405, 2465, 2500, 2509, 2769, 2627, 2837, 2967, 3312, 3435, 3555, 3779, 4015, 4091, 4167
AZAURACIL: 120
AZIDES: 565, 2214, 3016, 3080
AZO COMPOUNDS: 2969
AZOLES: 762
AZOTOBACTER: 930
BABOONS: 135, 161, 996, 1645, 2460, 3756, 3946
BACILLUS MEGATERIUM: 767
BACKACHE: 2331, 4164
BACTERIA: 2050, 2103, 2979, 3106, 3992
BACTERIAL INFECTIONS: 244
BACTERIAL PROTEINS: 767, 1807, 3275
BACTERIOLOGICAL TECHNICS: 767, 1272, 3615, 3639, 3853
BACTERIOLYSIS: 767
BALNEOLOGY: 2477, 3043
BALSAMS: 3705
BARBITURATES: 325, 536, 714, 967, 1313, 2055, 2747, 2796, 4197, 4211
BARIUM: 11, 325, 1356, 2593, 2727, 2774, 2993, 3638, 3805, 4048, 4176
BARIUM SULFATE: 1621
BARNACLES: 1431
BASAL METABOLISM: 70, 476, 1729, 1790, 2391, 3392, 4102
BASEMENT MEMBRANE: 1427, 2007, 2077, 2921, 3310
BASILAR ARTERY: 1860, 2877
BASOPHILS: 4106, 4152
BATHS: 4041
BCG VACCINATION: 632, 715, 1640, 3197
BECLOMETHASONE: 217, 1190, 2302
BEETLES: 1015
BEHAVIOR: 2059, 2251, 2529, 3719
BEHAVIOR, ANIMAL: 47, 293, 312, 325, 814, 638, 847, 981, 1172, 1255, 1331, 1336, 1514, 1639, 1858, 1707, 2060, 2067, 2142, 2232, 2275, 2371, 2388, 2460, 2641, 2810, 2813, 2831, 2862, 2930, 3004, 3116, 3287, 3285, 3340, 3357, 3368, 3379, 3499, 3513, 3794
BEHCET'S SYNDROME: 1542, 3613
BELLADONNA: 3705
BEMEGRIDE: 1287
BENACTYZINE: 53, 667, 1409, 1912
BENCE JONES PROTEIN: 281, 1904
BENDROFLUMETHIAZIDE: 1769
BENPERIDOL: 2549
BENZALDEHYDES: 1377
BENZANTHRACENES: 450, 1128, 1400-1401, 1721, 2134, 2815, 3225, 3331, 3453
BENZAZEPINES: 3071
BENZENE: 3093
BENZENE DERIVATIVES: 338, 2604, 2668, 3495
BENZENE HEXACHLORIDE: 2542
BENZIMIDAZOLES: 2282
BENZOATES: 243, 537, 597, 709, 1043, 1139-1140, 1171, 1199, 1245, 1377, 1534, 1771, 2245, 2257, 2353, 2539, 2805, 2809, 2915, 2992, 3075, 3185, 3906
BENZOFURANS: 2980
BENZOPYRENES: 450, 2043, 2243, 2989, 4011
BENZPHETAMINE: 2243
BENZYL COMPOUNDS: 735, 1559, 1688, 2961, 3244, 3754
BEPHENIUM COMPOUNDS: 2282, 2604
BERYLLIUM: 868, 3470
BETA GLOBULIN: 495, 2988, 3735
BETAINE: 3684
BETAMETHASONE: 177, 313, 450, 508, 705, 951, 1628, 1653, 1923, 2302, 2370, 2453, 2849, 3246, 3250, 3444, 3482, 3494, 3825, 3877, 4189
BICARBONATES: 19, 988, 1046, 2182, 2332, 2803, 2984, 3330, 3609, 3782, 3911, 3941
BIGUANIDES: 336
BILE: 781, 794, 1011, 1033, 1207, 1305, 1576, 1946, 2416, 3445, 3457, 3504, 3564, 3884, 3939
BILE ACIDS AND SALTS: 543, 558-557, 761, 964, 2387, 4094
BILE DUCT NEOPLASMS: 61, 645, 2750

BILE DUCTS: 515
BILE DUCTS, INTRAHEPATIC: 645, 1464, 2073
BILIARY FISTULA: 781, 1578, 4015
BILIARY TRACT DISEASES: 305, 845, 1449, 2111, 2661, 2750
BILIRUBIN: 238, 305, 1778, 2749, 2758, 3224, 3525, 4174
BINDING, COMPETITIVE: 33, 79, 371, 493, 495, 554, 565, 657, 716, 779, 1178, 1243, 1259, 1343, 1476-1477, 1545, 1824, 1753, 1763, 1762, 1659, 1947, 1950, 2020, 2554, 2597, 2758, 2878, 3104, 3146, 3231, 3394, 3506, 3538, 3601, 3711-3713, 3736
BINDING SITES, ANTIBODY: 164, 531, 732, 933, 952, 1009, 1069, 1490, 1549, 1740, 3132, 3947
BIOCHEMISTRY: 1465, 1594, 2863
BIOCOMPATIBLE MATERIALS: 1823, 1767
BIOGENIC AMINES: 438, 1322, 1720, 1943, 2345, 2346, 2425, 2541, 3315-3318, 3568
BIOLOGICAL ASSAY: 34, 102, 163, 302, 391, 441, 607, 609, 815, 789, 628-829, 891, 901, 970, 979, 1067, 1082, 1130, 1137, 1165, 1418, 1448, 1518, 1567, 1784-1785, 1685, 2056, 2225, 2344, 2457, 2651, 2688, 2889, 3048, 3175, 3396, 3400, 3517, 3780, 3874, 3927, 3942, 4080
BIOLOGICAL CLOCKS: 1039, 1782
BIOLOGICAL PRODUCTS: 1348, 1457
BIOLOGICAL TRANSPORT: 158, 189, 452, 514, 592, 636, 1016, 1037, 1422, 1470, 1696, 1857, 1934, 2011, 2066, 2105, 2132, 2150, 2214, 2235, 2642, 2696, 2774, 3161, 3196, 3403, 3480, 4115
BIOLOGICAL TRANSPORT, ACTIVE: 19, 154, 583, 649, 862, 723, 753, 662, 962, 988, 1113-1114, 1149, 1265, 1470, 1644, 1701, 1738, 1776, 1832, 1956, 2086, 2105, 2408, 2462, 2519, 2681, 2727, 2950, 3079, 3089, 3493, 3745, 4003, 4017, 4051
BIOMECHANICS: 2, 504, 1123, 1857, 2128, 2866, 2966, 3817
BIOMEDICAL ENGINEERING: 2342
BIOMETRY: 48, 2348, 2853, 2968, 3183
BIOPHARMACEUTICS: 49, 1672, 3040
BIOPHYSICS: 2
BIOPSY: 24, 160, 332, 386, 468, 635, 844, 674, 722, 799, 886, 873, 911, 1007, 1074, 1120, 1125, 1150, 1194, 1282, 1316, 1323, 1368, 1420, 1428, 1430, 1544, 1677, 1819, 2010, 2016, 2082, 2159, 2242, 2317-2318, 2334, 2351, 2470, 2474, 2493, 2514, 2608, 2719, 2725, 2769, 2795, 2837, 2938, 2946, 3076, 3066, 3101, 3146, 3272, 3298, 3403, 3481, 3527, 3697, 3780, 3857, 3985, 4135, 4168
BIOPSY, NEEDLE: 628, 764, 911, 1438, 1805, 2439, 2588, 2827, 3203, 3319, 3883, 4207
BIOTIN: 415
BIOTRANSFORMATION: 248, 984, 1404, 2055, 2490, 2554, 2798, 3293, 3588, 4007
BIRDS: 279, 598, 792, 2034, 2438, 2553, 2882, 3256, 4075, 4143
BIREFRINGENCE: 3047
BIRTH INJURIES: 2229, 3052, 3839
BIRTH RATE: 3884
BIRTH WEIGHT: 198, 198, 420-421, 507, 647, 1083, 1106, 1286-1289, 1294, 1888, 1778, 1863, 1949, 2114, 2311, 2449, 3052, 3301, 3477, 3525, 3648, 3887, 3798, 4107
BISHYDROXYCOUMARIN: 3563
BISMUTH: 3237, 3705
BIUREAS: 2001
BLADDER: 298, 753, 982, 1323, 1470, 1818, 1853, 1845, 2082-2083, 2105, 2459, 2801, 2818, 2950, 3298, 3374, 3493, 3750, 3808, 3901, 3938
BLADDER DISEASES: 1323, 1618, 3849
BLADDER NEOPLASMS: 24, 298, 1032, 1580, 1816, 1874, 2227, 2929, 3107, 3313, 3418, 3947, 4084
BLADDER, NEUROGENIC: 3868
BLAST INJURIES: 2271, 3617
BLEOMYCIN: 220, 1104
BLEPHARITIS: 95
BLINDNESS: 1389, 1497, 1751, 1963, 3055, 3903
BLOOD: 239, 545, 801-802, 654, 684, 925, 1022, 1217, 1223, 1314, 1523, 1613, 1778, 1918, 2062, 2501, 2597, 3174, 3196, 3328, 3330, 3382
BLOOD BACTERICIDAL ACTIVITY: 1082, 1690, 2810
BLOOD-BRAIN BARRIER: 104, 401, 1732, 1761, 1788, 1968, 2235, 3196, 3936, 3976
BLOOD CELL COUNT: 72, 80, 152, 160, 238, 290, 500, 825, 1170, 1199, 1310, 1448, 2138, 2245, 2625, 2808, 2809, 2985, 3229, 3697, 3720, 3990
BLOOD CELLS: 2440, 2925, 3179, 3163, 3582
BLOOD CHEMICAL ANALYSIS: 238, 1457, 3128, 3797
BLOOD COAGULATION: 18, 72, 328, 1013, 1224, 1641, 1699, 2234, 2802, 2943, 3249, 3434, 3848, 3666, 3808, 3968
BLOOD COAGULATION DISORDERS: 152, 526, 619, 1519, 1622, 1706, 1737, 2199, 3177
BLOOD COAGULATION FACTORS: 3161, 4112
BLOOD COAGULATION TESTS: 915, 1314, 1519, 1814, 2234, 3968, 4028, 4158
BLOOD DONORS: 486
BLOOD FLOW VELOCITY: 13, 703, 980, 1217, 1386, 1717, 1681, 3011, 4111
BLOOD GAS ANALYSIS: 3139, 3382, 4059
BLOOD GROUP INCOMPATIBILITY: 2280
BLOOD GROUPS: 545, 587, 2180, 4211
BLOOD PLATELET DISORDERS: 1077, 3968, 3990
BLOOD PLATELETS: 72, 152, 393, 617-816, 1199, 1238, 1292, 1448, 1483, 1519, 1586, 2132, 2462, 2596, 2802, 2610, 2809, 2676, 2894, 2897, 2925, 2943, 2985, 3219, 3434, 3537, 3720, 3740, 3808, 3968-3969, 4112, 4157
BLOOD PRESERVATION: 1680, 2180, 2751
BLOOD PRESSURE: 3, 35, 73, 190, 237, 241, 264, 280, 287, 299, 580, 583, 620, 638, 878, 681, 687, 703, 760, 815, 826, 630, 687, 880, 899, 902, 990, 1024, 1212, 1219, 1405, 1416, 1418-1419, 1444, 1448, 1501, 1508, 1510, 1584, 1600, 1609, 1861, 1769, 1794, 1799, 1924, 1957, 1963, 1965, 1977, 1988, 2113, 2156, 2211, 2273, 2384, 2386, 2501, 2647, 2851, 2748, 2770, 2851, 2885, 2895, 2965, 3011, 3033, 3098, 3193, 3202, 3269-3270, 3306, 3309, 3382, 3412, 3461, 3511, 3609, 3617, 3666, 3701, 3758, 3800, 3867, 3953, 3962, 3999, 4012, 4040-4041, 4059, 4092, 4099, 4111, 4174, 4204
BLOOD PRESSURE DETERMINATION: 156, 189, 411, 2048, 2450, 2679, 2985, 3139, 3869
BLOOD PROTEIN DISORDERS: 969, 1522, 1697, 2033, 2333
BLOOD PROTEIN ELECTROPHORESIS: 371, 915, 1904, 2261, 2620, 2802, 2874, 3092, 3359, 3735
BLOOD PROTEINS: 155, 194-195, 238, 371, 488, 496, 888, 714, 824, 881, 969, 1005, 1011, 1021, 1038, 1063, 1083, 1243, 1453, 1499, 1527, 1614, 1680, 1893, 2272, 2393, 2480, 2500, 2592, 2598, 2610, 2858, 2664, 2802, 2971, 3032-3033, 3092, 3098, 3144, 3184, 3282, 3359, 3390, 3458-3457, 3555, 3601, 3717, 3785, 3776, 3986, 4076
BLOOD SEDIMENTATION: 915, 1170, 2261, 2581, 2766, 3298
BLOOD SPECIMEN COLLECTION: 1574, 3434
BLOOD SUGAR: 23, 44, 78, 262, 397, 500, 601, 858, 700, 806, 824, 835, 1042, 1046, 1068, 1083, 1208, 1208-1209, 1225, 1409-1410, 1421, 1455, 1482, 1467, 1473, 1488, 1498-1499, 1509, 1569, 1770, 1894, 1899, 2100, 2117, 2193, 2252, 2257, 2397, 2432, 2446, 2512, 2559, 2603, 2819, 2822, 2658, 2775, 2779-2780, 2788, 2806, 2879, 2885, 2896, 3171, 3178, 3206, 3268, 3439, 3458, 3460, 3522, 3550, 3587, 3824, 3829, 3682, 3701-3702, 3758, 3999, 4002, 4078, 4098, 4185-4166, 4174, 4177
BLOOD TRANSFUSION: 552, 817, 848, 1236, 1483, 1542, 1935, 2375, 2751, 3181, 3205, 3740, 4028
BLOOD TRANSFUSION, AUTOLOGOUS: 1024, 4184
BLOOD UREA NITROGEN: 333, 848, 815, 989, 1046, 1050, 1083, 1098, 1102, 1310, 2093, 2159, 2819, 2788, 3635, 3904, 4174
BLOOD VESSELS: 189, 313, 1641, 1861, 2738, 2768, 2978, 3085, 3533, 3650, 4106
BLOOD VISCOSITY: 1660, 3173
BLOOD VOLUME: 430, 678, 902, 1024, 1706
BLOOD VOLUME DETERMINATION: 1706
BLOODLETTING: 878, 1012, 1799
BODY BURDEN: 1358, 4178
BODY COMPOSITION: 200, 420-421, 437, 897, 1083, 1445, 1782, 2032, 2872, 2754, 2800, 2984
BODY CONSTITUTION: 2388, 2676, 2745
BODY FLUIDS: 575, 713-714, 1457, 2432, 3359
BODY HEIGHT: 66, 198, 206, 293, 720, 1083, 653, 1758, 1873, 2620, 2745, 3178, 3297, 3813
BODY TEMPERATURE: 13, 81, 73, 92, 106, 226, 299, 325, 739, 943, 1067, 1154, 1173, 1455, 1488, 1510, 1821, 1851, 1762, 2203, 2371, 2384, 2807, 2831, 3078, 3321, 3721, 3758, 4000, 4102
BODY TEMPERATURE REGULATION: 2, 121, 347, 527, 825, 760, 1571, 1633, 2166, 2466, 2607, 3045, 3467, 3721, 3976
BODY WATER: 19, 175, 238, 601, 631, 1083, 1376, 1400-1401, 2754, 4107
BODY WEIGHT: 66, 121, 171, 200, 237, 270, 293, 295, 304, 389-391, 437, 485, 540, 572, 601, 621, 625, 647, 681, 720, 815, 619, 658, 959, 963, 982, 1011, 1021, 1036, 1058, 1083, 1137-1138, 1163, 1209, 1255, 1306-1307, 1445, 1455, 1467, 1508, 1517, 1561, 1575, 1593, 1603-1604, 1648, 1653, 1858, 1666, 1681, 1714, 1758, 1782, 1673, 1957, 1982, 2007, 2032, 2034, 2100, 2114, 2145, 2232, 2268, 2272, 2290, 2323, 2341, 2354, 2399, 2420, 2437, 2450, 2516, 2516, 2606, 2620, 2648, 2665, 2683, 2686-2687, 2713, 2745, 2754, 2779, 2810, 2814, 2816, 2831, 2836, 2844, 2889, 2952, 2968, 2984, 3004, 3014, 3043, 3058-3059, 3076, 3100, 3115, 3193, 3233, 3242, 3282, 3310, 3368, 3380, 3401, 3441, 3510, 3516, 3523, 3525, 3542, 3593, 3641, 3652, 3677, 3682, 3692, 3757, 3798, 3869, 3930, 3953, 3985, 4076, 4107-4108, 4112-4113, 4121, 4162
BONE AND BONES: 48, 105, 115, 128, 133, 170, 165-168, 210, 316, 327, 332, 369, 372, 380, 382, 440, 463, 481, 504, 519, 541, 545, 572, 598, 683, 696, 759, 605, 831, 883-884, 911, 936, 998, 1000, 1028, 1038, 1064, 1074, 1088, 1119, 1143, 1153, 1162, 1258, 1313, 1321, 1397, 1438, 1445, 1457, 1495-1496, 1517-1516, 1548, 1579, 1588, 1598, 1607, 1623, 1628, 1714, 1724, 1738, 1789, 1658, 1907, 1995, 2003, 2018, 2128, 2151, 2173, 2242, 2279, 2342-2343, 2354, 2358, 2404, 2407, 2473, 2555, 2587, 2576-2577, 2660, 2664, 2892, 2703, 2711, 2719, 2729, 2734, 2738, 2748, 2757, 2762, 2800, 2815, 2874, 2887-2888, 2913, 2968, 2977, 2984, 3095, 3143, 3160, 3173, 3188, 3319, 3351, 3405, 3443, 3448, 3462, 3502, 3531, 3543, 3590, 3630, 3638, 3685, 3731, 3764, 3774, 3777, 3862, 3902, 3913, 3936, 4040, 4060, 4111, 4114, 4134, 4144, 4146, 4152, 4163, 4176, 4205, 4215
BONE CYST: 224, 1321, 2424
BONE DEVELOPMENT: 126, 463, 1167, 1228, 3590
BONE DISEASES: 133, 205, 332, 410, 538, 648, 614, 924, 1120, 1177, 1261, 1434, 1579, 2050, 2242, 2342-2343, 2424, 2481, 2533, 2600, 2909, 3125, 3354, 3378, 3828
BONE DISEASES, DEVELOPMENTAL: 316, 519, 722, 808, 1000, 1177, 2056, 3562
BONE MARROW: 160, 683, 2245, 2297, 2555, 2719, 2974, 3405, 3442, 3697, 3811, 3913, 4040, 4163, 4205
BONE MARROW CELLS: 146, 517, 911, 1023, 1614, 1882, 1955, 1991, 2004, 2476, 2490, 3277, 3442, 3446, 3658, 3730, 3746, 4106
BONE MARROW DISEASES: 490, 987
BONE MARROW EXAMINATION: 1155, 1904, 2124, 2333, 2625, 3697
BONE MATRIX: 210, 1789, 2569, 3732, 4068
BONE NEOPLASMS: 305, 380, 873, 1026, 1032, 1065, 1155, 1451, 1489, 1882, 2274, 2342-2343, 2358, 2483, 2533, 2555, 2567, 2874, 3294, 3635, 3638, 3697, 3763, 3940, 4163
BONE REGENERATION: 126, 1502, 2578, 3531, 3590, 3690, 3731
BONE RESORPTION: 210, 332, 386, 476, 538, 1321, 1397, 1451, 1474, 1502, 1789, 1882-1883, 2242, 2407, 2424, 2892, 3160, 3303, 3697, 3731, 3964, 4140
BONE SCREWS: 504
BORDETELLA PERTUSSIS: 771, 3136, 3154, 4079
BORIC ACIDS: 1673, 3688
BORNEO: 1608
BOROHYDRIDES: 79, 161, 1038, 3685
BRACHIAL ARTERY: 3461
BRADYCARDIA: 310, 620, 2515, 3523, 3725
BRADYKININ: 782, 953, 1346, 1416, 2613, 3371, 3508, 3612
BRAIN: 29, 44, 53, 59, 100, 110, 116, 151, 201, 212, 335, 348, 353, 394, 401, 438, 470, 481, 626, 657, 667, 706, 735, 739, 752, 766, 845, 1079, 1147, 1172, 1184, 1219, 1331, 1441, 1497, 1504, 1508, 1511, 1527, 1535, 1573, 1605, 1653, 1702, 1714, 1720, 1732, 1761, 1788, 1864, 1870, 1896, 1900, 1918, 1936, 1942, 1952, 1977, 1991, 1995, 2039, 2059-2060, 2067, 2122, 2163, 2232, 2235, 2310, 2371, 2460, 2482, 2486, 2505, 2544, 2572, 2606, 2621, 2641, 2684, 2753, 2783, 2813, 2852, 2862,

2678, 2697, 2930, 2937, 2963, 3114, 3169, 3244, 3267, 3296, 3336, 3381, 3387-3388, 3414, 3452, 3499, 3501, 3549, 3605, 3808, 3620, 3632, 3684, 3723, 3775, 3625, 3869, 3877, 3908, 3916, 3925, 3976, 3960, 3994, 4045, 4048, 4052, 4070, 4066, 4121, 4151, 4203
BRAIN ABSCESS: 2390, 3817, 4085
BRAIN CHEMISTRY: 20, 201, 348, 353, 394, 401, 470, 673, 701, 735, 739, 752, 910, 962, 1172-1173, 1322, 1331, 1399, 1516, 1605, 1719, 1838, 1664, 1941-1942, 1952, 1995, 2059, 2153, 2235, 2315, 2357, 2541, 2821, 2719, 2613, 2692, 2930, 3002, 3056, 3244, 3267, 3357, 3360, 3367, 3568, 3580, 3637, 3670, 3723, 3816, 3908, 3993, 4086
BRAIN CONCUSSION: 3817
BRAIN DAMAGE, CHRONIC: 638, 3052, 3617
BRAIN DEATH: 3617
BRAIN DISEASES: 335, 1079, 1164, 1390, 1396, 1447, 1449, 1698, 2761, 2763, 3936, 4152
BRAIN EDEMA: 58, 2390, 3617, 3959
BRAIN INJURIES, ACUTE: 236, 1154, 3617
BRAIN MAPPING: 294, 1219, 1235, 1670, 2394, 2607, 2673, 2844, 2862, 3027, 3135, 3570
BRAIN NEOPLASMS: 136, 299, 476, 1148, 1164, 1461, 1952, 2093, 2250, 2274, 2364, 2390, 2483, 2661, 2730, 2852, 3296, 3775, 3811, 3905, 3938, 3959, 4016
BRAIN STEM: 39, 136, 353, 701, 739, 1079, 1331, 1396, 1573, 1916, 1944, 2505, 2541, 2613, 2965, 3121, 3499, 3817, 3648, 3938, 4070
BRAZIL: 3133, 3670
BREAD: 3051
BREAST: 366, 482, 1082, 1435, 1438, 1812, 1993, 2123, 3131, 3166, 3306, 4176, 4204
BREAST DISEASES: 1612, 2415, 3072, 3239
BREAST FEEDING: 276, 269, 2419, 2620, 2747, 2946
BREAST NEOPLASMS: 93, 164, 278, 433, 482, 500, 734, 912, 1032, 1062, 1109, 1139, 1247, 1302, 1435, 1459, 1489, 1616, 1753, 1993, 2134, 2163, 2267, 2483, 2543, 2675, 2763, 2874, 2910, 2933, 3239, 3614, 3635, 3636, 3790, 3931, 3940, 4014, 4163, 4173
BREEDING: 420-421, 451, 671, 798, 1555, 1949, 2114, 2596, 3100, 3386
BRETYLIUM COMPOUNDS: 247, 903, 1979
BRITISH COLUMBIA: 3443
BROMIDES: 134, 264, 1097, 2539, 3365, 3419
BROMINE: 29, 134, 302, 597, 859, 1108, 2238
BROMODEOXYURIDINE: 3000
BRONCHI: 42, 209, 564, 1220, 1426, 1495, 1564, 2396, 2577, 2667, 3226, 3612, 3955
BRONCHIAL DISEASES: 260
BRONCHIAL NEOPLASMS: 1057, 2338
BRONCHIECTASIS: 209
BRONCHITIS: 1763, 1667, 3478, 3612, 4214
BRONCHODILATOR AGENTS: 562, 3335, 3810
BRONCHOGRAPHY: 2561
BRONCHOPNEUMONIA: 197
BRONCHOSCOPY: 1300, 2561
BROWN FAT: 226, 1041, 1633, 1782, 2166, 2406
BRUCELLA ABORTUS: 2992
BRUCELLA VACCINE: 2228
BRUCELLOSIS: 1656, 2228, 4042
BUFFALOES: 1337, 2347
BUFFERS: 76, 563, 787, 913, 1313, 1429, 1549, 1559, 1855, 1609, 1927, 2774, 2982, 3320, 4013, 4048
BUFO ARENARUM: 1715
BUFO BUFO: 1168, 2088
BUFO MARINUS: 753, 2062-2063, 2105, 3493, 3806, 3901
BULBOURETHRAL GLANDS: 3542
BURKITT'S LYMPHOMA: 550, 763, 1139, 3188
BURKITT'S LYMPHOMA VIRUS: 802
BURMA: 3003
BURNS: 169, 2061, 3153, 3371, 4122
BURNS, CHEMICAL: 4195
BURNS, INHALATION: 694
BURSA OF FABRICIUS: 517, 1286, 2552, 3157, 3973
BURSITIS: 4179
BUSULFAN: 60
BUTANONES: 1749
BUTTOCKS: 2838
BUTYRATES: 447, 511, 654, 969, 1220, 1559, 1636, 1910, 1921, 2356, 2466, 2482, 2560, 2587, 2940, 2961, 3219, 3315, 3684, 3689, 3703, 3834, 4064, 4098
BUTYROPHENONES: 2165
C-TYPE VIRUSES: 1976, 4036
CACHEXIA: 290, 355
CADAVER: 1053, 2407
CADMIUM: 12, 2181, 3945, 4048
CAFFEINE: 325, 1509, 1636, 2313, 2350, 2495, 2999, 3187, 3815, 4149
CALCIFICATION, PHYSIOLOGIC: 388, 860, 1014, 1922, 2354, 2762, 3531, 3764, 3865, 3876, 4068
CALCINOSIS: 403, 538, 612, 612, 841, 924, 1682, 1662, 2077, 2762, 3086, 3376, 3686
CALCIUM: 2, 11, 45, 66, 76, 69, 133, 141, 158, 166, 169, 171, 165-186, 205, 209-210, 215, 266-287, 292, 317, 321, 326, 381, 384, 415, 452, 463, 478, 497, 500, 506, 520, 532, 534, 538, 541, 549, 561, 565, 571, 577, 619, 629, 648, 660, 662, 678, 683, 893, 696-697, 716, 720, 738, 786-787, 612, 623, 627, 636, 661-862, 669, 932, 959, 988, 976, 966, 1018, 1037, 1083-1084, 1089, 1099, 1102, 1111, 1119, 1122-1123, 1127, 1153, 1168, 1214, 1238, 1313, 1348, 1355, 1369, 1384, 1397, 1422, 1431, 1433, 1449, 1456, 1474, 1516-1517, 1551, 1585, 1579, 1615, 1624, 1643, 1701, 1714, 1720, 1759, 1789, 1607, 1612-1813, 1625, 1832, 1657, 1911, 1917, 1933, 1958, 2011, 2025, 2027, 2029, 2044, 2139, 2151, 2175, 2177, 2168, 2193, 2195, 2217, 2222, 2236, 2241-2242, 2307, 2313, 2354, 2382, 2389, 2436, 2519, 2533, 2540, 2592, 2802, 2817, 2619-2620, 2646, 2852, 2864, 2688, 2714, 2716, 2727, 2729, 2731, 2735, 2758, 2768, 2774, 2803, 2865-2886, 2866, 2945, 2999, 3013, 3051, 3058-3057, 3134, 3144, 3148, 3159-3160, 3174, 3179, 3194, 3304, 3320, 3330, 3352, 3354, 3380, 3411, 3427, 3511, 3581, 3563, 3576, 3630, 3635, 3651, 3686, 3732, 3738, 3774, 3762, 3816, 3820, 3822, 3827, 3844, 3853, 3857, 3876, 3897, 3964, 4001, 4017, 4042, 4048, 4063, 4068, 4092, 4144, 4168, 4162
CALCIUM CARBONATE: 966, 4140
CALCIUM CHLORIDE: 653, 662, 861, 1084, 1244, 2593, 2774, 3762
CALCIUM, DIETARY: 676, 863, 932, 1374, 1517, 1615, 2011, 3116, 3543, 4144
CALCIUM FLUORIDE: 1064
CALCIUM ISOTOPES: 11, 148, 169, 166, 215, 452, 549, 561, 638, 986, 1099, 1119, 1474, 1824, 1769, 2151, 2533, 2729, 2999, 3563, 3738, 4048, 4178
CALCIUM METABOLISM DISORDERS: 1037, 1374, 1682, 2486, 2540, 2731
CALCIUM PHOSPHATES: 812, 1328, 1607, 1828, 2151, 2576
CALCULI: 2750
CALIFORNIA: 1754, 4173
CALIFORNIUM: 509
CALLUS: 2195, 2866, 4040
CALORIMETRY: 2, 1084
CAMPHOR: 3350
CANADA: 326, 2778, 2822, 2954
CANARIES: 3552
CANDIDA: 655
CANDIDA ALBICANS: 405, 925, 1458
CANNABIS: 2386
CAPILLARIES: 1494, 1766, 2941, 3371, 3628
CAPILLARITY: 1234
CAPILLARY PERMEABILITY: 1251, 2810, 3608, 3975
CAPROATES: 609, 3776
CAPRYLATES: 654, 2406
CAPSULES: 2742, 3397
CARBACHOL: 1095, 1352, 1355, 1393, 2876, 3596, 3673, 4149
CARBAMATES: 176, 565
CARBAMAZEPINE: 3806, 4211
CARBENICILLIN: 1385, 3463
CARBIMAZOLE: 56, 1989, 3129, 3986
CARBOHYDRATE METABOLISM, INBORN ERRORS: 2757
CARBOHYDRATES: 209, 558, 1229, 1337, 1486, 1605, 1740, 1762, 1770, 1959, 2673, 2866, 3521, 3769
CARBON: 1400
CARBON DIOXIDE: 5, 124, 527, 577, 687, 779, 615, 904, 982, 986, 1041, 1050, 1217, 1467, 1813, 1763, 1797, 1639, 1888, 2203, 2376, 2520, 2872, 2746, 2755, 2766, 2965, 3234, 3564, 3609-3610, 3941, 4059
CARBON DISULFIDE: 2315, 2935, 4029
CARBON ISOTOPES: 16, 26, 37, 69, 74, 120, 135, 139, 149-150, 155, 161, 166, 201, 258, 297, 308, 342, 394, 397, 435, 445, 470, 487, 505, 515, 557, 568, 593, 621, 646, 714, 721, 739, 779, 623, 637, 645, 880, 883, 923, 935, 945, 982-984, 1018, 1041, 1059, 1105, 1115, 1138, 1158, 1172, 1197, 1222, 1232, 1240, 1305, 1318, 1327, 1372, 1391-1392, 1399, 1454, 1470, 1482-1483, 1490, 1496, 1516, 1558, 1562, 1576, 1602, 1611, 1836, 1650, 1760, 1784, 1826, 1839, 1842, 1846, 1850, 1859, 1865, 1668-1669, 1675, 1695, 1916, 1938, 1952, 1955, 1968, 1967, 2033, 2039, 2047, 2065, 2069, 2105, 2121-2122, 2132, 2137, 2188, 2191-2192, 2201, 2210, 2214, 2293, 2298, 2322, 2324, 2363, 2399, 2412, 2416, 2438, 2462, 2479, 2485, 2490, 2496-2499, 2520, 2525, 2541, 2575, 2583, 2567, 2596, 2607, 2616, 2823, 2831, 2638, 2851, 2687, 2755, 2792, 2610, 2623, 2833, 2855, 2918, 2958, 2988, 3063, 3073, 3089, 3095, 3111, 3114, 3149, 3160, 3184, 3209, 3212, 3219, 3234, 3242, 3247, 3255, 3275, 3315-3317, 3337-3338, 3351, 3383-3364, 3371, 3363, 3386-3389, 3393, 3415, 3457-3458, 3471, 3496, 3517, 3520, 3537, 3557, 3584, 3573, 3595, 3601, 3621, 3852, 3682, 3684, 3894, 3704, 3734-3735, 3765, 3761, 3766, 3792-3793, 3799, 3820, 3834, 3852, 3892, 3894, 3907, 3918, 3978, 3981, 3968, 4021, 4052-4053, 4083, 4094, 4098, 4142, 4157
CARBON MONOXIDE: 566, 1156, 1191, 2438, 3080, 3276, 3840
CARBON MONOXIDE POISONING: 3811
CARBON TETRACHLORIDE: 515, 3245
CARBON TETRACHLORIDE POISONING: 3153, 3555
CARBONATES: 465, 506, 530, 794, 889, 986, 2576, 3911
CARBONIC ANHYDRASE: 869, 988, 1577, 2642
CARBONIC ANHYDRASE INHIBITORS: 869, 3079
CARBOXY-LYASES: 258, 428, 526, 626, 771, 1562, 2160, 2453, 3174, 3160, 3754, 3986
CARBOXYLIC ACIDS: 761, 1016, 1019, 1437, 3632, 3892, 3948
CARBOXYPEPTIDASES: 689-690, 1345, 2557, 3215, 3680, 3820
CARBUTAMIDE: 179
CARCINOGENS: 450, 602, 1049, 1370, 2043, 2367, 2969, 3010, 3299, 3331, 3866, 4011
CARCINOID TUMOR: 1007, 1731, 3616
CARCINOMA: 252, 763-764, 906, 1065, 1268, 1330, 1527, 1540, 1585-1586, 1755, 1805, 1954, 1962, 1976, 2024, 2163, 2260, 2343, 2438, 2457, 2675, 2720, 2874, 3437, 3459, 3533, 3695, 3703, 3908, 3919, 3949, 4010, 4014, 4128, 4159, 4163, 4206
CARCINOMA, BRONCHOGENIC: 1756
CARCINOMA, DUCTAL: 1915, 1993, 4014
CARCINOMA, EHRLICH TUMOR: 662, 3736
CARCINOMA, EPIDERMOID: 469, 822, 1109, 1124, 1758, 2730, 3030, 3299, 3554, 3695, 3790
CARCINOMA IN SITU: 3534
CARCINOMA, MUCINOUS: 61, 1674
CARCINOMA, PAPILLARY: 784, 1755, 1805, 2720, 3437
CARCINOMA, SCIRRHOUS: 4014
CARCINOMA, TRANSITIONAL CELL: 501, 3074
CARCINOMA 258, WALKER: 2582, 3010
CARCINOSARCOMA: 3010, 3497
CARDANOLIDES: 3671-3872
CARDIAC GLYCOSIDES: 154, 363, 3079
CARDIAC OUTPUT: 280, 287, 454, 703, 647, 902, 989, 1596, 2879, 3139, 3173, 3309, 3701, 4190
CARDIAC TAMPONADE: 1342
CARDIAC VOLUME: 191
CARDIOVASCULAR DISEASES: 208, 477, 2466, 2519, 3153, 3648, 3782, 4214
CARDIOVASCULAR SYSTEM: 55, 110, 191, 838, 1212, 1405, 1586, 1876, 2060, 3867
CARMUSTINE: 566, 1292, 2138, 2697, 2702, 3165
CARNITINE: 568, 1482, 1910, 3684
CARNIVORA: 998, 1398, 1555, 2101, 2656, 3375, 3557, 4068
CAROTENE: 448
CAROTENOIDS: 2786, 2849
CAROTID ARTERIES: 107, 109, 1111, 1219, 1574, 3382, 3722, 3817
CAROTID ARTERY DISEASES: 905, 4118
CAROTID ARTERY, EXTERNAL: 1219
CAROTID ARTERY, INTERNAL: 2000, 2677
CAROTID ARTERY THROMBOSIS: 2677, 3353
CAROTID BODY: 336
CAROTID SINUS: 3365
CARRAGEENAN: 1246, 3154, 4035
CARRIER PROTEINS: 1320, 1476-1477, 1680, 2281, 2993, 3161, 3165, 3506, 3826
CARRIER STATE: 453, 925
CARTILAGE: 463, 660, 722, 654, 663, 900, 1300, 1495, 2342, 2736, 2762, 3602, 3732, 3936, 4068

CARTILAGE, ARTICULAR: 2058, 2589, 2884, 3354, 3431
CARTILAGE DISEASES: 2146
CARVACROL: 3705
CASE REPORT: 24, 75, 80, 158, 206, 260, 307, 315, 475, 501, 643, 687, 711, 727, 833, 872, 919, 985-988, 1000, 1046, 1074, 1090, 1329, 1334, 1342, 1660, 1682, 1882-1883, 1906, 1992, 1997, 2010, 2088, 2185, 2200, 2266, 2334, 2343, 2405, 2445, 2472, 2494, 2859, 2688, 2787, 2820, 2909, 2912, 2970, 3105, 3119, 3252, 3303, 3328, 3347, 3481, 3548, 3554, 3823, 3878, 3887, 3928, 3982, 4049, 4183-4164, 4205-4207
CASEIN: 90, 200, 443, 871, 1200, 1270, 2154, 2562, 2665, 2789, 3878, 3785, 3778, 3894, 4107
CASTRATION: 32, 54, 74, 164, 168, 182, 268, 270, 298, 389, 540, 593, 610, 625, 663-664, 674, 709, 713-714, 733, 745, 751, 829, 843, 863, 901, 912, 937-938, 950, 1010, 1035, 1043, 1256, 1296, 1301, 1307, 1354, 1360, 1367, 1400-1401, 1484, 1569, 1574, 1595, 1803, 1725-1726, 1771, 1823, 1870, 1912, 1937, 1951, 1953, 2053, 2064, 2068, 2117, 2142, 2145, 2157, 2196, 2208-2209, 2227, 2255, 2257, 2328, 2442, 2522, 2545, 2626, 2683, 2890, 2701, 2704, 2778, 2780, 2796, 2817, 2821, 2856, 2863, 2893, 3005, 3008, 3014, 3019, 3055, 3093, 3103, 3109, 3140, 3147, 3170, 3225, 3230, 3232, 3238, 3238, 3258, 3260, 3342, 3375, 3401, 3451, 3453, 3510, 3530, 3553, 3576, 3892, 3718, 3737-3738, 3757, 3797, 3866, 3868, 3906, 3908, 3927, 3993-3994, 4066, 4136, 4143, 4155
CASTS, SURGICAL: 978
CAT DISEASES: 789, 1784, 2393
CATALASE: 1463, 1543, 3271, 3383
CATALYSIS: 74, 118, 153, 1702, 2108, 3018, 3278
CATARACT: 1168, 2848, 3620
CATARACT EXTRACTION: 548
CATECHOL: 794, 1222, 1248, 2040
CATECHOL METHYLTRANSFERASE: 149
CATECHOLAMINES: 30, 81, 78, 85, 101, 124, 228, 247, 404, 412, 491, 573, 859, 735, 878, 1237, 1331, 1355-1356, 1441, 1471, 1508-1509, 1556, 1558, 1584, 1824, 1757, 1799, 1838, 2040, 2059-2060, 2143, 2147, 2185, 2371, 2425, 2485, 2504, 2621, 2691, 2721, 2784, 2879, 2885, 2923, 2999, 3002, 3085, 3098, 3191, 3471, 3499-3500, 3580, 3584, 3617, 3751, 3889, 3871, 3895, 3911, 3999, 4190
CATHEPSIN: 90, 1345, 2589, 3184, 3409
CATHETERIZATION: 518, 580, 687, 830, 1002, 1068, 1088, 1151, 2371, 2459, 2611, 3139-3140, 3373
CATHOLICISM: 3937
CATIONS, DIVALENT: 871, 1168, 1326, 3163
CATS: 53, 77, 288, 294, 338, 342, 638, 701, 769, 998, 1067-1068, 1191, 1219, 1405, 1418, 1448, 1511, 1604, 1717, 1720, 1784, 1787, 1795, 1864, 1942, 1944, 1988, 2101, 2113, 2122, 2275, 2297, 2323, 2393, 2519, 2544, 2607, 2756, 2784, 2884, 2985, 3135, 3365, 3374, 3417, 3452, 3473, 3568, 3865, 3898, 3916, 4070
CATTLE: 30-31, 50, 81, 78, 96, 114, 159, 178, 285, 304, 327, 351, 370, 498, 527, 530, 532, 585, 568, 581, 854, 857, 889, 748, 755, 785, 786, 817-818, 831, 854, 928, 967-968, 995-996, 998, 1010, 1052, 1063, 1070, 1084, 1127, 1200, 1214, 1244, 1326, 1332, 1340, 1355, 1359, 1378, 1412, 1437, 1541, 1549, 1606, 1636, 1645-1646, 1653, 1695, 1760, 1798, 1880, 1949, 1975, 2049, 2070, 2135, 2143, 2154, 2257, 2278, 2282, 2286, 2293, 2296, 2310, 2344-2345, 2360, 2379-2380, 2383, 2393, 2444, 2482, 2513, 2579-2580, 2592, 2616, 2818, 2622, 2639, 2648, 2666, 2782, 2814, 2824, 2847, 2868, 2886, 2913, 2955, 2959, 2969, 2982, 2984, 2999, 3012, 3047-3048, 3078, 3093, 3215, 3217, 3230, 3247, 3278, 3363, 3383, 3391, 3413, 3454, 3486-3487, 3491, 3498, 3542, 3563, 3815, 3834, 3667, 3680, 3685, 3710, 3737-3738, 3777, 3789, 3818, 3820, 3846, 3890, 3907, 3911-3912, 3921, 3958, 3974, 3981, 3988-3989, 4045, 4075, 4095, 4109, 4124
CATTLE DISEASES: 265, 327, 1412, 1541, 1645, 2282, 2393, 2592, 2868, 3777, 3846, 3890
CAUCASIAN RACE: 68, 720, 957, 4102
CAUDA EQUINA: 1004
CAUDATE NUCLEUS: 151, 908, 1605, 1720, 1942, 2235, 3799, 3896, 3918
CAUSTICS: 1082, 4195
CAUTERY: 1617
CAVERNOUS SINUS: 3722, 4118
CELIAC ARTERY: 2113
CELIAC DISEASE: 835
CELIAC PLEXUS: 3089
CELL ADHESION: 1085, 3850
CELL AGGREGATION: 393, 2965, 3415, 3984
CELL COUNT: 592, 879, 958, 1661, 1767, 1810, 1825, 2195, 2291, 2805, 3039, 3243, 3595, 3703, 3730, 3894, 4057, 4101, 4120-4121
CELL DIFFERENTIATION: 112, 198, 212, 271, 385, 480, 669, 890, 1085, 1215, 1273, 1303, 1375, 1407, 1558, 1796, 1811, 1831, 2007, 2053, 2073, 2077, 2217, 2219, 2291, 2326, 2534, 2537, 2700, 2753, 2961-2963, 3060, 3283, 3590, 3724, 3850, 3853, 4119-4120
CELL DIVISION: 198, 240, 296, 387, 592, 597, 602, 772, 810, 879, 1150, 1492, 1548, 1650, 1662, 1811, 1816, 1837, 1981, 2291, 2326, 2360, 2367, 2644, 2656, 2670, 2678, 2881, 2906, 3013, 3037, 3060, 3167, 3595, 3703, 3730, 3785, 3853, 3964, 4001, 4120
CELL FRACTIONATION: 102, 356, 621, 1250, 1320, 1554, 1809, 1837, 1857, 2202, 2236, 2632, 2792, 2817, 2927, 3006, 3181, 3329, 3409, 3498, 3518, 3574, 3581, 3776, 3852, 3902, 4064
CELL-FREE SYSTEM: 474, 658, 679, 810, 1250, 2173, 2412, 2635, 2805, 3815
CELL FUSION: 1978, 4120
CELL LINE: 511, 592, 602, 810, 879, 1223, 1228, 1492, 1669, 1814, 1978, 2069, 2291, 2563, 3012, 3209, 3230, 3479, 3510, 3518, 3595, 3703, 3714, 3745, 3900, 4036, 4064, 4075, 4101
CELL MEMBRANE: 30, 130, 249, 330, 356, 493, 534, 571, 662, 779, 797, 851, 930, 1085, 1100, 1202, 1216, 1301, 1431, 1527, 1554, 1650, 1662, 1701, 1807, 1837, 1921, 1978, 2053, 2055, 2177, 2222, 2241, 2291, 2382, 2652, 2671, 2774, 2793, 2870, 2894, 2921, 3002, 3064, 3079, 3097, 3144, 3163-3164, 3199, 3208, 3277, 3329, 3559, 3583, 3745, 3753, 3821, 3850, 3852, 4020, 4064, 4101
CELL MEMBRANE PERMEABILITY: 104, 133, 452, 488, 520, 592, 718, 1123, 1168, 1407, 1837, 1858, 1917, 1956, 2105, 2132, 2217, 2238, 2462, 2524, 2652, 2818, 3079, 3578, 3745, 3782, 4017, 4099
CELL MIGRATION INHIBITION: 522, 569, 622, 1902, 2298, 2552, 3985, 4015
CELL MOVEMENT: 54, 69, 803, 1017, 1085, 1118, 1425, 1494, 1636, 1661, 1889, 1902, 2058, 2602, 2700, 2716, 3039, 3167, 3350, 3369, 3628, 3730
CELL NUCLEOLUS: 249, 796, 1301, 1818, 2014-2015, 2208, 3141, 3691
CELL NUCLEUS: 4, 74, 187, 249, 399, 447, 480, 581, 587, 870, 702, 756, 796, 871, 950, 962, 972, 1033, 1175, 1202, 1242-1243, 1250, 1301, 1320, 1424, 1426, 1431, 1662, 1761, 1818, 1837, 1859, 1897, 1918, 1951, 1978, 1991, 1995, 2054, 2077, 2101, 2220, 2299, 2341, 2345, 2471, 2499, 2574, 2586, 2670, 2792, 2962, 3008, 3048, 3103, 3124, 3212, 3296, 3345, 3389, 3501, 3581, 3793, 3804, 3903, 4020, 4053, 4139
CELL SURVIVAL: 426, 521, 810, 1069, 1318, 1837, 2326, 3595, 3793, 3919, 4017, 4064
CELL TRANSFORMATION, NEOPLASTIC: 112, 428, 493, 602, 2367, 3209, 3230, 3479, 3850, 4101
CELL WALL: 1828
CELLS: 1343, 2833, 3013, 3060, 3337, 3736, 4017
CELLS, CULTURED: 69, 181, 198, 291, 375, 387, 426, 482, 493, 509, 517, 524, 602-604, 810, 851, 860, 1089, 1094, 1128, 1150, 1214, 1228, 1240, 1468, 1490, 1711, 1740, 1814, 1910, 1921, 1976, 1981, 1987, 2073, 2092, 2161, 2217, 2219, 2236, 2336, 2360, 2383, 2572, 2701, 2826, 2839, 2881, 2884, 2961-2962, 3060, 3141, 3254, 3329, 3336, 3490, 3526, 3559, 3565-3566, 3612, 3730, 3745, 3793, 3834, 4075, 4120
CELLULAR INCLUSIONS: 269, 399, 480, 702, 796-797, 951, 1202, 1382, 1424, 1599, 1818, 2053, 2101, 2312, 2566, 2652, 2671, 2941, 3047, 3296, 3559, 3804, 4152
CELLULITIS: 4118
CELLULOSE: 1158
CENTRAL NERVOUS SYSTEM: 58, 355, 884, 999, 1212, 1237, 1382, 1455, 1604, 1732, 2145, 2348, 2739, 3145, 3365, 3468, 3475, 3869
CENTRAL NERVOUS SYSTEM DISEASES: 1802, 2783, 3131, 4137
CENTRAL VENOUS PRESSURE: 430, 454, 1448, 1598, 2575, 3139, 4111
CENTRIFUGATION: 869, 1499, 2444, 2462, 2474, 2717, 2927, 3054, 3132, 4157
CENTRIFUGATION, DENSITY GRADIENT: 116, 406, 565, 657, 755, 871, 1100, 1240, 1243, 1320, 1326, 1476-1477, 1727, 1761, 1791, 1809, 1828, 2287, 2324, 2457, 2499, 2524-2525, 2633, 2999, 3005-3006, 3075, 3103, 3149, 3184, 3211, 3471, 3501, 3506, 3591, 3852, 4036
CENTRIFUGATION, ZONAL: 356, 2286
CEPHALINS: 817, 1842, 2955
CEPHALOMETRY: 936
CEPHALOSPORINS: 1068
CEPHALOTHIN: 3463
CERAMICS: 1623
CERAMIDES: 3925
CEREBELLAR CORTEX: 2122, 3038
CEREBELLAR NEOPLASMS: 257, 3938
CEREBELLOPONTILE ANGLE: 257
CEREBELLUM: 182, 268, 353, 401, 626, 682, 752, 1079, 1382, 1918, 2386, 2641, 2926, 3338, 3387, 3557, 3723, 3869, 4068
CEREBRAL ANEURYSM: 1952
CEREBRAL ANGIOGRAPHY: 1154, 1456, 2852, 3722
CEREBRAL ANOXIA: 44, 1079
CEREBRAL ARTERY DISEASES: 2852
CEREBRAL CORTEX: 44, 335, 353, 626, 701, 752, 970, 1079, 1382, 1535, 1573, 1575, 1707, 1844, 1938, 1942, 1944, 1952, 2059, 2122, 2153, 2235, 2386, 2505, 2641, 2707, 2719, 2730, 2813, 3015, 3019, 3145, 3315-3317, 3338, 3360, 3387, 3414, 3452, 3632, 3930, 3991, 3993, 4099, 4151
CEREBRAL CORTEX DECORTICATION: 620, 1219
CEREBRAL EMBOLISM AND THROMBOSIS: 619, 1660, 4214
CEREBRAL HEMORRHAGE: 299, 2730, 3817, 4214
CEREBRAL PALSY: 3443, 3839
CEREBRAL VENTRICLE NEOPLASMS: 2077, 2852, 4206
CEREBRAL VENTRICLES: 159, 347, 401, 459, 631, 780, 1068, 1405, 1511, 1600, 2299, 2371, 2505, 3499, 3673, 3758, 3905
CEREBROSIDES: 212
CEREBROSPINAL FLUID PROTEINS: 1170, 1996, 3959
CEREBROVASCULAR CIRCULATION: 1267, 1598, 3173, 3608, 3617, 3959
CEREBROVASCULAR DISORDERS: 825, 2223, 2561, 3072, 3353, 3617, 3905, 4214
CERIUM: 2660
CERIUM ISOTOPES: 3140
CERTIFICATION: 3937
CERULOPLASMIN: 677, 1033
CERVICAL VERTEBRAE: 1851, 2359, 3731
CERVICO-BRACHIAL NEURALGIA: 2176
CERVIX DISEASES: 1460
CERVIX INCOMPETENCE: 3229
CERVIX MUCUS: 216, 1028, 1889, 2318, 2777, 3078, 3447
CERVIX NEOPLASMS: 1, 122, 252, 622, 690, 1124, 1279, 2227, 2289, 3108, 3416, 3488, 3534, 3599, 3668, 4010
CERVIX UTERI: 54, 265, 471, 1360, 1425, 1471, 1766, 2198, 2515, 2777, 3266, 3523, 3599, 3848, 4069
CESAREAN SECTION: 71, 518, 807, 890, 1439, 1613, 1846, 2597, 3484, 3523, 3838, 4037
CESIUM: 2887
CESIUM ISOTOPES: 1548, 2577, 2887-2888
CESTODA: 2889
CETACEA: 3454
CETYLPYRIDINIUM: 722
CEYLON: 3003
CHALONES: 1085, 2367
CHARCOAL: 370, 2108, 2350, 2958, 3005, 3103, 3204, 3738, 3921
CHEEK: 234, 2422, 3281
CHEILITIS: 2766
CHELATING AGENTS: 1081, 1099, 1419, 1696, 2161, 3143, 3879
CHEMISTRY: 90, 102, 130, 201, 326, 765, 789, 859, 870, 896, 1019, 1038, 1048, 1112, 1128, 1173, 1241, 1559, 1594, 1684, 1710, 1740, 2040, 2043, 2050, 2179, 2243, 2332, 2460, 2539, 2570, 2586, 2651, 2660, 2903, 2949, 3028, 3060, 3093, 3138, 3250, 3363, 3393, 3456, 3685, 3689, 3769, 3957-3958, 3967, 3998, 4011, 4035
CHEMISTRY, CLINICAL: 1545
CHEMISTRY, ORGANIC: 2106
CHEMISTRY, PHARMACEUTICAL: 731, 3307, 3795, 3833
CHEMISTRY, PHYSICAL: 1477, 3506
CHEMORECEPTORS: 189, 336, 792, 2301, 2673
CHEMOTAXIS: 385, 1085

CHENODEOXYCHOLIC ACID: 984
CHIARI-FROMMEL SYNDROME: 388
CHICK EMBRYO: 223, 480, 493, 690, 834, 854, 1197, 1205, 1392, 1679, 2161, 2236, 2286, 2353, 2664, 2850, 3095, 3549, 3589, 4120
CHICKENPOX: 3950
CHICKENS: 4, 34, 185-186, 441, 480, 484, 517, 615, 649, 796, 982, 1038, 1181-1182, 1191, 1286, 1318, 1437, 1486, 1516, 1604, 1693, 1968, 2033, 2052, 2269, 2341, 2354, 2371, 2438, 2552, 2632, 2664, 2666, 2724, 2782, 2805, 2969, 3036, 3075, 3116, 3157, 3160, 3171, 3256, 3380, 3396, 3459, 3753, 3764, 3847, 3853, 3973, 4068, 4094, 4119, 4124
CHILD: 105, 109, 126, 131, 138, 140, 208, 235, 264, 275, 283, 315, 323, 331, 359, 363-364, 404, 410, 419, 429, 444, 476, 496-497, 502, 519, 545, 552, 570, 582-583, 586, 665, 685, 694, 700, 719, 722, 734, 738, 756, 785, 808, 811, 835, 852, 919, 925, 936, 952, 954, 978, 986, 1000, 1023, 1037, 1042, 1060, 1073, 1077, 1091-1093, 1109, 1129, 1145, 1167, 1184, 1187, 1193, 1212, 1217, 1228, 1259, 1310, 1321, 1361, 1384, 1406, 1417, 1421, 1427, 1450, 1464, 1472, 1479, 1497, 1522, 1524, 1528, 1580, 1591, 1615, 1630, 1654, 1667, 1687, 1738, 1746, 1755, 1758, 1792, 1822, 1849, 1852, 1856, 1861, 1874, 1878, 1887, 1890, 1907, 1913-1914, 1919, 1924, 1930, 1959, 2022, 2071, 2077, 2099, 2111, 2136, 2158, 2223, 2251, 2311, 2325, 2328, 2336, 2349, 2362, 2410, 2419, 2429, 2435, 2483, 2492, 2519, 2527-2528, 2531, 2536, 2559, 2561, 2581-2582, 2598, 2625, 2640, 2649, 2657, 2670, 2679, 2684, 2698, 2702, 2706, 2718, 2730, 2742, 2775, 2783, 2790, 2820, 2841, 2846, 2852, 2860, 2864, 2895, 2935, 2947, 2957, 2967, 2973, 2987, 3001, 3003, 3017, 3023, 3034, 3071, 3098, 3102, 3123, 3126, 3131, 3176, 3187, 3203, 3205, 3228, 3250, 3269, 3280, 3297, 3308, 3313, 3319, 3366, 3432, 3460, 3466, 3485, 3489, 3499, 3517, 3540, 3571, 3587, 3601, 3636, 3650, 3653, 3657, 3697, 3700, 3707, 3726, 3746-3747, 3790, 3801, 3813, 3817, 3823, 3828-3829, 3839, 3849, 3857, 3886, 3889, 3904-3905, 3920, 3950, 3971, 3980, 4018, 4055, 4085, 4116, 4127, 4135, 4137, 4166, 4176, 4178, 4191, 4195, 4206, 4209
CHILD BEHAVIOR: 2529, 3499
CHILD BEHAVIOR DISORDERS: 3980
CHILD DEVELOPMENT: 3280
CHILD DEVELOPMENT DEVIATIONS: 2279, 3839
CHILD HEALTH SERVICES: 278, 4191
CHILD, PRESCHOOL: 58, 66, 126, 160, 235, 264, 323, 350, 410, 444, 455, 476, 502, 519, 545, 570, 583-584, 586, 672, 685, 694, 700, 719, 736, 835, 852, 936, 952, 957, 978, 1023, 1060, 1073, 1092, 1109, 1129, 1155, 1217, 1231, 1264, 1361, 1414, 1421, 1464, 1479, 1522, 1524, 1579, 1591, 1614-1615, 1630, 1687, 1711, 1718, 1722, 1746, 1758, 1804, 1849, 1856, 1874, 1907, 1913, 1924, 1948, 1952, 2022, 2056, 2077, 2158, 2223, 2266, 2311, 2328, 2336, 2362, 2435, 2461, 2491-2492, 2519, 2527-2528, 2536, 2561, 2571, 2582, 2598, 2620, 2657, 2679, 2698, 2706, 2718-2719, 2730, 2742, 2775, 2783, 2820, 2832, 2846, 2864, 2906, 2947, 2957, 2973-2974, 2988, 3001, 3003, 3017, 3021, 3023, 3068, 3088, 3119, 3123, 3126, 3176, 3205, 3228, 3250, 3268, 3280, 3307, 3313, 3366, 3432, 3442, 3460, 3489, 3517, 3540, 3575, 3587, 3600-3601, 3620, 3653, 3697, 3707, 3746, 3801, 3813, 3823, 3827, 3829, 3849, 3875, 3886, 4055, 4116, 4137, 4154, 4176, 4178
CHIMPANZEES: 822, 1341, 3393
CHINA: 4091
CHINCHILLAS: 1896, 3617
CHIROPTERA: 3976
CHLAMYDOMONAS: 3167
CHLORAL HYDRATE: 718, 4149
CHLORAMBUCIL: 566, 675, 1461, 1468, 2086, 2333, 2697, 2769, 2912
CHLORAMPHENICOL: 832, 2951, 3277, 3986
CHLORATES: 1773-1774
CHLORCYCLIZINE: 1648, 2243
CHLORDIAZEPOXIDE: 1658
CHLORIDES: 12, 134, 512, 561, 601, 687, 697, 824, 1046, 1050, 1099, 1149, 1356, 1430, 1927, 1934, 2088, 2093, 2432, 2577, 2593, 2788, 2887-2888, 3092, 3148, 3329-3330, 3392, 3419, 3475, 3600, 4063
CHLORINE: 513, 815, 1172-1173, 1299, 1331, 1594, 1599, 1624, 1950, 2238, 2646, 3282, 3495, 3705, 4052
CHLORMADINONE: 195, 374, 1135, 1459, 1543, 1810, 2352, 2585, 2905, 2920, 2943, 2946, 3170, 3262, 3447, 3683, 4131, 4160
CHLORMETHIAZOLE: 564
CHLOROMERCURIBENZOATES: 2583
P-CHLOROPHENYLALANINE: 39, 348, 1239, 1331, 1395, 1938, 2196, 2283, 2521, 3637, 4136
CHLOROQUINE: 2987, 3281, 3975
CHLOROTHIAZIDE: 154, 583, 3953
CHLORPHENIRAMINE: 3334
CHLORPHENTERMINE: 2541
CHLORPROMAZINE: 1217, 1331, 2206, 2746, 2999, 3986, 4149
CHLORPROPAMIDE: 57, 981, 1264, 1421, 1801, 2860
CHOLANGIOGRAPHY: 1090, 2750
CHOLANGITIS: 2750
CHOLECALCIFEROL: 133, 556-557, 932, 1516, 2554, 3543, 4144
CHOLECYSTECTOMY: 1449, 3072, 4034
CHOLECYSTITIS: 677, 3072
CHOLECYSTOGRAPHY: 3504
CHOLECYSTOKININ: 77, 204, 457, 3958
CHOLELITHIASIS: 677, 1449, 2750
CHOLERA: 19, 405, 2170, 2706
CHOLERA VACCINE: 19
CHOLESTANES: 562
CHOLESTASIS: 515, 799, 1700, 3224
CHOLESTENES: 983-984, 2538-2539, 3483
CHOLESTEROL: 22, 101, 133, 168, 172, 212, 314, 340, 500, 527, 543, 556-557, 562, 585, 781, 792, 801-802, 817, 840, 983-984, 1034, 1083, 1110, 1159, 1216, 1392, 1403, 1407-1408, 1449, 1519, 1533, 1602, 1620, 1704, 1722, 1729, 1790, 1899, 1914, 2033, 2210, 2257, 2373, 2377, 2393, 2418, 2554, 2650, 2691, 2758, 2768, 2788, 2806, 2919, 3171, 3234, 3349, 3356, 3383, 3386, 3447, 3666, 3674, 3704, 3791, 4094, 4112, 4174
CHOLESTYRAMINE: 22, 2418, 3279
CHOLIC ACID: 2418
CHOLINE: 169, 415, 1097, 2324, 3595
CHOLINESTERASE: 447, 682, 1211, 1437, 2177, 2542, 2952, 3586
CHOLINESTERASE INHIBITORS: 897, 1097, 1717, 1793, 2031, 2084, 2952
CHONDROCALCINOSIS: 321, 3354
CHONDRODYSTROPHIA CALCIFICANS CONGENITA: 3562, 4135
CHONDROITIN: 50, 722, 1159, 2757
CHORDATA: 1408, 3739
CHORDOMA: 3775
CHORDOTOMY: 620, 1327
CHORIOADENOMA: 1461
CHORIOCARCINOMA: 197, 359, 434, 478, 763, 1373, 1461, 1512, 1566, 1570, 1669, 1671, 1747, 2472, 2662, 2767, 3053, 3213, 3655, 3668, 3768, 3940
CHORISTOMA: 1432, 3876
CHOROID: 2022
CHOROID PLEXUS: 401, 2095, 2505, 4206
CHOROIDITIS: 3274
CHRISTIANITY: 3937
CHRISTMAS DISEASE: 451
CHROMAFFIN SYSTEM: 547, 817-818, 1188, 1427, 2721, 2999, 3895, 3911
CHROMATIDS: 3183, 3658
CHROMATIN: 74, 581, 745, 962, 1175, 1320, 2069, 2288, 2412, 3212, 3753
CHROMATOGRAPHY: 33, 102, 139, 303, 413, 445, 523, 560, 731, 766, 933, 1051, 1063, 1197, 1213, 1221, 1293, 1453, 1516, 1684, 1702, 1710, 1731, 1757, 1764, 1927, 1971, 2025, 2046, 2076, 2188, 2212, 2310, 2320, 2380, 2444, 2548, 2583, 2597, 2633, 2636, 2757, 3012, 3063, 3093, 3109, 3391, 3447, 3501, 3584, 3685, 3737, 3760, 3764, 3771, 3879, 3926, 3956-3957, 4021, 4068, 4083, 4109
CHROMATOGRAPHY, AFFINITY: 532, 779, 1740, 1927, 2247, 2383, 2633, 3826
CHROMATOGRAPHY, DEAE-CELLULOSE: 102, 114, 371, 581, 654, 755, 1038, 1100, 1290, 1320, 1326, 1419, 1476-1477, 1646, 1686, 1693, 1760, 1828, 2137, 2441, 2444, 2610, 2616, 2633, 2902, 3033, 3181, 3351, 3457, 3501, 3594, 3710, 3716-3717, 3760, 3776, 3816, 3820, 4063, 4124
CHROMATOGRAPHY, GAS: 79, 137, 161, 162, 231, 297, 322, 435, 505, 575, 590, 724, 781, 830, 840, 880, 983-984, 1022, 1034, 1044, 1156, 1234, 1274, 1276, 1305, 1322, 1377, 1403, 1549, 1559, 1578, 1710, 1787, 1836, 1905, 1914, 1945, 2047, 2049, 2063, 2179, 2202, 2251, 2416, 2452, 2466-2467, 2542, 2854, 3137, 3232, 3343, 3349, 3382, 3444, 3447, 3661, 3677, 3689, 3744, 3939
CHROMATOGRAPHY, ION EXCHANGE: 8, 120, 161, 295, 316, 320, 371, 637, 689, 765, 810, 823, 859, 871, 913, 1200, 1348, 1429, 1686, 1727, 1777, 2063, 2099, 2344, 2383, 2404, 2651, 2687, 2902, 3273, 3317, 3539, 3594, 3661, 3680, 3685, 3717, 3815-3816, 3818, 3826, 3942, 4095
CHROMATOGRAPHY, PAPER: 79, 135, 174, 256, 445, 689, 859, 918, 941, 1047, 1061, 1207, 1223, 1315, 1418, 1596, 1672, 1816, 1971, 2035, 2065, 2099, 2233, 2316, 2479, 2609, 2637, 2834, 2845, 2959, 3073, 3114, 3215, 3219, 3363, 3393, 3680, 3704, 3816, 4083, 4125
CHROMATOGRAPHY, THIN LAYER: 34, 37, 74, 94, 137, 148, 174, 299, 376, 378, 435, 449, 474, 505, 646, 751-752, 830, 840, 918, 943, 983-984, 1011, 1106, 1178, 1243, 1252-1254, 1304, 1350, 1355, 1372, 1377-1378, 1403-1404, 1562, 1578, 1596, 1602, 1673, 1710, 1787, 1809, 1828, 1841-1842, 1905, 1938-1939, 2063, 2108, 2179, 2191-2192, 2201-2202, 2316, 2412, 2482, 2538, 2631-2632, 2637, 2719, 2834, 2955, 3137, 3204, 3232, 3247, 3317, 3332, 3343, 3363, 3393-3394, 3445, 3447, 3457, 3530, 3537, 3564, 3601, 3671, 3677, 3680, 3689, 3704, 3717, 3816, 3939, 3981, 3994, 3998, 4011, 4021, 4150
CHROMATOPHORES: 1241
CHROMIUM-COBALT ALLOYS: 1623
CHROMIUM ISOTOPES: 5, 834, 884, 1069, 1545, 1551, 1598, 1706, 2170, 2219, 2693, 2992, 3140
CHROMOSOME ABERRATIONS: 180, 206, 346, 387, 464, 509, 719, 1201, 1297, 1718, 1728, 2002, 2164, 2185, 2461, 2804, 2842, 3141, 3276, 3290, 3327, 3379, 3565, 3588, 3657, 3714, 3773, 3851, 4117, 4128, 4175, 4200
CHROMOSOME ABNORMALITIES: 372, 387, 1023, 1201, 1379, 2403, 2582, 2679, 2812, 3068, 4136
CHROMOSOME MAPPING: 387, 1023, 1201, 1606, 1639, 2022, 2214, 2308, 2340, 3362, 3379, 4175
CHROMOSOMES: 74, 346, 387, 424, 740, 754, 808, 1015, 1271, 1491, 1608, 1728, 1814, 1903, 2023, 2182, 2185, 2361, 2440, 2474, 2582, 2656, 2676, 2801, 2826, 3012, 3183, 3276, 3446, 3526, 3565, 3582, 3714, 3850, 4067, 4175
CHROMOSOMES, HUMAN, 1-3: 1491, 2440, 3068, 4117
CHROMOSOMES, HUMAN, 4-5: 372, 1491, 2440
CHROMOSOMES, HUMAN, 6-12: 372, 1491, 2440, 2843, 2846, 3183, 3620, 4117
CHROMOSOMES, HUMAN, 13-15: 719, 1491, 2440, 2804, 3183
CHROMOSOMES, HUMAN, 16-18: 372, 1379, 1491, 2440, 2582, 2679, 4117
CHROMOSOMES, HUMAN, 19-20: 1491, 2440
CHROMOSOMES, HUMAN, 21-22: 719, 1491, 2440, 2582, 2656
CHRONAXY: 1898
CHRONIC DISEASE: 76, 218, 221, 332, 339, 507, 582, 715, 736, 856, 868, 924, 932, 975, 1030, 1088, 1165, 1190, 1316, 1430, 1487, 1550, 1565, 1568, 1637, 1808, 1822, 1973, 2048, 2159, 2180, 2218, 2327, 2343, 2430, 2450, 2455, 2500, 2769, 2786, 2837, 3282, 3572, 3592, 3617, 3633, 3650, 3869, 3992, 4042, 4162
CHYLOMICRONS: 2033
CHYLOPERITONEUM: 1325
CHYLOTHORAX: 1325, 2107
CHYMOTRYPSIN: 689-690, 1158, 2103, 2113, 2557, 3215, 3680, 3820, 4095
CICATRIX: 1746, 3307, 3881, 4122
CILIA: 209, 1135, 2828, 2941, 2980
CILIATA: 2980
CINCHOPHEN: 2815
CINNAMATES: 794, 3299, 4136
CIRCADIAN RHYTHM: 92, 149, 166, 299, 543, 633, 712, 909, 914, 956, 1114, 1138, 1270, 1296, 1573, 2016, 2067, 2090, 2106, 2109, 2129, 2163, 2194, 2205, 2416, 2489, 2517, 2705, 2724, 2781, 2810, 2938-2939, 3031, 3242, 3665, 3960, 3971, 4103, 4113
CIRCULAR DICHROISM: 1019, 1112, 3826
CISTERNA MAGNA: 2852
CITRATES: 153, 2028, 3548, 3853, 3904, 4046, 4157
CLAMS: 2652
CLEFT LIP: 2491, 3443
CLEFT PALATE: 1750, 2335, 3068, 3443
CLEIDOCRANIAL DYSOSTOSIS: 1261, 3562
CLEMIZOLE: 3705
CLIMACTERIC: 2710, 2740, 2958

CLIMATE: 269, 2477, 2969, 3043
CLINICAL RESEARCH: 95, 165, 264, 337, 454, 467, 537, 757, 766, 957, 975, 1190, 1346, 1568, 1581, 1652, 1712, 1794, 1822, 1835, 1982, 1990, 2078, 2100, 2130, 2305, 2624, 2849, 2939-2940, 3162, 3322-3323, 3355, 3370, 3482, 3523, 3845, 3862, 3931, 4112, 4153, 4174, 4198-4199
CLITORIS: 773, 3579, 4049
CLOFIBRATE: 585, 969, 2568, 2660, 3279, 4174
CLOMIPHENE: 194, 213, 416, 434, 607, 795, 943, 1117, 1206, 1475, 1621, 1651, 1753, 1652, 1659, 2469, 3022, 3147, 3231, 3287, 3316, 3546, 3626, 3683, 3696, 3713, 4096, 4130
CLONE CELLS: 1490, 2069, 2563, 2867, 3069, 3209, 3510, 3516, 3714, 4064
CLONIDINE: 454, 1506
CLOSTRIDIOPEPTIDASE A: 1038, 2154, 2977, 3095
CLOSTRIDIUM: 1038
CLOSTRIDIUM PERFRINGENS: 309
CLUBFOOT: 2481, 3443
COBALT: 16, 671, 1956, 2161, 2551, 2615, 3080
COBALT ISOTOPES: 446, 767, 866, 965, 1539, 1545, 1546, 2765, 3996, 4114
COCAINE: 64, 177, 3360, 3386
COCCIDIOIDOMYCOSIS: 2983
COCHLEA: 2736
COCKROACHES: 1675, 2774, 3114
COCONUT: 3677
CODEINE: 2876, 4025, 4138
COELENTERATA: 730, 2179, 3576
COENZYME A: 568, 1482, 1910, 2934, 3010, 3389
COENZYMES: 752, 2616, 3161, 4044
COFFEE: 794, 1509, 1580
COGNITION: 3280, 3719
COGNITION DISORDERS: 2763
COITUS: 603, 939, 1035, 1425, 1514, 1593, 1669, 2990, 3267, 4123
COLCHICINE: 402, 1976, 2023, 2766, 2876, 2980, 3277, 3595, 3745
COLD: 12, 226, 539, 760, 675, 955, 1381, 1441, 1571, 1594, 1616, 2139, 2163, 2313, 2407, 2580, 2607, 2665, 2976, 3045, 3721, 3895, 3923, 4017, 4019, 4024, 4076, 4102, 4147, 4190
COLECTOMY: 323
COLICINS: 3116
COLIPHAGES: 1375, 2633, 3116
COLITIS, ULCERATIVE: 323, 3198, 3592, 3613
COLLAGEN: 165, 210, 382, 399, 480, 519, 722, 612, 977, 1038, 1084, 1607, 2050, 2077, 2154, 2342, 2569, 2666, 2884, 2977, 3095, 3109, 3164, 3351, 3431, 3571, 3685, 3764, 3865, 3869, 3964, 3968-3969, 4122
COLLAGEN DISEASES: 1654, 2050
COLLATERAL CIRCULATION: 252, 3533
COLLOIDS: 557, 612, 2387, 2427, 3132, 3153, 3524
COLOMBIA: 1193
COLON: 11, 106, 1350, 1955, 2300, 2313, 2493, 3033, 4038
COLONIC DISEASES: 2915
COLONIC DISEASES, FUNCTIONAL: 2915
COLONIC NEOPLASMS: 1007, 1279, 2260, 3010, 3572
COLOR: 1241, 1925, 2662
COLOR PERCEPTION TESTS: 1148
COLORADO: 4156
COLORIMETRY: 50, 447, 1006, 1240, 2400, 2824, 2999, 3020, 3557
COLOSTRUM: 443
COMA: 110, 299, 355, 616, 674, 1550, 2165
COMB AND WATTLES: 3360
COMMON BILE DUCT: 761
COMMUNICABLE DISEASE CONTROL: 717
COMMUNICABLE DISEASES: 58, 310
COMMUNICATION: 417, 4191
COMMUNITY HEALTH SERVICES: 3937
COMMUNITY MENTAL HEALTH SERVICES: 1754
COMPARATIVE STUDY: 1, 53, 63, 123, 125, 137, 165, 227, 264, 288, 313, 316, 361, 441, 494, 509, 515, 548, 586, 638, 716, 768, 649, 667, 691, 1066, 1110, 1146, 1264, 1302, 1549, 1628, 1671, 1712, 1752, 1794, 1902, 1927, 2003, 2149, 2157, 2206, 2305, 2316, 2380, 2384, 2400, 2540, 2604, 2624, 2649, 2672, 2697, 2708, 2739, 2929, 2940, 3170, 3266, 3356, 3423, 3482, 3528, 3675, 3722, 3845, 4022, 4198, 4202
COMPETITIVE BEHAVIOR: 1380
COMPLEMENT: 1310, 1955, 2986, 2992, 3136, 4015
COMPLEMENT FIXATION TESTS: 414, 1170, 1437, 3740
COMPOUND 48-80: 2595, 3154
COMPUTERS: 710, 652, 1219
COMPUTERS, ANALOG: 3619
COMPUTERS, DIGITAL: 343, 724, 2162, 2241, 3161, 3534, 4208
CONCANAVALIN A: 493, 779, 3745, 4064, 4101
CONDITIONING, CLASSICAL: 725, 2206, 3412, 3965
CONDITIONING, OPERANT: 725, 760, 1235, 1380, 1561, 1744, 3120-3121, 3233, 3412, 3560, 3580, 3593, 3642-3643, 4070
CONDITIONING (PSYCHOLOGY): 2285, 3966
CONGO: 3728
CONGRESSES: 1606
CONJUNCTIVITIS: 1602
CONNECTIVE TISSUE: 327, 977, 1376, 1471, 2736, 2964, 3562
CONNECTIVE TISSUE CELLS: 399, 480, 796, 2077, 2342, 2700, 2941
CONSTRICTION: 42, 313, 616, 979, 995, 1584, 2015, 2398, 2501, 2793, 3511, 3561, 3843
CONTACT INHIBITION: 592, 1085, 1150, 2291, 3209, 3703, 4101
CONTINGENT NEGATIVE VARIATION: 3560
CONTRACEPTION: 1459, 1754, 1792, 2126, 2280, 2532, 3201, 3287, 3937
CONTRACEPTIVE AGENTS: 286, 338, 396, 761-762, 1394, 1425, 1631, 2316, 2352
CONTRACEPTIVE DEVICES: 338, 407, 419, 1754, 1792, 3416
CONTRACEPTIVES, ORAL: 162, 194-195, 237, 239, 274, 282, 326, 338, 374, 391, 407, 419, 448, 485, 677, 681, 749, 799-800, 619, 916-917, 960, 1043, 1062, 1135, 1151, 1192, 1368, 1420, 1459, 1473, 1475, 1483, 1493, 1519, 1532, 1542-1543, 1582, 1590, 1622, 1641, 1660, 1664, 1703, 1737, 1754, 1768, 1792, 1810, 1852, 1915, 1920, 1993, 2033, 2080, 2097, 2126, 2144, 2194, 2215, 2234, 2240, 2252, 2280, 2317, 2323, 2352, 2403, 2550, 2556, 2585, 2712, 2747, 2828, 2830, 2861, 2877, 2920, 2928, 2946, 2952, 2960, 3082, 3092, 3155, 3168, 3170, 3177, 3201, 3226, 3239, 3259, 3262, 3272, 3287, 3353, 3416, 3447, 3468, 3476, 3503, 3515, 3521, 3675, 3738, 3770, 3784, 3854, 3932, 3934, 3937, 4023, 4026, 4038, 4123, 4131, 4156, 4160, 4173, 4198-4199, 4203, 4209
CONTRACEPTIVES, POSTCOITAL: 357, 761, 1459, 2157, 2209, 2280, 4123
CONTRACTURE: 235
CONTRAST MEDIA: 564, 2688, 4209
CONTUSIONS: 1148
CONVULSIONS: 574, 616, 936, 1719, 1944, 3056-3057, 3916
COOKERY: 631
COOMBS' TEST: 1323
COPPER: 16, 48, 567, 1033, 1428, 1433, 1445, 2161, 2372-2374, 2423, 2701, 2815, 3101, 3627, 3715
COPROPHAGIA: 1575
CORNEA: 548, 977, 1934, 2476, 2839, 3685, 4106
CORNEAL DYSTROPHIES: 548, 3925
CORNEAL OPACITY: 2846
CORNEAL ULCER: 548
CORONARY CIRCULATION: 1291, 1759, 3173, 3608, 3701-3702
CORONARY DISEASE: 101, 847, 1121, 1533, 1610, 1637, 1654, 2519, 2993, 4174
CORONARY VESSELS: 1610, 3386
CORPORA QUADRIGEMINA: 2852, 3414
CORPUS CALLOSUM: 2852, 3817
CORPUS LUTEUM: 5, 37, 96, 111, 117, 129, 273, 523, 563, 576-579, 603-604, 609-610, 671, 775, 778, 791, 798, 865, 914, 963, 1010, 1256, 1324, 1341, 1398, 1407, 1531, 1553, 1602, 1648, 1659, 1690, 1763, 1648, 1671-1672, 1885, 1937, 2001, 2057-2058, 2106, 2135, 2198, 2226, 2352, 2373-2374, 2423, 2425, 2444, 2514, 2665, 2704, 2739, 2776, 2863, 2890, 2907, 3067, 3358, 3486, 3529-3530, 3596, 3767, 3848, 4013, 4043
CORPUS LUTEUM CYST: 3022, 3169
CORPUS LUTEUM HORMONES: 1626, 3659
CORPUS STRIATUM: 735, 739, 752, 1079, 1535, 1556, 1605, 2505, 2641
CORTICAL DESYNCHRONIZATION: 2386
CORTICOSTERONE: 166, 188, 423, 461, 626, 646, 725, 607, 935, 946, 1115, 1174, 1176, 1204, 1247, 1255, 1305, 1378, 1403, 1441, 1453, 1498, 1619, 1647, 1679, 1749, 1765, 1921, 1938, 1947, 2160, 2247, 2357, 2380, 2630, 2802, 2919, 3011, 3059, 3076, 3115, 3257, 3288, 3337, 3340, 3442, 3484, 3491, 3558, 3705, 3898, 3906, 4053, 4147
CORTICOTROPIN: 7, 9, 23, 31, 102, 161, 188, 217, 414, 446, 462, 484, 534, 551, 632-633, 640, 688, 790, 807, 935, 946, 970, 1031, 1097, 1167, 1259, 1329, 1335, 1503, 1515, 1625, 1647, 1679, 1695, 1765, 1793, 1851, 1876-1877, 1921, 1931, 1985, 2013, 2027, 2051, 2084, 2087, 2160, 2216, 2220, 2267, 2296, 2319, 2328, 2428, 2436, 2443, 2613, 2627, 2630, 2650, 2674, 2691, 2850, 2864, 3001, 3023, 3055, 3077, 3079, 3124, 3166, 3192, 3253, 3255, 3282, 3333, 3337, 3340, 3440, 3442, 3470, 3544, 3550, 3583, 3585, 3645, 3647, 3666, 3734, 3910, 3941, 4072, 4147, 4201
CORTICOTROPIN RELEASING FACTOR: 102, 292, 970, 2376, 3440
CORTISONE: 352, 358, 536, 630, 646, 668, 700, 614, 946, 1042, 1076, 1137, 1179, 1207, 1234, 1252-1254, 1286, 1342, 1462, 1466, 1496, 1502, 1680, 1694, 1750, 1900, 1966, 2019, 2102, 2122, 2176, 2161, 2219, 2223, 2364, 2380, 2420, 2492, 2509, 2519, 2573, 2597, 2609, 2613, 2657, 2667, 2763, 2775, 2896, 2944, 3153, 3243, 3286, 3490, 3645, 3709, 3731-3732, 3742, 3771, 3898, 3909, 3970, 3983, 3998, 4053, 4075, 4153, 4201, 4214
COSMETICS: 356
COSTS AND COST ANALYSIS: 1344, 2596, 4196, 4202, 4204
COUGH: 544, 1887, 3881
COUMARINS: 220, 1801
COUNSELING: 1754, 1766, 1792, 3937
COUNTERCURRENT DISTRIBUTION: 1516
COURTSHIP: 1035, 2429
CRABS: 619, 1431
CRANIAL NERVES: 3817
CRANIAL SINUSES: 3722
CRANIOFACIAL DYSOSTOSIS: 599, 1363, 2461, 2858, 3068, 3562, 3763
CRANIOPHARYNGIOMA: 1130, 1148, 1386, 2077, 2093, 2250, 2584, 2730, 2997, 3775
CRATAEGUS: 467
CREATINE: 1916, 2769
CREATINE KINASE: 695, 1417, 1916, 2166, 2261, 2630, 2865, 3015, 3296, 4120, 4168
CREATININE: 150, 307, 333, 476, 496-497, 513, 648, 880, 887, 934, 1021, 1046, 1294, 1384, 1442, 1615, 1808, 1886, 2047-2048, 2156, 2568, 2658, 2669, 2788, 2824, 2827, 3772, 3855, 4012
CRESOLS: 973, 1921
CRETINISM: 1361, 1524, 3003, 3007
CRIME: 638
CRIMINAL PSYCHOLOGY: 733, 2535
CRONOLONE: 2857
CROSS INFECTION: 1365, 1690
CROSS REACTIONS: 161, 530, 554, 624, 732, 691, 913, 996, 1245, 1315, 1760, 2233, 2316, 2379-2380, 2958, 3204, 3217, 3256, 3615, 3738, 4061
CROSSES, GENETIC: 445, 451, 1903, 3362, 3379, 3424, 3641, 3724
CROSSING OVER (GENETICS): 1362
CROTON OIL: 1370, 2367
CROWDING: 348, 1138
CRUSTACEA: 608, 740, 1269, 3878
CRUTCHES: 2600
CRYING CAT SYNDROME: 1297, 1999
CRYOGENIC SURGERY: 1969, 2358
CRYOGLOBULINS: 2333
CRYPTOCOCCOSIS: 2531, 3943
CRYPTOCOCCUS NEOFORMANS: 3943
CRYPTORCHISM: 483, 528, 2158, 2461, 2608, 2678, 2995, 3489, 3540, 4055, 4057
CRYSTALLINS: 765
CRYSTALLIZATION: 297, 1607, 1889, 2479, 2580, 2637
CRYSTALLOGRAPHY: 2913
CUES: 2285
CULDOSCOPY: 2725, 3078
CULTURE: 2200, 4191
CULTURE MEDIA: 249, 268, 592, 679, 1075, 1150, 1205, 1492, 1596, 1650, 1715, 1910, 1981, 1987, 2073, 2382, 2565, 2664, 2889, 3062, 3089, 3230, 3232, 3234, 3263, 3434, 3480, 3694, 3853, 3981, 4101, 4120
CURARE-LIKE AGENTS: 63, 225, 264, 411, 1169, 1794, 1830, 1965, 2672
CURETTAGE: 162, 1120, 1266, 1314, 1505
CURIUM: 2660
CURRENT BIOG-OBIT: 1333, 1485, 1803, 2127, 2663, 4212
CUSHING'S SYNDROME: 7, 132, 140, 263, 446, 461-462, 496, 551, 633, 768, 641, 647, 965, 1129, 1142, 1296, 1385, 1572, 1585, 1621, 1692, 1705, 1708, 1883, 1985, 2258, 2295, 2338, 2378, 2428,

2443, 2503, 2827, 2859, 2973, 3323, 3384, 3399, 3547, 3845, 3885-3866, 3924, 4008, 4022, 4072, 4082, 4129, 4154, 4159
CUTIS LAXA: 715
CYANATES: 689, 3080
CYANIDES: 189, 336, 1639, 1963, 3080, 4051
CYANOGEN BROMIDE: 1559, 1727, 3680
CYANOSIS: 2685, 2904
CYBERNETICS: 1249
CYCLIC S-OXIDES: 1604
CYCLIZATION: 2189, 3016, 3887
CYCLOFENIL: 3515
CYCLOHEPTANES: 1852
CYCLOHEXANE: 1051, 2209, 2330, 3826, 4076
CYCLOHEXANECARBOXYLIC ACIDS: 1925, 2209
CYCLOHEXANOL: 4078
CYCLOHEXIMIDE: 405, 1175, 1492, 1644, 1700, 1816, 1978, 2089, 2073, 2330, 2791, 2633, 2950-2951, 2961, 3069, 3242, 3277
CYCLOPENTANE: 804, 649, 4211
CYCLOPHOSPHAMIDE: 80, 155, 281, 337, 455, 550, 568, 564, 875, 951, 1104, 1139-1140, 1155, 1171, 1199, 1318, 1325, 1417, 1801, 1816, 1822, 1904, 2004, 2138, 2237, 2375, 2414, 2705, 2769, 2912, 3166, 3218, 3535, 3814, 3874, 3863, 3963
CYCLOSTEROIDS: 3138
CYCLOSTOMES: 371, 2553
CYPRINIDAE: 1364, 1777, 3630, 3844
CYPROHEPTADINE: 1331, 1712, 1982, 2925
CYPROTERONE: 74, 195, 220, 449, 792, 994, 1250, 1304, 1404, 1459, 2096, 3234, 3672, 3691, 3949, 4030-4031
CYSTADENOCARCINOMA: 622, 1292, 1954, 3189
CYSTADENOMA: 1265, 1874, 3189, 3906, 4010
CYSTADENOMA, MUCINOUS: 622, 655, 1954, 3747
CYSTADENOMA, PAPILLARY: 855, 1683, 3747, 3866, 3919
CYSTAMINE: 3196
CYSTATHIONINE: 2099
CYSTEINE: 433, 1055, 1559, 2099, 2103, 2293, 2441, 3670, 3903
CYSTIC FIBROSIS: 209, 1364, 1422, 1498, 3086, 3812, 3853, 4082
CYSTINE: 408, 1888, 2096
CYSTITIS: 1323
CYSTOSCOPY: 24, 3888
CYSTS: 764, 1195, 1874, 1605, 1913, 2115, 2352, 2479, 2652, 3239
CYTARABINE: 1139, 1155, 1589, 1802, 1680, 1662, 1988, 2769, 2871, 2901, 3218, 3277
CYTIDINE: 658, 950, 3331, 3539
CYTOCHALASIN B: 511, 1551
CYTOCHROME C: 134, 1875, 2103, 2175, 2499, 4045
CYTOCHROME OXIDASE: 1420, 1779, 1675, 4045
CYTOCHROME P-450: 588, 1158, 1468, 1940, 2121, 2243, 2438, 3276, 3383, 3872
CYTOCHROME REDUCTASES: 654, 1466, 1675, 1940
CYTOCHROMES: 588, 1075, 3058
CYTODIAGNOSIS: 289, 272, 367, 1124, 1624, 2422, 3302, 3486
CYTOGENETICS: 387, 756, 770, 1201, 1733, 1919, 2010, 2535, 3527, 4175
CYTOLOGICAL TECHNICS: 341, 482, 1216, 1824, 2220, 2563, 2717, 3126, 3595, 4064
CYTOMEGALIC INCLUSION DISEASE: 2685
CYTOPATHOGENIC EFFECT, VIRAL: 1976, 2505, 2839, 3254, 3709, 4075
CYTOPLASM: 189, 161, 249, 301, 950-951, 972, 1428, 1431, 1494, 1599, 1648, 1701, 1671, 1910, 2054, 2114, 2208, 2288, 2291, 2395, 2574, 2586, 2870, 2717, 2941, 3100, 3242, 3310-3311, 3389, 3408, 3518, 3876, 3753, 3802, 3821, 4017
CYTOPLASMIC GRANULES: 187, 399, 447, 702, 798-797, 951, 1067, 1202, 1239, 1383, 1407, 1424, 1843, 1818, 2053, 2101, 2226, 2312, 2345, 2457, 2810, 2812, 2941, 3065, 3113, 3193, 3583, 3802
CYTOPLASMIC STREAMING: 1085, 1118
CYTOSINE NUCLEOTIDES: 2327, 3000
CYTOSOL: 74, 857, 862, 962, 1174-1176, 1243, 1250, 1320, 1435, 1476, 1597, 1702, 1753, 1859, 1918, 1951, 2046, 2247, 2287, 2560, 2792, 3005, 3103-3104, 3185, 3331, 3581, 3716
CYTOTOXICITY TESTS, IMMUNOLOGIC: 242, 834, 855, 887, 1069, 1323, 2219, 3277, 3740, 3798
DACTINOMYCIN: 291, 476, 566, 858, 637, 1461, 1492, 1700, 1976, 2068-2069, 2073, 2176, 2266, 2755, 2802, 2950-2951, 2961, 3075, 3089, 3242, 3277, 3490, 3496, 3591, 3694, 3792, 3852, 3894
DAHOMEY: 3728
DAIRY PRODUCTS: 3043
DAIRYING: 567, 1070
DANDY-WALKER SYNDROME: 2852
DANSYL COMPOUNDS: 94, 765, 2103, 2293, 2441, 4095
DAPSONE: 1696, 3040
DARK ADAPTATION: 354, 2349
DARKNESS: 166, 295, 1138, 1270, 1525, 1664, 3903
DAUNOMYCIN: 1155, 1589, 2841, 2871, 3218
DDD: 62, 461, 551, 649, 1503, 2258, 2443, 2542
DDE: 649, 2542
DDT: 645, 649, 2542
DEAF-MUTISM: 502, 1361
DEAFNESS: 315, 331, 1310, 2246, 2608, 3507
DEALKYLATION: 2243
DEATH, SUDDEN: 58
DEBRIDEMENT: 466, 1154
DECALCIFICATION, PATHOLOGIC: 2540, 2945
DECALCIFICATION TECHNIC: 863, 1143, 3431
DECARBOXYLATION: 256
DECIDUA: 609, 2057-2058, 2198, 2339, 2589, 3178
DECISION MAKING: 417
DEER: 458, 998
DEFECATION: 3368
DEFICIENCY DISEASES: 48, 272, 1073, 1193, 1445, 2195, 2354, 2686-2687, 2754, 3003, 3051, 3058-3059, 3061, 3415, 3532, 3677, 3684, 4166
DEGLUTITION: 3861
DEGLUTITION DISORDERS: 1157, 1447, 2246
DEHYDRATION: 402, 703, 818, 1957, 2568, 3726
DEHYDROCHOLIC ACID: 794
DEHYDROEPIANDROSTERONE: 71, 79, 94, 101, 396, 575, 880, 1035, 1059, 1152, 1204, 1304, 1392, 1403, 1596, 1620, 1918, 1961, 1987, 1971, 2479, 2534, 2564, 2583, 2631-2632, 2680, 2834, 3073, 3343, 3349, 3386, 3441, 3652, 3666, 3704, 4021, 4100
DELAYED-ACTION PREPARATIONS: 448, 688, 1335, 1459, 1621, 2149, 2435, 3397, 3518, 3971
DELIVERY: 71, 196, 1734, 1646, 2280, 2515, 3052, 3838
DELIVERY OF HEALTH CARE: 417
DEMYELINATION: 577, 841, 1935, 2505, 3442
DENDRITES: 25, 2475
DENERVATION: 342, 1328, 1393, 1415, 1767, 1795, 2704, 3056, 3085, 3702
DENGUE: 2947
DENSITOMETRY: 50, 128, 1289, 1607, 1975, 2242, 2892, 2842
DENSITOMETRY, X-RAY: 377, 403, 541, 1579, 2151
DENTAL ALLOYS: 1623
DENTAL AMALGAM: 1623
DENTAL CALCULUS: 1157, 3312
DENTAL CARE: 3762
DENTAL CARIES: 1157, 2540
DENTAL CARIES SUSCEPTIBILITY: 2661
DENTAL ENAMEL: 2540, 2782, 3865
DENTAL IMPLANTATION: 1623
DENTAL MATERIALS: 1823
DENTAL OCCLUSION, TRAUMATIC: 221, 254
DENTAL PLAQUE: 3312
DENTAL PULP: 1494, 3991
DENTAL PULP CAPPING: 1494
DENTAL PULP DISEASES: 2872
DENTAL PULP EXPOSURE: 1494
DENTIN: 1607, 2762, 3774, 3865
DENTINOGENESIS: 3865
DEOXYADENOSINE: 1976
DEOXYCHOLIC ACID: 983, 3853
DEOXYRIBONUCLEASE: 249, 1592, 2908, 3215, 4053
DEOXYRIBONUCLEOSIDES: 2769
DEOXYURIDINE: 1669, 3198
DEPRESSION: 315, 749, 800, 929, 1452, 1712, 2059, 2241, 2605, 3544, 3733, 3754, 4203
DEPRESSION, CHEMICAL: 29, 45, 64, 76, 148, 169, 211, 243, 288, 336, 357, 389-390, 428, 496, 510, 546, 826, 630, 666, 701, 623, 1021, 1031, 1035, 1098, 1165, 1277, 1327, 1340, 1366-1367, 1413, 1448, 1569, 1633, 1669, 1721, 1763, 1897, 1912, 1936, 1960, 2027-2028, 2121, 2189, 2206, 2209, 2273, 2300, 2376, 2397, 2504, 2513, 2603, 2642, 2694, 2701, 2727, 2732, 2756, 2764, 2791, 2816, 2897, 3089, 3192, 3244-3245, 3267, 3331, 3352, 3459, 3529, 3574, 3595, 3662-3664, 3907, 4051, 4076, 4080
DERMABRASION: 1620
DERMATITIS: 738, 3482
DERMATITIS, ATOPIC: 244, 1962, 2470, 2838, 3250, 3295
DERMATITIS, CONTACT: 244, 356, 3106
DERMATITIS EXFOLIATIVA: 2636
DERMATITIS HERPETIFORMIS: 1698
DERMATITIS MEDICAMENTOSA: 356, 3250, 3494
DERMATOGLYPHICS: 160, 196, 262, 1716, 2010, 3068, 3527
DERMATOLOGIC AGENTS: 2638
DERMATOMYCOSIS: 244, 1764, 3355
DERMATOMYOSITIS: 1296, 3613
DERMOID CYST: 1674, 2141, 2975
DESENSITIZATION: 685, 3334
DESIPRAMINE: 222, 342, 1535
DESMOSOMES: 480, 2077, 2652, 2921
DESMOSTEROL: 2554
DESOXYCORTICOSTERONE: 461, 935, 1021, 1174, 1176, 1403, 1444, 1482, 1819, 1632, 1681, 1749, 1694, 1977, 2121, 2248, 2273, 2480, 2511, 2517, 2770, 3011, 3509, 3826, 3833, 3855
DETERGENTS: 1218
DEUTERIUM: 137, 670, 1905, 2580
DEUTEROMYCETES: 1905
DEVELOPING COUNTRIES: 1450, 3201
DEXAMETHASONE: 9, 161, 231, 263, 423, 446, 462, 496, 657, 894, 715, 768, 607, 615, 909, 1031, 1057, 1129, 1152, 1174, 1165-1166, 1217, 1220, 1223, 1259, 1325, 1329, 1332, 1378, 1447, 1506, 1515, 1784, 1809, 1651, 1694, 1963, 1965, 2013, 2073, 2139, 2256, 2316, 2376, 2390, 2426, 2430-2431, 2443, 2614, 2746, 2839, 2938, 3070, 3089, 3192, 3202, 3257, 3300, 3323, 3331, 3333-3334, 3340, 3438, 3465, 3518, 3810, 3787, 3795, 3802, 3900, 3941, 3959, 3974, 3976, 4085, 4100, 4147, 4211
DEXTRAN: 530, 2746, 2624, 2958, 3103, 3204, 3738
DEXTRO AMPHETAMINE: 148, 1331, 2892, 2999, 3499, 3637, 3896
DEXTROMETHORPHAN: 2876
DEXTROMORAMIDE: 1212
DEXTROTHYROXINE: 585, 4174
DIABETES INSIPIDUS: 57, 140, 236, 333, 624, 922, 981, 1024, 1134, 1264, 1421, 1816, 1930, 2093, 2250, 2376, 2445, 2516, 2518, 2568, 2584, 2594, 2764, 2772, 2860, 2932, 3806, 4026, 4204
DIABETES MELLITUS: 26, 76, 125, 179, 208, 468, 686, 835, 1042, 1157, 1224, 1310, 1509, 1543, 1554, 1581, 1696, 1698, 1895, 1959, 2097, 2246, 2629, 2676, 2728, 2761, 2775, 2698, 3291, 3302, 3384, 3439, 3541, 3812, 3837, 3854, 3858, 4022, 4087, 4182, 4171
DIABETES MELLITUS, JUVENILE: 131, 1473, 1758, 2080, 2698
DIABETIC ANGIOPATHIES: 2420
DIABETIC COMA: 3897
DIABETIC DIET: 1758, 3291
DIABETIC NEPHROPATHIES: 2516
DIABETIC NEUROPATHIES: 2246
DIABETIC RETINOPATHY: 2244
DIACETYLMORPHINE: 1447, 1754
DIAGNOSIS: 21, 3367
DIAGNOSIS, COMPUTER ASSISTED: 377, 3866, 4208
DIAGNOSIS, DIFFERENTIAL: 43, 132, 160, 224, 230, 252-253, 275, 317, 321, 331, 519, 733, 764, 768, 872, 917, 1004, 1101, 1128, 1133, 1160, 1170, 1195, 1210, 1268, 1272, 1342, 1361, 1476, 1526, 1560, 1674, 1723, 1772, 1656, 1862, 1913, 1919, 1935, 1996-1997, 2041, 2056, 2071, 2123, 2131, 2146, 2176, 2239, 2260-2261, 2271, 2343, 2359, 2422, 2424, 2443, 2526, 2531, 2859, 2870, 2731, 2838, 2858, 2929, 2936, 2956, 2964, 2997, 3086, 3106, 3131, 3169, 3214, 3313, 3319, 3328, 3348, 3428, 3461, 3470, 3502, 3507, 3597, 3620, 3683, 3707, 3801, 3887, 3915, 3922, 3924, 3992, 4026, 4050, 4140, 4162-4163, 4177, 4205-4207
DIAGNOSIS, LABORATORY: 685
DIAGNOSIS, SURGICAL: 2325, 3784
DIAGNOSTIC ERRORS: 1268, 1347, 1540, 2346, 2381, 3784
DIALYSIS: 256, 371, 532, 1244, 1419, 1476, 1527, 1680, 1885, 2321, 2395, 2426, 2557, 3032-3033, 3096, 3383, 3506, 3583, 3640
DIAPHRAGM: 487, 718, 1250, 1467, 2459, 3510, 3517, 3972
DIAPHRAGMATIC HERNIA: 1874
DIARRHEA: 178, 544, 715, 1002, 1056, 1266, 1430, 1445, 1585, 1646, 2811, 2766, 2914, 3081, 3523, 3946, 4032
DIATRIZOATE: 1894, 2459

DIAZEPAM: 564, 694, 1022, 1501, 1925, 2078, 3728, 3916, 4164
DIAZOXIDE: 3288
DIBENAMINE: 3673
DIBENZAZEPINES: 3222
DIBUCAINE: 3386, 3411, 3705
DICARBOXYLIC ACIDS: 243, 3685
DICHLOROISOPROTERENOL: 3451
DICHLORVOS: 2006
DIELDRIN: 2542
DIENCEPHALON: 353, 735, 739, 1235, 1605, 1670, 1916, 1944, 2364, 2641, 3473, 3513
DIET: 3, 23, 166, 307, 437, 457, 576, 647, 683, 959, 1021, 1073, 1098, 1245, 1307, 1455, 1467, 1615, 1735, 1773-1774, 2043, 2074, 2145, 2428, 2562, 2648, 2885, 2714, 2760, 2810, 2825, 3003, 3011, 3051, 3160, 3266, 3415, 3593, 3634, 3756, 3917, 3964, 3995, 4003, 4098, 4112
DIET, ATHEROGENIC: 2377
DIET, CARIOGENIC: 1157
DIET, REDUCING: 92, 319, 2766, 3743
DIET, SALT-FREE: 363, 760, 2048, 3509, 3800, 3830, 3904
DIET THERAPY: 179, 244, 438, 565, 632, 907, 1055, 1091, 1194, 1509, 1608, 1620, 2689, 2816, 2638, 3043, 3159, 3161, 3237, 3279, 3648, 3756, 4194
DIETARY CARBOHYDRATES: 1073, 1273, 2125, 3159, 3242, 4102, 4166
DIETARY FATS: 179, 567, 611, 1073, 1159, 1273, 3242, 3677, 4102, 4141
DIETARY PROTEINS: 200, 339, 415, 438, 959, 1016, 1073, 1270, 1273, 1565, 1608, 2437, 2446, 2453, 2560, 2606, 2763, 3159-3160, 3415, 3684, 3904, 4094, 4107, 4188
DIETETICS: 3756
DIETHYLSTILBESTROL: 129, 349, 357, 376, 562, 688, 1243, 1324, 1659, 2033, 2157, 2305, 2353, 2669, 2693, 2747, 3260, 3427, 3506, 3635, 3720, 3997, 4197
DIFFERENTIAL THRESHOLD: 1255
DIFFUSION: 189, 3089, 3317, 3397, 3404
DIGESTIVE SYSTEM: 508, 1797, 2736, 3443
DIGITALIS GLYCOSIDES: 1122, 1145, 1637, 2175, 4082
DIGITONIN: 2175, 2525, 3008
DIGITOXIN: 1202, 4025, 4211
DIGOXIN: 203, 333, 1145, 1545, 4025
DIHYDROSTREPTOMYCIN: 2258
DIHYDROTACHYSTEROL: 328, 827, 1034, 2044, 3543
DIHYDROXYCHOLECALCIFEROLS: 1516
DIIODOTYROSINE: 295, 627, 1970
DILATATION: 471, 979, 1768, 1863, 2278, 2492, 3288, 4195
DIMERCAPROL: 1055, 1419, 3879
DIMETHISTERONE: 391, 2234
DIMETHYL SULFOXIDE: 450, 511, 1305-1306, 1385, 1802, 2643, 3322
DIMETHYLAMINES: 213, 288, 4076
DIMETHYLFORMAMIDE: 3018, 4029
DINITROPHENOLS: 12, 45, 143, 189, 750, 1011, 1482, 1644, 1875, 1978, 2102, 2120, 2186, 2356, 2408, 3090, 3380, 4051
DIOXOLES: 735, 2980
DIPEPTIDES: 2519, 2613
DIPHENADIONE: 1801
DIPHENHYDRAMINE: 694, 1238, 1894
DIPHENOL OXIDASES: 1241, 3407, 3409
DIPHENYLACETIC ACIDS: 1697, 2235
DIPHENYLHYDANTOIN: 231, 274, 706, 1245, 1719, 1963, 2184, 2798, 3547, 3557, 3567, 4085
DIPHOSPHOGLYCERIC ACIDS: 2520, 3083
DIPHTHERIA TOXOID: 2552
DIPLOCOCCUS PNEUMONIAE: 3615
DIPLOIDY: 464, 860, 1023, 1150, 2842, 3534, 3714
DIPTERA: 613, 2085, 3717
DIPYRIDAMOLE: 2802, 2897, 3969
DISABILITY EVALUATION: 2989
DISCRIMINATION LEARNING: 1707, 3280, 4070
DISEASE MODELS, ANIMAL: 438, 640, 882, 921, 1206, 1395, 1402, 1575, 1806, 2033, 2551, 2569, 2754, 2976, 3186, 3431, 3511, 3980, 4114, 4181
DISEASE OUTBREAKS: 453
DISEASE RESERVOIRS: 998
DISEASE VECTORS: 2596
DISEASES IN TWINS: 60, 628, 1146, 2260, 2314, 2608, 3007, 3460
DISGERMINOMA: 252, 344, 359, 655, 763, 991, 1747, 2093, 2274, 2765, 3066, 3107, 3347, 3437, 3497, 3535, 3790, 3875, 3940, 3947, 4084, 4117
DISODIUM CROMOGLYCATE: 957, 1666, 2087, 3485, 3810
DISSEMINATED INTRAVASCULAR COAGULATION: 999, 3463, 3720
DISULFIDES: 356, 859, 1158, 2293, 2441, 3769
DISULFIRAM: 1331
DITHIOTHREITOL: 433, 1419, 3917
DIURESIS: 255, 287, 430, 512, 703, 1021, 1046, 2091, 2139, 2155-2156, 2273, 2517-2518, 2568, 2584, 2658, 2764, 2827, 2860, 2982, 3309, 3800, 3806, 3855, 4003, 4204
DIURETICS: 154, 274, 363, 438, 661, 1089, 1134, 1154, 1637, 1620, 2415, 2722, 2788, 2794, 3139, 3214, 3468, 3823
DIURETICS, MERCURIAL: 565, 1134
DIVING: 238
DMPP: 752
DNA: 204, 209, 212, 406, 517, 553, 581, 621, 658, 745, 756, 772, 665, 679, 1085, 1105, 1150, 1175, 1205, 1240, 1270, 1337, 1339, 1468, 1492, 1520, 1606, 1650, 1684, 1716, 1761, 1779, 1616, 1951, 2043, 2109-2110, 2161, 2162, 2220, 2341, 2367, 2370, 2391, 2440, 2470, 2686-2687, 2689, 2789, 2836, 2666, 3012, 3019, 3060, 3163, 3212, 3261, 3526, 3546, 3595, 3602, 3668, 3730, 3850, 3861, 3894, 3987, 4001, 4082, 4107, 4120-4121
DNA, BACTERIAL: 2120, 2635, 3050
DNA, NEOPLASM: 1400, 1669, 2962, 3331, 3534, 3668, 3703
DNA REPAIR: 3015
DNA REPLICATION: 1362, 3691
DNA, SINGLE STRANDED: 2120
DNA, VIRAL: 2633
DNA VIRUSES: 3850
DOG DISEASES: 76, 430, 508, 1102, 1446, 1784, 2231, 2393, 2773, 2983, 3797
DOGS: 6, 19, 35, 40, 76, 151, 163, 189-190, 214, 241, 251, 255, 287-288, 336, 430, 451, 504, 508, 531, 580, 623, 636, 640, 652, 659, 661, 676, 703, 705, 744, 606, 869, 881, 979, 996, 1016, 1024, 1036, 1102, 1123, 1169, 1217, 1265, 1300, 1352, 1381, 1415, 1418, 1446, 1448-1449, 1459, 1503, 1604, 1623-1624, 1720, 1769, 1762, 1784, 1787, 1799, 1899, 1911, 1969, 2031, 2156, 2166, 2170, 2178, 2231, 2259, 2267, 2273, 2282, 2376, 2393, 2428, 2458, 2473, 2501, 2519, 2577, 2614, 2617, 2647, 2746, 2768, 2773, 2782, 2815, 2867, 2884, 2887-2888, 2891, 2925, 2965, 2969, 2983, 2993, 3077, 3085, 3090, 3113, 3117, 3192, 3217, 3309, 3419, 3456, 3475, 3504, 3607, 3617, 3645, 3701-3702, 3721, 3786, 3797, 3913, 3958, 4020, 4035, 4059, 4063, 4082, 4111, 4119
DOPA: 256, 462, 526, 586, 673, 752, 1108, 1130, 1428, 1449, 1508, 1720, 2060, 2165, 2616, 2641, 2791, 2824, 2991, 3098, 3127, 3206, 3440, 3568, 3754, 4171
DOPA DECARBOXYLASE: 256
DOPAMINE: 20, 256, 336, 348, 459, 526, 673, 735, 780, 817, 1237, 1426, 1440, 1508, 1535, 1556, 1605, 1720, 1838, 1977, 2040, 2060, 2264, 2315, 2371, 2456, 2641, 2824, 2892, 2923, 3056, 3098, 3127, 3407, 3452, 3499, 3617, 3673, 3723, 3895-3896, 3980
DOPAMINE BETA HYDROXYLASE: 20, 1720, 1977, 2575, 3471
DOSAGE FORMS: 738, 3913
DOSE-RESPONSE RELATIONSHIP, DRUG: 73, 103, 159, 215, 231, 313, 413, 442, 515, 561, 658, 713, 744, 760-762, 823, 854, 901, 953, 1002, 1028, 1164, 1172, 1174, 1220, 1267, 1302, 1332, 1356, 1380, 1416, 1418, 1488, 1517, 1624, 1627, 1678, 1714, 1789, 1801, 1845, 1852, 1977, 2020, 2057, 2062, 2121, 2150, 2157, 2212, 2243, 2301, 2303, 2384, 2386, 2558-2559, 2641, 2651, 2672, 2767, 2849, 2958, 3120, 3134, 3208, 3255, 3260, 3289, 3305, 3337, 3493, 3602, 3637, 3781, 3866, 3872, 3896, 3906, 3922, 3953, 4080, 4199
DOSE-RESPONSE RELATIONSHIP, RADIATION: 2483, 4114
DRAINAGE: 974, 1056, 1068, 1325, 2000, 4085
DRINKING: 1095, 1509, 2568, 3560, 3692, 3930, 4070
DRINKING BEHAVIOR: 639, 1024, 1444, 1561, 1735, 1744, 2093, 2285, 2290, 2456, 2518, 2844, 3120-3121, 3953, 3966
DRIVE: 3637
DROSOPHILA: 1639, 1797, 3379, 3729
DROSOPHILA MELANOGASTER: 698, 1257, 1362, 1797, 2014-2015, 2308, 2340, 2979, 3000, 3362, 3424, 3551, 3691, 3724, 3773, 3954
DRUG ABUSE: 253, 1754, 2254, 2532, 3700, 4197, 4203
DRUG ADDICTION: 1447, 2384, 4078
DRUG ANTAGONISM: 853, 1416, 1554, 2068
DRUG COMBINATIONS: 241, 326, 448, 564, 799, 1045, 1212, 1433, 1627, 1990, 2032, 2098, 2252, 2305, 2352, 2624, 2712, 2766, 3168, 3182, 3322, 3334, 3516, 3521-3522, 3660, 3754, 3770, 3762, 3795, 3806, 3882, 4031, 4145, 4160, 4199, 4204
DRUG COMPOUNDING: 621
DRUG CONTAINERS AND CLOSURES: 621
DRUG HYPERSENSITIVITY: 717, 868, 1090, 1296, 1447, 1694-1695, 2398, 2455, 2752, 3307, 3606, 4028, 4204
DRUG INDUSTRY: 284, 2119, 2363, 3963
DRUG INTERACTIONS: 147, 286, 411, 549, 673, 713, 739, 766, 823, 923, 1099, 1115, 1119, 1145, 1220, 1322, 1331, 1416, 1720, 1759, 1936, 1938, 2060, 2681, 2798, 3145, 3208, 3222, 3270, 3388, 3451, 3515, 3761, 3767, 4002, 4089, 4097, 4209
DRUG LABELING: 621
DRUG RESISTANCE: 281, 860, 1292, 2901, 3286, 3745, 3793
DRUG RESISTANCE, MICROBIAL: 1371, 1458, 1890, 2282, 3913, 4033
DRUG STABILITY: 62, 79, 116, 658, 671, 1223, 1240, 1322, 1516, 1632, 1680, 1767, 2173, 3080, 3137, 3710, 4063, 4124
DRUG STORAGE: 1632, 1671
DRUG SYNERGISM: 35, 53, 63, 72, 104, 243, 325, 515, 524, 561, 584, 673, 832, 865, 671, 995, 1223, 1238, 1267, 1299, 1317, 1328, 1338, 1417, 1421, 1517, 1721, 1790, 1965, 2156, 2160-2161, 2303, 2315, 2372, 2374, 2427, 2495, 2521, 2560, 2613, 2704, 2798, 2802, 2805, 2816, 2837, 2916, 2952, 2992, 3089, 3162, 3167, 3216, 3282, 3315-3317, 3456, 3637, 3955, 3975, 4002, 4079-4080, 4082
DRUG THERAPY: 1671, 2551, 2747, 3468, 4197, 4203, 4209
DRUG TOLERANCE: 667, 677, 1225, 1385, 1942, 2384, 4076, 4133
DRUG WITHDRAWAL SYMPTOMS: 217, 667, 1664, 2384, 4076
DRUGS: 713, 1344
DTPA: 2577, 2660, 2887-2888, 3143
DUCKS: 121, 593, 2121, 2326, 2355
DUCTUS ARTERIOSUS: 995
DUCTUS ARTERIOSUS, PATENT: 995
DUMPING SYNDROME: 1056
DUODENAL NEOPLASMS: 3294, 3616
DUODENAL OBSTRUCTION: 3616
DUODENAL ULCER: 334, 1180, 1449, 3237, 3616, 3929
DUODENUM: 6, 186, 190, 223, 1188, 2011, 2095, 2727, 3425, 3884, 4047
DURA MATER: 4164
DUST: 589, 3334
DWARFISM: 60, 208, 315, 528, 599, 722, 954, 1102, 1177, 1187, 1379, 1495, 1924, 2056, 2229, 2446, 2678, 2745, 2808, 2826, 2846, 2858, 3348, 3466, 3562, 3620, 3707, 3813, 4105
DWARFISM, PITUITARY: 140, 318, 1039, 1386, 1497, 1924, 3176, 3466, 3650, 3707, 3841
DYDROGESTERONE: 195
DYES: 40, 371, 1068, 3371, 4067
DYSCHONDROPLASIA: 1261
DYSLEXIA: 3839
DYSMENORRHEA: 833, 1631, 2550
DYSPNEA: 904, 1564, 1609, 1887, 2685, 3241
EAR: 3581
EAR, EXTERNAL: 2461
EATING: 127, 1561, 2090, 2810, 2844, 3121, 3233, 3593, 3692, 3930, 4070
ECCENTRO- OSTEOCHONDRODYSPLASIA: 954, 2728, 3466, 3562
ECDYSONE: 3717
ECHINOCOCCOSIS: 4116
ECHOCARDIOGRAPHY: 373
ECOLOGY: 3878
ECONOMICS, MEDICAL: 791
ECTHYMA, CONTAGIOUS: 3254
ECTODERM: 112
ECZEMA: 244, 350, 726, 757, 975, 1568, 1802, 1982, 2838, 2940, 3106
EDEMA: 15, 59, 899, 971, 1246, 1445, 1662, 2415, 2901, 3092, 3154, 3438, 3823, 3855
EDENTATA: 1724
EDROPHONIUM CHLORIDE: 1097

EDTA: 45, 141, 292, 474, 598, 653, 651, 881, 1055, 1165, 1214, 1551, 1643, 1807, 2120, 2161, 2635, 3762, 3765, 3879
EDUCATION, MEDICAL: 21, 3367
EDUCATION, MEDICAL, UNDERGRADUATE: 3072
EDUCATIONAL STATUS: 3416
EELS: 512, 1629, 2133
EGG PROTEINS: 679, 2310, 2805
EGG YOLK: 679, 2696
EGGS: 165
EGYPT: 3291, 4188
EHLERS-DANLOS SYNDROME: 160
EIMERIA: 1486
EJACULATION: 1035, 1593, 1661, 1667, 2345
ELASTIC TISSUE: 612, 3571
ELASTICITY: 382, 504, 3889
ELBOW JOINT: 2600
ELECTRIC CONDUCTIVITY: 1431, 3800, 4099
ELECTRIC COUNTERSHOCK: 661
ELECTRIC ORGAN: 2, 141
ELECTRIC STIMULATION: 39, 47, 63-84, 107, 124, 127, 151, 158, 192, 247, 312, 574, 614, 639, 744, 830, 968, 970, 993, 1163, 1219, 1235, 1237, 1413, 1511, 1800, 1719, 1912, 1934, 1944, 1979, 2006, 2030, 2140, 2313, 2394, 2674, 2691, 2802, 2869, 2692, 3004, 3045, 3121, 3233, 3285, 3387, 3412, 3426, 3453, 3561, 3642-3643, 3848, 3896, 3944, 3991, 4070, 4111
ELECTROCARDIOGRAPHY: 73, 315, 454, 516, 647, 1111, 1291, 1310, 1342, 1501, 1837, 1737, 2010, 2166, 2450, 2703, 2768, 3123, 3270, 3344, 3461, 3609, 3865, 3926, 3932, 4028, 4162, 4174
ELECTROCOAGULATION: 2394, 2862
ELECTRODES: 984, 968, 1405, 2222, 2241
ELECTRODES, IMPLANTED: 127, 151, 574, 1235, 2674, 3004, 3121, 3233, 3412, 3560, 3832, 3642-3643, 3944, 3985, 4070
ELECTROENCEPHALOGRAPHY: 260, 299, 315, 936-937, 1050, 1079, 1187, 1310, 1395-1398, 1575, 1712, 1664, 1935, 1942, 2010, 2016, 2060, 2235, 2251, 2384, 2386, 2394, 2450, 2544, 2703, 2730, 2985, 3071, 3135, 3513, 3560, 3568, 3832, 4149
ELECTROLYTES: 430, 478, 2450, 2808
ELECTROMAGNETICS: 2779
ELECTROMYOGRAPHY: 1280, 1396, 1793, 2002, 2261, 2331, 2486, 2581, 4042
ELECTRON PROBE MICROANALYSIS: 689, 4092
ELECTRON SPIN RESONANCE: 1701, 1637, 2579-2580, 2762, 3276, 3444
ELECTRON TRANSPORT: 45, 1191, 2103, 2175, 2886, 3090, 3621
ELECTROOCULOGRAPHY: 1396
ELECTROPHORESIS: 6, 102, 443, 880, 996, 1158, 1702, 1752, 2308, 2575, 2609, 2696, 2723, 2761, 2982, 3008, 3063, 3164, 3351, 3694, 3760, 3820, 3879, 3942, 3968
ELECTROPHORESIS, DISK: 532, 558, 755, 1326, 1348, 1377, 1611, 1646, 2383, 2441, 2816, 2855, 2894, 3132, 3501, 3710, 3717, 3769, 3820
ELECTROPHORESIS, PAPER: 250, 428, 659, 933, 1158, 1207, 1896, 1727, 1729, 1914, 1970, 2025, 2099, 2293, 2441, 2482, 2525, 2651, 2802, 3215, 3884, 4063, 4095
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 74, 114, 161, 525, 545, 654, 837, 1100, 1127, 1223, 1320, 1348, 1478, 1611, 1727, 1740, 1780, 1859, 2069, 2177, 2310, 2321-2322, 2441, 2480, 2751, 3003, 3033, 3044, 3111, 3144, 3169, 3217, 3331, 3377, 3383, 3815, 3685, 3716, 3760, 3769, 3778, 3826, 3834, 3863, 3880, 3921, 3954, 4038, 4047
ELECTROPHORESIS, STARCH GEL: 68, 239, 303, 309, 624, 2294, 2395, 2570, 2897, 2902, 3818, 3826, 4072
ELECTROPHYSIOLOGY: 2, 6, 169, 399, 718, 1413, 1736, 2088, 2313, 2553, 2593, 2674, 2681, 2831, 2937, 4003, 4149
ELECTROSHOCK: 127, 348, 725, 1255, 1380, 2285, 3381, 3794, 3965
ELECTROTHERAPY: 2176, 3043
ELEMENTS: 1273, 1457
ELLIS-VAN CREVELD SYNDROME: 3562
EMACIATION: 1696, 2364
EMBOLISM: 331, 619, 3577
EMBOLISM, FAT: 280, 3817
EMBRYO: 51, 361, 491, 646, 663, 976, 1094, 1273, 1987, 2094, 3209, 3230, 3658, 4019
EMBRYOTOMY: 3838
EMERGENCIES: 1210, 2231, 2942
EMIGRATION AND IMMIGRATION: 1615, 2419, 4191
EMOTIONS: 2041, 2275, 2693, 3043, 3965
EMPLOYMENT: 733, 3416
ENCEPHALITIS: 2983
ENCEPHALITOGENIC BASIC PROTEINS: 554
ENCEPHALOMALACIA: 1860
ENCEPHALOMYELITIS: 2505, 3442
ENCEPHALOMYOCARDITIS VIRUSES: 2572
ENDOCARDIAL FIBROELASTOSIS: 1654, 2190
ENDOCARDITIS: 220, 2531
ENDOCARDITIS, BACTERIAL: 2531
ENDOCRINE DISEASES: 33, 63, 140, 210, 379, 813, 647, 1390, 1460, 1513, 1654, 1668, 1870, 1705, 2050, 2097, 2488, 2588, 2829, 2922, 3081, 3240, 3384, 3399, 3436, 3519, 3601, 3693, 3743, 3762, 3854, 3868, 3948
ENDOCRINE GLANDS: 110, 167, 431, 457, 1018, 1276, 1440, 1442, 1675, 1909, 2590, 2736, 2756, 2882, 2881, 2922, 3542, 3693
ENDOCRINOLOGY: 1333, 1803, 2127, 2476, 2953, 3200, 4212-4213
ENDOCYTOSIS: 1618
ENDOMETRIAL HYPERPLASIA: 2118
ENDOMETRIOSIS: 75, 1087, 1124, 1260, 1875, 1954, 2024, 2116, 2204, 2260, 3084
ENDOMETRITIS: 3178
ENDOMETRIUM: 6, 54, 173, 374, 662, 906, 1341, 1420, 1428, 1520, 1631, 1690, 1810, 1816, 2227, 2278, 2316, 2351, 2585, 2595, 2601, 2771, 2777, 2628, 3076, 3101, 3236, 3238, 3292, 3529, 3912, 3925, 4013, 4132, 4148
ENDOMYOCARDIAL FIBROSIS: 1854
ENDONUCLEASES: 890
ENDOPLASMIC RETICULUM: 25, 301, 399, 447, 480, 808, 653, 890, 722, 798, 977, 1116, 1196, 1202, 1301, 1364, 1424, 1599, 1844, 1648, 1618, 1871, 1940, 2053, 2055, 2106, 2228, 2499, 2525, 2612, 2671, 2717, 2859, 2941, 3049, 3199, 3271, 3329, 3753, 3768, 3984, 4020
ENDOSCOPY: 2045, 2078, 2165, 2750, 3790
ENDOTHELIUM: 2941, 4106
ENDOTOXINS: 343, 1749, 3490, 3720
ENERGY TRANSFER: 128, 549, 1128, 1470, 2602
ENGLAND: 21, 2536, 3291, 3387, 3756
ENGLISH ABSTRACT: 12, 16, 38, 43-44, 53, 55, 58, 63, 80-82, 65, 67, 89, 92, 104, 109-110, 131, 140, 144-145, 158, 172-173, 179-160, 166, 191, 202, 205, 216-219, 221, 235, 241, 243, 252, 260, 286, 273-274, 276, 288, 290, 292, 299-300, 323, 325, 331, 334, 339, 341, 345-348, 353, 360, 382, 387, 371, 379, 383, 399, 404, 408, 410, 427, 431, 444-445, 455, 479-480, 488, 488-490, 494, 507, 520, 525, 529, 573-574, 584, 594, 817, 625, 642, 881, 663, 677, 685, 704, 708, 727, 736-737, 746, 757, 794, 799, 604-805, 612, 814, 620, 625, 632, 841, 852-853, 657, 888-867, 674, 677, 865, 692-894, 900, 902, 915, 917-918, 928, 941, 947, 949, 951, 955, 977-976, 1004, 1008-1009, 1038, 1040, 1044, 1060-1061, 1065, 1074, 1091, 1096, 1111, 1151, 1160, 1168-1169, 1178, 1160, 1188-1189, 1191, 1195, 1203, 1206, 1221, 1224, 1228, 1260, 1271-1272, 1276, 1280, 1284-1285, 1267-1288, 1299, 1312, 1318, 1321, 1329, 1335, 1339, 1342, 1345-1346, 1351-1352, 1363, 1379, 1385, 1391-1392, 1395, 1399, 1402, 1409-1410, 1412-1413, 1433, 1451, 1453, 1471, 1488, 1508-1509, 1539-1540, 1550, 1552, 1564, 1579-1580, 1583, 1589, 1601, 1607, 1820, 1628, 1631, 1874-1675, 1681, 1892, 1897, 1899, 1718-1718, 1722, 1730, 1737-1739, 1742, 1746, 1797, 1805, 1810-1813, 1816, 1819, 1827, 1835, 1840, 1842, 1867, 1877, 1882, 1889, 1894-1899, 1902, 1912, 1923-1925, 1927, 1929, 1931-1933, 1944, 1946-1948, 1953-1954, 1958-1960, 1966-1967, 1973, 1976, 1979, 1983, 1995-1998, 2002, 2005, 2007, 2009, 2023-2031, 2036, 2052, 2056, 2059-2060, 2065-2066, 2077, 2079, 2089, 2092, 2099, 2112, 2115-2116, 2118, 2124, 2138, 2148, 2153, 2155, 2185, 2168, 2172, 2175-2178, 2183-2184, 2167, 2193, 2201, 2205-2206, 2220, 2228, 2235, 2242, 2258, 2309, 2320, 2327, 2331, 2346, 2362, 2365-2368, 2375, 2388, 2396, 2401, 2409-2410, 2420-2421, 2424, 2430-2431, 2434, 2439, 2450, 2454, 2458, 2465, 2473, 2489, 2492, 2494, 2496, 2511, 2521-2522, 2533, 2547, 2549, 2567, 2571, 2573, 2581, 2584, 2586, 2592-2593, 2605, 2609, 2613 2614, 2625, 2640, 2646, 2649, 2678-2879, 2685, 2689-2891, 2699, 2708, 2710, 2713, 2718, 2728, 2732, 2738, 2740, 2743, 2748, 2764, 2787, 2789, 2765, 2791-2792, 2797, 2799-2800, 2806, 2812, 2814, 2816, 2836-2837, 2842, 2848, 2859-2881, 2873, 2877, 2880, 2883-2884, 2898-2900, 2909-2910, 2913, 2917-2918, 2920, 2928, 2932, 2935-2938, 2942, 2945, 2957, 2989-2970, 2974, 2976, 2986-2987, 2998, 3001, 3021-3022, 3043, 3066, 3102, 3105, 3112-3113, 3125-3128, 3133, 3151, 3158, 3181, 3174, 3163, 3167, 3191-3192, 3195-3197, 3199, 3205, 3218, 3220, 3222, 3226, 3241, 3243, 3246, 3249, 3251, 3265, 3270, 3273, 3280-3282, 3264, 3292, 3300, 3304, 3308, 3313-3314, 3323, 3341, 3348, 3352, 3365, 3392, 3395, 3398, 3414, 3421-3423, 3428, 3430, 3437, 3440-3441, 3462-3467, 3472, 3507, 3512, 3519, 3531, 3535-3538, 3540-3541, 3544-3545, 3547-3548, 3553, 3555, 3569, 3580, 3587, 3592, 3603-3605, 3816-3816, 3629, 3644, 3650, 3853-3655, 3657, 3860-3881, 3669, 3682, 3686, 3895, 3897, 3699, 3717, 3728, 3728-3729, 3743, 3751, 3755, 3760, 3775, 3777, 3764, 3786, 3792, 3798, 3800-3802, 3805-3806, 3817, 3825, 3832-3833, 3836, 3853, 3858, 3867, 3870, 3875, 3881, 3885, 3890, 3896, 3908, 3913, 3929, 3948, 3960, 3972, 3975, 3981-3983, 3990-3992, 4012, 4039, 4042, 4044, 4087, 4104, 4115, 4117-4118, 4125, 4127, 4129, 4132-4133, 4135, 4137-4139, 4141, 4149, 4155, 4159, 4161, 4208
ENTERITIS, REGIONAL: 632, 997, 1768, 2493, 3081, 3196
ENTEROTOXINS: 405, 2170
ENVIRONMENT: 420-421, 1949, 2285, 2812, 3100, 3176, 4189
ENVIRONMENT, CONTROLLED: 683, 1966, 2139, 3078
ENVIRONMENTAL EXPOSURE: 81, 717, 1049, 1138, 1441, 1618, 1783, 2114, 3076, 3086, 3721, 4029, 4055, 4076
ENZYME ACTIVATION: 118, 153, 534, 542, 693, 610, 871, 1019-1020, 1113, 1181, 1200, 1278, 1326, 1393, 1554, 1624, 1752, 2069, 2113, 2173, 2298, 2303, 2310, 2350, 2395, 2426, 2482, 2495, 2557, 2585, 2651, 2916, 2923, 3163, 3161, 3248, 3320, 3339, 3391, 3493, 3520, 3710, 3766, 3820, 3840, 4041, 4083-4084, 4142
ENZYME INDUCTION: 450, 511, 923, 1128, 1216, 1223, 1270, 1370, 1391, 1730, 2019, 2055, 2261, 2463, 2519, 2590, 2758, 2789, 2798, 3070, 3161, 3212, 3222, 3242, 3245, 3263, 3275, 3451, 3518, 3549, 3604, 3900, 3948, 4082
ENZYME PRECURSORS: 114, 3820
ENZYME REPRESSION: 930, 1370, 1375, 2281, 2463, 2923, 3058, 3263, 3275, 4082
ENZYME TESTS: 305, 396, 877
ENZYMES: 1191, 1585, 1594, 1762, 2923, 3015, 3161, 3281, 3271, 3339, 3967
EOSINOPHILIC GRANULOMA: 1284
EOSINOPHILS: 492, 582, 705, 625, 1087, 1810, 2007, 2870, 2779, 2806, 3296, 3797, 4106
EPENDYMA: 631, 2505, 2941
EPENDYMOMA: 2730, 2852, 3775, 3938, 4206
EPHEDRINE: 2031, 2824, 3335, 3991
EPIDEMIC HEMORRHAGIC FEVER: 999, 2947
EPIDERMAL NECROLYSIS, TOXIC: 3813
EPIDIDYMIS: 524, 568, 1200, 1278, 1332, 1339, 1402, 1445, 1476, 1599, 1638, 1650, 1685, 2355, 2868, 2908, 3062, 3401, 3684, 3753, 3785, 4054, 4124
EPIDIDYMITIS: 4054
EPILEPSY: 180, 538, 2207, 2394, 3071-3072, 3420, 3887
EPILEPSY, GRAND MAL: 260
EPILEPSY, PETIT MAL: 4137
EPILEPSY, TEMPORAL LOBE: 3920
EPINEPHRINE: 81, 78, 124-125, 177, 228, 393, 452, 484, 524, 580, 893, 744, 779-780, 806, 623, 861, 953, 1068, 1181, 1227, 1267, 1356, 1415, 1442, 1483, 1569, 1584, 1745, 1757, 1782, 1816, 1650, 1857, 1895, 1934, 1952, 2020-2021, 2031, 2040, 2061, 2080, 2143, 2163, 2218, 2254, 2300-2301, 2303, 2350, 2504, 2559-2560, 2575, 2603, 2721, 2737, 2784, 2824, 2991, 2999, 3002, 3079, 3091, 3114, 3127, 3145, 3268, 3335, 3339, 3411, 3452, 3460, 3471, 3500, 3606, 3817, 3761, 3808, 3869, 3895, 3933, 3968, 4079-4080, 4098, 4111, 4149, 4157, 4210
EPIPHYSES: 704, 1120, 2977, 3582, 3602, 3764, 4068
EPIPHYSES, SLIPPED: 986, 3034
EPITHELIAL CELLS: 234, 480, 482, 680, 753, 796, 962, 964, 1087, 1096, 1426, 1470, 1779, 1786, 1791, 1610, 2053, 2077, 2105, 2389, 2421, 2471, 2537, 2852, 2769, 2921, 3047-3048, 3180, 3493, 3518, 3583, 3678, 3765, 3894, 3901, 4158
EPITHELIUM: 251, 327, 1135, 1143, 1323, 1427, 1599, 2109-2110, 2208-2209, 2698, 2835, 2950, 3126, 3713, 3753, 3806, 3901, 4003

EPONYMS: 2778, 2822, 2954
EQUIPMENT AND SUPPLIES: 1788
ERGOCALCIFEROL: 133, 1034, 1517, 1945, 2581, 2855, 3543
ERGOLINES: 1346, 2425
ERGONOVINE: 1314
ERGOSTEROL: 1075, 1371, 1945, 3389, 3543
ERGOT ALKALOIDS: 302, 1108
ERGOT ALKALOIDS, HYDROGENATED: 12, 3463
ERGOTAMINE: 3456, 3871
ERGOTHIONEINE: 1033
ERYTHEMA: 358, 1002, 2811, 2828, 2901, 2914, 3307, 3508, 4035
ERYTHROBLASTOSIS, FETAL: 890, 3443, 3798
ERYTHROCYTE COUNT: 4, 238, 2818
ERYTHROCYTES: 4, 768, 774, 1170, 1314, 1422, 1494, 1711, 1837, 1918, 1972, 1983, 1995, 2012, 2180, 2433, 2495, 2520, 2584, 2583, 2858, 2893, 3083, 3092, 3144, 3163-3184, 3211, 3384, 3392, 3617, 3675, 3836, 3874, 4152
ERYTHROCYTES, ABNORMAL: 2004, 3319, 3628
ERYTHROLEUKEMIA: 2086, 2445, 3405
ERYTHROMYCIN: 1088, 2839, 4153
ERYTHROPOIESIS: 987, 2354, 2893
ERYTHROPOIETIN: 2004, 3874
ESCAPE REACTION: 127, 312, 1255, 2208, 3412
ESCHERICHIA COLI: 581, 928, 1081, 1684, 1828, 2120, 2214, 2281, 2833, 2835, 2979, 3118, 3275, 3339, 3789, 3848
ESCHERICHIA COLI INFECTIONS: 80
ESKIMOS: 289
ESOPHAGEAL DISEASES: 1738, 1928, 4195
ESOPHAGEAL NEOPLASMS: 2910
ESOPHAGEAL STENOSIS: 3881, 4195
ESOPHAGEAL VARICES: 1998
ESOPHAGITIS: 2915
ESOPHAGOSCOPY: 2078, 4195
ESOPHAGUS: 1338, 1738, 3881, 4195
ESTERASES: 492, 1437, 1951, 2008, 2471, 3948
ESTERS: 129, 1370, 1408, 1419, 1802, 1770, 2179, 2466, 3293, 3689, 3840, 3892, 3939, 3948
ESTRADIOL: 18, 37, 54, 71, 103, 142, 168, 182, 185, 211, 213-214, 243, 270, 273, 285-288, 342, 351, 356, 378, 392, 433, 445, 483, 495, 523, 530, 591, 610, 670, 679, 709, 713, 775, 777-778, 837, 901, 908, 914, 928, 938, 987, 1027, 1031, 1035, 1043, 1072, 1086, 1110, 1152, 1197, 1208, 1222, 1243, 1250, 1293, 1298, 1305, 1329, 1338, 1388, 1372, 1378, 1435, 1478-1477, 1520, 1553, 1725, 1753, 1763, 1771, 1818, 1823, 1838, 1848, 1868, 1878, 1888, 1892, 1980, 2048, 2053, 2058, 2109, 2135, 2157, 2198, 2208-2209, 2234, 2257, 2282-2263, 2287-2288, 2321, 2330, 2339, 2353, 2372, 2408, 2412, 2460, 2534, 2583, 2638, 2639, 2894, 2696, 2705, 2715, 2739, 2805, 2811, 2819, 2834, 2883, 2958, 2966, 2972, 2996, 3005-3006, 3008, 3032, 3053-3054, 3075, 3093, 3103-3104, 3135, 3140, 3145, 3150, 3184-3185, 3206, 3210, 3232, 3234, 3238, 3280, 3292, 3300, 3318, 3320, 3329, 3358, 3393, 3451, 3486-3487, 3491, 3506, 3510, 3516, 3579, 3591, 3602, 3659, 3661-3663, 3669, 3674, 3692, 3696, 3699, 3704, 3711-3713, 3716, 3749-3750, 3772, 3821, 3868, 3889, 3894, 3906, 3912, 3921, 3927, 3988, 3993, 4013-4014, 4061, 4066, 4086, 4136, 4148
ESTRANES: 41, 248, 391, 1044, 1905, 3939
ESTRIOL: 17, 41, 71, 129, 142, 168, 214, 378, 398, 713, 908, 934, 1106, 1293-1294, 1314, 1372, 1439, 1833, 1836, 2047, 2130, 2134, 2306, 2353, 2537, 2637, 2730-2740, 2752, 2834, 2875, 2928, 2958, 3061, 3178, 3234, 3301, 3349, 3430, 3659, 3661, 3699, 3713, 3744, 3772, 3921, 4061, 4073
ESTROGENIC SUBSTANCES, CONJUGATED: 17, 117, 129, 1474, 1847, 2636, 3260, 3297, 3744, 3978, 4097
ESTROGENS: 8, 17, 31, 47, 166, 213-214, 234, 273, 282, 286, 306, 336, 448, 500, 543-544, 575, 589, 635, 677, 712, 762, 773, 790, 795, 813, 819, 866, 908, 912, 925-926, 928, 934, 967, 994, 1003, 1103, 1110, 1130, 1132, 1151, 1203, 1208, 1222, 1243, 1250, 1293, 1308, 1329, 1357, 1360, 1365, 1392, 1400-1401, 1407, 1435, 1450, 1466, 1520, 1638, 1841, 1660, 1663, 1672, 1690-1691, 1725, 1748, 1753, 1775-1776, 1830, 1836, 1847, 1859, 1869, 1889, 1891, 1958, 1967, 2010, 2024, 2033, 2083, 2109-2110, 2116, 2142, 2144, 2209, 2240, 2258, 2288, 2305, 2317, 2330, 2353, 2388, 2425, 2484, 2538, 2543, 2574, 2601, 2636, 2660, 2687, 2694-2895, 2710, 2712, 2740, 2797, 2826, 2834, 2889, 2874, 2891, 2915, 2923, 2928, 2943, 2971, 3006, 3021, 3029-3030, 3034, 3074, 3145, 3178, 3231, 3238-3237, 3239-3240, 3259-3260, 3273, 3292, 3300, 3318, 3372-3373, 3386, 3393, 3406, 3453, 3489, 3491, 3503, 3519, 3576, 3585, 3647, 3859, 3881, 3683, 3892, 3696, 3699, 3711-3713, 3715, 3734, 3751, 3759, 3770, 3772, 3860, 3921, 3931, 3934, 3962, 3981, 4030, 4096, 4132, 4158, 4174, 4199
ESTRONE: 13, 71, 129, 142, 166, 259, 351, 378, 445, 562, 588, 591, 713, 908, 928, 987, 1110, 1152, 1197, 1222, 1293, 1372, 1836, 1868, 1878, 2036, 2109, 2262-2263, 2321, 2353, 2583, 2638, 2686-2687, 2834, 2958, 3093, 3104, 3150, 3185, 3260, 3300, 3320, 3393, 3491, 3506, 3881, 3699, 3734, 3821, 4014
ESTRUS: 37, 54, 98, 111, 129, 142, 187, 214, 243, 296, 351, 456, 523, 559, 579, 810, 625, 852, 871, 786, 798, 882-863, 885, 914, 963, 993, 1010, 1017, 1047, 1131, 1282, 1341, 1525, 1530-1531, 1555, 1582, 1802, 1728, 1775, 1782, 1823, 1870, 1885, 1917, 1937, 1975, 2001, 2074, 2106, 2135, 2157, 2282, 2373-2374, 2425, 2444, 2595, 2599, 2639, 2704, 2811, 2857, 2891, 2907, 2952, 2991, 3041, 3067, 3135, 3210, 3325, 3488-3487, 3505, 3512, 3529, 3596, 3720, 3765, 3789, 3868, 3906, 3978, 3988, 4000, 4013, 4043, 4086, 4155
ETHACRYNIC ACID: 154, 1134
ETHANE: 1299, 3282
ETHANOLAMINES: 717, 1841-1842
ETHERS: 169, 213, 1043, 1643, 2919, 2961
ETHERS, CYCLIC: 2539
ETHICS, MEDICAL: 4188
ETHINYL ESTRADIOL: 194-195, 237, 449, 1031, 1433, 1459, 1582, 1810, 1852, 2032, 2098, 2139, 2194, 2266, 2352, 2669, 2828, 2946, 3260, 3422, 3521-3522, 3770, 4031, 4131, 4199
ETHIONINE: 645, 1301, 1700
ETHMOID SINUS: 177
ETHNIC GROUPS: 2200, 2419, 4191
ETHYL CHLORIDE: 1299, 3282
ETHYL ETHER: 94, 993, 1773, 1864, 2790, 3738, 3977, 4147
ETHYL MERCURY COMPOUNDS: 1245
ETHYLAMINES: 194, 213, 288, 1753, 2059-2060, 2142, 2209, 2235, 2605, 3231, 3705, 3713, 3931, 4096
ETHYLENEDIAMINES: 2272
ETHYLESTRENOL: 390, 3346
ETHYLMALEIMIDE: 2485
ETHYNODIOL DIACETATE: 391, 2828, 2946, 3170, 3447, 3521-3522, 3770, 4131
ETIOCHOLANOLONE: 94, 343, 880, 1152, 1196, 1234, 2520, 4100
EUNUCHISM: 140, 2682
EUROPE: 1529, 3106
EVALUATION STUDIES: 71, 123, 161, 178, 227, 277, 412, 477, 537-538, 563, 566, 588, 851, 708, 738, 757, 778, 975, 990, 1002, 1139-1140, 1171, 1199, 1245, 1266, 1302, 1309, 1346, 1417, 1507, 1510, 1680, 1897, 1712, 1746, 1765, 1793, 1824, 1840, 1844-1845, 1990, 2152, 2245, 2331, 2369, 2431, 2439, 2515, 2547, 2811, 2697, 2809, 2905, 2914, 2982, 2989, 3131, 3231, 3356, 3378, 3390, 3514, 3522-3523, 3600, 3636, 3638, 3658, 3698, 3744, 3959, 4091, 4198, 4208
EVOKED POTENTIALS: 1219, 1719, 2251, 2313, 2394, 2874, 3560, 3991
EVOLUTION: 151, 815, 1249, 2721, 3585, 3773, 4151
EXANTHEMA: 892
EXCHANGE TRANSFUSION: 438, 1231, 2081
EXERCISE THERAPY: 1281, 1357, 3043, 3983, 4214
EXERTION: 106, 1415, 1473, 1609, 1734, 1770, 2058, 2938, 3091, 3885, 3895, 3914, 4027
EXOCRINE GLANDS: 506
EXOCYTOSIS: 797, 1818, 2612
EXOPHTHALMOS: 109, 818, 872, 1078, 1634, 1877, 3481, 3967, 4116
EXOSTOSES, MULTIPLE: 1102, 3562
EXPECTORANTS: 3612
EXPLORATORY BEHAVIOR: 1658, 1744, 2232, 2930, 3837, 3966
EXTINCTION (PSYCHOLOGY): 725, 1707, 3966, 4070
EXTRACELLULAR SPACE: 267, 824, 1014, 1141, 1400-1401, 1698, 1956, 2517, 3844, 3953, 3976, 4001
EXTRACHROMOSOMAL INHERITANCE: 2181
EXTRACORPOREAL CIRCULATION: 1217, 1453, 1501, 3173, 3701, 4056
EXTRACTION, OBSTETRICAL: 152, 1766
EXTRAPYRAMIDAL DISORDERS: 536
EXTREMITIES: 1187, 3617
EXUDATES AND TRANSUDATES: 705, 824, 1988
EYE: 1588, 1900, 2065, 2294, 2736
EYE DISEASES: 56, 2022, 2846, 3353, 3997
EYE MANIFESTATIONS: 2136, 2731, 3783
EYE MOVEMENTS: 1511, 3905
EYE NEOPLASMS: 951, 2136, 2349
EYELID DISEASES: 95, 872
F 6066: 3626
FACIAL BONES: 1900, 3472
FACIAL DERMATOSES: 358, 1703, 2828, 2838, 3250, 3494, 4193
FACIAL EXPRESSION: 372, 2699, 2848
FACIAL INJURIES: 236
FACIAL PARALYSIS: 1996, 3155, 4062
FACTOR V: 152, 3463
FACTOR VII: 152
FACTOR VIII: 99, 152, 451, 1614, 3226, 4026
FACTOR IX: 451
FACTOR X: 152, 3463
FACTOR ANALYSIS, STATISTICAL: 364, 1634, 1903, 1932
FAD: 654
FALLOPIAN TUBE NEOPLASMS: 27
FALLOPIAN TUBES: 54, 228, 622, 655, 1027, 1132, 1135, 1284, 1425, 1460, 1500, 1617, 1620, 1662, 2239, 2318, 2526, 2628, 2777, 2826
FALSE NEGATIVE REACTIONS: 1148, 1671, 3488
FALSE POSITIVE REACTIONS: 1063, 1950, 2824, 3775, 3999
FAMILY: 733
FAMILY CHARACTERISTICS: 419, 2830, 3747
FAMILY PLANNING: 338, 419, 960, 1754, 1792, 1999, 2126, 3201, 3418
FAMOUS PERSONS: 2481
FANCONI SYNDROME: 2803
FARMER'S LUNG: 3086
FARNESOL: 325
FASCIA: 2964
FASCIOLA HEPATICA: 1486
FASCIOLIASIS: 1486
FASTING: 121, 376, 397, 840, 963, 1262, 1387, 1893, 1941, 2080, 2117, 2315, 2418, 2649, 3034, 3415, 3521, 3629, 3758, 3791, 3827, 4194
FATIGUE: 317, 1004, 2605
FATS: 1340, 1488, 1850, 2648, 3413
FATTY ACIDS: 438, 524, 604, 619, 801, 932, 1041, 1115, 1181, 1262, 1276, 1318, 1409-1410, 1482, 1820, 1710, 1894-1895, 2083, 2137, 2179, 2367, 2406, 2934, 2955, 3331, 3677
FATTY ACIDS, ESSENTIAL: 1588, 3677
FATTY ACIDS, NONESTERIFIED: 101, 166, 527, 840, 854, 1071, 1318, 1332, 1473, 1488, 1499, 1569, 1729, 1770, 1820, 1850, 2033, 2100, 2129, 2162, 2252, 2257, 2341, 2504, 2691, 3117, 3413, 3447, 3456, 3629, 3682, 3791, 3793, 3914, 3960, 3972, 4078, 4098
FATTY ACIDS, UNSATURATED: 604, 995, 2058, 2849, 2934, 3667, 3840
FATTY ALCOHOLS: 3689
FATTY LIVER: 21, 1030, 3367
FEAR: 647, 725, 3142
FEATHERS: 3552
FECES: 38, 155, 200, 228, 349, 476, 676, 783, 1474, 1517, 2032, 2095, 2660, 2729, 2887-2888, 3143, 3457, 3564, 3633, 4094
FEEDBACK: 231, 1455, 1715, 1736, 1744, 1785, 1795, 2619, 2626, 2753, 2856, 2926, 3045, 3161, 3253, 3292, 3336, 3358, 3407, 3665, 4147
FEEDING BEHAVIOR: 127, 159, 293, 614, 701, 1270, 1354, 1455, 1467, 1525, 1561, 1744, 2034, 2090, 2129, 2290, 2437, 2673, 2810, 2844, 3004, 3121, 3233, 3593, 3796, 3930
FEES, MEDICAL: 3937
FEMALE: 1, 4-5, 8-9, 11, 13-14, 17-18, 22-24, 27, 31-35, 37, 41-43, 46-47, 51, 54, 56-61, 63, 66, 68, 71-73, 75, 79-84, 86-88, 91-93, 96-100, 102-106, 107-109, 111-113, 117, 119, 122-123, 129, 131-132, 135, 138-140, 142-143, 152, 156-157, 162, 164, 166, 168, 170-174, 178, 182-185, 191, 193, 195-196, 200, 204, 208, 210, 213-214, 216-219, 224, 227-228, 234-240, 242-243, 250-253, 255, 257-259, 261-263, 265, 268-270, 272-275, 277-279, 281-283, 285-292, 294, 296-300, 302, 304, 306-307, 310, 313-315, 318, 321, 323-324, 326-329, 331, 335, 338-340, 343-345, 348-351, 356-358, 361-362, 364-365, 367-368,

372-375, 379, 384, 386-391, 396, 403-404, 406-407, 410, 413-415, 416-422, 424-425, 427, 429, 433-437, 439, 442-445, 448, 451-454, 456, 458, 460-463, 466, 468, 471, 477-482, 485, 488-491, 494-497, 500, 502-503, 507-509, 512-514, 516, 518-519, 522-523, 530, 541, 544, 551-553, 558-559, 562-565, 569-570, 572-573, 575-576, 576-579, 582, 586, 586-589, 591, 593, 595, 602-604, 609, 613, 617-618, 621-622, 624-625, 626, 630, 834, 638, 641-642, 645-649, 652, 655, 657, 663-665, 867-668, 670-672, 674, 676-677, 681, 664, 667, 692, 696-705, 707-710, 713-714, 719-720, 722, 724, 726, 732, 734, 736, 741-742, 746, 748-749, 751-752, 754, 759, 761-763, 770, 774-776, 780, 785-787, 789-791, 795-796, 796-800, 803, 805, 807-809, 811, 815, 619-820, 623, 825, 627-829, 833-834, 837, 839-841, 843-845, 652-653, 855, 862-865, 867-668, 872-876, 876-882, 884, 886-888, 890-893, 901-903, 906, 908, 914-916, 916-919, 924-925, 928-929, 934-937, 939, 943-944, 947-949, 951-954, 957, 959-960, 963, 965, 967, 971-972, 976, 978-979, 981-984, 969-990, 993-994, 999-1003, 1009-1010, 1013, 1015, 1017, 1022-1025, 1027, 1031-1033, 1035, 1037, 1040-1043, 1045, 1047, 1050, 1052-1053, 1058-1062, 1065, 1068, 1070-1074, 1078-1080, 1062-1083, 1066-1067, 1090-1092, 1094, 1098, 1101-1103, 1106, 1108-1110, 1115-1117, 1120, 1124, 1126, 1130-1133, 1135-1138, 1141-1142, 1144, 1146-1146, 1151-1152, 1159
1160, 1162, 1164, 1167, 1169-1170, 1178, 1160-1167, 1190-1194, 1197, 1199, 1201-1203, 1207-1206, 1210, 1216, 1225, 1226-1231, 1233-1234, 1236-1240, 1242-1243, 1247-1248, 1250, 1256-1257, 1259-1262, 1264, 1266-1269, 1272-1273, 1275, 1279-1260, 1282, 1264-1265, 1267-1269, 1292-1298, 1301-1303, 1305, 1307, 1309-1311, 1314, 1321, 1323-1325, 1330-1332, 1334-1336, 1338, 1340-1341, 1346, 1349-1350, 1353-1354, 1357-1360, 1362, 1385-1368, 1368-1369, 1372-1373, 1376, 1380, 1384, 1388, 1388, 1390-1392, 1398, 1400-1401, 1405-1406, 1414, 1417, 1420, 1424-1425, 1428, 1430, 1432-1433, 1435, 1438-1439, 1443-1445, 1448, 1451-1454, 1456, 1459-1462, 1464, 1466, 1468-1469, 1471, 1473-1475, 1478-1481, 1483-1484, 1488, 1493, 1495, 1497-1498, 1500, 1504-1505, 1507-1508, 1510, 1514, 1520, 1522-1526, 1526, 1530-1531, 1536, 1540-1543, 1546-1550, 1552-1553, 1555-1558, 1580, 1562-1584, 1568-1568, 1570, 1572, 1574, 1578-1577, 1579-1580, 1582-1583, 1586-1586, 1590, 1801-1602, 1604, 1606-1609, 1612-1615, 1817-1616, 1620-1622, 1625, 1627-1831, 1638-1641, 1647-1648, 1651-1652, 1658-1660, 1662-1666, 1668, 1671, 1674-1675, 1677, 1680-1681, 1686, 1688-1693, 1697-1698, 1703, 1705, 1708, 1716, 1721, 1723, 1725-1726, 1728-1729, 1733-1734, 1737-1739, 1742-1743, 1753-1756, 1758, 1761-1786, 1768-1770, 1775-1776, 1779, 1782, 1788-1787, 1792-1794, 1797-1798, 1800, 1604, 1808, 1610-1614, 1816, 1816-1621, 1623-1824, 1826-1627, 1630-1631, 1633-1636, 1640, 1643-1849, 1652-1858, 1658-1859, 1661, 1663, 1868-1872, 1874, 1676-1883, 1885, 1867-1892, 1898-1899, 1903-1904, 1908-1907, 1910, 1914-1915, 1917, 1919-1920, 1922, 1924, 1928, 1930-1931, 1933, 1937, 1940, 1946, 1948-1949, 1952-1954, 1957-1959, 1962, 1985-1967, 1971-1975, 1981, 1984, 1987, 1992-1994, 1998, 1999-2001, 2003, 2005-2006, 2012, 2014-2015, 2018, 2022-2025, 2032-2036, 2043, 2047-2048, 2051, 2053, 2055, 2057-2058, 2060-2062, 2064-2086, 2068, 2071, 2074-2075, 2078-2080, 2063, 2066, 2089-2100, 2104, 2106, 2109-2110, 2112
2113-2116, 2118, 2123-2128, 2130, 2134-2135, 2139, 2141-2144, 2146, 2148-2150, 2152, 2156-2157, 2162-2168, 2172, 2174, 2176, 2178, 2160-2181, 2163, 2165, 2167, 2191, 2193-2194, 2196, 2198, 2201, 2204, 2208-2209, 2215, 2219-2221, 2228-2227, 2229, 2231, 2233-2234, 2239-2241, 2244, 2250-2252, 2254-2258, 2261-2263, 2265, 2268, 2270-2271, 2273-2274, 2276-2280, 2284, 2287-2289, 2294-2295, 2299, 2302-2306, 2309, 2311, 2316-2318, 2320-2323, 2325-2326, 2326, 2331, 2333, 2335, 2339-2340, 2343, 2351-2352, 2358-2362, 2365-2367, 2369, 2371-2375, 2376, 2381, 2385-2386, 2388, 2390, 2395-2398, 2401, 2405, 2407, 2409, 2411-2412, 2415-2417, 2422-2425, 2427-2430, 2432-2433, 2435, 2437, 2442-2444, 2449-2450, 2454, 2457-2459, 2464-2465, 2468, 2472, 2475, 2476-2480, 2483, 2488-2489, 2492, 2497, 2499-2500, 2502-2503, 2508, 2510-2512, 2514-2516, 2520-2521, 2526-2529, 2531-2533, 2535-2537, 2543, 2545-2547, 2549, 2554-2559, 2581, 2567-2568, 2570, 2574-2575, 2581-2582, 2584-2585, 2589, 2592, 2594-2597, 2599-2801, 2603-2607, 2811, 2615-2616, 2620, 2622, 2624-2626, 2626-2629, 2634, 2639-2640, 2645, 2648-2650, 2655-2657, 2659, 2661-2662, 2665, 2670-2672, 2676-2677, 2679, 2681, 2685-2686, 2690, 2693-2696, 2699, 2701-2702, 2704-2707, 2710, 2712, 2714-2716, 2716-2719, 2721-2722, 2724-2726, 2730, 2733-2734, 2736, 2738-2741, 2747, 2751-2754, 2764, 2771, 2773, 2775-2777, 2779-2781, 2765-2791, 2794, 2796-2797, 2799, 2804-2807, 2811-2814, 2819-2820, 2823, 2825, 2626-2634, 2636, 2846-2647, 2849, 2651-2652, 2657-2858, 2861, 2863, 2667-2869, 2873-2875, 2877, 2880, 2882, 2890-2891, 2695-2896, 2896-2699, 2905, 2907, 2910, 2914, 2916, 2920-2921, 2924, 2926-2927, 2930, 2932-2933, 2935-2937, 2941, 2943, 2948-2949, 2952, 2958-2958, 2960, 2964, 2966, 2972-2978, 2981-2982, 2987-2989, 2991, 2996, 2996, 3000-3001, 3003, 3005, 3007, 3011, 3017, 3019, 3021-3022, 3029, 3032, 3034, 3041-3042, 3047-3049, 3052-3053, 3055, 3060-3061, 3063, 3067-3069, 3071, 3075, 3077-3076, 3082, 3084
3066-3067, 3092-3093, 3098-3098, 3100-3104, 3107-3108, 3110-3111, 3113, 3118-3117, 3122, 3125-3126, 3129, 3131, 3133, 3135-3136, 3140-3143, 3145, 3147, 3150-3151, 3154, 3156, 3160, 3162, 3168-3170, 3174, 3178-3178, 3160, 3182, 3184-3187, 3194, 3197, 3199, 3201, 3203-3208, 3210, 3217, 3220, 3224-3226, 3229, 3231, 3236, 3238-3240, 3243-3244, 3246, 3250, 3252, 3256, 3258, 3260, 3262, 3265-3286, 3289-3270, 3272-3273, 3261, 3284, 3267-3289, 3292, 3294-3295, 3297-3296, 3301-3302, 3305-3313, 3318-3319, 3321, 3323-3325, 3326, 3331-3332, 3336, 3342-3345, 3346-3349, 3353, 3355, 3358-3359, 3382, 3364, 3368-3370, 3372-3376, 3376-3379, 3382, 3384, 3386, 3392, 3398-3399, 3403, 3405, 3407, 3409, 3413, 3416-3416, 3422, 3424-3425, 3426, 3430-3432, 3435, 3437-3438, 3440, 3442, 3447, 3451, 3453-3454, 3456, 3459-3463, 3465-3466, 3469, 3472, 3476-3478, 3481, 3484-3488, 3491, 3494, 3500, 3503-3507, 3510, 3512, 3514-3517, 3521-3524, 3527, 3529-3530, 3532-3534, 3538, 3541, 3544-3545, 3550-3552, 3554, 3556, 3560, 3565, 3568, 3570-3571, 3574, 3577, 3579, 3581-3582, 3585-3586, 3586, 3591, 3593, 3596-3597, 3599, 3601, 3607-3609, 3611, 3614, 3816, 3620, 3824-3825, 3827, 3829, 3631, 3633-3635, 3640-3641, 3644-3645, 3647, 3649, 3652, 3655, 3857-3661, 3865-3666, 3668-3669, 3671-3672, 3674-3675, 3676-3679, 3681-3683, 3688-3687, 3689, 3691-3692, 3695-3698, 3704-3708, 3711-3712, 3718, 3718-3720, 3725-3727, 3733-3735, 3737-3738, 3740, 3743-3744, 3746-3747, 3750-3752, 3757, 3759-3761, 3765, 3767-3768, 3770, 3772-3773, 3777-3776, 3760, 3764, 3767-3791, 3796-3798, 3800-3801, 3803, 3805-3807, 3809, 3812, 3814, 3819, 3821-3823, 3828, 3838-3839, 3846-3850, 3854, 3858-3861, 3863-3864, 3868-3868, 3872, 3874, 3880-3883, 3888, 3888, 3890, 3892-3894, 3896, 3904-3906, 3908-3909, 3912-3913, 3915-3916, 3922, 3924-3934, 3938-3938, 3941, 3948, 3950, 3954, 3957, 3959, 3962, 3965, 3971, 3974-3975, 3976-3979, 3981-3985, 3988-3990, 3992-3993, 3998-3997, 3999-4000, 4002, 4009-4010, 4013
4014-4015, 4019, 4021-4022, 4024, 4030-4032, 4035, 4037-4038, 4040, 4042-4044, 4047, 4049, 4051, 4053, 4058, 4060-4062, 4035-4067, 4069-4071, 4073, 4078, 4085-4089, 4096-4098, 4100, 4103, 4105-4107, 4109-4110, 4116, 4118-4119, 4121, 4123, 4125, 4127-4129, 4131-4133, 4136, 4147-4148, 4150, 4153-4156, 4159-4160, 4182-4164, 4173, 4175-4178, 4178, 4186, 4188-4189, 4196-4200, 4203-4204, 4207, 4209

FEMINIZATION: 2529
FEMORAL ARTERY: 580, 1024, 1217, 1416, 1769, 2895, 3284, 3575
FEMORAL FRACTURES: 1489, 2104, 2146, 2229, 2576
FEMORAL NECK FRACTURES: 673, 2343
FEMORAL NEOPLASMS: 2358
FEMORAL VEIN: 211, 1416, 2877
FEMUR: 48, 128, 165, 422, 463, 504, 1088, 1099, 1120, 1143, 1517, 1548, 1579, 2003, 2151, 2407, 2729, 2977, 3034, 3143, 3450, 3602, 3731, 3936, 4056
FEMUR HEAD: 704, 873, 1091, 1883, 2104, 2600, 3431, 4161
FEMUR HEAD NECROSIS: 704, 1091, 1177, 1883, 1908, 2104, 2146, 2600, 3125
FENFLURAMINE: 739
FENTANYL: 4138
FERMENTATION: 2012
FERREDOXINS: 654, 2579-2580, 3276, 3680
FERRICYANIDES: 1637, 3127
FERRITIN: 2053
FERTILITY: 111, 129, 324, 761-762, 608, 1010, 1420, 1590, 1604, 1606, 1627, 1661, 1797, 1821, 2057, 2072, 2075, 2157, 2345, 2423, 2668, 2715, 2765, 2952, 3168, 3267, 3368, 3449, 3469, 3505, 3516, 3530, 3727, 3773, 3864
FERTILITY AGENTS: 1044, 1394, 2596, 3515
FERTILIZATION: 51, 240, 289, 976, 1017, 1131, 1425, 1500, 1662, 1689-1690, 1669, 1961, 2074, 2339, 2644, 2716, 2767, 2842, 3037, 3267, 3321, 3369, 3486-3487, 3530, 3659, 3759
FETAL DEATH: 34, 60, 86, 111, 503, 630, 934, 990, 1106, 1273, 1275, 1294, 1389, 1495, 1563, 1583, 1666, 1739, 1646, 2057, 2079, 2089, 2454, 2510, 2687, 2747, 2851, 2875, 3087, 3430, 3530, 3772, 3796, 3864, 4169, 4197
FETAL DISEASES: 200, 310, 503, 507, 892, 608, 934, 1273, 1286-1289, 1439, 1504, 1540, 1739, 1627, 1633, 2047, 2260, 2306, 2381, 2510, 2515, 2606, 2666, 3061, 3338, 3477, 3609, 3772, 3962, 4049, 4121, 4200
FETAL GLOBULINS: 1049, 2087, 3433
FETAL HEART: 516, 750, 653, 1229, 1439, 1659, 1627, 2381, 3523, 3609, 3725
FETAL HEMOGLOBIN: 3083
FETAL MEMBRANES: 196, 690, 1567, 1644, 2263, 2288, 2432, 3266, 3821
FETUS: 228, 397, 453, 481, 516, 710, 767, 790, 607-808, 845, 864, 948, 1126, 1201, 1229, 1275, 1289, 1304, 1358, 1391, 1426-1427, 1445, 1496, 1504, 1613, 1625, 1853, 1659, 1734, 1761, 1796, 1910, 1955, 2043, 2101, 2202, 2381, 2432, 2534, 2597, 2626, 2853, 2665, 2686, 2721, 2747, 2779, 2823, 2845, 2916, 2974, 3029, 3032, 3098, 3132, 3165, 3230, 3244, 3288, 3326, 3332, 3484, 3682, 3698, 3725, 3759, 4021, 4169, 4197
FEVER: 343, 544, 1067, 1173, 1808, 1645, 2203, 3438, 3577
FEVER OF UNKNOWN ORIGIN: 3438
FIBER OPTICS: 2750
FIBRIN: 3176, 3631, 3720
FIBRINOGEN: 72, 194-195, 1699, 2602, 2946, 3631, 3720, 4112
FIBRINOLYSIS: 282, 326, 1013, 1762, 1699, 3666
FIBRINOLYTIC AGENTS: 1699
FIBROBLASTS: 309, 426, 482, 493, 592, 756, 660, 1069, 1150, 1711, 1649, 2700, 2941, 3209, 3336, 3571, 3658, 3850, 4101, 4106, 4120, 4122
FIBROMA: 1604, 3908
FIBROSARCOMA: 673, 1756, 4075
FIBROUS DYSPLASIA OF BONE: 230, 332, 2945, 3405, 3822
FIBULA: 463, 2977
FILTRATION: 3054, 3671, 3777, 4046
FINANCING, GOVERNMENT: 3937
FINGER JOINT: 2657
FINGERS: 541, 618, 627, 1802, 2279, 2711, 3303
FIRST AID: 4210
FISH DISEASES: 2464
FISH PRODUCTS: 2665
FISHES: 2, 141, 167, 615, 765, 849, 1214, 1680, 1738, 1888, 2062-2063, 2294, 2404, 2553, 2612, 2666, 2941, 3124, 3235, 3265, 3454, 3543, 3630, 3819
FISTULA: 905, 4116
FLAGELLA: 3167
FLAVONES: 450, 2243
FLAVOPROTEINS: 3058, 3276
FLEAS: 2963
FLORIDA: 649
FLOUR: 1970
FLUDROCORTISONE: 1046, 3733
FLUFENAMIC ACID: 3667
FLUMETHASONE: 3974
FLUOCINOLONE ACETONIDE: 313, 450, 738, 757, 975, 2076, 2931, 3250, 3462, 3571
FLUORENES: 3757
FLUORESCEINS: 913, 2588, 2767
FLUORESCENCE: 29, 49, 247, 735, 756, 1007, 1271, 1309, 1426, 1443, 1471, 1600, 1686, 1950, 2053, 2094, 2101, 2164, 2195, 2566, 3009, 3127, 3327, 3345, 3780, 4011
FLUORESCENCE ANGIOGRAPHY: 331, 1526
FLUORESCENCE SPECTROMETRY: 49, 94, 470, 637, 654, 739, 1081, 1293, 1356, 1440, 1676, 1950, 3149, 3357, 3471, 3826
FLUORESCENT ANTIBODY TECHNIC: 59, 242, 290, 345, 426, 522, 644, 712, 913, 1170, 1323, 1901, 2053, 2092, 2433, 2505, 2586, 2870, 2948, 3012, 3077, 3408, 3592, 3801, 3863, 4075

FLUORESCENT DYES: 1688, 1849, 2787, 2842, 3858, 4175
FLUORIDATION: 805, 1858
FLUORIDES: 478, 534, 922, 1054, 1084, 1502, 1517, 1554, 1858, 1904, 2020, 2356, 2565, 3080, 3114, 3305, 3364, 3520, 3955, 4201, 4215
FLUORIDES, TOPICAL: 1157
FLUORINE: 1020, 1173, 1559, 2040, 2466, 2533, 2541, 3777, 3977
FLUOROACETATES: 2548
FLUORODEOXYURIDINE: 2789
FLUOROMETRY: 299, 470, 580, 718, 918, 1007, 1172, 1225-1226, 1259, 1293, 1378, 1876, 2163, 2191-2192, 2888, 2902, 3558
FLUOROSCOPY: 2459, 2750
FLUOROURACIL: 586, 3614
FLUOXYMESTERONE: 389
FLUPHENAZINE: 2206
FLUPREDNISOLONE: 313, 1568, 3574, 3846
FLURANDRENOLONE: 3482, 4202
FMN: 811, 3640
FOCAL INFECTION: 3108
FOLIC ACID: 1055, 2121, 3229, 4077
FOLIC ACID ANTAGONISTS: 531, 3746
FOLIC ACID DEFICIENCY: 3229
FOLLICULITIS: 4172
FOLLOW-UP STUDIES: 144, 417, 537, 548, 634, 848, 668, 866, 873, 965, 1040, 1053, 1056, 1088, 1194, 1281, 1461, 1560, 1629, 1792, 1805, 1822, 1840, 1845, 2041, 2078, 2244, 2351, 2364, 2396, 2522, 2581, 2625, 2657, 2795, 2864, 3133, 3418, 3432, 3437, 3540, 3572, 3644, 3746, 3780, 3967, 4018, 4091, 4133, 4158
FOOD: 2048, 2582, 2661
FOOD ADDITIVES: 1529, 2596
FOOD ANALYSIS: 2596, 3648, 3756
FOOD DEPRIVATION: 127, 671, 798, 2232, 2810, 3233, 3986
FOOD HABITS: 587, 2145
FOOD HYPERSENSITIVITY: 800, 3606
FOOD PREFERENCES: 282, 2145, 2516
FOOD SUPPLY: 1073
FOOT: 312, 3482, 3842, 3897
FOOT DERMATOSES: 1581, 3355
FOREARM: 3482, 4134
FOREIGN BODIES: 15, 1738, 3216
FOREIGN BODY REACTION: 1428, 1623, 3529
FORELIMB: 3188, 4179
FORENSIC MEDICINE: 180, 1991, 3817
FORENSIC PSYCHIATRY: 733
FORMALDEHYDE: 563, 846, 1064, 1246, 1426, 1440, 2474
FORMATES: 2490
FORMIC ACIDS: 731, 3977
FOXES: 2185
FRACTURE FIXATION: 2342, 2913, 3462
FRACTURE FIXATION, INTERNAL: 504, 1489, 2358, 3462
FRACTURE FIXATION, INTRAMEDULLARY: 380, 2473
FRACTURES: 238, 305, 403, 2061, 2195, 2473, 2866, 3472, 3890, 3783
FRACTURES, SPONTANEOUS: 230, 978, 1489, 1495, 2104, 2146, 2343, 2358, 2692
FRANCE: 1272
FREE RADICALS: 4011
FREEMARTINISM: 2360
FREEZE DRYING: 883, 1007, 2383, 3278, 3531
FREEZE ETCHING: 797, 2921
FREEZING: 548, 831, 1680, 1969, 2580, 2746, 4124
FRESH WATER: 1277, 2612, 3235, 3265, 3630
FREUND'S ADJUVANT: 2042, 2552, 2944, 3136, 3190, 3838, 3921, 3984-3985
FROEHLICH'S SYNDROME: 319, 1705
FROGS: 215, 267, 399, 520, 629, 631, 889, 962, 964, 1105, 1123, 1188-1189, 1431, 1488, 1701, 1719, 1732, 1752, 1780, 1987, 2144, 2238, 2307, 2593, 2681, 2724, 2792, 3019, 3202, 3369, 3395, 3454, 3565, 3901, 3903, 3976, 4110
FRONTAL BONE: 2664
FRONTAL LOBE: 138, 1511, 1942, 3185, 3192, 3560, 3752
FROSTBITE: 2041
FRUCTOSE: 1318, 1636, 2212, 2432, 3264
FRUCTOSE DIPHOSPHATASE: 153, 3212
FRUCTOSEDIPHOSPHATE ALDOLASE: 2341
FRUCTOSEPHOSPHATES: 153, 2350, 3520
FRUSTRATION: 348, 1707
FSH: 88, 96, 103, 183, 199, 243, 248, 326, 388, 413, 437, 441, 460, 483-484, 544, 546, 591, 607, 635, 899, 789, 795, 815, 828-829, 865, 891, 937-938, 992-993, 1052, 1108, 1132, 1310, 1359, 1394, 1454, 1612, 1627, 1651, 1660, 1690, 1693, 1764-1765, 1775, 1786, 1800, 1823, 1849, 1852, 1870, 1878, 1906, 1960, 2169, 2198, 2329-2330, 2442, 2489, 2599, 2634, 2690, 2694-2695, 2712, 2787, 2907, 2926, 2991, 3044, 3053-3054, 3206, 3259, 3289, 3325, 3342, 3377, 3439, 3486, 3515, 3532, 3626, 3696, 3759, 3858, 3910, 3927, 3978, 4004-4005, 4013, 4130
FUCOSE: 209, 2633
FUMARATES: 2214, 2308
FUNDUS OCULI: 1526, 2136
FUNGAL PROTEINS: 3816
FUNGI: 2979
FURANS: 3014, 3397
FUROSEMIDE: 163, 253, 1089, 1134, 2091, 2096, 2271, 2333, 2722, 3651, 3800
FUSARIUM: 3380
GALACTOSAMINE: 1345, 3070
GALACTOSE: 1710, 2633, 3894, 3976, 3987
GALACTOSIDASE: 309, 1076, 1684, 2125, 2281, 2719, 3230, 3263, 3275, 3409, 3925
GALANTHAMINE: 867
GALLAMINE TRIETHIODIDE: 124, 411, 766, 1965
GALLBLADDER: 2459
GALLBLADDER NEOPLASMS: 81
GALLIUM: 572, 1109
GAMMA GLOBULIN: 460, 469, 617, 642, 685, 913, 1275, 1468, 1996, 2004, 2102, 2643, 2723, 2986, 3186, 3211, 3289, 3615
GAMMA GLOBULIN, 7S: 1527
GANGLIA: 2140, 2753, 2862
GANGLIA, AUTONOMIC: 336, 744, 2061, 2264, 2475, 3056, 3069, 3365
GANGLIA, BASAL: 1382, 1605, 1720, 2299
GANGLIA, SPINAL: 3766
GANGLIONEUROMA: 573
GANGLIONIC BLOCKADERS: 1413, 1897, 3365
GANGLIOSIDES: 212, 2719
GANGRENE: 728, 3575
GASTRECTOMY: 1449, 2145, 4034
GASTRIC ACIDITY DETERMINATION: 572, 2642
GASTRIC HYPOTHERMIA: 3475
GASTRIC JUICE: 334, 360, 510, 595, 874, 909, 1352, 1449, 2095, 2642, 3090, 3134, 3475, 4041, 4119
GASTRIC LAVAGE: 2561
GASTRIC MUCOSA: 334, 547, 572, 869, 909, 1188, 1352, 1440, 1819, 2030, 2095, 2614, 2642, 2898, 2815, 3090, 3645, 4119
GASTRIN: 334, 457, 547, 1449, 2408, 3134, 3459, 3475, 3616, 3958
GASTRITIS: 3592, 3858
GASTROENTERITIS: 3072
GASTROENTEROSTOMY: 1056
GASTROINTESTINAL DISEASES: 133, 1232, 1449, 2244, 2661, 2731, 3153, 3577, 3648
GASTROINTESTINAL HORMONES: 2923, 3958
GASTROINTESTINAL MOTILITY: 6, 794, 940, 2409
GASTROINTESTINAL NEOPLASMS: 1007, 1545, 1580, 2297
GASTROINTESTINAL SYSTEM: 16, 55, 999, 1455, 1588, 1598, 2706, 2835, 3780, 4107
GASTROSCOPY: 2078
GAUCHER'S DISEASE: 1177
GEL DIFFUSION TESTS: 181, 239, 242, 502, 952, 996, 1170, 1727, 1760, 1904, 1927, 2225, 2441, 2524, 2570, 3008, 3217, 3433, 3760, 3826, 3913, 3942, 4028, 4090, 4124
GEL FILTRATION: 33, 320, 460, 529-530, 532, 558, 581, 624, 654, 689, 755, 765, 913, 967, 1038, 1063, 1158, 1200, 1250, 1326, 1348, 1414, 1476-1477, 1516, 1646, 1686, 1727, 1763-1764, 1885, 1937, 1970, 2029, 2063, 2137, 2143, 2154, 2287, 2321, 2383, 2395, 2441, 2444, 2554, 2583, 2610, 2651, 2902, 2958, 2982, 3005, 3215, 3248, 3501, 3506, 3710, 3716-3717, 3769, 3785, 3815-3816, 3818, 3820, 3826, 3860, 3870, 3880, 3916, 3945, 3961, 3977, 3988, 4011, 4072, 4095, 4104
GELATIN: 530
GELS: 443, 860, 1221, 1326, 1673, 1828, 3095
GENE FREQUENCY: 68, 364
GENERAL PRACTICE: 3522
GENES: 364, 860, 952, 1257, 1645, 1849, 1903, 2075, 2181, 2308, 2441, 2487, 2535, 2805, 3012, 3424, 3925, 3979, 4110
GENES, DOMINANT: 235, 1353, 1614, 1639, 1903, 1999, 2979, 3000
GENES, LETHAL: 112, 235, 698, 976, 1639, 3000, 3362, 3724, 3745
GENES, RECESSIVE: 112, 235, 265, 364, 976, 1102, 1639, 1999, 2190, 2311, 2826, 2979, 3551, 3724
GENES, REGULATOR: 1375, 2633, 3691
GENES, STRUCTURAL: 570, 2182, 3336
GENES, SUPPRESSOR: 474
GENETIC CODE: 1999, 2528, 3261
GENETIC COMPLEMENTATION TEST: 3362
GENETIC COUNSELING: 1999, 2022, 2461, 2679
GENETIC INTERVENTION: 3261
GENETIC TECHNICS: 1491, 3658
GENETICS: 240, 420-421, 1191, 1241, 1949, 2114, 2436, 2527-2528, 3100, 3178, 3271, 4121
GENETICS, BEHAVIORAL: 1639, 3379
GENETICS, BIOCHEMICAL: 324, 770, 860, 2015, 2441, 2574, 3691, 3987
GENETICS, HUMAN: 756, 860, 2527-2528, 2979, 4175
GENETICS, MICROBIAL: 2214, 2979, 3118
GENETICS, POPULATION: 68, 1728, 1999
GENICULATE BODIES: 2985
GENITAL DISEASES, MALE: 1802, 3179
GENITALIA: 243, 811, 1269, 3131, 4176
GENITALIA, FEMALE: 315, 366, 2411, 2736, 2777, 3306, 3579, 4196
GENITALIA, MALE: 366, 525, 568, 950, 1269, 1304, 1356, 1593, 1603, 2212, 2345, 2668, 2682, 2736, 2821, 3449, 3579, 4020, 4090, 4196
GENOTYPE: 265, 364, 420-421, 621, 628, 698, 976, 1241, 1443, 1576, 1639, 1949, 2022, 2114, 2281, 2677, 2804, 3100, 3295, 3551, 3691, 3954
GENTAMICIN: 1365, 3913
GEOGRAPHY: 1245, 2883
GERBILS: 1350, 2671, 3033
GERIATRICS: 691
GERM CELLS: 1465, 2402, 3439, 3526
GERM-FREE LIFE: 3032
GERM LAYERS: 1639
GERMANY: 3291
GERMANY, EAST: 3281, 4211
GERMANY, WEST: 68, 1550, 3295, 3992
GESTATIONAL AGE: 5, 34, 60, 72, 178, 223, 242, 397, 418, 434, 442, 488, 516, 544, 630, 791, 807, 863, 946, 990, 994-995, 1002, 1106, 1218, 1229, 1266, 1275, 1289, 1314, 1433, 1495, 1547, 1557, 1563, 1577, 1653, 1659, 1831, 1844, 1846, 1858, 1910, 1933, 1955, 2047, 2094, 2152, 2263, 2277, 2311, 2381, 2432, 2454, 2534, 2597, 2686, 2721, 2741, 2828, 2850-2851, 2875, 2880, 2905, 2914, 3087, 3132, 3372, 3477, 3484, 3514, 3525, 3530, 3646, 3772, 3798, 3804, 3861, 3962, 3974, 4047, 4051, 4061, 4197
GHANA: 338
GIANT CELL TUMORS: 605
GIGANTISM: 1924, 2883, 3515
GILLS: 514, 1113-1114, 1829, 4039
GINGIVA: 3095, 3187, 3557
GINGIVAL DISEASES: 2588
GINGIVAL HYPERPLASIA: 3557
GINGIVAL HYPERTROPHY: 3187
GINGIVITIS: 1374, 1487
GLASS: 370, 1680, 3968
GLAUCOMA: 231, 548, 1148, 1963, 2149, 3323, 3960
GLIBENCLAMIDE: 1421, 4211
GLIOBLASTOMA MULTIFORME: 2274, 2730, 3775
GLIOMA: 2852, 3938
GLIOSIS: 3686
GLOBIN: 3060
GLOBULINS: 3008
GLOMERULAR FILTRATION RATE: 57, 163, 287, 307, 333, 423, 454, 512-513, 583, 661, 899, 1141, 1957, 2139, 2167, 2192, 2273, 2501, 3309, 3509, 3827
GLOMERULONEPHRITIS: 337, 675, 1165, 1316, 1528, 1822, 2048, 2410, 2769, 3946
GLOVES, SURGICAL: 3216
GLUCAGON: 77, 92, 223, 330, 457, 533, 547, 649, 958, 1019-1020, 1227, 1318, 1554, 1637, 1722, 2020, 2060, 2436, 2446, 2560, 2772, 2784, 2993, 3002, 3013, 3268, 3339, 3421, 3809, 3843, 3999, 4002, 4166
GLUCOCORTICOIDS: 26, 61, 131, 263, 288, 410, 430, 548, 632, 651, 657, 807, 957, 1030, 1120, 1154, 1177, 1204, 1236, 1296, 1637, 1793, 1809, 1820, 1822, 1860, 1877, 1883, 1926, 1947, 2216, 2237, 2249, 2256, 2410, 2432, 2498-2499, 2502, 2519, 2531, 2533, 2551, 2600, 2614, 3059, 3076, 3102, 3158, 3186, 3214, 3216, 3220, 3346, 3444,

3491, 3494, 3606, 3612, 3647, 3653, 3795, 3810, 3814, 3898, 3914, 4044, 4082, 4194-4195
GLUCOCORTICOIDS, TOPICAL: 350, 450, 728, 1190, 1494, 1963, 2302
GLUCOKINASE: 23
GLUCONEOGENESIS: 52, 397, 2341, 2453, 2573, 2587, 2780, 2918, 3013, 3212, 3810
GLUCOSAMINE: 779, 2525, 3351
GLUCOSAMINIDASE: 1229, 1345, 1483, 2719, 2817, 2928, 3409
GLUCOSE: 19, 23, 26, 52, 69, 125, 397, 452, 487, 606, 656, 753, 779, 824, 854, 876, 678, 925, 1041, 1075, 1079, 1214, 1229, 1318, 1387, 1399, 1420, 1454, 1482, 1467, 1498, 1605, 1811, 1734, 1839, 1865, 1925, 1968, 2021, 2080, 2150, 2182, 2214, 2281, 2356, 2420, 2520, 2635, 2876, 2755, 2797, 2810, 2885, 2951, 3034, 3082, 3143, 3178, 3221, 3234, 3283, 3268, 3360, 3410, 3460, 3496, 3520, 3541, 3573, 3612, 3624, 3632, 3682, 3782, 3797, 3914, 3972, 4022, 4064, 4098
GLUCOSE OXIDASE: 2559
GLUCOSE TOLERANCE TEST: 131, 282, 700, 815, 1042, 1462, 1959, 2080, 2117, 2193, 2248, 2316, 2397, 2420, 2446, 2649, 2676, 2775, 3229, 3268, 3421, 3517, 3522, 3587, 3837, 3928, 4022, 4194
GLUCOSEPHOSPHATASE: 1229, 2780, 2859, 3006, 3212, 3320
GLUCOSEPHOSPHATE DEHYDROGENASE: 187, 259, 553, 743, 774, 675, 1233, 1520, 1820, 1910, 1951, 1979, 2296, 2564, 2789, 3015, 3115, 3242, 3389, 3392, 3401, 3441, 3748, 3750
GLUCOSEPHOSPHATES: 153, 2296, 2350, 2918, 3520, 3573
GLUCOSIDASE: 2125
GLUCOSYLTRANSFERASES: 594, 2885, 2918, 4142
GLUCURONATES: 842, 880, 928, 1232, 1248, 1549, 1578, 2638-2837, 2758, 3073, 3445, 3881, 3744, 4034
GLUCURONIDASE: 194, 928, 992, 1178, 1483, 1774, 2452, 2732, 2817, 2928, 3409, 3847, 3661, 4157
GLUTAMATE DEHYDROGENASE: 828, 1233, 2874, 2951, 3383
GLUTAMATES: 29, 626, 649, 721, 751, 930, 1237, 1719, 1764, 2175, 2186, 2823, 3680, 3873
GLUTAMINE: 510, 649, 930, 1764
GLUTAMINE SYNTHETASE: 3339
GLUTAMYL TRANSPEPTIDASE: 209
GLUTARATES: 721, 2774, 3271, 3389, 3900
GLUTATHIONE: 1486, 3840
GLUTATHIONE REDUCTASE: 1492, 3015
GLUTEN: 200, 3684
GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE: 1636, 2358, 3015
GLYCERIC ACIDS: 3083
GLYCERIDES: 3447, 3854
GLYCERIN: 28, 125, 397, 1054, 1282, 1278, 1318, 1488, 1499, 1710, 1729, 1770, 2252, 2408, 3171, 3413, 3594, 3758, 4098
GLYCEROLPHOSPHATE DEHYDROGENASE: 553, 3015, 3058, 4074
GLYCEROPHOSPHATES: 750
GLYCINE: 649, 1828, 1927, 2103, 2296, 2823, 2851, 3095, 3426
GLYCOCHOLIC ACID: 558-557
GLYCOGEN: 28, 44, 89, 397, 399, 882-863, 1118, 1218, 1229, 1337, 1360, 1399, 1605, 2278, 2358, 2573, 2822, 2780, 2810, 2918, 2938, 3013, 3339, 3401, 3431, 3451, 3496, 3517, 3520, 3589, 3632, 3682, 3802, 3972
GLYCOGEN PHOSPHORYLASE: 11, 882-863, 1218, 1229, 2303, 2736, 2918, 3101, 3391, 3520, 4083
GLYCOGEN SYNTHETASE: 882-883, 1218, 2916, 3101, 3339, 3391, 4142
GLYCOGENOSIS: 28, 594, 3871, 4135
GLYCOLIPIDS: 428, 493, 1382, 1710, 3209, 3689, 3925
GLYCOLS: 203, 534, 630, 1515, 3856
GLYCOLYSIS: 28, 154, 750, 1054, 1636, 1752, 2012, 2358, 2520, 2573
GLYCOPEPTIDES: 1970, 3215
GLYCOPROTEINS: 8, 209, 558, 1085, 1693, 2085, 2894, 3553, 3812
GLYCOSIDE HYDROLASES: 4047
GLYCOSIDES: 779, 1639, 2050, 2281, 2637, 3689
GLYCOSURIA: 2432, 2502, 2775
GLYCOSURIA, RENAL: 497, 2803
GLYCYRRHIZA: 741, 2915, 3199, 3237
GLYOXYLATES: 136
GOATS: 31, 242, 460, 644, 1161, 1688, 2262-2263, 2506, 2870, 3003, 3433, 3752, 3941, 3947, 4150
GOITER: 144, 250, 465, 502, 758, 858, 698, 1295, 1311, 1361, 1849, 1897, 1729, 1774, 1970, 1989, 2044, 2148, 2230, 2311, 2354, 2899-2900, 2958, 3028, 3152, 3600
GOITER, ENDEMIC: 46, 1193, 1381, 1450, 2854, 2936, 3003, 3017, 3388, 3474, 3756
GOITER, EXOPHTHALMIC: 56, 431, 628, 634, 847, 856, 920, 1093, 1118, 1678, 1989, 2088, 2112, 2193, 2225, 2335, 2398, 2523, 2776, 2822, 2924, 2954, 2964, 3049, 3195, 3252, 3400, 3421, 3556, 3600, 3726, 3783, 3881, 3967
GOITER, NODULAR: 123, 535, 764, 858, 1118, 1609, 1605, 1913, 2148, 2325, 3195, 3381, 3392, 3881, 4182
GOITER, SUBSTERNAL: 123, 1723, 2743, 3133
GOLD ALLOYS: 1823
GOLD COLLOID, RADIOACTIVE: 844
GOLD ISOTOPES: 3572
GOLGI APPARATUS: 271, 480, 853, 702, 1202, 1211, 1301, 1424, 1520, 1843-1844, 1818, 1871, 2077, 2101, 2228, 2253, 2812, 2871, 2717, 2941, 3199, 3984, 4106
GONADOTROPINS: 96, 268, 607, 635, 801, 914, 1208, 1210, 1293, 1359, 1404, 1407, 1475, 1530, 1806, 1621, 1960, 2117, 2268, 2438, 2599, 2608, 2823, 2694, 2791, 3042, 3053, 3207, 3230, 3238, 3264, 3515, 3585-3588, 3883, 3683, 3898, 3761, 3920, 4130
GONADOTROPINS, CHORIONIC: 88, 98, 117, 214, 240, 242, 306, 311, 425, 434, 478, 544, 571, 604, 899, 838, 891, 1031, 1094, 1275, 1293, 1329, 1359, 1403, 1461, 1475, 1827, 1860, 1663, 1871, 1689-1891, 1739, 1762, 1826, 1879, 1946, 1984, 2092, 2158, 2205, 2413, 2508, 2546, 2894, 2713, 2715, 2787, 2777, 2787, 2791, 2819, 2868, 2875, 2880, 2990, 3008, 3044, 3053, 3178, 3300, 3368, 3372, 3627, 3629, 3863, 3898, 3759-3761, 3807, 3859, 3880, 3890, 3928, 3961, 3976, 3989, 4100
GONADOTROPINS, EQUINE: 98, 214, 291, 603-604, 891, 1052, 1094, 1303, 1359, 1403, 1627, 1782, 1937, 2135, 2282, 2894, 2791, 2819, 3368, 3552, 3627, 3663, 3761, 3807, 4098
GONADOTROPINS, PITUITARY: 102, 273, 302, 306, 441, 803, 1043, 1307, 1631, 1870, 1958, 2329, 2372, 2650, 2680, 2724, 3131, 3258-3259, 3519, 3553, 3828, 3781, 3910
GONADS: 83, 385, 387, 444, 598, 899, 787, 849, 982, 1015, 1205, 1289, 1354, 1392, 1868, 2590, 2745, 2835, 2882, 3019, 3265, 3582, 3688, 3724, 3746, 3819, 4189
GONORRHEA: 2280, 4054
GOODPASTURE'S SYNDROME: 3435
GOUT: 340, 2481, 2788, 3319
GRAAFIAN FOLLICLE: 96, 111, 273, 291, 558, 871, 798, 824, 851, 939, 963, 1010, 1303, 1602, 1693, 1733, 1786, 2317, 2352, 2411, 2484, 2514, 2545, 2771, 2891, 2907, 3311, 3359, 3541, 3898, 3860, 3978
GRAFT REJECTION: 112, 548, 688, 818, 855, 886-887, 895, 1053, 1810, 2172, 2237, 2449, 2827, 2992, 4015, 4058, 4091
GRAFT VS HOST REACTION: 352, 1283, 1536, 2172, 2974, 3742
GRAIN: 2074, 3413
GRAM NEGATIVE BACTERIA: 767
GRANULATION TISSUE: 2588
GRANULOMA: 715, 872, 1462, 1751, 2281, 3154, 3350, 3438, 3613, 4035
GRANULOMA, LETHAL MIDLINE: 3679
GRANULOMA, REPARATIVE GIANT CELL: 2424
GRANULOSA CELL TUMOR: 855, 1638, 1954, 2024, 2771
GRASSES: 349, 1412, 2074, 2592
GRASSHOPPERS: 1215, 1665, 2882
GREAT BRITAIN: 328, 720, 1529, 1615, 2481, 2778, 2822, 2954, 3478, 3746
GREECE: 46, 2419, 3291, 4191
GRISEOFULVIN: 2980, 3355
GROOMING: 725, 2460, 3142, 3794
GROUP PROCESSES: 1754
GROWTH: 119, 304, 647, 720, 811, 1873, 2665, 4020, 4188
GROWTH DISORDERS: 212, 318, 478, 583, 586, 1107, 1167, 1228, 1273, 1758, 1924, 2279, 2364, 2745, 2820, 3073, 3176, 3297, 3443, 3650, 4188
GROWTH SUBSTANCES: 592, 1650, 2596, 2889
GUANETHIDINE: 1584, 3067
GUANIDINES: 600, 941, 1019-1020, 1740, 3028, 3769
GUANINE: 44, 621, 2563
GUANINE NUCLEOTIDES: 1554, 2327, 4048
GUANOSINE: 3169, 3336, 3539
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE: 578, 871, 1200, 1230, 1265, 1328, 1648, 1873, 2264, 2993, 3181, 3387, 3955, 4046, 4063
GUANOSINE TRIPHOSPHATE: 330, 3778, 3765
GUANYL CYCLASE: 1265, 1873
GUINEA PIGS: 11, 18, 20, 64, 100, 104, 288, 396, 569, 589, 827, 649, 794, 818, 855, 913-914, 921, 951, 978, 996, 1036, 1082, 1143, 1191, 1214, 1220, 1274, 1350, 1358, 1359, 1437, 1574, 1584, 1592, 1725, 1748, 1782, 1787, 2042, 2052, 2054, 2070, 2210, 2249, 2289, 2303, 2313, 2344, 2421, 2637, 2739, 2782, 2784, 2854, 2878, 2927, 2969, 3145, 3175, 3221, 3256, 3315-3317, 3338, 3371, 3387-3388, 3459, 3495, 3569, 3598, 3609, 3669, 3709, 3752, 3782, 3805, 3836, 3852, 3880, 3906, 3955, 3981, 3984-3985, 4017, 4035, 4051, 4080, 4119
GYMNASTICS: 978, 2785
GYNANDROBLASTOMA: 1638, 1747
GYNECOLOGIC DISEASES: 1, 274, 734, 1840, 1874, 1802, 2204, 2239, 2710, 2725, 2752, 3021, 3270, 3422, 3515, 3649
GYNECOLOGIC NEOPLASMS: 1, 344, 1160, 1874, 2183, 2204, 2289, 2381, 2910, 2929, 3084, 3488, 3784
GYNECOLOGY: 1201, 2280, 2484, 3937
GYNECOMASTIA: 1130, 1329, 2258, 2619, 4206
HABITUATION (PSYCHOPHYSIOLOGY): 2682, 3637
HAEMOPHILUS INFECTIONS: 4085
HAEMOPHILUS INFLUENZAE: 4033
HAIR: 396, 874, 744, 1059, 1241, 1306, 1445, 1725, 2098, 3308, 4131, 4172, 4178
HALF-LIFE: 46, 49, 150, 155, 333, 394, 416, 553, 783, 903, 923, 1024, 1109, 1173, 1275, 1448, 2346, 2499, 3317, 3559, 3638, 4027, 4035
HALLUCINATIONS: 1395
HALLUCINOGENS: 554, 953, 1322, 2040
HALOGENS: 3307
HALOPERIDOL: 1331
HALOTHANE: 63, 241, 1864, 1985, 2000, 2885, 3933, 4168
HAMSTERS: 493, 509, 531, 539-540, 592, 810, 688, 879, 882, 1118, 1128, 1191, 1240, 1360, 1492, 1602, 1633, 1771, 1614, 1885, 1902, 1917, 2043, 2057-2058, 2069, 2106, 2163, 2188, 2198, 2210, 2217, 2563, 2565, 2704, 2833, 2890, 3012, 3060, 3209-3210, 3479, 3714, 3978, 4017, 4064, 4075
HAND: 28, 105, 369, 599, 894, 1579, 2178, 2424, 2857, 3842, 3897
HAND DERMATOSES: 1568, 1581
HANDICAPPED: 2481
HANDLING (PSYCHOLOGY): 2930
HAPLOIDY: 1687, 2842, 3528
HAPTOGLOBINS: 194-195
HAVERSIAN SYSTEM: 519, 2782
HAY FEVER: 1630, 2435, 3334
HEAD: 1511, 2229
HEAD INJURIES: 601, 1154, 1812, 2061, 2682, 3817
HEADACHE: 819, 1060, 1346, 1664, 1845, 2124, 2766, 2881, 2914, 3168, 4164
HEALTH: 2984
HEALTH EDUCATION: 2419
HEALTH RESORTS: 3043
HEALTH SURVEYS: 3746
HEARING DISORDERS: 2703
HEART: 18, 225-228, 241, 859, 739, 847, 1111, 1123, 1145, 1183, 1230, 1291, 1415, 1444, 1810, 1853, 1857, 1759, 1782, 1892, 1956, 1981, 1972, 2303, 2513, 2519, 2756, 2784, 2793, 3173, 3194, 3202, 3412, 3461, 3605, 3701-3702, 3887, 4091-4092
HEART ARREST: 1974
HEART ATRIUM: 829, 876, 1123, 1857, 2831, 2895, 3139, 3500, 3536
HEART AUSCULTATION: 1859, 2778, 2822, 2954
HEART BLOCK: 851, 2703, 4162
HEART CATHETERIZATION: 241, 2895, 3140, 4059
HEART CONDUCTION SYSTEM: 1122-1123, 1736, 2756, 3928
HEART DEFECTS, CONGENITAL: 372, 1379, 2335, 2904, 3068
HEART DISEASES: 241, 355, 373, 899, 973, 1501, 1854, 2531, 3603, 3648
HEART ENLARGEMENT: 1961, 2793, 2895, 3511
HEART FAILURE, CONGESTIVE: 18, 305, 363, 851, 847, 899, 1566, 1637, 2488, 2519, 2661, 2895, 3341, 3511, 3648, 3855, 3928, 4182, 4214

HEART FUNCTION TESTS: 1415, 3867
HEART NEOPLASMS: 3536, 3811
HEART RATE: 196, 225, 516, 838, 638, 659, 703, 750, 760, 653, 902, 990, 1036, 1111, 1212, 1230, 1405, 1416, 1439, 1501, 1596, 1857, 1661, 1878, 1736, 1782, 1692, 1965, 1966, 2466, 2737, 2631, 3067, 3202, 3270, 3362, 3412, 3609, 3698, 3758, 4092, 4099
HEART VALVE DISEASES: 4058
HEART VENTRICLE: 40, 241, 1111, 1123, 1415, 2166, 2266, 2793, 2695, 3151, 3194, 3511, 3701, 3667, 3669
HEAT: 2, 61, 116, 228, 443, 545, 744, 760, 767, 671, 955, 1165, 1223, 1234, 1362, 1441, 1499, 1632, 1975, 2392, 2407, 2607, 2978, 3078, 3091, 3230, 3467, 3475, 3996, 4024, 4055, 4063, 4102, 4115, 4147
HEAVY CHAIN DISEASE: 290
HEDGEHOGS: 996, 1762, 2101
HELA CELLS: 3745
HEMADSORPTION: 4075
HEMAGGLUTINATION INHIBITION TESTS: 1671, 2009
HEMAGGLUTINATION TESTS: 517, 2180, 3136, 3211, 3973, 4090
HEMANGIOMA: 60, 109, 503, 1265, 1827, 2115, 2274, 4116
HEMANGIOMA, CAVERNOUS: 1653
HEMARTHROSIS: 3319
HEMATOCRIT: 4, 72, 76, 236, 267, 430, 801, 681, 1050, 1102, 1310, 1499, 1706, 1893, 2501, 2858, 2693, 2602, 2816, 2925, 3027, 3059, 3063, 3092, 3096, 3173, 3296, 3435, 3720, 4152
HEMATOLOGIC DISEASES: 1091, 3592, 3611
HEMATOMA: 99, 784, 1103, 2115, 3176
HEMATOMA, EPIDURAL: 1154
HEMATOMA, SUBDURAL: 1154
HEMATOPOIETIC STEM CELLS: 1548, 2974
HEMATOPOIETIC SYSTEM: 16, 2736
HEMATOPORPHYRIN: 467
HEMATURIA: 1316, 1616, 2241, 3074, 3577
HEME: 967, 2004, 2749, 3735
HEMEPROTEINS: 2043, 2243, 3060
HEMICHOLINIUM 3: 667
HEMIPLEGIA: 2681, 4214
HEMOCHROMATOSIS: 2205, 3354, 3439
HEMODIALYSIS: 150, 229, 332, 366, 438, 538, 626, 924, 966, 1053, 1166, 1369, 1957, 1973, 2159, 2267, 2468, 2619, 3035, 3269, 3324, 4038
HEMODYNAMICS: 175, 454, 819, 847, 1203, 1738, 1799, 1966, 2551, 2911, 2916, 3667, 3865
HEMOGLOBIN: 60, 90, 238, 987, 1102, 1778, 2004, 2742, 2616, 3080, 3720, 3747
HEMOGLOBINOMETRY: 46, 1050, 1170, 1310, 2820, 3092, 3298, 3392, 3485
HEMOLYMPH: 2085, 2848, 3717
HEMOLYSIS: 320, 1314, 2199, 2583, 2758, 3136, 3628
HEMOLYTIC-UREMIC SYNDROME: 675
HEMOPEXIN: 3735
HEMOPHILIA: 99, 451, 770, 1614, 3226, 3979, 4026
HEMOPTYSIS: 3213
HEMORRHAGE: 820, 676, 797, 990, 1217, 1618, 2115, 2204, 2267, 2510, 2632, 2909, 3297, 3435, 3697, 4116
HEMORRHAGE, GASTROINTESTINAL: 438, 1160, 1606, 1928, 1998, 2215, 2502, 3099, 3616
HEMORRHAGE, POSTPARTUM: 34, 307, 1646, 3067, 3751
HEMORRHAGIC DIATHESIS: 170
HEMORRHOIDS: 3705
HEMOSIDERIN: 3354
HEMOSIDEROSIS: 4179
HEMOSTASIS: 393, 1519, 1818
HEPARIN: 3, 179, 875, 1899, 2078, 2137, 2985, 3075, 3171, 3205, 3249, 3324, 3483, 3705, 4157
HEPARITIN SULFATE: 1159
HEPATECTOMY: 823, 889, 748, 2602, 3741, 3866
HEPATIC COMA: 438
HEPATITIS: 218, 339, 1971, 2180, 2205, 2218, 2500, 2586, 2879, 2837, 3438, 3782, 3996
HEPATITIS, ANIMAL: 3555
HEPATITIS, HOMOLOGOUS SERUM: 2488
HEPATITIS, INFECTIOUS: 804, 892, 1030, 3433
HEPATITIS, TOXIC: 1090, 1194, 1345, 2124, 3555
HEPATOLENTICULAR DEGENERATION: 180, 1055
HEPATOMA: 511, 869, 942, 1049, 1223, 2217, 2288, 2573, 2750, 3010, 3089, 3130, 3158, 3433, 3516, 3533, 4173
HEPATOMEGALY: 59, 160, 1268, 2204, 2343, 3577, 3998
HERBICIDES: 2212
HEREDITARY DISEASES: 160, 1999, 2812, 3443, 4200
HERMAPHRODITISM: 4, 368, 740, 984, 1201, 1312, 1538, 1849, 2464, 2529, 3031, 3110, 3922, 4150, 4169
HERNIA: 1674
HERPES SIMPLEX: 414, 1602, 2843
HERPES ZOSTER: 458, 1602, 2643
HERPES ZOSTER, OCULAR: 2643, 2639, 2901
HERPESVIRUS: 2643, 3709
HERPESVIRUS HOMINIS: 1602, 3801
HERPESVIRUS INFECTIONS: 2643, 3106, 3709
HETEROCHROMATIN: 196, 754, 758, 2340, 2566, 2601
HETEROZYGOTE: 451, 1711, 1999, 3403
HEXACHLOROPHENE: 3705
HEXAMETHONIUM COMPOUNDS: 921, 1338, 1410, 1966, 3936
HEXESTROL: 3292, 3711-3712
HEXOBARBITAL: 1468, 2036, 2055, 3672
HEXOKINASE: 2012, 2356, 2655, 3451, 4022
HEXOSAMINES: 6, 209, 463, 722, 616, 1159, 2525
HEXOSAMINIDASES: 3230
HEXOSEDIPHOSPHATASE: 28
HEXOSEDIPHOSPHATES: 153
HEXOSEPHOSPHATES: 400, 3969
HEXOSES: 209, 360, 1710, 2012, 2873
HEXOSYLTRANSFERASES: 2758
HIBERNATION: 539-540, 2183, 2488, 2656, 3410, 3976, 4017
HINDLIMB: 35, 520, 735, 862, 1966, 3085, 3154, 3186-3169, 3431, 3846
HIP: 673, 1177, 1560, 1663, 2358, 3582, 3897
HIP CONTRACTURE: 3582
HIP DISLOCATION: 1798
HIP DISLOCATION, CONGENITAL: 1000, 1798, 3562
HIP JOINT: 538, 1177, 1489, 1623, 1845, 1663, 2148, 2342, 2800
HIPPOCAMPUS: 32, 910, 1079, 1382, 1413, 1707, 1719, 1744, 1864, 1868, 1670, 1938, 1942, 1944, 2206, 2235, 2285, 2299, 2386, 2505, 2605, 2937, 3185, 3192, 3414, 3723, 3916
HIRSUTISM: 140, 386, 786, 1031, 1459, 1469, 1647, 2098, 2416, 4154, 4163
HIRUDIN: 3705
HISTAMINASE: 1588, 2438, 3174
HISTAMINE: 11, 76, 149, 744, 762, 909, 921, 1352, 1440, 1657, 1867, 1952, 2040, 2300-2301, 2303, 2339, 2398, 2595, 2603, 2610, 2814, 2676, 2923, 3134, 3145, 3154, 3174, 3315-3317, 3371, 3387-3386, 3426, 3475, 3506, 3561, 3596, 3607, 3618, 3664, 4079
HISTAMINE LIBERATION: 264, 405, 1584, 2042, 2170, 2610, 3506, 3598, 3806, 4079-4080
HISTIDINE: 330, 474, 1020, 1559, 2580, 2623, 3237, 3263, 3685
HISTIOCYTES: 2670
HISTOCOMPATIBILITY: 1283, 2161, 3740
HISTOCOMPATIBILITY ANTIGENS: 667, 895, 1283, 2172, 2219, 3277, 3798, 4058
HISTOCOMPATIBILITY TESTING: 667, 1053, 4091
HISTOCYTOCHEMISTRY: 6, 30, 113, 167, 223, 247, 301, 400-401, 447, 492, 506, 547, 645, 875-878, 1007, 1016, 1026, 1163, 1169, 1211, 1233, 1239, 1299, 1337, 1345, 1358, 1384, 1408, 1424, 1440, 1471, 1558, 1596, 1600, 1644, 1713, 2073, 2092, 2101, 2177, 2226, 2230, 2253, 2268, 2312, 2348, 2389, 2471, 2475, 2534, 2586, 2852, 2736, 2817, 2859, 2891, 2908, 2944, 3027, 3047, 3058, 3077, 3097, 3122, 3251, 3310, 3426, 3480, 3498, 3534, 3559, 3739, 3750, 3803, 3821, 3885, 3901, 3984, 3982, 4092, 4106, 4122, 4139
HISTOLOGICAL TECHNICS: 563, 1544, 2094, 2268, 2474, 2510, 2709, 2774, 2782, 2921, 3328, 3788, 3882
HISTOLOGY, COMPARATIVE: 2812, 3583
HISTONES: 119, 581, 689, 745, 1085, 1200, 1339, 1702, 2089, 2444, 3183, 3339, 3778, 4063, 4095
HISTORICAL ARTICLE: 21, 284, 1333, 1485, 1603, 2127, 2478, 2481, 2663, 2778, 2822, 2954, 3200, 3291, 3387, 3818, 3758, 3963, 4028, 4091, 4212-4213
HISTORICAL BIOGRAPHY: 21, 2119, 2363, 2776, 2822, 2954, 3367
HISTORY OF MEDICINE, ANCIENT: 3291, 3756, 4091
HISTORY OF MEDICINE, 15TH CENT.: 3291, 3758
HISTORY OF MEDICINE, 18TH CENT.: 3291, 3756
HISTORY OF MEDICINE, 17TH CENT.: 2461, 3291, 3758
HISTORY OF MEDICINE, 16TH CENT.: 2461, 2776, 2822, 2954, 3291, 3756
HISTORY OF MEDICINE, 19TH CENT.: 21, 1465, 2481, 2663, 2776, 2622, 2954, 3200, 3291, 3387, 3618, 3756
HISTORY OF MEDICINE, 20TH CENT.: 264, 1333, 1485, 1803, 2119, 2127, 2363, 2476, 2863, 2776, 2622, 2954, 3200, 3291, 3616, 3758, 3963, 4026, 4091, 4212-4213
HISTORY OF MEDICINE, MEDIEVAL: 3756
HISTORY OF MEDICINE, MODERN: 3291
HODGKIN'S DISEASE: 290, 490, 537, 550, 566, 715, 763, 767, 608, 1045, 1104, 1109, 1139-1140, 1171, 1199, 1298, 1438, 1601, 2138, 2245, 2274, 2390, 2465, 2670, 2697, 2702, 2795, 2809, 2901, 2981, 3162, 3165-3166, 3303, 3715, 3790, 3811, 3883, 4205
HOME RANGE: 2362, 3340
HOMEOSTASIS: 543, 703, 932, 1021, 1033, 1085, 1455, 1799, 2139, 2145, 2684, 3346, 3895
HOMOCYSTEINE: 2099
HOMOCYSTINE: 2099
HOMOLOGOUS WASTING DISEASE: 9
HOMOSERINE: 2099
HOMOSEXUALITY: 2529, 4189
HOMOZYGOTE: 265, 2340, 3403
HOOKWORM INFECTIONS: 2604, 2742
HORMONES: 31, 52, 69, 145, 164, 261, 274, 772, 1008, 1049, 1191, 1227, 1383, 1520, 1529, 1690-1691, 1695, 1868, 1675, 2025-2029, 2080, 2087, 2139, 2218, 2408, 2550, 2588, 2661, 2758, 2861, 2884, 2923, 2976, 3013, 3024, 3161, 3225, 3271, 3391, 3543, 3648, 3859, 3734, 3765, 3957-3958, 4025, 4145
HORMONES, ECTOPIC: 432, 551, 971, 1586, 2266, 4161
HORSE DISEASES: 99, 409, 3838, 4179
HORSES: 99, 111, 409, 479, 699, 1359, 1437, 2031, 2103, 2393, 2907, 3080, 3230, 3852, 4124
HOSPITAL FOOD SERVICE: 3758
HOSPITAL MEDICATION SYSTEMS: 477
HOSPITAL OUTPATIENT CLINICS: 685, 2045
HOSPITAL PHARMACY SERVICE: 477
HOSPITALIZATION: 417, 685, 691, 791, 1154, 2213, 2915, 3072
HOSPITALS: 417
HOSPITALS, PSYCHIATRIC: 838
HOSPITALS, SPECIAL: 1097, 1104
HOSPITALS, TEACHING: 477, 3072
HOUSING, ANIMAL: 48, 151, 760, 2847, 2862, 2930, 3160, 3321, 3340, 3965
HUMAN: 1-2, 7, 10-11, 14-17, 19-20, 22, 24, 26-28, 33, 36, 41-43, 46, 49, 52, 55-60, 63, 66, 68, 70-73, 75, 79-86, 91-93, 95, 98, 101, 103, 105, 108-110, 113, 115, 116, 122-123, 125-126, 131-133, 135, 137-138, 140, 144, 150, 152, 154-157, 160-162, 164-165, 170, 172, 175, 177-180, 163-164, 191, 193-199, 202-203, 205-206, 208-211, 217-222, 224-225, 227-232, 234-239, 241, 248, 250, 252-253, 257-264, 266, 269, 272-278, 280-283, 288-290, 292, 297, 299-303, 305-307, 309-311, 313-319, 321, 323, 326, 328-329, 331-334, 337-340, 343-346, 350, 355, 357-375, 377, 379-381, 383, 386-388, 393, 395, 398, 403-405, 407-408, 410, 412, 414, 416-419, 422, 427, 429, 431-435, 438-439, 442, 444, 446, 448-449, 454-455, 457-458, 460-462, 464-469, 471-473, 475-478, 482, 485-486, 489-490, 492, 494-497, 500-503, 507, 516, 519, 522, 526, 528-530, 535, 537-538, 541, 544-546, 548, 550-552, 554-555, 558, 563-567, 569-570, 573, 575, 577, 582-586, 588, 590, 594-595, 599, 602, 607, 612, 616-618, 622, 624-625, 628, 632-635, 637, 642-644, 648, 651, 655-656, 665-666, 668, 672, 675-677, 681, 684, 686-687, 691-692, 694, 696-697, 700, 703-704, 708, 711-712, 715-717, 719-722, 724, 726-728, 732-734, 736-738, 741, 743, 746, 748-749, 754-756, 758-759, 763-764, 768, 770, 772-778, 780, 785, 767-788, 791, 795, 799-801, 804, 808-809, 611-816, 819-820, 825-827, 633-835, 838, 841-844, 847-848, 850-857, 860-861, 864, 666, 868, 872-874, 877-878, 880, 885-888, 890, 892-894, 899, 902, 904-907, 911-912, 915-920, 923-925, 929, 931-936, 942-944, 947, 949, 952-954, 956-957, 960, 964-966, 969, 971-975, 977-978, 981, 985-987, 989-991, 996-1004, 1006-1009, 1013,

1021-1023, 1026, 1028-1032, 1037, 1040, 1042, 1045-1048, 1049-1050, 1053, 1055-1060, 1062-1083, 1065, 1071, 1073-1074, 1077-1078, 1080, 1085, 1067-1093, 1085-1087, 1101, 1103-1104, 1106-1109, 1111, 1116-1117, 1120-1122, 1124-1126, 1129-1130, 1132-1136, 1139-1140, 1142, 1144-1146, 1148, 1150-1152, 1154-1155, 1157, 1180, 1162, 1185 1166-1167, 1168-1171, 1177-1180, 1184-1185, 1167-1166, 1190, 1193-1196, 1189, 1201, 1203-1204, 1208, 1210, 1212, 1214, 1216-1218, 1224-1229, 1231, 1234, 1236, 1238, 1240, 1245, 1247, 1249, 1258-1264, 1266, 1268, 1271-1273, 1275, 1276-1281, 1264-1285, 1287-1290, 1292-1297, 1302, 1308-1316, 1318, 1321, 1323-1325, 1329-1330, 1334-1335, 1342, 1346-1347, 1350-1351, 1353, 1357, 1359, 1361, 1363, 1365, 1368-1369, 1372-1373, 1379, 1382, 1384-1386, 1388, 1390, 1394-1396, 1406-1407, 1414, 1417, 1420-1423, 1425-1428, 1430, 1432-1436, 1438-1440, 1442-1443, 1447, 1449-1453, 1455-1457, 1459-1464, 1468-1469, 1471-1475, 1477-1481, 1483, 1487, 1489, 1491, 1493-1497, 1499, 1501, 1505, 1507, 1510, 1512-1513, 1515, 1518, 1522-1524, 1528-1528, 1533, 1538-1540, 1542-1547, 1549-1550, 1552-1553, 1560, 1564-1568, 1570-1572, 1579-1583, 1585-1581, 1601, 1606-1607, 1609, 1612-1815, 1616, 1620-1623, 1825, 1629-1631, 1834-1635, 1837-1638, 1640-1641, 1849, 1851-1652, 1854-1658, 1880, 1664, 1666-1671, 1674-1678, 1682-1683, 1685-1692, 1894-1698, 1703-1706, 1706-1709, 1711-1712, 1718, 1720, 1722-1723, 1725, 1727-1729, 1731, 1734, 1736-1739, 1741-1742, 1744-1748, 1751, 1753-1758, 1760, 1762-1763, 1766-1768, 1770, 1772, 1776, 1761, 1763, 1767, 1790, 1782-1794, 1798, 1600-1602, 1604-1805, 1808, 1810-1613, 1815, 1817, 1819-1820, 1822, 1824, 1828-1827, 1830, 1833-1637, 1839-1640, 1843-1847, 1848, 1851-1656, 1860-1863, 1866-1867, 1874, 1876-1879, 1881-1883, 1886-1891, 1885, 1888, 1900-1901, 1904, 1906-1908, 1910, 1913-1914, 1917, 1918-1820, 1822-1928, 1830-1831, 1833, 1835, 1947-1948, 1850, 1952-1855, 1857-1958, 1882-1967, 1889, 1971-1874, 1981-1985, 1988-1994, 1898-1999, 2002-2008, 2009-2010, 2013, 2016, 2018, 2022, 2024-2028, 2032, 2038, 2041, 2043-2048, 2050-2051, 2055-2056, 2058, 2081-2082, 2068, 2071, 2077-2080, 2082-2083, 2068, 2089, 2092-2101, 2104, 2107, 2111-2112, 2115-2118, 2118, 2123-2124, 2126, 2128, 2130-2132, 2134, 2136, 2138-2139, 2141, 2144-2146, 2146
2149, 2152, 2158-2159, 2162, 2164-2165, 2168, 2170-2171, 2174, 2176, 2180, 2163-2184, 2167, 2190-2194, 2199-2200, 2202, 2204-2205, 2207, 2213, 2215-2218, 2216, 2221-2223, 2225, 2227-2230, 2233-2234, 2237, 2238-2242, 2244-2246, 2248, 2250-2252, 2254-2255, 2258-2281, 2285-2268, 2288-2271, 2279-2280, 2282, 2287, 2289, 2291, 2295, 2286, 2301-2302, 2305-2306, 2309, 2311-2312, 2314, 2318-2318, 2320, 2325, 2327-2328, 2331-2336, 2338, 2342-2343, 2345-2346, 2349, 2351-2352, 2356, 2358-2358, 2382, 2364-2366, 2368-2389, 2375, 2378, 2381, 2383-2384, 2386, 2390, 2394, 2396, 2398, 2400-2401, 2405, 2407-2410, 2413-2417, 2418-2420, 2422, 2424, 2426-2431, 2433, 2435-2436, 2438-2441, 2443, 2445-2448, 2448-2450, 2452, 2454-2455, 2457, 2459, 2461-2462, 2485, 2468, 2470, 2472, 2474, 2477, 2478-2481, 2483, 2487-2489, 2491-2498, 2498, 2500, 2502-2504, 2507-2509, 2511-2512, 2514-2515, 2519, 2522-2523, 2526-2533, 2535-2537, 2540, 2542-2543, 2545, 2547, 2549, 2551, 2555-2557, 2559, 2561, 2564, 2566-2568, 2570-2571, 2575, 2581-2586, 2590, 2594, 2597-2598, 2600-2602, 2604-2605, 2808, 2611, 2613, 2616-2617, 2619-2620, 2624-2825, 2827, 2629, 2634, 2637, 2640, 2643, 2649-2650, 2854-2657, 2858, 2661-2662, 2666-2667, 2669-2670, 2672, 2875-2680, 2682, 2684-2685, 2688, 2692, 2895, 2687-2700, 2702-2703, 2706, 2708, 2710, 2712, 2715-2716, 2718-2720, 2722-2723, 2725-2726, 2728, 2730-2731, 2733-2734, 2737-2738, 2740-2745, 2747, 2749-2752, 2757-2759, 2761, 2763-2769, 2771-2772, 2775, 2777-2776, 2781-2783, 2765-2786, 2788, 2790, 2794-2795, 2797-2799, 2803-2804, 2806, 2808-2809, 2812, 2816, 2820, 2822, 2826-2830, 2832, 2834, 2637, 2839, 2841-2843, 2845-2846, 2848-2849, 2851-2853, 2858, 2860-2861, 2864, 2867, 2871, 2873-2875, 2877, 2879-2880, 2884-2885, 2894-2902, 2905-2906, 2909-2910, 2912-2915, 2917-2916, 2920, 2922-2924, 2928-2929, 2931-2933, 2935-2936, 2839-2940, 2942-2943, 2945-2948, 2953-2954, 2856-2958, 2960, 2964, 2987, 2969-2970, 2973-2875, 2878, 2981, 2988
2987-2989, 2993, 2995, 2997-2998, 3001, 3003, 3007-3010, 3015-3017, 3020-3025, 3026, 3030, 3033-3035, 3039-3040, 3042-3043, 3049, 3051-3054, 3081, 3066, 3068-3069, 3071-3074, 3076-3079, 3081-3084, 3086-3086, 3092, 3094-3095, 3097-3096, 3101-3102, 3105-3108, 3110, 3112, 3119, 3122-3123, 3125-3126, 3129-3131, 3133, 3139, 3141, 3144, 3146, 3151-3153, 3158, 3159, 3181-3168, 3168-3169, 3174, 3176-3179, 3182-3183, 3165-3167, 3195, 3197-3196, 3201-3207, 3211, 3213-3214, 3216, 3216-3220, 3223-3224, 3226-3229, 3237, 3239-3241, 3248, 3250, 3252-3253, 3259, 3261-3262, 3264, 3268, 3268-3274, 3276, 3279-3261, 3264, 3287, 3289, 3292, 3294-3297, 3300-3303, 3306-3308, 3311-3314, 3319, 3321-3324, 3326-3328, 3330, 3334-3338, 3341-3349, 3353-3358, 3359, 3361, 3368, 3370-3373, 3378-3376, 3384, 3388-3387, 3390, 3382, 3394, 3398-3400, 3402-3403, 3405-3409, 3415-3416, 3416, 3420-3423, 3427-3428, 3430, 3432-3443, 3447-3448, 3450, 3454, 3456, 3458-3466, 3468-3470, 3472, 3474, 3478-3476, 3480-3482, 3484-3485, 3486-3489, 3492, 3494, 3499-3500, 3502-3503, 3507-3508, 3514-3517, 3519, 3521-3528, 3532-3537, 3540-3541, 3543-3548, 3550, 3554, 3556, 3558, 3582, 3566-3567, 3571-3572, 3575-3577, 3584-3588, 3590, 3592, 3594, 3597, 3599-3601, 3606, 3612-3614, 3616, 3616, 3620, 3623-3625, 3829, 3631, 3835-3838, 3638, 3640, 3644-3646, 3648-3851, 3653-3855, 3657, 3859-3681, 3665-3868, 3668, 3875-3676, 3679, 3681-3683, 3686-3688, 3893, 3695-3700, 3703-3708, 3715, 3719, 3722, 3725-3726, 3728, 3733, 3737-3738, 3740, 3743-3747, 3751-3752, 3754-3756, 3759-3763, 3767-3768, 3770, 3772, 3774-3775, 3776-3781, 3763-3784, 3790-3792, 3798, 3800-3801, 3809-3814, 3817-3818, 3822-3824, 3826-3831, 3835, 3837, 3839, 3841-3842, 3845, 3849, 3851, 3854-3860, 3882, 3864, 3887, 3870, 3872, 3874-3878, 3879-3863, 3865-3889, 3891, 3885, 3897, 3899, 3904-3905, 3908-3910, 3914-3917, 3920, 3924-3925, 3927-3929, 3831-3935, 3837-3938, 3940, 3943, 3947, 3949-3951, 3957-3962, 3967-3968, 3971, 3979
3980, 3982-3983, 3986, 3990, 3992, 3895-3997, 3998, 4002, 4004-4010, 4012, 4014-4018, 4016, 4020, 4022-4023, 4025-4026, 4028-4032, 4034-4035, 4037-4038, 4040-4042, 4047, 4049-4050, 4054-4058, 4060, 4062, 4065, 4072-4073, 4080-4082, 4084-4085, 4067, 4091, 4093, 4100, 4103, 4105, 4109, 4112, 4116-4119, 4123-4124, 4126-4135, 4137, 4140, 4146, 4151, 4153-4154, 4156-4157, 4159-4160, 4162-4172, 4174-4178, 4160-4191, 4193-4210, 4214-4215
HUMERAL FRACTURES: 1489
HUMERUS: 463, 894, 1086, 2358, 3125
HUNGARY: 1333, 1603
HUNGER: 1581, 1744, 2145, 2290, 2810, 3121, 3233
HYALINE MEMBRANE DISEASE: 2875
HYALURONIC ACID: 954, 1159, 1376, 3351
HYALURONIDASE: 50, 221, 1284, 1975, 2657, 2986, 4124
HYBRID CELLS: 1085, 2217, 3518, 3691
HYBRIDIZATION: 1257, 2181, 2355
HYDANTOINS: 1296
HYDATIDIFORM MOLE: 157, 1160, 1373, 1461, 1588, 1871, 1636, 2005, 2381, 2454, 2767, 3668, 3790, 3768, 3798, 4065
HYDRALAZINE: 917, 1259
HYDRAMNIOS: 503, 1495
HYDRAZINES: 60, 2107, 3244, 3754
HYDRAZONES: 94, 636, 1038, 2919
HYDROCARBONS: 450, 1183, 2043, 3447
HYDROCARBONS, HALOGENATED: 241, 1299, 1938, 2541, 3282
HYDROCELE: 1674, 2168, 2743, 2864
HYDROCEPHALUS: 60, 2229, 3443, 4105
HYDROCHLORIC ACID: 49, 2059-2060, 3609
HYDROCHLOROTHIAZIDE: 17
HYDROCORTISONE: 52, 81, 88, 92, 100, 135, 146, 150, 194-195, 202, 231, 238, 299, 428, 461-462, 486, 496, 511-512, 551, 587, 602, 826, 633, 640, 646, 688, 690, 716, 768, 604, 621, 632, 835, 841, 674, 676, 923, 935, 1013, 1016, 1069, 1082, 1113-1114, 1129, 1137, 1174, 1176-1179, 1190, 1204, 1234, 1246-1247, 1250, 1259, 1284, 1287, 1319-1320, 1365, 1423, 1453, 1490, 1498, 1524, 1553, 1568, 1586, 1626, 1656, 1680, 1749-1750, 1769, 1763, 1606, 1609, 1629, 1638, 1651, 1865, 1695, 1906, 1947, 1950, 1963, 1985, 2027, 2031, 2052, 2073, 2078, 2093, 2099-2100, 2122, 2144, 2156, 2160, 2182, 2166, 2191-2182, 2194, 2199, 2255, 2258, 2271, 2283-2284, 2298, 2309, 2319, 2332, 2341, 2376, 2380, 2443, 2451, 2542, 2559-2560, 2597, 2667, 2737, 2767, 2781, 2789, 2807, 2823, 2879, 2939, 2947, 2973, 2977, 3001, 3073, 3076, 3156, 3192, 3205, 3212, 3222, 3230, 3234, 3253, 3266, 3277, 3323, 3404, 3414, 3432, 3442, 3460, 3465, 3491, 3494, 3496, 3544, 3547, 3548, 3573, 3561, 3604-3605, 3647, 3665, 3674, 3730, 3733, 3771, 3793, 3862, 3885, 3894, 3898, 3912, 3960, 3984-3965, 4040, 4053, 4153
HYDROCORTISONE, TOPICAL: 494, 717, 757, 1385, 2149, 2370, 2940, 3464, 3482, 3845
HYDROGEN: 2169, 2642, 3090, 3148, 3711-3712
HYDROGEN-ION CONCENTRATION: 5, 78, 134, 153, 256, 307, 393, 400, 529, 532, 549, 577, 581, 654, 669, 693, 706, 714, 721, 610, 671, 926, 988, 1018, 1020, 1048, 1084, 1157, 1165, 1200, 1217, 1229, 1244, 1320, 1326, 1348, 1377, 1381, 1405, 1419, 1592, 1613, 1643, 1655, 1702, 1731, 1767, 1601, 1882, 1916, 1927, 1951, 2137, 2143, 2154, 2173, 2178, 2203, 2224, 2324, 2350, 2356, 2376, 2432, 2444, 2557, 2560, 2563, 2616, 2661, 2672, 2801, 2965, 3028, 3080, 3083, 3128, 3137, 3146, 3161, 3221, 3276, 3320, 3377, 3455, 3475, 3609, 3661, 3701-3702, 3710, 3718, 3736, 3765, 3795, 3917, 3941, 3955, 4074, 4094, 4124, 4157
HYDROGEN PEROXIDE: 3656
HYDROGENATION: 534, 1248, 2108, 2169
HYDROLASES: 400, 1214, 1401, 2113, 3647, 3803
HYDRO-LYASES: 2099, 2308
HYDROLYSIS: 90, 94, 322, 435, 677, 926, 1020, 1176, 1293, 1306, 1748, 1632, 2103, 2137, 2154, 2197, 2416, 2452, 3016, 3161, 3457, 3680, 3917, 4068
HYDRONEPHROSIS: 2967, 3193, 3797, 3866
HYDROQUINONES: 794
HYDROSTATIC PRESSURE: 1818, 3028
HYDROTHERAPY: 536, 3043
HYDROTHORAX: 3761
HYDROXAMIC ACID: 1377
HYDROXYAPATITE: 382, 1313, 1579, 2077, 2242
HYDROXYBUTYRATES: 854, 2162, 2252, 2613, 3477, 3873
HYDROXYCHOLECALCIFEROL: 229, 384, 1153, 1397, 1518, 2292, 2494
11-HYDROXYCORTICOSTEROIDS: 101, 161, 615, 916, 958, 1499, 1630, 1876, 1694, 2761, 2799, 3191-3192, 3222, 3550, 3617, 4112
17-HYDROXYCORTICOSTEROIDS: 101, 161, 263, 292, 462, 496, 551, 926, 965, 1006, 1129, 1147, 1176-1179, 1385, 1442, 1722, 1914, 2018, 2286, 2326, 2391, 2650, 2939, 3442, 3547, 3579, 3625, 3665, 3751, 3758, 3885, 3939, 4034, 4154
HYDROXYCORTICOSTEROIDS: 161, 1225, 1411, 2428, 2760, 3585
HYDROXYDIONE: 1212, 3726
HYDROXYDOPAMINE: 20, 353, 903, 1405, 1600, 2813, 4113
HYDROXYINDOLEACETIC ACID: 148, 353, 470, 637, 739, 1172, 1228, 1232, 1396, 1941, 2040, 2067, 2544, 2965, 3381, 3525, 3799
HYDROXYLAMINES: 1559
HYDROXYLASES: 450, 515, 1128, 1730, 1936, 2043, 2416, 3652
HYDROXYLATION: 20, 246, 461, 935, 963-964, 1158, 1212, 1222, 1391, 1482, 1780, 1905, 2040, 2050, 2134, 2243, 2548, 2705, 2797, 3383, 3712, 3764, 3939
HYDROXYLYSINE: 2050, 3685
HYDROXYPREGNENOLONE: 1403, 2479, 2631-2632
HYDROXYPROGESTERONE: 273, 308, 461, 609, 938, 1110, 1403, 1749, 1763, 2049, 2316, 2479, 2631-2632, 2946, 2958, 3145, 3332, 3393, 3720, 3776, 3846, 3906, 4109
HYDROXYPROLINE: 210, 230, 328, 463, 476, 720, 722, 989, 1456, 1769, 2050, 2866, 3184, 3351, 3707, 3732, 3964, 4122, 4144
HYDROXYSTEROID DEHYDROGENASE: 167, 245, 635, 743, 983, 1252-1254, 1304, 1364, 1392, 1424, 1596-1597, 1918, 2202, 2463, 2534, 2583, 2792, 2845, 3097, 3310, 3363, 3498, 3621, 3652, 3667, 3671, 3748, 3750, 3981, 3998
HYDROXYSTEROIDS: 135, 241, 246, 259, 297, 564, 688, 731, 983, 1044, 1196, 1836, 1905, 2166, 2191, 2316, 2538-2539, 2902, 3264, 3349, 3456, 3660, 3716, 3949, 3998, 4123
HYDROXYTRYPTOPHAN: 771, 1232, 1239, 1396, 1426, 2040, 3637, 3799
HYDROXYUREA: 1205, 1492
HYDROXYZINE: 777
HYGIENE: 2847
HYOID BONE: 2988, 3376
HYPERALDOSTERONISM: 132, 140, 156, 253, 435,

583, 687, 712, 737, 842, 902, 1185, 1187, 1259, 1908, 1998, 2147, 2171, 2248, 2428, 2503, 2507, 2794, 3094, 3344, 3399, 3833, 3800, 3918-3917, 3924, 4082, 4180
HYPERBARIC OXYGENATION: 280, 1442, 2886
HYPERBILIRUBINEMIA: 1700, 2244, 3224, 4082
HYPERCALCEMIA: 184, 275, 305, 384, 489, 594, 812, 653, 949, 989, 1089, 1111, 1369, 1451, 1882, 2096, 2124, 2731, 2773, 2829, 3130, 3134, 3214, 3303, 3328, 3427, 3577, 3835, 3809, 4135, 4140, 4170
HYPERCAPNIA: 880
HYPERCHOLESTEREMIA: 989, 1533, 2377
HYPEREMESIS GRAVIDARUM: 3668
HYPERGAMMAGLOBULINEMIA: 80, 2199, 4028
HYPERGLYCEMIA: 818, 1068, 2150, 2502, 2879, 3421
HYPERINSULINISM: 3268
HYPERKINESIS: 936, 1639, 3700
HYPERLIPEMIA: 101, 585, 989, 1091, 1467, 1734, 2033, 2504, 2519, 2629, 2920, 3122, 3279, 3441
HYPERLIPEMIA, ESSENTIAL FAMILIAL: 585, 3854
HYPERNATREMIA: 1908, 2093
HYPEROSTOSIS, CORTICAL CONGENITAL: 1261, 3897
HYPERPARATHYROIDISM: 38, 83, 210, 224, 317, 388, 422, 805, 648, 696, 894, 927, 942, 966, 1369, 1449, 1682, 1813, 1883, 2222, 2241, 2383, 2424, 2533, 2590, 2768, 2773, 2829, 3088, 3214, 3326, 3851, 3857
HYPERPARATHYROIDISM, SECONDARY: 275, 388, 538, 924, 949, 1374, 1579, 1994, 2159, 2617, 3214, 3303, 3904, 4182
HYPERPLASIA: 43, 75, 263, 275, 583, 687, 1330, 1369, 1430, 1708, 1847, 1914, 2248-2249, 2383, 3331, 3575, 3885, 3919, 4009
HYPERSENSITIVITY: 58, 1854, 1658, 2031, 2613, 2988, 3484, 4080
HYPERSENSITIVITY, DELAYED: 414, 622, 1797, 2170, 2552, 3838, 3985, 4090
HYPERSENSITIVITY, IMMEDIATE: 2170, 4079
HYPERTENSION: 65, 132, 412, 435, 454, 681, 703, 711, 880, 902, 973, 1103, 1134, 1165-1166, 1289, 1508, 1809, 1637, 1886, 1681, 1757, 1792, 1888, 1924, 2115, 2138, 2171, 2211, 2248, 2428, 2503, 2507, 2511, 2519, 2770, 2788, 2794, 3025, 3094, 3128, 3302, 3353, 3503, 3817, 3628, 3633, 3648, 3698, 3800, 3830-3831, 3855-3857, 3934, 3952, 3962, 3999, 4023, 4050, 4062, 4180, 4190, 4214
HYPERTENSION, MALIGNANT: 156, 828, 2507
HYPERTENSION, RENAL: 1, 132, 412, 648, 712, 785, 828, 893, 1185, 1388, 1741, 1881, 1997, 2048, 2368-2389, 2507, 2788, 2794, 2967, 3269, 3577, 3780, 3831, 3889, 3876, 3924, 4012, 4023
HYPERTHYROIDISM: 14, 140, 191, 233, 300, 316, 346, 395, 398, 417, 628, 697, 783, 847, 929, 972, 1080, 1090, 1093, 1144, 1245, 1347, 1388, 1406, 1480, 1524, 1566, 1634, 1676, 1696-1897, 1729, 1742, 1805, 1883, 1896, 1930, 1962, 1972, 1974, 1995, 2071, 2080, 2148, 2230, 2325, 2393, 2399, 2477, 2512, 2547, 2581, 2591, 2708, 2738, 2750, 2761, 2778, 2822, 2831, 2936, 2954, 2956, 2964, 3018, 3020, 3123, 3129, 3151-3152, 3214, 3356, 3384, 3390, 3392, 3399-3400, 3421, 3428, 3461, 3492, 3528, 3558, 3584, 3600, 3603-3604, 3650, 3878, 3706, 3791, 3835, 3870, 3872, 3915, 4103
HYPERTONIC SOLUTIONS: 176, 1735
HYPERTRICHOSIS: 2757, 3307
HYPERTROPHY: 253, 293, 428, 583, 810, 643, 687, 713, 1029, 1307, 1430, 1595, 1612, 2713, 3007, 3016, 3055, 3193, 3784, 4049, 4155
HYPERVENTILATION: 1925
HYPESTHESIA: 2861
HYPNOTICS AND SEDATIVES: 274, 325, 438, 1267
HYPOCALCEMIA: 653, 881, 932, 1397, 1565, 1994, 2231, 2494, 2731, 3822, 3827
HYPOGLYCEMIA: 355, 586, 800, 835, 1079, 1130, 1225, 1421, 2080, 2100, 2231, 2559, 2562, 2745, 2780, 2896, 3268, 3460, 3471, 3629, 4165, 4177, 4194
HYPOGONADISM: 140, 199, 248, 607, 1187, 1386, 1806, 1852, 1886, 2002, 2009, 2677, 2728, 2745, 2820, 3548, 3553, 3859, 4055, 4130
HYPOKALEMIA: 253, 583, 687, 712, 1430, 3344, 4135
HYPONATREMIA: 236, 253, 355, 971, 987
HYPOPARATHYROIDISM: 133, 476, 696, 736, 1157, 2044, 3354, 3592, 3755, 3828, 3858
HYPOPHOSPHATEMIA, FAMILIAL: 2718, 3403
HYPOPHYSECTOMY: 119, 188, 243, 287-288, 446, 487, 512-514, 699, 781, 806-807, 809, 885, 891, 901, 932, 937, 992, 1255, 1317, 1332, 1530, 1775, 1829, 1968, 2000, 2081, 2133, 2160, 2187, 2189, 2193, 2198, 2218, 2378, 2408, 2511, 2578, 2584, 2671, 2780, 2823, 2840, 2889, 2923, 3062, 3109, 3115, 3117, 3255, 3309, 3407, 3420, 3458, 3589, 3602, 3877, 3923, 3978, 4039, 4089
HYPOPITUITARISM: 98, 140, 807, 815, 1225, 1515, 1537, 1621, 1896, 1817, 1931, 2316, 2629, 2896, 2997, 3176, 3187, 3431, 3548, 3681, 3813, 3858, 4028
HYPOSPADIAS: 2461, 3888
HYPOTENSION: 190, 355, 1706, 1799, 1924
HYPOTENSION, ORTHOSTATIC: 2159
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 142, 292, 348, 402, 499, 631, 809, 813, 876, 900, 938, 946, 1024, 1189, 1242, 1278, 1647, 1725, 1777, 1795, 1818, 1943, 2013, 2100, 2345, 2373, 2378, 2521, 2707, 2712, 2739, 2798, 2857, 2863, 3187, 3258-3259, 3323, 3460, 3515, 3570, 3670, 3903
HYPOTHALAMUS: 20, 25, 32, 47, 53, 102, 107, 127, 142, 151, 159, 182, 236, 293-294, 312, 335, 353, 355, 388, 413, 437, 459, 527, 559, 574, 601, 614, 639, 670, 701, 707, 710, 752, 760, 789, 792-793, 797, 809, 867, 908, 910, 955, 961, 970, 1050, 1079, 1095, 1163, 1208, 1219, 1235, 1298, 1361, 1386-1387, 1380, 1382, 1394, 1405, 1455, 1467, 1511, 1558, 1561, 1571, 1573, 1593, 1606, 1696, 1707, 1744, 1764, 1778, 1795, 1850, 1869-1870, 1877, 1892, 1906, 1909, 1930, 1932, 1938, 1943, 2001, 2030, 2034, 2054, 2059, 2090, 2093, 2122, 2129, 2145, 2154, 2197, 2206, 2253, 2275, 2290, 2329, 2371, 2376, 2425, 2486, 2497, 2505, 2518, 2541, 2605, 2607, 2623, 2673-2674, 2684, 2694, 2704, 2707, 2712, 2810, 2813, 2844, 2852, 2858, 2889, 2892, 2926, 2935, 2937, 2991, 3004, 3019, 3027, 3045-3046, 3071, 3120-3121, 3135, 3145, 3185, 3191-3192, 3233, 3258-3259, 3285, 3338, 3407, 3412, 3414, 3417, 3453, 3467, 3473, 3475, 3499, 3513, 3515, 3560, 3570, 3580, 3593, 3627, 3632, 3642-3643, 3673-3674, 3723, 3752, 3758, 3786, 3794, 3799, 3834, 3869, 3893, 3903, 3920, 3930, 3944, 3965-3966, 3993-3994, 4070, 4078, 4088, 4099, 4138, 4138, 4149, 4151
HYPOTHERMIA: 310, 355, 1571
HYPOTHERMIA, INDUCED: 527, 3976
HYPOTHYROIDISM: 14, 56, 140, 212, 233, 314, 316, 329, 340, 395, 682, 697, 727, 783, 919-920, 931, 1040, 1093, 1121, 1130, 1157, 1245, 1249, 1386, 1478, 1524, 1533, 1550, 1612, 1621, 1635, 1697, 1773, 1854, 2080, 2148, 2213, 2246, 2268, 2311, 2333, 2354, 2377, 2393, 2396, 2547, 2581, 2629, 2708, 2793, 2900, 2924, 2957, 2976, 3016, 3038, 3152, 3214, 3356, 3390, 3392, 3399, 3468, 3528, 3556, 3584, 3600, 3605, 3676, 3687, 3706-3707, 3755
HYPOTONIC SOLUTIONS: 818, 2801
HYPOXANTHINES: 860, 1934, 2217, 2563, 3336
HYPSARRHYTHMIA: 4137
HYSTERECTOMY: 27, 157, 622, 655, 843, 865, 1124, 1461, 1937, 1953, 2001, 2066, 2255, 2514, 2545, 2740, 2776, 3270, 3599, 3768, 3797, 3848, 3908, 4065
HYSTEROSALPINGOGRAPHY: 1629, 2362
IATROGENIC DISEASE: 536, 917, 4028
ICHTHYOSIS: 2989, 3887
IDENTIFICATION (PSYCHOLOGY): 2429, 2527, 2677, 3719
IDENTITY CRISIS: 3700
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 1654
IDOXURIDINE: 1802, 1860, 2839
IGA: 218, 290, 868, 952, 1323, 1379, 1904, 2218, 2441, 2948
IGE: 2986, 3295, 4079-4080
IGG: 184, 218, 242, 577, 1323, 1566, 1904, 1927, 1948, 1955, 2218, 2225, 2333, 2948, 3400, 3532, 4028
IGM: 218, 1323, 1490, 1904, 1955, 2180, 2218, 2948
ILEUM: 136, 556, 1149, 1350, 2011, 2408, 2493, 3425, 3805, 4079
ILIAC ARTERY: 3284, 3575
ILIUM: 328, 332, 386, 676, 722, 911, 954, 1032, 1798, 2242, 2358, 2909
IMIDAZOLES: 77, 243, 487, 1020, 1161, 1240, 1338, 1729, 2040, 2282, 2961-2962, 3364
IMIDES: 169, 389, 859, 1643
IMINES: 689, 1019, 1192, 1727, 3569
IMIPRAMINE: 53, 222, 470, 3222, 4052, 4211
IMMERSION: 1021, 1571
IMMOBILIZATION: 903, 978, 1409-1410, 1979, 2589, 2891, 2977, 3192, 3196, 3214, 3321, 3340, 3406, 4147
IMMUNE ADHERENCE REACTION: 145-147, 887, 1066, 1490
IMMUNE SERUMS: 89, 112, 147, 181, 183, 239, 242, 460, 498, 523, 542, 592, 644, 699, 732, 891, 996, 1009, 1051, 1069, 1150, 1223, 1245, 1437, 1574, 1614, 1760, 1927, 1955, 2042, 2102, 2189-2170, 2269, 2339, 2379, 2589, 2870, 2907, 2958, 3077, 3204, 3230, 3277, 3310, 3325, 3359, 3459, 3815, 3740, 3818, 3947, 3961, 4211
IMMUNE TOLERANCE: 184, 531, 895, 2172
IMMUNITY: 675, 1096, 3346
IMMUNITY, CELLULAR: 145-146, 595, 822, 834, 855, 868, 895, 1069, 1822, 1948, 2298, 2433, 2552, 2974, 3064, 3469, 3742, 3984, 4015
IMMUNITY, PASSIVE: 2042, 3310
IMMUNIZATION: 19, 239, 952, 980, 2506, 2603, 2683, 3136, 3287, 3310, 3615, 3984, 4153
IMMUNOASSAY: 181, 183, 3034
IMMUNOCHEMISTRY: 168, 1485, 2442, 2663, 3077, 3921
IMMUNOELECTROPHORESIS: 242, 281, 290, 1437, 1490, 1727, 1760, 1904, 1927, 1955, 2225, 2375, 2395, 3008, 3296, 3433, 3735, 3760, 3826, 3880, 4028
IMMUNOGENETICS: 1283
IMMUNOGLOBULIN FRAGMENTS: 1490, 2441
IMMUNOGLOBULINS: 198, 218, 443, 952, 1170, 1490, 1927, 2218, 2375, 3064, 3369
IMMUNOGLOBULINS, FAB: 3826, 3961
IMMUNOGLOBULINS, J CHAIN: 2441
IMMUNOLOGIC DEFICIENCY SYNDROMES: 952, 1802, 2260, 2974
IMMUNOLOGIC DISEASES: 3811, 3935
IMMUNOLOGIC MEMORY: 3718
IMMUNOLOGIC TECHNICS: 457, 531, 2009, 3211, 3436
IMMUNOLOGY: 3178, 3957
IMMUNOSUPPRESSION: 531, 644, 675, 816, 834, 951, 1003, 1053, 1323, 2827, 2992, 3935, 4058, 4091
IMMUNOSUPPRESSIVE AGENTS: 218, 455, 531, 632, 763, 834, 948, 1316, 1417, 1436, 1542, 1610, 1822, 2181, 2600, 2769, 3125, 3186, 3312, 3468, 3555, 3613, 3679, 3935, 4015
IMMUNOTHERAPY: 1840, 3023, 3197, 3334-3335, 3606
IMPOTENCE: 302, 2522, 2682, 3519
IN VITRO: 12, 37, 45, 64, 77, 118, 125, 135, 141, 148, 158, 169, 181, 211, 215, 241, 256, 268, 342, 413, 428, 498, 505, 520, 533, 549, 561, 568, 571, 587-588, 619, 627, 646, 657, 679, 713, 718, 735, 745, 750, 753, 766, 789, 818, 853, 903, 953, 962, 964, 968, 970, 1014, 1016, 1028, 1041, 1054, 1105, 1115, 1128, 1149, 1156, 1197, 1230, 1262, 1276, 1349-1350, 1355-1356, 1381, 1387, 1403, 1435, 1454, 1470, 1500, 1535, 1556, 1596, 1624, 1633, 1636, 1857, 1702, 1715, 1733, 1759, 1764, 1791, 1796, 1821, 1850, 1857, 1859, 1895, 1910-1911, 1918, 1934, 1939, 1942, 1955-1956, 1970, 1983, 2042, 2060, 2062, 2088, 2105, 2121, 2143, 2150, 2163, 2177, 2186, 2210, 2247, 2296, 2300, 2313, 2324, 2329-2330, 2344, 2356, 2406, 2438, 2453, 2462, 2466, 2479, 2524, 2565, 2572, 2587, 2593, 2630-2632, 2655, 2666, 2681, 2701, 2755-2756, 2762, 2797, 2831, 2834, 2881, 2886, 2916, 2950, 2999, 3006, 3046, 3062, 3111, 3148, 3150, 3158, 3175, 3185, 3202, 3208, 3221-3222, 3255, 3305, 3315-3317, 3320, 3329, 3337-3338, 3351, 3360, 3383, 3388, 3393, 3403, 3411, 3415, 3419, 3455, 3480, 3493, 3511, 3541, 3561, 3581, 3591, 3621, 3626, 3640, 3664, 3667, 3671-3672, 3736, 3781, 3805-3806, 3834, 3843, 3901, 3907, 3911, 3972, 3986, 3993, 4003, 4048, 4052, 4078, 4080, 4125
INBREEDING: 65, 265, 2114
INCISOR: 1557
INCLUSION BODIES, VIRAL: 951, 1576, 1743, 1978, 2505, 3254, 3709
INCUBATORS: 3031
INDENES: 286, 2209, 4096
INDIA: 3003, 3017, 3201, 3228, 3291, 3828
INDIANS, SOUTH AMERICAN: 3870
INDICATORS AND REAGENTS: 136, 256, 435, 1671, 1885, 3020, 3148, 3444
INDIUM: 1552, 1628, 1739
INDOCYANINE GREEN: 4211

INDOLEACETIC ACID: 408, 637
INDOLES: 394, 511, 554, 698, 1172, 1730, 2040, 2161, 2544, 3196
INDOMETHACIN: 34-35, 64, 337, 498, 505, 523, 549, 830, 875, 830, 840, 1180, 1349, 1588, 1731, 1883, 2789, 2786, 3438, 3529, 3667
INDUSTRIAL MEDICINE: 85, 2542, 4029
INDUSTRIAL WASTE: 3777
INFANT: 58, 86, 235, 264, 323, 404, 455, 519, 545, 555, 570, 584, 665, 672, 685, 694, 700, 719, 727, 758, 820, 835, 852, 952, 1042, 1092, 1109, 1234, 1381, 1379, 1430, 1450, 1464, 1479, 1524, 1540, 1591, 1654, 1687, 1722, 1746, 1758, 1656, 1674, 1907, 1948, 2056, 2101, 2158, 2190, 2200, 2223, 2302, 2311, 2314, 2328, 2349, 2429, 2492, 2519, 2527-2526, 2561, 2582, 2620, 2679, 2698, 2706, 2719, 2775, 2783, 2846, 2906, 2946, 2973, 3003, 3007, 3021, 3023, 3128, 3176, 3205, 3250, 3313, 3489, 3575, 3587, 3600-3601, 3653, 3687, 3897, 3726, 3746, 3801, 3809, 3827, 3849, 3904, 3922, 4055, 4116, 4153, 4176
INFANT MORTALITY: 60, 1288, 1646
INFANT, NEWBORN: 59-60, 71, 105, 196, 235, 276, 310, 361, 372, 422, 455, 507, 519, 570, 590, 595, 618, 624, 665, 700, 719, 774, 620, 852, 918, 925, 935, 1022, 1076, 1092, 1201, 1234, 1275, 1286, 1294, 1297, 1361, 1423, 1495, 1523-1524, 1540, 1813, 1728, 1734, 1746, 1802, 1827, 1646, 1853, 1863, 1900, 1907, 1931, 2158, 2174, 2184, 2190, 2229, 2280, 2419, 2483, 2515, 2527-2528, 2582, 2824, 2879, 2685, 2747, 2758, 2783, 2804, 2858, 2875, 2904, 2948, 2970, 3003, 3052, 3068, 3073, 3063, 3126, 3268, 3301, 3376, 3477, 3489, 3502, 3523, 3525, 3816, 3648, 3854, 3682, 3687, 3706, 3725, 3726, 3801, 3867, 3904, 3915, 3982, 4037, 4047, 4105, 4118, 4153, 4159, 4169, 4176, 4198-4197, 4200
INFANT, NEWBORN, DISEASES: 310, 422, 925, 1272, 1495, 1802, 1653, 2638, 2970, 3052, 3073, 3268, 3477, 3525, 3687, 3706, 4198
INFANT NUTRITION: 2946
INFANT NUTRITION DISORDERS: 2906, 3728
INFANT, PREMATURE: 935, 1268, 2449
INFANT, PREMATURE, DISEASES: 2419
INFANTILISM: 206, 3867
INFARCTION: 507, 1874, 2215, 2556, 3177, 4015
INFECTION: 355, 1487, 2502, 2638, 3307, 3762
INFECTIOUS MONONUCLEOSIS: 602, 3990
INFLAMMATION: 1349, 1870, 1694, 2610, 2813, 3154, 3182, 3346, 3371, 3507, 3763
INFLUENZA: 2935
INFLUENZA VACCINE: 552
INFLUENZA VIRUSES: 2505
INFORMATION RETRIEVAL SYSTEMS: 417
INFRARED RAYS: 1710, 4041
INFUSIONS, PARENTERAL: 78, 430, 485, 694, 1141, 1279, 1667, 1734, 1656, 2162, 3061, 3134, 3855, 4210-4211
INGUINAL CANAL: 2107
INGUINAL HERNIA: 1674, 3072
INHIBITION (PSYCHOLOGY): 127, 1561, 2285, 3965
INHIBITION, NEURAL: 294, 1237, 1380, 1744, 1795, 1944, 2290, 3417, 3643
INJECTIONS: 40, 202, 287, 347, 668, 760, 777, 1267, 1296, 2468, 2673, 2868, 3061, 3238, 3309, 3862, 4136
INJECTIONS, INTRA-ARTERIAL: 107, 336, 636, 1285, 1416, 1416, 1574, 2645
INJECTIONS, INTRA-ARTICULAR: 106, 165, 221, 1687
INJECTIONS, INTRADERMAL: 466, 744, 3508, 3814
INJECTIONS, INTRAMUSCULAR: 13, 349, 546, 564, 688, 665, 938, 1035, 1251, 1459, 1631, 1763, 1844, 2122, 2220, 2256, 2316, 2660, 2740, 2856, 3039, 3486, 3516, 3728, 3971, 3989, 4032
INJECTIONS, INTRAPERITONEAL: 268, 401, 450, 541, 630, 658, 673, 699, 645, 1267, 1393, 1765, 2039, 2054, 2116, 2249, 2459, 2725, 2819, 2907, 3070, 3267, 3285, 3298, 3395, 3445, 3457, 3557, 3644, 3568, 3670, 3682, 3767, 3985, 4158
INJECTIONS, INTRATHECAL: 1405, 1776, 1966, 2122
INJECTIONS, INTRAVENOUS: 29, 40, 71-73, 117, 139, 189, 227, 229, 281, 287, 401, 411, 564, 656, 705, 768, 775, 791, 653, 865, 878, 884, 940, 982, 989, 1001, 1068, 1084, 1088-1089, 1109, 1153, 1212, 1340, 1347, 1416, 1416, 1510, 1547, 1553, 1589, 1628, 1661, 1756, 1616, 1843, 1693, 1928, 1986, 2000, 2079, 2089, 2091, 2095, 2122, 2373, 2386, 2413, 2420, 2446, 2450, 2575, 2627, 2634, 2702, 2851, 2888, 2898, 2901, 3087, 3143, 3171, 3192, 3232, 3289, 3309, 3333, 3413, 3457, 3478, 3505, 3508, 3514, 3564, 3598, 3609, 3815, 3634, 3638, 3775, 3795, 4032, 4040, 4042, 4058, 4088, 4166
INJECTIONS, JET: 10
INJECTIONS, SUBCUTANEOUS: 539-540, 572, 899, 705, 781, 1251, 1267, 1506, 1828, 1661, 1785, 1841, 2054, 2058, 2109, 2129, 2346, 2372, 2374, 2384, 2562, 2613, 2619, 3171, 3232, 3260, 3358, 3487, 3529, 3598, 3965, 4096, 4166
INOSINE: 3539
INOSITOL: 487, 3051
INSECT BITES AND STINGS: 3606
INSECT CONTROL: 1665
INSECT VIRUSES: 1797
INSECTICIDES: 4082
INSECTICIDES, ORGANOCHLORINE: 849, 3230
INSECTICIDES, ORGANOPHOSPHATE: 697
INSECTICIDES, ORGANOTHIOPHOSPHATE: 481
INSECTS: 50, 1169, 1237, 2162, 2345, 2801
INSEMINATION: 240, 1662
INSEMINATION, ARTIFICIAL: 54, 803, 1010, 1117, 1606, 2072, 2345, 3487
INSOMNIA: 1395, 2985
INSULIN: 76, 92, 96, 131, 179, 223, 320, 431, 452, 476, 511, 547, 586, 606, 656, 686, 700, 753, 779, 616, 635, 876, 958, 1042, 1079, 1115, 1208-1209, 1214, 1223-1225, 1227, 1270, 1276, 1318, 1352, 1455, 1462, 1467, 1497, 1509, 1554, 1561, 1569, 1898, 1705, 1758, 1770, 1773-1774, 1650, 1699, 2021, 2027, 2080, 2097, 2117, 2129, 2150, 2162, 2319, 2408, 2446, 2504, 2512, 2559-2560, 2614, 2619, 2878, 2898, 2775, 2760, 2769, 2810, 2896, 2918, 3013, 3062, 3089, 3171, 3176, 3206, 3212, 3221, 3230, 3234, 3268, 3291, 3305, 3421, 3471, 3475, 3517, 3521, 3532, 3550, 3603-3605, 3616, 3622, 3624, 3829, 3758, 3765, 3837, 3894, 3914, 3958, 3972, 4002, 4025, 4098, 4112, 4166
INSULIN ANTIBODIES: 2150, 4112
INSULIN, PROTAMINE ZINC: 2129, 2562
INSULIN RESISTANCE: 1467, 2775
INTELLIGENCE: 198, 936, 2038, 3719, 3922
INTELLIGENCE TESTS: 2763
INTENSIVE CARE UNITS: 310
INTERCELLULAR JUNCTIONS: 2217, 2652, 2774, 2921, 3608
INTERFERON: 1660, 3490
INTERFERON INDUCERS: 3490
INTERNAL MEDICINE: 2087
INTERNATIONAL COOPERATION: 284, 1485, 2663
INTERPERSONAL RELATIONS: 2429
INTERPROFESSIONAL RELATIONS: 417
INTERVERTEBRAL DISK: 2765
INTERVERTEBRAL DISK DISPLACEMENT: 1606
INTESTINAL ABSORPTION: 190, 328, 384, 556, 649, 676, 1037, 1119, 1145, 1149, 2011, 2145, 2319, 2408, 2533, 2727, 2729, 3421, 3457, 3543
INTESTINAL DISEASES: 58, 2215, 2556, 3081
INTESTINAL DISEASES, PARASITIC: 2282
INTESTINAL FISTULA: 632
INTESTINAL MUCOSA: 186, 309, 547, 556, 945, 964, 1039, 1080, 1149, 1188, 1427, 2012, 2095, 2408, 3403, 3425, 4144
INTESTINAL NEOPLASMS: 1007, 1065, 1489, 2910, 4163
INTESTINAL OBSTRUCTION: 355, 1279
INTESTINAL PERFORATION: 632, 2812
INTESTINAL POLYPS: 1065, 2260, 3294
INTESTINAL SECRETIONS: 4047
INTESTINE, LARGE: 2300
INTESTINE, SMALL: 769, 771, 881, 1007, 1076, 1080, 1149, 1232, 1279, 1768, 2011, 2031, 2042-2043, 2145, 2314, 2409, 2459, 2556, 2738, 2815, 3006, 3320, 3425, 3543, 3617, 4107, 4141, 4163
INTESTINES: 6, 19, 133, 545, 656, 849, 884, 925, 935, 964, 1011, 1114, 1149, 1153, 1642, 2039, 2133, 2145, 2215, 2319, 2408, 2637, 2774, 2876, 3173, 3410, 3467, 3557, 3564, 3936, 4047, 4204
INTRACRANIAL PRESSURE: 620, 2000, 2362, 3959
INTRAOCULAR PRESSURE: 231, 548, 1923, 1963, 2149, 3079, 3323, 3960
INTRAUTERINE DEVICES: 6, 16, 407, 419, 960, 1360, 1425, 1426, 1792, 1621, 2126, 2280, 2423, 2946, 3101, 3416, 3521, 3529, 3596, 4043
INTRINSIC FACTOR: 595, 2433, 3858
INTUBATION: 2000, 3205, 4195
INTUBATION, GASTROINTESTINAL: 1270, 1279
INTUBATION, INTRATRACHEAL: 264, 874, 1154, 1501, 1794, 1965
INULIN: 423, 512, 583, 714, 1098, 1141, 1265, 2192, 2501, 2824, 3480, 3509
INVERTEBRATE HORMONES: 2862, 3114
INVERTEBRATES: 1237, 2404
IODIDES: 251, 1463, 1732, 1790, 2272, 2894, 3366, 3419, 3824
IODINE: 38, 82, 97, 233, 250-251, 295, 300, 316, 502, 534, 540, 576, 596, 627, 742, 783, 850, 898, 972, 1011, 1036, 1081, 1092, 1193, 1213, 1221, 1245, 1306, 1594, 1740, 1773-1774, 1906, 1970, 2238, 2259, 2272, 2354, 2393, 2395, 2427, 2854, 2688, 2754, 3003, 3009, 3017, 3132, 3149, 3619, 3634, 3739, 3915, 3923, 3977, 4011, 4036, 4166, 4165
IODINE ISOTOPES: 14, 38, 40, 46, 56, 62, 69, 97-98, 121, 171, 207, 250, 320, 330, 346, 398, 425, 431, 434, 473, 532, 542, 571, 576, 624, 627, 707, 710, 742, 758, 779, 763, 639, 691, 920, 941, 1005, 1011-1012, 1036, 1063, 1165, 1183-1164, 1195, 1213-1214, 1224-1225, 1251, 1275, 1299, 1480, 1505, 1524, 1569, 1598, 1643, 1655, 1686, 1698-1699, 1706, 1755, 1782, 1795, 1678, 1881, 1906, 1946, 1970, 1989, 2081, 2150, 2225, 2269, 2344, 2346, 2379, 2395-2396, 2427, 2504, 2525, 2546, 2708, 2723, 2754, 2794, 2894, 2900, 3004, 3132, 3149, 3154, 3157, 3176, 3198, 3211, 3256, 3377, 3392, 3396, 3433, 3445, 3454, 3459, 3505, 3532, 3558-3559, 3566, 3739, 3775, 3816, 3835, 3869, 3879-3880, 3884, 3886, 3915, 3919, 3923, 3961, 3967, 4027, 4036, 4051, 4072, 4081, 4102, 4106, 4115, 4134, 4146, 4197
IODINE ISOTOPES, DIAGNOSTIC: 123, 184, 233, 251, 316, 460, 502, 535, 764, 933, 1193, 1278, 1321, 1347, 1361, 1476-1479, 1507, 1539, 1545, 1572, 1591, 1634-1635, 1742, 1755, 1615, 1841, 1881, 2003, 2131, 2259, 2311, 2354, 2393, 2399, 2496, 2581, 2880, 2924, 2936, 3009, 3017, 3026, 3129, 3356, 3361, 3366, 3461, 3466, 3528, 3634, 3641, 3675-3676, 3755, 4125, 4165, 4208
IODIZED OILS: 1572
IODOACETATES: 12, 750, 1054, 1158, 2293, 2356, 3090, 3977
IODOHIPPURIC ACID: 2824
IODOPROTEINS: 2524, 2840, 3149, 3445
IODOPYRACET: 2824
IODOTYROSINE: 295, 320, 502, 627, 941, 1213, 1970, 3559
ION EXCHANGE: 1655, 2462
ION EXCHANGE RESINS: 1429, 3528
IONS: 134, 2222, 2238, 2241
IONTOPHORESIS: 29, 494, 1600
IOPANOIC ACID: 3504
IOWA: 359, 638
IPRONIAZID: 2165, 2991, 3257, 3357
IPROVERATRIL: 1016
IRAN: 66, 3051, 4188
IRAQ: 2620
IRELAND: 567, 3488
IRIS: 735
IRITIS: 2839
IRON: 48, 134, 987, 1433, 1983, 2400, 2579-2580, 2625, 2774, 2815-2816, 3080, 4044, 4051
IRON CHELATES: 3680
IRON ISOTOPES: 1545, 1637, 2004, 2520, 2625, 2816, 4051, 4208
IRRIGATION: 1365, 2407, 2577, 2867, 2912
ISCHEMIA: 6, 704, 1120, 1300, 2223, 2732, 3617, 3632
ISCHIUM: 694, 1798
ISLANDS OF LANGERHANS: 452, 606, 656, 1206, 1209, 1462, 2150, 3221, 3291, 3622, 4002
ISLET CELL TUMOR: 1705, 3572
ISOANTIBODIES: 1236, 1948
ISOANTIGENS: 3197
ISOCARBOXAZID: 3244
ISOCITRATE DEHYDROGENASE: 635, 675-876, 2202, 3401, 3750
ISOELECTRIC FOCUSING: 443, 532, 1476-1477, 1702, 2143, 2225, 2480, 3377, 3594, 3880, 4074, 4083
ISOENZYMES: 309, 545, 553, 669, 743, 1049, 1392, 1760, 2177, 2655, 2738, 2761, 2874, 2897, 2902, 3063, 3716
ISOFLUROPHATE: 1165, 3820
ISOLEUCINE: 484, 1492, 2150, 2686-2687
ISOMERASES: 1244, 1787, 2143, 2463, 2632, 2635, 2845, 3363

ISOMERISM: 870, 941, 1158, 1872, 1905, 1945, 2050, 2179, 2837, 3338, 3558, 3958
ISONIAZID: 917, 2368, 2561, 3438, 4182
ISOPROTERENOL: 12, 77-78, 124, 147, 159, 405, 581, 851, 958, 973, 1220, 1262, 1338, 1370, 1492, 1824, 1952, 1981, 2254, 2301, 2387, 2371, 2427, 2458, 2551, 2803, 2824, 3114, 3208, 3335, 3807, 3884, 3761, 3843, 3955, 3991, 4079, 4092
ISOQUINOLINES: 1868
ISOTONIC SOLUTIONS: 183, 1141, 1621, 2313, 2803, 2801, 3762, 3953
ISOTOPE LABELING: 82, 74, 480, 534, 870, 1343, 2089, 2395, 2428, 2651, 2794, 2855, 3209, 3211, 3703
ISRAEL: 2942, 3021
ITALY: 685, 2419
JAMAICA: 419
JAPAN: 1808, 1907, 2483, 2592, 3830, 4102
JAUNDICE: 877, 799, 2124, 2749, 3224
JAUNDICE, CHRONIC IDIOPATHIC: 3272
JAUNDICE, NEONATAL: 2758, 3525
JAUNDICE, OBSTRUCTIVE: 3816
JAW: 3432
JAW DISEASES: 2591
JAW NEOPLASMS: 84
JEJUNUM: 6, 556, 635, 1658, 2011, 2125, 2408-2409, 3175, 3403, 3425, 3925, 4038
JOINT DISEASES: 108, 1177, 2342, 2800, 2757, 2884, 3102, 3319, 3354, 3820
JOINT PROSTHESIS: 1489, 1823, 2342, 2358, 2800
JOINTS: 3431
JUDAISM: 3937
JUGULAR VEIN: 1574, 3722
JURISPRUDENCE: 2128
JUVENILE DELINQUENCY: 2535
JUXTAGLOMERULAR APPARATUS: 3, 253, 583, 881, 687, 712, 899, 1957, 3115, 3193, 3831, 4192
KALLIKREIN-TRYPSIN INACTIVATOR: 1902, 2113, 2455
KANAMYCIN: 762
KANSAS: 2404
KAOLIN: 3054, 3808, 3968
KARYOMETRY: 2471, 3243
KARYOTYPING: 4, 138, 280, 315, 366, 372, 375, 387, 409, 424, 635, 754, 758, 820, 822, 638, 938, 1015, 1023, 1167, 1201, 1228, 1271, 1297, 1308, 1379, 1443, 1491, 1608, 1718, 1728, 1849, 1919, 1999, 2010, 2022, 2182, 2185, 2338, 2380-2361, 2385, 2440, 2487, 2535, 2582, 2878-2879, 2828, 3119, 3141, 3290, 3327, 3379, 3448, 3518, 3527, 3565, 3582, 3588, 3823, 3857, 3714, 4065, 4087, 4128, 4150, 4175, 4189
KELOID: 202, 650, 1748
KENYA: 338
KERATIN: 2053, 2077, 3543, 3885
KERATITIS: 331, 548, 2149
KERATITIS, DENDRITIC: 1802, 1880, 2839, 3801
KERATOCONJUNCTIVITIS: 957
KERATOCONUS: 548
KETAMINE: 241, 584, 838, 2258
KETO ACIDS: 3018
KETOGLUTARIC ACID: 1879, 3873
KETONE BODIES: 1409-1410, 1482, 1770, 3117
KETONE OXIDOREDUCTASES: 1387, 2310
KETONES: 304, 518, 838, 1212, 1501, 1871, 2201, 2854, 2961, 3071, 3308
17-KETOSTEROIDS: 65, 94, 101, 135, 181, 259, 263, 292, 389, 496, 551, 588-589, 635, 602, 815, 825, 880, 943, 963-984, 1152, 1196, 1244, 1259, 1304, 1385, 1469, 1582, 1905, 1914, 1958, 1987, 2010, 2191, 2202, 2266, 2338, 2391, 2479, 2631, 2680, 2767, 2902, 2986, 3034, 3043, 3185, 3349, 3442, 3519, 3547, 3585, 3589, 3821, 3737, 3939, 3949, 4029, 4034, 4049, 4100, 4154
KETOSTEROIDS: 181, 174, 241, 245-248, 259, 564, 731, 757, 983-984, 1198, 1216, 1244, 1302, 1372, 1680, 1760, 1905, 2108, 2202, 2316, 2428, 2463, 2480, 2542, 3014, 3264, 3483, 3579, 3821, 3858, 3880, 3737, 3998, 4123
KIDNEY: 3, 18, 35, 48, 52, 57, 110, 118-117, 130, 133, 154, 163, 173, 175, 167, 189, 201, 219, 229, 255, 287, 293, 307, 315, 423, 425, 428, 454, 493, 498-497, 512-513, 522, 534, 542, 563, 598, 611, 848, 661, 683, 688, 703, 755, 618, 830, 869, 884, 888-887, 893, 904, 913, 922, 924, 935, 945, 962, 979-980, 982, 986, 999, 1024, 1045-1046, 1053, 1098, 1125, 1145, 1153, 1170, 1174-1177, 1183, 1223, 1258, 1265, 1310, 1369, 1381, 1430, 1436, 1444, 1457, 1504, 1516-1517, 1527, 1588, 1828, 1853, 1681, 1714, 1731, 1791, 1614, 1630, 1881, 1906, 1908, 1910, 1918, 1929, 1946, 1951, 1961, 1989, 1995, 1997, 2039, 2043, 2045, 2052, 2091, 2095, 2123, 2159, 2216, 2237, 2247, 2267, 2273, 2284, 2310, 2334, 2344, 2358, 2400, 2449, 2472, 2478, 2482, 2493, 2499, 2506, 2518-2517, 2590, 2800, 2868, 2706, 2718, 2770, 2772, 2815, 2823, 2827, 2864, 2870, 2919, 2944, 2949, 2983, 2994, 2998, 3010, 3012-3013, 3055, 3111, 3115, 3125, 3127, 3173, 3193, 3196, 3289, 3282, 3286, 3309, 3312, 3479, 3490, 3500-3501, 3543, 3584, 3566, 3599, 3805, 3607-3608, 3610, 3617, 3633, 3684, 3720, 3745, 3749, 3760, 3797, 3843, 3857, 3889, 3884, 3886, 3904, 3936, 3945-3946, 3948, 4003, 4012, 4017, 4027, 4038, 4045, 4058, 4077, 4084, 4090, 4141, 4152
KIDNEY CALCULI: 219, 648, 978, 1046, 1813, 2241, 2335, 2786, 3072, 3303
KIDNEY CONCENTRATING ABILITY: 307, 1384, 2584
KIDNEY CORTEX: 52, 542, 649, 922, 1791, 2994, 3113, 3610
KIDNEY CORTEX NECROSIS: 2223
KIDNEY, CYSTIC: 1146
KIDNEY DISEASES: 1, 132, 253, 293, 428, 583, 872, 687, 981, 988, 1078, 1316, 1388, 1430, 1528, 1973, 2111, 2401, 2533, 2731, 3035, 3102, 3153, 3268, 3592, 3780, 3849, 4187
KIDNEY FAILURE, ACUTE: 175, 305, 430, 594, 1098, 1134, 1608, 1882, 1957, 1994, 2045, 2159, 2223, 4133, 4205
KIDNEY FAILURE, CHRONIC: 133, 150, 155-158, 224, 332, 386, 676, 826, 924, 949, 1130, 1166, 1808, 1813, 1830, 1957, 1983, 2048, 2507, 2817, 2945, 3159, 3289, 4012
KIDNEY FUNCTION TESTS: 175, 583, 661, 765, 1148, 1265, 1389, 1388, 1888, 2273, 3904, 3924, 4012, 4133
KIDNEY GLOMERULUS: 57, 497, 769, 3720, 3925
KIDNEY MEDULLA: 922, 1791, 1929, 2012, 2651, 2870, 2994
KIDNEY NEOPLASMS: 197, 501, 672, 711-712, 857, 1023, 1109, 1489, 2111, 2274, 2358, 2472, 3248, 3533, 3577, 3831, 3866, 3947, 4084
KIDNEY PELVIS: 501
KIDNEY, POLYCYSTIC: 224
KIDNEY, SPONGE: 3904
KIDNEY TUBULES: 175, 497, 849, 1141, 1384, 1387, 1957, 2139, 2517, 2870, 2994, 3509, 3749, 3827, 3904
KIDNEY TUBULES, DISTAL: 583, 3509, 4003
KIDNEY TUBULES, PROXIMAL: 1046, 1125, 1141, 1285, 2949, 3509, 4003
KINETICS: 3, 65, 121, 134, 153, 201, 251, 256, 308, 330, 343, 394, 470, 495, 534, 543, 587, 819, 886, 889, 739, 752, 755, 763, 783, 837, 964, 1048, 1064, 1069, 1150, 1158, 1173, 1200, 1222, 1244, 1252, 1306, 1313, 1322, 1326, 1343, 1419, 1466, 1470, 1474, 1503, 1594, 1624, 1636, 1646, 1898, 1702, 1791, 1828, 1832, 1857, 1936, 2014-2015, 2020-2021, 2132, 2166, 2214, 2288, 2291, 2395, 2399, 2438, 2452, 2463, 2469, 2479, 2482, 2499, 2585, 2895, 2805, 2807, 2902, 2950, 3033, 3060, 3075, 3080, 3089, 3096, 3114, 3128, 3137, 3163-3164, 3161, 3194, 3209, 3247-3248, 3271, 3283, 3317, 3324, 3403-3404, 3480, 3493, 3501, 3520, 3537, 3588, 3573, 3858, 3871, 3710, 3716, 3730, 3785, 3820, 3840, 3954-3955, 3998, 4035, 4052, 4074
KINETOCARDIOGRAPHY: 3151
KININS: 3371
KLEBSIELLA: 521
KLINEFELTER'S SYNDROME: 140, 234, 278, 931, 1152, 1852, 1999, 2009, 2038, 2535, 2582, 2856, 2876-2877, 3141, 3823, 3657, 3719, 4055
KNEE: 68, 105, 321, 1120, 3687
KNEE JOINT: 108, 185, 614, 2342, 2600
KRAUROSIS VULVAE: 494
KREBS CYCLE: 1233, 3969
KWASHIORKOR: 3088, 3758
KYNURENINE: 1987
KYPHOSIS: 2765, 3620, 3886
L CELLS: 597, 1850, 1837, 2137, 2286, 3745, 3850
LABOR: 31, 436, 471, 591, 790, 928, 994, 1022, 1275, 1523, 1666, 1734, 2057, 2306, 2597, 2799, 2873, 3029, 3174, 3484, 3751, 3933, 4037, 4129
LABOR COMPLICATIONS: 34, 630, 890, 1287, 2932, 3378, 3523, 3838, 3933
LABOR, INDUCED: 71, 196, 227, 471, 776, 990, 1058, 1275, 1583, 1843-1844, 1646, 1679, 2079, 2089, 2130, 2515, 2597, 2624, 2645, 2851, 3087, 3266, 3378, 3514, 3523, 3698, 3725, 3974, 4037
LABOR, PREMATURE: 60, 196, 630, 1691, 2280, 2880, 2918, 3087, 3659, 3933
LABOR PRESENTATION: 890, 2875
LABYRINTH DISEASES: 331
LACRIMAL APPARATUS: 945, 2836
LACTALBUMIN: 443, 1018, 2616, 2789, 3765, 3894
LACTATE DEHYDROGENASE: 44, 187, 238, 305, 553, 878, 968, 989, 1233, 1318, 1381, 1558, 2261, 2294, 2707, 2951, 3063, 3179, 3296, 3603, 3748
LACTATE DEHYDROGENASE ISOENZYMES: 525, 553, 743, 875, 1972, 2294, 2707, 3750
LACTATES: 44, 340, 1041, 1052, 1217, 1318, 1387, 1454, 1499, 1605, 1636, 1770, 2162, 2214, 2356, 2520, 2587, 3058, 3139, 3496, 3541, 3632, 3871, 3914
LACTATION: 93, 200, 204, 278, 288, 396, 420-421, 443, 482, 553, 647, 684, 748, 1070, 1106, 1115, 1130, 1340, 1514, 1541, 1563, 1577, 1602, 1779, 1880, 1949, 2012, 2035, 2114, 2125, 2226, 2251, 2257, 2276, 2304-2305, 2374, 2425, 2437, 2606, 2616, 2622, 2648, 2665, 2747, 2783, 2814, 2847, 2857, 2905, 2921, 2946, 3047-3048, 3100, 3142, 3180, 3238, 3298, 3372-3373, 3413, 3425, 3487, 3491, 3876, 3735, 3752, 3769, 3796, 3864, 3893, 4071, 4088, 4107, 4121
LACTATION DISORDERS: 302, 388, 624, 1108, 1130, 1208, 1386
LACTOGLOBULINS: 2293
LACTONES: 2108, 2969, 3458
LACTOSE: 521, 553, 2035, 2125, 3275
LACTOSE SYNTHETASE: 3894
LANGUAGE DISORDERS: 936
LANOSTEROL: 1216
LANTHANUM: 158, 662, 988, 1759, 2727, 2756, 4048
LAPAROSCOPY: 939, 1341, 2204, 4000
LAPAROTOMY: 874, 1104, 1859, 2795, 3169, 3257
LARVA: 176, 349, 631, 702, 1105, 1642, 2065, 2742, 2889, 2963, 3169, 3551, 3717, 3729, 4039
LARYNGEAL CARTILAGES: 475, 1922
LARYNGEAL EDEMA: 314, 1295, 3545
LARYNGEAL NEOPLASMS: 3790
LARYNGEAL NERVES: 144, 758, 2006
LARYNGECTOMY: 209, 905
LARYNGISMUS: 2246
LARYNGOSCOPY: 314
LARYNGOSTENOSIS: 1295, 2492
LARYNX: 564, 734, 1922, 2006, 3881
LATERALITY: 294, 1755, 2864, 3794, 3839
LATEX FIXATION TESTS: 1170, 1323, 2433, 3408
LATHYRISM: 3764, 4161
LAUGHTER: 3071
LAURENCE-MOON-BIEDL SYNDROME: 1705
LE CELLS: 1170, 3546
LEAD: 478, 4048, 4152
LEAD POISONING: 4152
LEARNING: 647, 1719-1720, 3287, 3839
LEARNING DISORDERS: 3839
LEBANON: 2419
LECITHINS: 1289, 1899, 2955
LEECHES: 2140
LEG: 105, 215, 372, 519, 1000, 1004, 1068, 1581, 2056, 2420, 2424, 3173, 3448, 3462, 3575
LEG DERMATOSES: 466
LEG INJURIES: 1365, 3462
LEGISLATION: 733
LEGISLATION, DRUG: 1529
LEGISLATION, MEDICAL: 3937
LEIOMYOMA: 1126, 1674, 2005, 2274
LEIOMYOSARCOMA: 622
LENS, CRYSTALLINE: 1168, 3284
LENTIGO: 2703
LEPROMIN: 715
LEPROSY: 468, 1772, 1883, 1985, 3040, 3408
LEPTOSPIRA: 913
LEPTOSPIRA CANICOLA: 913
LEPTOSPIRA ICTEROHAEMORRHAGIAE: 913
LEPTOSPIROSIS: 913
LESCH-NYHAN SYNDROME: 860, 1711, 3336, 4200
LETHAL DOSE 50: 1604, 1749, 3470
LEUCINE: 176, 515, 837, 1018, 1454, 1650, 1955, 2150, 2383, 2623, 2686-2687, 2833, 2853, 3132, 3221, 3268, 3275, 3318, 3331, 3622, 3680, 3694, 3769, 3834, 3852, 3900, 3907, 3926
LEUCINE AMINOPEPTIDASE: 2055
LEUKEMIA: 763, 1236, 1580, 1589, 1840, 1966, 2327, 3166, 3746, 3851, 4018

LEUKEMIA, EXPERIMENTAL: 562, 946, 956, 2161, 2297, 3010
LEUKEMIA L1210: 1740, 3793
LEUKEMIA, LYMPHOBLASTIC: 131, 763, 1155, 1468, 1662, 1966, 2641, 3023, 3216, 3746
LEUKEMIA, LYMPHOCYTIC: 160, 490, 1468, 2327, 2796, 2639
LEUKEMIA, MONOBLASTIC: 3746
LEUKEMIA, MONOCYTIC: 490
LEUKEMIA, MYELOBLASTIC: 490, 763, 2641, 2871, 3023, 3216, 3746
LEUKEMIA, MYELOCYTIC: 80, 763, 2327, 2483, 4163
LEUKEMIA, RADIATION-INDUCED: 2483
LEUKEMOGENIC VIRUSES: 2297
LEUKEMOID REACTION: 1662
LEUKOCYTE COUNT: 236, 490, 582, 746, 667, 1062, 1468, 1902, 2820, 2609, 3465, 3648, 4153
LEUKOCYTE CULTURE TEST, MIXED: 666, 3740
LEUKOCYTES: 26, 60, 69, 216, 309, 375, 405, 490, 522, 582, 603-604, 622, 1062, 1292, 1428, 1443, 1494, 1639, 2023, 2025, 2026-2029, 2170, 2296, 2327, 2356, 2360, 2433, 2562, 2622, 3229, 3796, 3925, 3966, 4015
LEUKOCYTOSIS: 1133
LEUKOPENIA: 1296, 2244
LEVALLORPHAN: 2676
LEVORPHANOL: 3336
LEYDIG CELL TUMOR: 525, 1306, 1469, 1636, 1747
LEYDIG CELLS: 366, 635, 1364, 1534, 1960, 2205, 2534, 2663, 2713, 3439, 3527, 3748-3749
LH: 96, 103, 142, 168, 163, 199, 207, 243, 248, 324, 326, 413, 416, 425, 434, 437, 441, 483-484, 546, 571, 579, 591, 603-604, 607, 699, 747, 751, 764, 786, 789, 795, 615, 626-629, 639, 665, 691, 901, 937-936, 992-993, 1052, 1066, 1132, 1164, 1162, 1206, 1227, 1263, 1293, 1310, 1332, 1343, 1359, 1366, 1366, 1394, 1407, 1454, 1524, 1574, 1603, 1612, 1627, 1651, 1663, 1690, 1693, 1726, 1764, 1775, 1762, 1600, 1623, 1626, 1634, 1648-1649, 1852, 1670, 1676, 1666, 1960, 2009, 2169, 2196, 2250, 2266, 2329-2330, 2339, 2379, 2442, 2444, 2469, 2569, 2599, 2634, 2639, 2694-2695, 2704, 2712, 2739, 2762, 2811, 2619, 2656, 2690-2691, 2907, 2926, 2991, 3044, 3054, 3206-3207, 3256, 3259, 3269, 3310, 3342, 3402, 3439, 3454, 3491, 3515, 3529, 3532, 3541, 3548, 3626-3627, 3696, 3727, 3647-3648, 3658, 3660, 3910, 3927, 3976, 3966-3969, 4004-4005, 4013, 4065, 4069, 4066, 4069, 4097, 4130
LIBIDO: 465, 749, 1664, 2605, 3039, 3449, 3920
LICHEN PLANUS: 379, 743, 944, 975, 1581, 3281, 3462
LIDOCAINE: 651, 3067, 3360, 3386, 3462, 3705, 3916
LIGAMENTS: 2459, 2765, 3376
LIGANDS: 1435, 1476, 3563
LIGASES: 176, 2341, 3045, 3271
LIGATION: 27, 66, 776, 1500, 1767, 1769, 2113, 2339, 2906, 3753, 3861, 3869
LIGHT: 120, 166, 295, 322, 354, 596, 658, 962, 1127, 1131, 1136, 1270, 1525, 1555, 1603, 1664, 2758, 3525, 3552, 3619, 3903
LIGHTING: 1555
LIMBIC SYSTEM: 32, 709, 1095, 1593, 1707, 1664, 1669, 2059, 2090, 2265, 2394, 2674, 2802, 3071, 3513, 3916
LINKAGE (GENETICS): 112, 451, 696, 1903, 2161, 2190, 2996, 3979
LINOLEIC ACID: 557
LIP DISEASES: 3281
LIP NEOPLASMS: 1330
LIPASE: 69, 76, 524, 1161, 1734, 2137, 2314, 3339, 3391, 3682, 3765
LIPID METABOLISM, INBORN ERRORS: 1382, 2719, 3925
LIPID MOBILIZATION: 125, 1041, 1161, 1694, 2891, 3024
LIPIDS: 16, 52, 101, 209, 212, 301, 480, 524, 527, 553, 779, 796, 601, 817, 631, 640, 672, 697, 969, 1054, 1063, 1091, 1115, 1161, 1202, 1262, 1310, 1332, 1337, 1407-1406, 1424, 1455, 1467, 1509, 1648, 1701, 1729, 1734, 1762, 1770, 1607, 1628, 1650, 1656, 1699, 1921, 1968, 2012, 2021, 2129, 2137, 2145, 2179, 2243, 2314, 2326, 2341, 2420, 2438, 2658, 2700, 2717, 2754, 2768, 2810, 2920, 2941, 3024, 3117, 3171, 3209, 3251, 3282, 3305, 3389, 3411, 3447, 3456, 3521, 3594-3595, 3666, 3677, 3689, 4022, 4096
LIPOAMIDE DEHYDROGENASE: 23, 167, 3097, 3673
LIPOCHONDRODYSTROPHY: 1107, 2757, 3562
LIPODYSTROPHY: 208, 2775, 3517
LIPOIDOSIS: 2314
LIPOPROTEIN LIPASE: 1699, 2401
LIPOPROTEINS: 101, 172, 212, 969, 1407, 1467, 1704, 1727, 1729, 1762, 1699, 1914, 3033, 3386, 3968
LIPOPROTEINS, HDL: 1727, 2033
LIPOPROTEINS, LDL: 448, 2033
LIPOSOMES: 2659
LISTERIA INFECTIONS: 453, 1272, 2970
LISTERIA MONOCYTOGENES: 453, 1272
LITERATURE, MODERN: 2481
LITHIUM: 169, 427, 465, 766, 1040, 1740, 1790, 3004, 3329
LIVER: 16, 23, 48, 74, 116-117, 170, 173, 175-176, 162, 201, 226, 256, 309, 330, 343, 356, 394, 397, 425, 437, 445, 453, 481, 506, 533, 543, 545, 561, 567, 596, 611, 621, 626-627, 645, 649, 656, 669, 677, 679, 683, 706, 746, 755, 769, 771, 761, 763, 794, 799, 602, 645, 649, 671, 664, 935, 945, 962, 999, 1011, 1016-1020, 1024, 1033, 1045, 1049, 1072, 1090, 1137, 1145, 1153, 1179, 1163, 1191, 1194, 1202, 1207, 1229, 1248, 1270, 1277, 1299, 1301-1302, 1316, 1320, 1345, 1434, 1437, 1445, 1472, 1484, 1486, 1496, 1504, 1517-1516, 1527, 1554, 1575, 1597, 1628, 1653, 1679, 1681, 1691, 1714, 1762, 1817, 1665, 1910, 1940, 1946, 1955, 1961, 1968, 1979, 1963, 1991, 1995, 2019-2020, 2033, 2039, 2043, 2052, 2073, 2099, 2124, 2201, 2220, 2266, 2283-2284, 2294, 2297, 2310, 2314, 2341, 2344, 2399-2400, 2453, 2459, 2496, 2501, 2506, 2554, 2560, 2573, 2577, 2586-2587, 2590, 2637, 2660, 2666, 2687, 2706, 2719, 2758, 2760, 2795, 2796, 2602, 2615, 2837, 2867-2866, 2902, 2944, 2970, 2974, 2994, 3002, 3010, 3013, 3058, 3070, 3111, 3117, 3127, 3143, 3153, 3161, 3169, 3196, 3212, 3222, 3242-3245, 3267, 3271-3272, 3262, 3329, 3339, 3409, 3415, 3438, 3455, 3496, 3501, 3516, 3524, 3543, 3555, 3564, 3566, 3581, 3604-3605, 3608, 3671-3672, 3684, 3716, 3735, 3760, 3766, 3791, 3825, 3866, 3864, 3900, 3934, 3936, 3945, 3996, 4007, 4015, 4027, 4047, 4074, 4062-4083, 4113, 4141, 4152, 4205
LIVER CIRCULATION: 1596, 3608
LIVER CIRRHOSIS: 175, 216, 339, 408, 490, 1194, 1971, 1998, 2205, 2216, 2500, 2507, 2761, 3153, 4015
LIVER DISEASES: 175, 305, 339, 373, 410, 956, 967, 1091, 1449, 1543, 1776, 1617, 1886, 1979, 2111, 2216, 2315, 2586, 2926, 3433, 3592, 3648, 3612, 3935, 4194
LIVER FUNCTION TESTS: 73, 164, 343, 623, 677, 942, 1090, 1310, 2160, 2261, 2316, 2500, 2637, 3166, 3272
LIVER GLYCOGEN: 44, 1694, 1968, 1979, 2573, 2760, 3569, 3766, 3871
LIVER NEOPLASMS: 155, 305, 669, 942, 987, 1049, 1109, 1461, 2111, 2266, 2483, 2567, 2573, 2750, 2874, 2910, 3010, 3089, 3130, 3409, 3426, 3524, 3533, 3757, 3811, 4015, 4173
LIVER REGENERATION: 623, 669, 1049, 1085, 3741
LIZARDS: 423, 641, 1242, 1766, 2169, 3031, 3923, 4108
LOBSTERS: 636, 1701
LOCOMOTION: 47, 151, 1511, 3580, 3637
LOEFFLER'S SYNDROME: 160
LONG-ACTING THYROID STIMULATOR: 1566, 2225, 2427, 2523, 2924, 3400, 3967
LONG TERM CARE: 1335, 2625, 2861, 4133, 4195
LONGEVITY: 567, 1673, 2689
LOOP OF HENLE: 583, 4003
LORDOSIS: 2196, 2765
LOUISIANA: 93
LUBRICATION: 3216
LUMBAR VERTEBRAE: 126, 377, 403, 1365, 2359, 2741, 3731
LUMBOSACRAL PLEXUS: 744
LUMBOSACRAL REGION: 1000, 2107, 2229, 4164
LUMINESCENCE: 3576
LUNG: 110, 160, 228, 280, 355, 410, 453, 598, 620, 706, 769, 771, 627, 904, 935, 999, 1229, 1289, 1438, 1588, 1653, 1681, 1946, 1995, 2039, 2043, 2045, 2101, 2270-2271, 2310, 2314, 2332, 2482, 2506, 2577, 2706, 2746, 2823, 2887-2888, 2911, 2948, 3086, 3127, 3139, 3188, 3196, 3476, 3501, 3564, 3608, 3658, 3946, 3955, 4091, 4153
LUNG COMPLIANCE: 260, 921
LUNG DISEASES: 373, 410, 430, 620, 666, 1527, 1662, 2405, 2509, 2911-2912, 3102, 3435, 3470, 3946, 4179
LUNG DISEASES, OBSTRUCTIVE: 1057, 1867, 2270
LUNG NEOPLASMS: 64, 197, 469, 476, 627, 1469, 1755-1756, 2338, 2483, 2567, 2655, 2662, 2667, 2910, 3072, 3213, 3536, 3790, 3811, 3940, 4206
LUPUS ERYTHEMATOSUS, DISCOID: 1296
LUPUS ERYTHEMATOSUS, SYSTEMIC: 345, 675, 708, 917, 1133, 1170, 1296, 1608, 1663, 2087, 2343, 2405, 2519, 2967, 3102, 3546, 3592, 3613, 3935, 4026, 4167
LYASES: 176, 308, 2099, 2341
LYMPH: 163, 661, 960, 1325, 2266
LYMPH NODE EXCISION: 290, 359, 1667, 2765, 2648
LYMPH NODES: 43, 60, 145-146, 160, 170, 197, 352, 410, 517, 715, 672, 999, 1023, 1039, 1263, 1383, 1438, 1472, 2297, 2314, 2795, 2992, 3136, 3196, 3277, 3374, 3742, 3836, 4010, 4163, 4205
LYMPHADENITIS: 672
LYMPHANGITIS: 3322
LYMPHATIC DISEASES: 252, 1325, 2199
LYMPHATIC METASTASIS: 93, 252, 344, 906, 991, 1325, 1438, 1756, 2107, 2297, 2765, 2929, 3107-3108, 3213, 3416, 3811, 4010
LYMPHATIC SYSTEM: 58, 1325
LYMPHEDEMA: 965, 3416
LYMPHOCYTE DEPLETION: 145, 1536
LYMPHOCYTE TRANSFORMATION: 517, 531, 602, 686, 656, 668, 1069, 1323, 1468, 2216, 2450, 2627, 3064, 3196, 3841, 4056
LYMPHOCYTES: 60, 98, 164, 346, 367, 492, 517, 554, 569, 582, 602, 746, 634, 655, 946, 952, 972, 1039, 1069, 1143, 1214, 1383, 1400, 1536, 1546, 1637, 1649, 2336, 2342, 2421, 2433, 2670, 2609, 2626, 3049, 3064, 3141, 3277, 3290, 3446, 3526, 3573, 3668, 3686, 3740, 3797, 3965, 4001
B-LYMPHOCYTES: 164, 531, 952, 2992, 3157, 3286

T

T-LYMPHOCYTES: 112, 146-147, 164, 352, 517, 531, 1039, 1069, 1490, 1551, 2102, 2219, 2974, 3157, 3266, 3742, 3793, 3970, 4001
LYMPHOCYTOSIS: 1996, 2510
LYMPHOGRAPHY: 60, 252, 344, 550, 672, 991, 2269, 2686, 2795, 2929, 3107-3108, 3302, 3416, 4010, 4116
LYMPHOID TISSUE: 1536
LYMPHOMA: 550, 610, 1104, 1263, 1546, 1743, 2343, 2773, 3166, 3573, 3595
LYMPHOMA, GIANT FOLLICULAR: 763
LYMPHOSARCOMA: 160, 550, 597, 763, 1023, 1139, 2297, 2912, 3166, 3574, 3793
LYNESTRENOL: 799, 1433, 2415, 2928, 2946, 3145, 3422, 3770, 4030, 4131
LYSERGIC ACID DIETHYLAMIDE: 29, 192, 554, 953, 1067, 2904, 3637
LYSINE: 484, 649, 1020, 1611, 1955, 2069, 2651, 2686, 3337, 3684, 3764, 3977
LYSOGENY: 3116
LYSOLECITHIN: 617
LYSOSOMES: 271, 480, 686, 702, 992, 1033, 1202, 1301, 1345, 1401, 1592, 1616, 2113, 2226, 2253, 2314, 2342, 2610, 2732, 2817, 2908, 2941, 2944, 3097, 3161, 3164, 3409, 3559, 3647, 3802, 3604, 3911
MACACA: 47, 107, 129, 242, 523, 603-604, 680, 732, 662, 939, 1025, 1035, 1336, 1596, 1610, 1646, 1664, 1915, 1917, 2023, 2122, 2274, 2276-2277, 2290, 2386, 2460, 2869, 3091, 3134, 3173, 3165, 3260, 3358, 3538, 3560, 3735, 3826, 3696, 4000, 4013, 4035, 4114, 4152
MACROMOLECULAR SYSTEMS: 556, 597, 657, 755, 1019, 1200, 1332, 1348, 1559, 1727, 1809, 2247, 2387, 2444, 2574, 2902, 3026, 3276, 3769, 3820, 3977
MACROPHAGES: 492, 569, 972, 1400, 1610, 2944, 3049, 3122, 3490, 3559, 3753, 3984-3965
MACROSTOMIA: 3068
MADUROMYCOSIS: 2431
MAGNESIUM: 169, 267, 381, 476, 506, 521, 532, 662, 693, 766-767, 671, 662, 910, 966, 1046, 1081, 1102, 1125, 1127, 1168, 1214, 1433, 1442, 1551, 1565, 1643, 1701, 1714, 1791, 1607, 1632, 1927, 1933, 1942, 1972, 2011, 2063, 2069, 2091, 2139, 2166, 2224, 2268, 2495, 2519, 2565, 2592-2593,

2646, 2727, 2774, 2999, 3046, 3057, 3163, 3320, 3392, 3442, 3648, 3710, 3762, 3765, 3933, 3955, 4048, 4063, 4135
MAGNESIUM DEFICIENCY: 1565, 1714, 2091, 3304, 3648
MAGNETICS: 1147
MALABSORPTION SYNDROMES: 290, 305, 907, 932, 1037, 1565, 3061
MALAGASY REPUBLIC: 2863
MALARIA: 675, 728
MALATE DEHYDROGENASE: 553, 2886, 3006, 3063, 3179, 3248, 3603
MALATES: 1462, 2214, 3248
MALAYSIA: 2742, 3003
MALE: 3-4, 9, 11-12, 14-15, 22-23, 25, 29, 32-33, 35-36, 42-44, 46-48, 56-58, 60, 64, 66, 74, 80, 83-84, 87, 89, 98-103, 106, 109, 111-112, 123, 132, 140, 143, 146-150, 160, 163, 174, 184, 186, 188, 191, 194-195, 198-200, 206-207, 210, 213, 217-216, 220, 222, 226, 229, 234-236, 238, 240, 242-243, 247-248, 250, 252, 255-258, 260-262, 265-266, 275-276, 279, 281, 283, 287-286, 292-295, 297-299, 302, 313-315, 316, 321, 323-324, 331, 333-334, 338-340, 343-345, 347-348, 354, 356, 358-359, 361, 364-366, 368, 370, 372-373, 377-376, 381, 386-387, 389, 394, 401-404, 407-411, 413, 415-416, 424, 435, 441, 445, 447, 449-451, 454, 459, 461, 468-470, 472, 475, 479, 483, 489-490, 495-497, 501-502, 505, 506, 515, 519, 522, 524-525, 528-529, 538, 546, 552, 555-556, 558, 560, 567-571, 574, 581-584, 586, 593-595, 599, 601-602, 606-607, 611, 616, 616, 620-621, 627-628, 634-635, 638-639, 641, 643, 645-648, 650, 658, 661, 665-670, 672-674, 676, 676-680, 689, 696-701, 704-705, 708, 711-712, 715, 717, 720, 723, 725-727, 733, 736, 739, 744-747, 749, 754, 756, 758-760, 769-770, 773, 780, 782-783, 785, 792-793, 797, 800, 803-805, 808-809, 611, 614-816, 622, 625, 628-830, 634, 638-639, 641, 652, 657-658, 660, 666-868, 673, 675, 676, 880-882, 884, 667, 691-893, 697, 902, 909-910, 912, 916, 922, 924, 929, 931, 935-936, 938-942, 944-945, 947, 950, 952, 954, 957, 959, 965, 968, 971-972, 976-979, 982-986, 986-989, 991-992, 997, 999-1000, 1004-1005, 1006-1009, 1011, 1013, 1015, 1017-1016, 1021, 1023-1025, 1029, 1032-1033, 1035, 1037, 1042-1043, 1046-1047, 1053, 1059-1060, 1065, 1068, 1073, 1079-1080, 1083, 1091, 1096, 1098-1099, 1101-1103, 1106, 1109, 1116-1116, 1125, 1130, 1136, 1138, 1142, 1144, 1148-1149, 1152-1153, 1155, 1168-1169, 1172-1176, 1176, 1180-1181, 1183-1184, 1190, 1194, 1196-1197, 1199-1201, 1206-1207, 1211, 1215, 1220, 1225, 1232-1235, 1238-1239, 1248, 1251, 1255, 1257, 1259, 1261, 1268-1270, 1276-1277, 1280, 1290, 1293, 1299, 1301, 1304-1306, 1306
1309-1310, 1319-1320, 1327, 1329-1330, 1332, 1335-1339, 1342, 1346-1347, 1350, 1353-1354, 1356, 1359, 1363-1367, 1369, 1376, 1379, 1382, 1384, 1386, 1386, 1392-1393, 1396-1397, 1404-1406, 1410, 1417, 1419, 1425, 1435-1436, 1438, 1441-1443, 1445-1448, 1453, 1456, 1460, 1462, 1464-1466, 1468, 1472, 1474, 1476-1477, 1479-1480, 1482, 1484, 1488, 1495, 1503, 1506, 1508-1509, 1516-1517, 1522-1524, 1526, 1528, 1533-1535, 1538, 1542, 1544, 1548-1549, 1554, 1560, 1564, 1566, 1568-1569, 1572, 1575, 1576-1580, 1584, 1586, 1588, 1592-1593, 1595-1599, 1601, 1603-1606, 1606, 1611, 1614-1616, 1616-1620, 1630, 1633, 1636, 1639, 1644-1645, 1647, 1652, 1658, 1661, 1668, 1677, 1680, 1682, 1687, 1691-1692, 1694, 1698, 1700, 1705, 1710-1711, 1713-1716, 1723, 1726, 1728-1729, 1735, 1738, 1742, 1747, 1749, 1755-1756, 1758, 1762, 1767, 1770-1774, 1776, 1763, 1765, 1767, 1769-1790, 1794, 1796-1797, 1608-1609, 1614, 1617-1620, 1623, 1625, 1630, 1635, 1638, 1640-1642, 1649-1652, 1654-1656, 1661-1662, 1665, 1667, 1674-1675, 1881, 1886-1690, 1693-1694, 1696-1901, 1903-1904, 1907-1906, 1912-1913, 1921-1922, 1924-1926, 1929-1930, 1936, 1938, 1940-1941, 1948, 1951-1952, 1957, 1960-1961, 1964, 1969-1973, 1977, 1979-1980, 1991, 1994-1997, 1999, 2002, 2004, 2007-2011, 2014-2016, 2020, 2022-2023, 2025-2027, 2030, 2033-2034, 2036, 2038-2039, 2041-2042, 2048, 2051, 2054, 2056-2057, 2060-2061, 2065, 2067, 2070-2072, 2075, 2078, 2080-2082, 2085, 2090, 2093, 2104, 2107, 2112-2113, 2116-2117, 2121, 2133, 2136, 2139, 2142, 2146, 2148-2149, 2155, 2158-2160, 2162-2163, 2166-2169, 2176, 2184-2165, 2187, 2190-2193, 2195-2196, 2199-2201, 2211-2212, 2221, 2227, 2229, 2231-2232, 2241, 2243-2244, 2250-2251, 2256, 2258, 2265-2266, 2270, 2274, 2277, 2284-2285, 2290, 2294, 2299, 2301-2303, 2307, 2309, 2311-2316, 2319-2326, 2328-2331, 2334-2336, 2338, 2340-2341, 2345, 2347, 2349-2350, 2354-2355, 2357-2361, 2364, 2368-2370, 2375-2376, 2382, 2384, 2386, 2390, 2392, 2396-2399, 2402
2407, 2409, 2413-2414, 2416-2417, 2421-2422, 2425-2426, 2428-2431, 2435, 2440, 2442, 2445, 2449-2450, 2455-2459, 2461, 2464, 2471, 2476, 2483, 2487-2488, 2490-2494, 2497-2498, 2506, 2508, 2511-2512, 2517-2516, 2520, 2522-2523, 2525, 2527-2532, 2534-2536, 2541, 2549, 2558-2562, 2565-2568, 2571, 2581-2582, 2584, 2596, 2598, 2600, 2604-2605, 2607-2610, 2619-2620, 2625-2627, 2631-2632, 2636-2637, 2640-2642, 2649-2650, 2656-2658, 2660, 2665, 2668-2670, 2675-2683, 2690-2691, 2693, 2696, 2699, 2702-2703, 2705-2707, 2710, 2713, 2717-2719, 2722, 2724, 2726, 2728, 2730, 2733, 2736-2738, 2743, 2750-2751, 2754, 2762, 2765, 2767, 2770, 2773-2775, 2779-2762, 2786, 2788, 2790, 2792, 2796, 2800-2802, 2804, 2806, 2808, 2810, 2813, 2817, 2621, 2823, 2829, 2831, 2836, 2839, 2842-2844, 2846, 2849, 2856, 2858-2859, 2862-2864, 2866-2867, 2869-2871, 2874, 2879, 2882, 2885, 2892-2893, 2895, 2898-2899, 2901, 2908-2910, 2912, 2916, 2919, 2930, 2935-2939, 2941, 2945, 2947, 2955-2958, 2963-2964, 2967, 2970-2973, 2976-2977, 2981-2984, 2989-2990, 2994-2995, 2997-2998, 3000-3001, 3003-3004, 3008-3009, 3014, 3017, 3019, 3027, 3030, 3034, 3039, 3046, 3049, 3051, 3054-3055, 3057-3059, 3065-3066, 3068-3070, 3074, 3076-3077, 3091, 3093, 3095, 3098, 3102, 3105, 3107-3109, 3113, 3115, 3117, 3119-3121, 3125-3129, 3131, 3133-3134, 3139, 3141-3142, 3146, 3151, 3154, 3156, 3162, 3170, 3176, 3179, 3182, 3185-3188, 3190-3194, 3196-3197, 3199, 3201, 3203-3207, 3212-3213, 3220, 3222, 3232-3235, 3241-3242, 3245-3246, 3248, 3250-3251, 3253, 3256-3257, 3264-3265, 3267-3269, 3274, 3276, 3281-3282, 3284-3285, 3287-3288, 3290, 3294-3296, 3298-3300, 3303, 3306, 3309, 3312-3317, 3319, 3321, 3323-3324, 3326-3328, 3340, 3343, 3345, 3347, 3349-3350, 3352, 3355-3356, 3362, 3368-3370, 3374, 3376, 3379-3380, 3384, 3392, 3399, 3401, 3403, 3406-3407, 3412, 3414, 3416-3417, 3424-3425, 3427, 3431-3433, 3438-3441, 3446, 3449, 3452, 3454, 3459-3463, 3465-3466, 3471, 3485, 3489, 3494, 3497 3498, 3504-3505, 3509-3511, 3517, 3519, 3524, 3526-3527, 3533, 3535-3536, 3540, 3542, 3544, 3546, 3548, 3550-3551, 3553, 3563-3565, 3567, 3570-3571, 3576-3577, 3579-3580, 3582-3583, 3598, 3601-3605, 3611, 3616-3616, 3620-3621, 3623, 3625-3626, 3628-3629, 3632, 3637, 3641-3645, 3652, 3657, 3662-3667, 3670-3672, 3677, 3684, 3686-3688, 3691, 3697, 3699, 3706-3707, 3719, 3723-3724, 3726-3727, 3732, 3734-3735, 3737-3738, 3740, 3743, 3746, 3748-3750, 3753, 3757-3758, 3763, 3767, 3773, 3779-3781, 3785, 3790-3791, 3794, 3800-3802, 3805-3806, 3812, 3814, 3819, 3822-3824, 3831, 3839-3840, 3842-3843, 3849, 3851, 3854-3855, 3857, 3859, 3866-3867, 3869-3876, 3882, 3886-3888, 3891-3892, 3896-3897, 3904-3905, 3909-3910, 3913-3914, 3916, 3919-3920, 3922, 3924-3925, 3929-3930, 3938, 3942-3945, 3948-3950, 3953-3955, 3957, 3959, 3964, 3966, 3975, 3979, 3982-3983, 3992, 3994, 4001-4002, 4004-4005, 4008, 4016, 4019-4022, 4024, 4027-4030, 4035, 4040, 4042, 4044, 4052, 4054-4058, 4062, 4067, 4074, 4076-4076, 4084, 4087, 4090-4091, 4094, 4099, 4103, 4105, 4109-4113, 4116-4116, 4121-4122, 4124-4127, 4130, 4133, 4141, 4143-4144, 4150, 4153, 4156, 4158, 4161, 4172-4176, 4178-4179, 4183, 4186, 4188-4189, 4196, 4198, 4205-4206, 4209
MALEATES: 1158, 4095
MALIGNANT CARCINOID SYNDROME: 1585
MALIGNANT HYPERTHERMIA: 2865, 4168
MALOCCLUSION: 1249, 3167
MALONATES: 750, 2434, 2934
MAMMAE: 302, 406, 479, 553, 748, 1115, 1779, 1915, 2035, 2287, 2425, 2769, 2921, 2976, 3010, 3048, 3140, 3180, 3678, 3735, 3752, 3765, 3796, 3894
MAMMALS: 1359, 1407, 2101, 3271
MAMMARY CANCER VIRUS: 1576, 4036
MAMMARY NEOPLASMS, EXPERIMENTAL: 562, 1383, 1400-1401, 1576, 1721, 1915, 2134, 2288, 2425, 2615, 2867, 3010, 3170, 3225, 3453, 3734, 3850
MAMMILLARY BODIES: 1050, 2275
MANDELIC ACID: 1515, 2040
MANDIBLE: 126, 4114
MANDIBULAR CONDYLE: 1249, 3432
MANDIBULAR NEOPLASMS: 327, 605
MANGANESE: 549, 662, 910, 1099, 1956, 2224, 2565, 2727, 2774, 3561, 4048, 4084
MANNITOL: 979, 2722
MANNOSE: 2525
MANOMETRY: 241, 3360
MARGARINE: 4141
MARINE BIOLOGY: 600
MARRIAGE: 419, 1754, 2529, 2830, 3747
MARSUPIALIA: 464, 560, 1530, 2392, 3063, 4071
MARYLAND: 3239
MASS SCREENING: 3488, 3600, 3947
MASS SPECTRUM ANALYSIS: 137, 161, 297, 984, 1156, 1222, 1234, 1322, 1457, 1516, 1730, 1767, 2197, 2202, 2466-2467, 2623, 3223, 3349, 3444, 3457, 3661, 3685, 3939, 3957, 4011
MAST CELLS: 170, 492, 2195, 2219, 2343, 2610, 3064-3065, 4106
MASTECTOMY: 93, 912, 1612, 2763
MASTITIS, BOVINE: 2847
MATERNAL AGE: 361
MATERNAL BEHAVIOR: 420-421, 436, 1025, 1949, 2114, 2142, 3100, 3142
MATERNAL DEPRIVATION: 2232, 3142
MATERNAL-FETAL EXCHANGE: 200, 310, 397, 420-421, 481, 488, 516, 544, 647, 649, 807, 845, 946, 1022, 1203, 1358, 1391, 1498, 1613, 1691, 1750, 1761, 1858, 1910, 1949, 2055, 2114, 2164, 2174, 2432, 2437, 2508, 2597, 2747, 2799, 3061, 3096, 3100, 3122, 3176, 3236, 3244, 3349, 3382, 3480, 3788, 3798, 4051, 4107, 4121
MATERNAL MORTALITY: 1295
MATHEMATICS: 33, 79, 128, 267, 322, 530, 561, 654, 662, 739, 787, 832, 896, 1048, 1112, 1293, 1474, 1477, 1549, 1739, 1916, 2017, 2088, 2793, 2887, 3028, 3139, 3161, 3194, 3204, 3271, 3475, 3619, 3773, 3998, 4060, 4176
MAXILLOFACIAL DEVELOPMENT: 1249
MAXILLOFACIAL INJURIES: 1623
MEASLES VACCINE: 552
MEAT: 631, 635
MECAMYLAMINE: 2301
MECHANORECEPTORS: 1237, 3374
MECHLORETHAMINE: 537, 550, 566, 1104, 1139-1140, 1171, 1199, 1325, 2107, 2138, 2245, 2697, 2809, 2981, 3162, 3165-3166
MECONIUM: 3725
MEDIAN NERVE: 1965, 2176
MEDIASTINAL DISEASES: 43, 2659, 3790
MEDIASTINAL NEOPLASMS: 1325, 1723, 1747, 1756, 2659, 3066, 3535, 3726, 3790, 3811
MEDIASTINUM: 43, 3790
MEDICAL HISTORY TAKING: 58, 3762
MEDICAL RECORDS: 417, 3443
MEDICATION ERRORS: 477, 2302, 3102
MEDICINE, HINDU: 3291
MEDICINE IN LITERATURE: 2481
MEDROXYPROGESTERONE: 168, 448, 666, 1031, 1631, 2194, 2317, 3145, 3246, 3297, 3928
MEDULLA OBLONGATA: 335, 752, 910, 1219, 1382, 1405, 2505, 2641, 2852, 3135, 3338, 3414, 3499, 3869, 4088, 4151
MEDULLOBLASTOMA: 2730
MEFENAMIC ACID: 3667
MEGAKARYOCYTES: 4106
MEGESTROL: 2194, 2694, 2828, 2952
MEIGS' SYNDROME: 1126, 3341
MEIOSIS: 622, 1015, 1362, 1733, 2162, 2355, 3276, 3446, 3526, 3565, 4158
MELANIN: 7, 102, 379, 951, 1241, 2141, 2144, 3409, 3686, 3982
MELANOCYTES: 379, 2144, 2703, 3409
MELANOMA: 492, 551, 951, 1240, 1489, 1540, 2141, 2298, 3409
MELATONIN: 148, 354, 500, 801-802, 1138, 1241, 1298, 1440, 1987, 2144, 2980, 3370, 3819
MELENGESTROL: 3989
MELKERSSON-ROSENTHAL SYNDROME: 414
MELPHALAN: 281, 1904, 2375, 3983
MEMBRANE POTENTIALS: 520, 629, 716, 753, 964, 1122-1123, 1151, 1431, 1600, 1691, 1956, 2088, 2140, 2264, 2313, 2382, 2406, 2831, 3206, 3609, 3766, 3782, 3806, 4003, 4099
MEMBRANES: 2, 154, 549, 617, 869, 1016, 1592, 1648, 2020, 2175, 2495, 2651, 2664, 2717, 3006, 3148, 3338, 3647, 4045
MEMBRANES, ARTIFICIAL: 3397
MEMORY: 1720, 2060
MENARCHE: 3239, 3308
MENINGEAL ARTERIES: 1456

MENINGES: 1966, 4018
MENINGIOMA: 138, 257, 1604, 2250, 2730, 3775, 4116
MENINGITIS: 2917
MENINGITIS, VIRAL: 2917
MENINGOCELE: 2229
MENOPAUSE: 172, 193, 234, 282, 340, 460, 795, 852, 1372, 2116, 2662, 2828, 3239, 3738, 3927, 3931, 4014
MENORRHAGIA: 1210, 1483, 3599, 3990
MENOTROPINS: 306, 434, 603, 1359, 3532, 3761
MENSTRUATION: 129, 289, 306, 326, 530, 600, 652, 943, 1035, 1151, 1293, 1336, 1420, 1428, 1433, 1549, 1622, 1763, 1800, 1834, 1843, 2032, 2098, 2251, 2276, 2295, 2339, 2351, 2388, 2460, 2514, 2715, 2794, 2830, 2958, 3168, 3206, 3289, 3292, 3297, 3342, 3358, 3516, 3538, 3661, 3737-3738, 3770, 3860, 4100
MENSTRUATION DISORDERS: 91, 162, 943, 1621, 1647, 2316, 2351, 2365, 2550, 2752, 3078, 3168, 3515, 3585-3586, 3812, 3971
MENTAL DISORDERS: 526, 1310, 1513, 1712, 2535, 2605, 3762, 4151
MENTAL PROCESSES: 4151
MENTAL RETARDATION: 206, 208, 280, 315, 838, 936, 954, 1167, 1361, 1379, 2002, 2056, 2279, 2311, 2461, 2745, 2757, 2820, 3068, 3420, 3443, 3623, 3839, 3887
MENTHOL: 3705
MEPERIDINE: 442, 564, 777, 2575, 2790, 3382, 3607
MEPHENTERMINE: 2541, 4211
MEPIVACAINE: 11
MEPROBAMATE: 2747
MERCAPTOETHANOL: 433, 481, 689, 1127, 2181, 3044
MERCAPTOETHYLAMINES: 883
MERCAPTOPURINE: 566, 1155, 1417, 1589, 2218, 2237, 2500, 2789, 2841, 3218, 3768
MERCURY: 1358, 1855, 2181, 2593, 2696, 2774, 4048, 4088
MERCURY ISOTOPES: 1358, 2696, 4088
MERCURY POISONING: 1098
MESCALINE: 953, 3357
MESENCEPHALON: 53, 294, 353, 614, 752, 1219, 1511, 1938, 2235, 2641, 2844, 2852, 3191, 3407, 3473, 3580, 3869, 3905, 3918, 4088, 4143
MESENTERIC ARTERIES: 6, 78, 2113, 2732, 3628
MESENTERIC VASCULAR OCCLUSION: 6, 2556, 3177
MESENTERIC VEINS: 3177, 3628
MESENTERY: 2314, 3828
MESONEPHROMA: 1087
MESOTHELIOMA: 1564, 3299
MESTRANOL: 237, 374, 799, 1135, 1543, 1768, 1610, 1915, 2194, 2252, 2352, 2585, 2694, 2828, 2905, 2920, 2946, 2980, 3170, 3260, 3262, 3447, 3521-3522, 3718, 3770, 3932, 4131, 4160, 4199
METABOLIC CLEARANCE RATE: 229, 343, 666, 1372, 2156, 2322, 3035
METABOLIC DISEASES: 1091, 1262, 1820, 2147, 2231, 3441
METABOLISM: 55, 1442, 1499, 2437
METABOLISM, INBORN ERRORS: 408, 519, 570, 1093, 1654, 3015, 3161, 3281, 4200
METALLURGY: 3777
METALS: 1958, 2727, 3230
METAMORPHOSIS, BIOLOGICAL: 176, 631, 1317, 1639, 1732, 3189, 3395, 4110
METAPLASIA: 645
METARAMINOL: 3471, 3795, 4210
METATARSUS: 1038
METFORMIN: 1421, 2377
METHACHOLINE COMPOUNDS: 921
METHADONE: 2384, 2876, 3338
METHAMPHETAMINE: 2541, 3991
METHANDROSTENOLONE: 390
METHANE: 199, 1950, 3231, 4136
METHEMOGLOBIN: 3640
METHEMOGLOBINEMIA: 2332
METHICILLIN: 1088
METHIMAZOLE: 171, 1090, 3457, 3556
METHIONINE: 408, 2054, 2099, 2299, 2383, 2686, 3111, 3870, 3684, 3942
METHODS: 17, 33, 49, 70, 74, 79, 87, 92, 94, 114, 118, 121, 136-137, 161, 183, 239, 242, 286, 297, 313, 322, 341, 344, 369-370, 376, 382-383, 398, 417, 435, 439-440, 443, 460, 516, 523, 529-530, 583, 578, 624, 637, 642, 704, 706, 716, 721, 724, 729, 737, 744, 751, 766, 770, 787, 797, 850-851, 659, 669-870, 679, 883, 905, 910-911, 916, 950, 966, 1006-1007, 1012, 1034, 1051, 1053, 1063, 1089, 1092, 1148, 1165, 1161, 1195, 1210, 1218, 1221-1222, 1226, 1234, 1269, 1271, 1284, 1290, 1293-1294, 1304, 1309, 1315, 1321-1322, 1376, 1411, 1435, 1438, 1457, 1474, 1518, 1521, 1538-1539, 1544-1545, 1549, 1559, 1574, 1579, 1594, 1618, 1640, 1655, 1661, 1668, 1684, 1686, 1697, 1712, 1731, 1742, 1756-1757, 1759, 1761, 1766-1767, 1798, 1821, 1836, 1840, 1889, 1907, 1927, 1933, 1947, 1950, 1987, 2000, 2003, 2047, 2049, 2076, 2086, 2092, 2094, 2100, 2108, 2155, 2168, 2184, 2189, 2209, 2222, 2233-2234, 2242, 2251, 2253, 2256, 2259, 2269, 2289, 2320, 2325, 2337, 2346-2347, 2379-2380, 2389, 2400, 2409, 2416, 2428, 2439, 2447, 2454, 2459, 2466, 2524, 2539, 2545, 2547, 2566, 2569, 2577, 2636, 2708, 2717, 2725, 2733, 2767, 2762, 2795, 2812, 2845, 2848, 2853, 2855, 2859, 2870, 2874, 2878, 2880, 2887, 2933, 2942, 2951, 2959, 2988, 2993, 3005, 3018, 3020, 3026, 3038, 3054, 3073, 3093, 3095, 3133, 3140, 3152, 3204, 3221, 3237, 3247, 3271, 3273, 3314, 3343, 3345, 3356, 3377, 3383, 3394, 3423, 3429, 3432, 3450, 3454, 3458, 3462, 3480, 3483, 3492, 3498, 3528, 3534, 3539-3540, 3584, 3587, 3594, 3601, 3607, 3615, 3634, 3658, 3694, 3703, 3716, 3728, 3737-3738, 3744, 3771, 3821, 3832, 3858, 3859-3860, 3862, 3865, 3879-3880, 3899, 3909, 3916-3917, 3921, 3938, 3947, 3956-3957, 3996, 4000, 4005, 4025, 4045, 4067, 4073, 4091, 4106, 4109, 4134, 4146, 4174, 4176
METHOHEXITAL: 241, 564, 638
METHOTREXATE: 478, 566, 644, 1155, 1417, 1461, 1669, 1966, 2237, 2414, 2841, 2987, 3218, 3614, 3768
METHOTRIMEPRAZINE: 53, 2185
METHOXAMINE: 1598
METHOXYFLURANE: 241, 1864, 2256, 2790
METHYL ETHER: 241, 259, 1044, 2179, 2636
METHYLAMINES: 1019, 1559, 2575
METHYLATION: 487, 516, 528, 689, 1293, 1521, 1710, 1844, 2059-2060, 2197, 3185, 3293, 3444, 4032
METHYLCELLULOSE: 371, 1765, 3350
METHYLCHOLANTHRENE: 450, 948, 1391, 2181, 2243, 4082
METHYLDOPA: 526, 903, 917, 1259, 1508
METHYLENE BLUE: 1839
METHYLMETHACRYLATE: 1489, 1623, 2600
METHYLPHENIDATE: 1858
METHYLPREDNISOLONE: 185, 280, 688, 1190, 1344, 1706, 1745, 2096, 2113, 2302, 2331, 2435, 2722, 2827, 2871, 2884, 2901, 2911, 3376, 3701-3702, 3971, 4058, 4164
METHYLTESTOSTERONE: 49, 1466, 3589
METHYLTHIOURACIL: 832, 2840, 3986
METHYLTRANSFERASES: 149, 1760, 3145, 3788
METHYLTYROSINES: 335, 348, 735, 1331, 1441, 1600, 1720, 1838, 3580
METHYSERGIDE: 192, 1251, 2165, 2925, 2965, 3637, 3909, 4136
METRORRHAGIA: 1631, 2118
METYRAPONE: 292, 308, 462, 496, 551, 815, 946, 1156, 1208, 1749, 2013, 2250, 2316, 2328, 2357, 2443, 2650, 2781, 3124, 3253, 3442, 3544, 3547, 3549, 3585, 3685
MEVALONIC ACID: 3271, 3389
MEXICO: 2119, 2363
MICE: 19, 112, 145, 147, 174, 213, 216, 268, 285-286, 288, 298, 325, 348, 352, 378, 396, 424, 450, 464, 481, 488, 493, 517, 531, 572, 574, 576, 597, 607, 614, 621, 662, 673, 721, 742, 781-782, 601, 810, 832, 845, 858, 883-884, 945, 948, 950-951, 976, 994, 996, 1012, 1039, 1043, 1069, 1076, 1079, 1082, 1094, 1110, 1139, 1183, 1191, 1209, 1241, 1283, 1332, 1359, 1370, 1376, 1378, 1383, 1391, 1424, 1486, 1490, 1492, 1514, 1534, 1536, 1548, 1551, 1554, 1557-1558, 1576-1577, 1604, 1627, 1725, 1733, 1740, 1743, 1749-1750, 1760, 1779, 1788, 1809, 1831, 1837, 1940, 1943, 1951, 1978, 2008, 2035, 2039, 2043, 2053, 2060, 2067, 2070, 2075, 2095, 2102, 2109, 2114, 2137, 2150, 2177, 2181, 2212, 2219, 2225, 2253, 2284, 2286, 2299, 2310, 2367, 2370, 2412, 2414, 2433, 2438, 2469, 2478, 2505-2506, 2520, 2573, 2589, 2599, 2701, 2782, 2789, 2796, 2867, 2876, 2884, 2921, 2944, 2961-2962, 2969, 2978-2979, 2992, 3010, 3040, 3143, 3154, 3170, 3217, 3230, 3232, 3243, 3276-3277, 3283, 3285-3286, 3331, 3351, 3357, 3365, 3387, 3391, 3396, 3400, 3409, 3431, 3454, 3505, 3559, 3573-3574, 3583, 3590-3591, 3595, 3611, 3638, 3641, 3658, 3662-3663, 3711-3712, 3718, 3730, 3742, 3745, 3765, 3793, 3803, 3850, 3874, 3877, 3864, 3894, 3919, 3936, 3948, 3970, 4024, 4036, 4053, 4067, 4101, 4104, 4106, 4158, 4173
MICE, INBRED A: 376, 951, 1558, 2992
MICE, INBRED AKR: 2161, 2992, 3277
MICE, INBRED BALB C: 146, 378, 574, 1012, 1332, 1627, 2181, 3277, 3574, 3742, 3793, 3970
MICE, INBRED C3H: 146, 1743, 2573, 2921, 2992, 3170, 3230, 3277, 3283, 3868
MICE, INBRED C57BL: 146-147, 1551, 1576, 1827, 1750, 2219, 3277, 3409, 3868
MICE, INBRED CBA: 146, 348, 378, 517, 1012, 1076, 2102, 2992, 3154, 3919
MICE, INBRED DBA: 574, 951, 2219, 3283, 3793
MICE, INBRED ICR: 882, 1749
MICE, INBRED NZB: 1012, 1538
MICE, INBRED STRAINS: 218, 268, 376, 461, 821, 873, 948, 978, 1012, 1082, 1094, 1209, 1378, 1827, 1733, 1740, 2367, 2412, 2798, 3232, 3277, 3331, 3431, 3641, 3718, 4053
MICROBIAL SENSITIVITY TESTS: 3913
MICROBODIES: 1202
MICROCHEMISTRY: 721, 1423, 1686, 2046, 2201, 2268, 2854, 2993, 3215, 3283, 3444, 3539, 4104
MICROCIRCULATION: 3371, 3475, 3608, 3628
MICROCOCCUS: 1828, 3846
MICROELECTRODES: 336, 2238, 2831, 3208, 4099
MICROFILMING: 2793
MICROINJECTIONS: 3192, 3799
MICROPHTHALMOS: 3783
MICROPORE FILTERS: 557, 787, 1143, 3095, 3163
MICRORADIOGRAPHY: 1074, 1579, 2195, 2242, 3731
MICROSCOPY: 447, 796, 1202, 1211, 1239, 1301, 1345, 1414, 1512, 1818, 2006, 2101, 2228, 2442, 2671, 2941, 3049, 3113, 3122, 3183
MICROSCOPY, ELECTRON: 25, 112-113, 223, 249, 271, 301, 358, 399, 401-402, 422, 447, 466, 480, 534, 547, 563, 585, 608, 653, 702, 722, 789, 796-797, 812, 817, 846, 851, 930, 951, 977, 1014, 1016, 1033, 1080, 1087, 1118, 1127, 1135, 1163, 1198, 1202, 1211, 1215, 1239, 1241, 1301, 1318, 1356, 1364, 1369, 1382, 1400, 1414, 1424, 1427, 1472, 1494, 1506, 1512, 1576, 1599, 1607, 1643-1644, 1701, 1708, 1743, 1818, 1871, 1897, 1915, 1943, 1976, 2053, 2073, 2077, 2082, 2101, 2106, 2113, 2124, 2132, 2208-2209, 2217, 2228, 2253, 2268, 2274, 2286, 2312, 2314, 2375, 2389, 2442, 2457, 2505, 2551, 2812, 2852, 2868, 2700, 2703, 2711, 2717, 2719, 2728-2727, 2771, 2774, 2793, 2817, 2853, 2859, 2921, 2941, 3006, 3047-3049, 3058-3059, 3113, 3122, 3132, 3148, 3163, 3199, 3296, 3310-3311, 3319, 3371, 3409, 3417, 3431, 3497, 3571, 3583, 3639, 3676, 3894, 3739, 3753, 3780, 3788, 3792-3793, 3802, 3804, 3925, 3964, 3969, 3985, 4092, 4106, 4132, 4135, 4158
MICROSCOPY, ELECTRON, SCANNING: 285-286, 1425, 2182, 2828, 2921, 3163
MICROSCOPY, FLUORESCENCE: 136, 335, 491, 756, 1426, 1440, 1443, 1558, 1901, 1991, 2185, 2348, 2566, 2588, 2641, 2870, 3128, 3345, 3428, 3527, 3851, 4181
MICROSCOPY, PHASE CONTRAST: 787, 1636, 1662
MICROSOMES: 215, 308, 505, 522, 586, 667, 889, 941, 1244, 1701, 1730, 1837, 1857, 1911, 1916, 1951, 2055, 2121, 2236, 2324, 2438, 2457, 2632, 2792, 2934, 3005, 3008, 3097, 3320, 3363, 3389, 3498, 3501, 3621, 3907
MICROSOMES, LIVER: 356, 515, 941, 983-984, 1128, 1156, 1191, 1218, 1466, 1597, 1910, 1940, 1995, 2202, 2243, 2934, 3248, 3501, 3652, 3672
MICROSPHERES: 5, 3140, 3173
MICROTUBULES: 399, 402, 1215, 2268, 3187, 3311, 4158
MICROWAVES: 2779
MIDDLE AGE: 24, 33, 42-43, 46, 56-57, 62, 84-85, 98, 101, 108-109, 125-128, 138, 140, 150, 164, 172, 179, 193-194, 197, 217, 224, 235, 252, 257-258, 263, 269, 275-276, 281, 283, 292, 299-300, 314, 321, 331-334, 339, 360, 368, 373, 388, 403, 408, 410, 414, 449, 454, 461-462, 466-467, 469, 473, 476-477, 489-490, 496, 502, 529, 546, 548, 551, 564, 569, 595, 599, 607, 628, 635, 648, 878-677, 694, 696-697, 704, 708, 719, 726, 733-734, 758-759, 780, 785, 795, 809, 812, 615, 825, 634, 838, 641, 843-844, 852, 855, 857, 866, 868, 673, 880, 893,

902, 908, 912, 915, 929, 942, 944, 958, 985, 971-972, 985, 989, 999, 1008, 1013, 1029, 1032, 1040, 1048, 1053, 1059-1080, 1085, 1080, 1087-1088, 1091, 1098, 1101, 1103, II09, 1118, 1125, 1135, 1144, 1148, 1151-1152, 1185, 1189-1170, 1178, 1180, 1190, 1194, 1199, I212, 1247, 1282, 1268, 1278, 1280, 1292, 1302, 13II, 1319, 1323, 1335, 1342, 1348, 1385, 1388-1389, 1372, 1388, 1417, 1420-1421, 1435, 1452-1453, 1458, 1482, 147I, 1474, I480-1481, 1499, 1501, 1522, I528, 1528, 1533, 1550, 1584, 1579-I580, I588, 1589, 1801, 1818, 1830, 1852, 1887, 1894, 1898, 1723, I729, 1742, 1758, 1770, 1783, 1794, 1808, 1812-1813, 1819, 1840, 1851, 1854, 1858, 1881, 1881, I886, I888, 1890, 1898, I904, 1922, 1928, 1952-1954, 1957, 1982, 1984-1985, 1972, 1994, 1998, 2003-2004, 2008, 2022, 2024, 2041, 2048, 2051, 2081, 2071, 2078, 2093, 2098, 2104, 2107, 2112, 2II5-2118, 2118, 2148, 2148, 2182, 2178, 2180, 2187, 2191, 2193, 2199, 2205, 2221, 2241, 2244-2245, 2255, 2280-2261, 2270, 2301, 2309, 2312, 2325, 233I, 2333, 2358-2359, 2389, 2375, 2390, 2398, 2409, 2420, 2422, 2433, 2435, 2445, 2450, 2455, 2459, 2485, 2472, 2488, 2502, 2512, 2545, 2549, 2555, 2588, 2568, 2581-2582, 2584, 2800-2801, 2804-2805, 2819, 2840, 2850, 2857, 2882, 2889-2870, 2672, 2875, 2877, 2682, 2688, 2892, 2899, 2702, 2708, 2708, 2710, 2722, 2726, 2728, 2730, 2733, 2738, 2742-2743, 2750, 2785, 2787, 2771, 2781-2782, 2785, 2788, 2790, 2795, 2808, 2812
2828, 2830, 2839, 2649, 2860, 2864, 2867, 2884, 2898, 2901, 2909, 2912, 2917, 2922, 2933, 2935-2938, 2948, 2984, 2973, 2981, 2995, 2997, 3003, 3009, 3030, 3049, 3089, 3074, 3087, 3107-3108, 3128, 3129, 3133, 3139, 3151, 3156, 3179, 3188, 3197, 3203, 3206, 3220, 3228, 3239, 3248, 3284, 3270, 3261, 3294, 3298, 3303, 3308-3307, 3312, 3324, 3328, 3343, 3345, 3355, 3370, 3378, 3364, 3407, 3421, 3427, 3432, 3437-3439, 3441, 3459, 3481-3482, 3485, 3519, 3524, 3533, 3535, 3544, 3550, 3587, 3578-3577, 3597, 3814, 3818, 3825, 3829, 3635-3836, 3844, 3888, 3879, 3688, 3895, 3728, 3743, 3748-3747, 3783, 3787, 3780, 3791, 3800-3801, 3814, 3817, 3824, 3835, 3851, 3854-3855, 3887, 3872, 3874, 3876, 3681, 3888, 3905, 3909, 3929, 3931, 3949, 3959, 3983, 3992, 3998, 3999, 4002, 4005, 4008, 4016, 4022, 4028-4029, 4042, 4055-4056, 4058, 4080, 4087, 4091, 4118, 4116, 4128, 4133, 4182-4183, 4174, 4178, 4209
MIGRAINE: 800, 1142, 1456, 1652, 2147, 2681, 3353
MILK: 443, 553, 746, 1070, 1340, 1880, 2035, 2323, 2822, 2848, 2847, 3413, 3728, 3986, 4088
MILK-ALKALI SYNDROME: 3214, 4140
MILK, HUMAN: 482, 2816
MILK PROTEINS: 443, 1070, 1340, 2818, 2848, 2789
MINERAL WATERS: 2477
MINERALOCORTICOIDS: 307, 1735, 2171, 2218, 2247, 2881, 3158, 3853, 3888, 4050
MINERALS: 188, 2003, 2885, 2892, 2888, 3180, 4080, 4134, 4146
MINIMAL BRAIN DYSFUNCTION: 3499, 3839, 3980
MIOTICS: 1717, 2031
MITHRAMYCIN: 989, 1451, 1458, 3214, 3951, 4201
MITOCHONDRIA: 25, 30, 68, 249, 301, 447, 480, 522, 808, 882, 702, 798, 889, 1075, 1118, 1135, 1172, 1215, 1384, 1424, 1482, 1701, 1708, 1779, 1818, 1837, 1871, 1875, 1897, 1918, 1951, 2I01, 2121, 2228, 2433, 2499, 2808, 2812, 2852, 2871, 2700, 2728, 2885, 2888, 2934, 2941, 2999, 3005-3008, 3008, 3097, 3199, 3248, 3278, 3320, 3383, 3389, 3408, 3498, 3501, 3518, 3821, 3738, 3802, 3873, 3901, 3911, 3984, 4017, 4045
MITOCHONDRIA, LIVER: 45, 143, 522, 549, 619, 821, 988, I033, 1202, 1301, 1995, 2175, 2188, 2580, 3058, 3148, 3242, 3501, 3738, 3788, 4015, 4045
MITOCHONDRIA, MUSCLE: 215, 882, 889, 1701, 2103, 2268, 2354, 2793, 3058, 3511, 3803, 3804, 3873, 4135
MITOCHONDRIAL SWELLING: 549, 1503, 1897, 2268, 2551, 3738
MITOGENS: 517, 531, 3288
MITOSIS: 198, 234, 240, 493, 592, 597, 831, 680, 758, 879, 1085, 1139, 1370, 1383, 1443, 1520, 1850, 1718, 1811, 1849, 2023, 2089, 2109-2110, 2208, 2328, 2370, 2411, 2589, 2709, 2789, 2980, 3013, 3060, 3141, 3183, 3375, 3448, 3528, 3582, 3595, 3858, 3703, 3714, 3730, 4001, 4158
MITOTANE: 2244
MITRAL VALVE: 4056
MMPI: 3110
MODELS, BIOLOGICAL: 20, 343, 398, 493, 592, 1147, 1581, 1839, 1831, 1903, 2105, 2132, 2684, 3183, 3593, 3807, 3819, 3847, 3884, 3944, 4070, 4080, 4134, 4178
MODELS, CHEMICAL: 896, 1429, 1905, 3404, 3685, 3820
MODELS, NEUROLOGIC: 294
MODELS, STRUCTURAL: 787, 1243, 2182, 3998
MODELS, THEORETICAL: 440
MOLAR: 1825
MOLECULAR BIOLOGY: 3271
MOLECULAR CONFORMATION: 510, I872, 2483, 3079, 3111
MOLECULAR WEIGHT: 74, 145, 303, 542, 558, 824, 854, 893, 755, 1063, 1127, 1200, 1290, 1320, 1328, 1348, 1429, 1478-1477, 1846, 1740, 1780, 1828, 1885, 1937, 2017, 2154, 2321, 2441, 2444, 2480, 2501, 2583, 2810, 2633, 2747, 2805, 2894, 3028, 3044, 3111, 3132, 3189, 3377, 3383, 3415, 3501, 3508, 3710, 3716, 3789, 3778, 3818, 3818, 3820, 3880, 3942, 4038, 4083, 4124
MOLLUSCA: 1237, 1431, 2348, 2848, 3385, 3578
MOLLUSCACIDES: 717
MOLLUSCUM CONTAGIOSUM: 350
MOLONEY VIRUS: 4038
MOLYBDENUM: 587
MONGOLISM: 180, 1201, 1281, 1297, 1999, 2582, 2656, 2876, 2879, 3141, 4186
MONGOLOID RACE: 1907, 4102
MONILIASIS: 738, 925, 2531, 3220, 3858
MONILIASIS, ORAL: 925
MONILIASIS, VULVOVAGINAL: 4198
MONITORING SYSTEMS: 2280, 2488
MONKEY DISEASES: 2274, 4152
MONKEYS: 47, 107, 129, 135, 181, 194-195, 242, 500, 523, 568, 803-804, 644, 732, 882, 939, 998, 1025, 1035, 1147, 1249, 1338, 1354, 1359, 1485, 1598, 1810, 1720, 1787, I845, 1848, 1860, 1884, 1915, 1917, 2023, 2043, 2101, 2122, 2274, 2277, 2290, 2388, 2460, 2528, 2768, 2889, 2911, 2988, 3091, 3134, 3173, 3185, 3260, 3287, 3358, 3387, 3393, 3448, 3531, 3538, 3560, 3735, 3745, 3758, 3828, 3880, 3898, 3922, 4000, 4013, 4035, 4114, 4152
MONOAMINE OXIDASE: 771, 1138, 1327-1328, 2598, 2781, 2823, 3006, 3244
MONOAMINE OXIDASE INHIBITORS: 353, 394, 401, 1172, 1327, 2059, 2165, 2541
MONOCYTES: 563, 3730, 3797
MONSTERS: 1900
MORALS: 2429
MORPHINANS: 832, 1488, 2233, 3338
MORPHINE: 39, 241, 867, 1068, 1331, 1781, 1982, 2384, 2878, 3607, 3664, 3788, 4025, 4078, 4138
MORPHINE ADDICTION: 687
MORPHOGENESIS: 271, 2073, 2458, 3132
MORPHOLINES: 1048, 2059-2060, 2805
MORTALITY: 419
MOSAICISM: 138, 198, 280, 385, 375, 409, 444, 976, 1228, 1639, 1919, 2380, 2582, 3336, 3551
MOSCOW: 361
MOTION PICTURES: 3828
MOTIVATION: 127, 1455, 1561, 1744, 2059, 3120, 3412, 3593, 3643
MOTOR ACTIVITY: 151, 325, 1068, 1255, 1575, 1639, 1858, 1744, 2060, 2067, 2388, 2641, 2813, 3004, 3287, 3340, 3357, 3593, 3794
MOTOR CORTEX: 1413, 2030, 3794, 4149
MOTOR NEURONS: 64, 192, 247, 2006, 4139
MOTOR SKILLS: 487
MOUSE LEUKEMIA VIRUSES: 958, 1978, 3850, 4038
MOUTH: 905, 925, 1455, 1463
MOUTH DISEASES: 1487, 2422, 3281
MOUTH MUCOSA: 234, 1538, 3128, 3545, 3557
MOUTH NEOPLASMS: 3281, 3703
MOVEMENT: 709, 1511
MOVEMENT DISORDERS: 528, 3420, 3754
MSH: 7, 102, 187, 448, 793, 1241, 1263, 1715, 1851-I852, 2144, 3407, 3583, 3673
MUCIN: 113, 845
MUCOPOLYSACCHARIDES: 3, 8, 230, 399, 722, 818, 854, 900, 954, 1159, 1337, 1378, 1682, 2609, 2757, 2888, 3351, 3666, 4122
MUCOUS MEMBRANE: 209, 925, 1848, 2101, 2436, 2537, 3812, 3750, 4041
MUCUS: 702, 2053, 2133, 2140, 3168
MULLERIAN DUCTS: 1798, 2353, 3031, 3589
MULTIENZYME COMPLEXES: 730, 1437, 3687
MULTIPLE MYELOMA: 281, 763, 857, 1489, 1670, 1812, 1882, 1904, 2098, 2343, 2375, 3983
MULTIPLE SCLEROSIS: 554, 577, 841, 1170, 2450
MUMPS: 475, 2536, 2875, 4055
MURAMIDASE: 2805, 2986
MUSCLE CONTRACTION: 2, 11, 34, 71-73, 77-78, 158, 211, 247, 325, 355, 516, 561, 565, 776-777, 823, 889, I002, 1122-1123, 1220, 1350, 1356-1357, 1553, 1624, 1657, 1717, 1844, 1917, 2082, 2152, 2300, 2313, 2515, 2828, 3036, 3175, 3266, 3378, 3607, 3664, 3781, 3887, 3975, 4032, 4037
MUSCLE CRAMP: 643
MUSCLE PROTEINS: 116, 1348, 1624, 1701, 2294, 2451, 4063
MUSCLE RELAXANTS, CENTRAL: 2045
MUSCLE, SMOOTH: 11-12, 55, 85, 73, 77-78, 158, 211, 325, 390, 561, 853, 921, 1067, 1151, 1220, 1587, 1917, 2082, 2143, 2300, 2313, 2433, 3013, 3664, 3781, 3805, 3874, 3955, 3975
MUSCLE TONUS: 921, 1151, 1212, 2300, 2386, 2841, 3036, 3085, 3266, 4135
MUSCLES: 2, 18, 44, 116, 124, 128, 215, 355, 425, 479, 461, 520, 594, 649, 895, 714, 742, 834, 882, 889, 982, 1153, 1217, 1277, 1323, 1348, 1357, 1472, 1714, 1717, 1732, 1752, 1922, 1946, 1995, 2012, 2236, 2238, 2261, 2294, 2350, 2400, 2506, 2590, 2648, 2672, 2687, 2729, 2736, 2774, 2865, 2984, 3005, 3013, 3036, 3057, 3096, 3127, 3186, 3189, 3196, 3296, 3339, 3444, 3448, 3501, 3505, 3517, 3543, 3608, 3624, 3684, 3732, 3782, 3804, 3871, 3873, 3884, 3972, 4027, 4042, 4083, 4120, 4125, 4135, 4142, 4152, 4168
MUSCULAR ATROPHY: 2176
MUSCULAR DISEASES: 594, 643, 1125, 2051, 2964, 3007, 3016, 3186, 3399, 3567, 3873, 4168
MUSCULAR DYSTROPHY: 235, 2581, 2598, 2830, 4135
MUSCULAR DYSTROPHY, ANIMAL: 862
MUSHROOM POISONING: 4044
MUSHROOMS: 3815-3818
MUSSELS: 158, 2646
MUTAGENS: 474, 602, 2281, 3000, 4064
MUTATION: 426, 474, 570, 898, 860, 976, 1371, 1458, 1639, 1711, 1728, 2214, 2217, 2281, 2340, 2563, 2979, 3000, 3118, 3167, 3278, 3336, 3362, 3551, 3891, 3724, 3745, 3816, 3850, 3954, 3987
MYASTHENIA GRAVIS: 258, 1097, 1335, 1446, 1793, 2084, 2733, 3016, 3186, 3399, 3592, 3728
MYCOBACTERIUM BOVIS: 3154
MYCOBACTERIUM TUBERCULOSIS: 2359, 3985
MYCOPLASMA: 1807
MYCOPLASMA INFECTIONS: 3229
MYCOPLASMA LAIDLAWII: 1807
MYCOPLASMA MYCOIDES: 1807
MYCOSES: 2531
MYCOSIS FUNGOIDES: 3465
MYCOTOXINS: 3380, 4044
MYDRIATICS: 4211
MYELIN SHEATH: 399, 976, 1935, 2505, 2783
MYELOFIBROSIS: 763, 3883
MYELOGRAPHY: 3897
MYELOMA PROTEINS: 281, 1904, 2375, 2441
MYOBLASTOMA: 616
MYOCARDIAL DEPRESSANTS: 1097, 2113, 2549
MYOCARDIAL DISEASES, PRIMARY: 1654, 4162
MYOCARDIAL DISEASES, SECONDARY: 847, 1854, 2551, 3123, 3867
MYOCARDIAL INFARCT: 101, 305, 651, 1637, 2166, 2434, 2504, 2710, 2806, 2993, 3178, 3386, 3648, 3932, 4174, 4214
MYOCARDITIS: 363, 1854, 2519, 2551, 2685, 3946
MYOCARDIUM: 18, 44, 69, 116, 153, 197, 226, 422, 828, 649, 859, 683, 706, 739, 847, 999, 1016, 1039, 1122-1123, 1156, 1230, 1326, 1441, 1554, 1624, 1646, 1654, 1657, 1681, 1701, 1714, 1759, 1857, 1898, 1911, 1977, 1991, 1995, 2030, 2039, 2052, 2061, 2163, 2166, 2268, 2294, 2303, 2310, 2350, 2395, 2400, 2482, 2519, 2531, 2551, 2590, 2706, 2736, 2756, 2793, 2813, 2938, 2959, 2983, 3013, 3058, 3127, 3194, 3196, 3369, 3500-3501, 3511, 3564, 3589, 3603, 3605, 3606, 3684, 3710, 3780, 3825, 3844, 3869, 3914, 3936, 3946, 3955, 4045, 4063, 4091-4092, 4113, 4141, 4162
MYOCLONUS: 2165
MYOFIBRILS: 2238, 2268, 2793, 3036, 3296
MYOGLOBINURIA: 594
MYOSARCOMA: 2005
MYOSIN: 2

MYOSITIS: 634, 1417, 1472, 2261, 3296
MYOTONIA ATROPHICA: 292, 1732
MYXEDEMA: 113, 355, 427, 643, 695, 847, 1029, 1040, 1107, 1524, 1527, 1790, 1854, 1926, 1935, 2523, 3341, 3791, 3858
MYXOMYCETES: 365, 3013
MYXOVIRUS INFECTIONS: 2505
NAD: 167, 755, 875, 1233, 1253-1254, 1597, 1916, 2202, 2327, 2356, 2587, 2631, 2927, 3093, 3248, 3267, 3621, 3716, 4074
NADH, NADPH OXIDOREDUCTASES: 654, 1216, 1377
NADP: 23, 588, 654, 755, 984, 1156, 1191, 1233, 1466, 1597, 1620, 1918, 2202, 2296, 2327, 2391, 2438, 2554, 2583, 2631, 2792, 2886, 2902, 2927, 3248, 3392, 3621, 3640, 3716
NAIL-PATELLA SYNDROME: 986, 3562
NAILS, MALFORMED: 2279
NALIDIXIC ACID: 261
NALORPHINE: 2876
NALOXONE: 39, 2876
NANDROLONE: 339, 390, 2818, 3249, 4211
NAPHTHALENES: 288, 1192, 1753, 2209, 3104, 3713
NAPHTHOLS: 1192, 3667
NARCOLEPSY: 2965
NARCOTIC ANTAGONISTS: 3175
NARCOTICS: 4197
NASAL MUCOSA: 177, 3545
NASAL POLYPS: 177
NASAL SEPTUM: 463
NASOPHARYNGEAL NEOPLASMS: 3481
NASOPHARYNX: 1630
NATRIURESIS: 57, 154, 236, 255, 307, 423, 435, 512, 583, 703, 979, 1021, 1048, 1098, 1442, 2187, 2176, 2357, 2501, 2507, 2517, 2558, 2949, 3509, 3865
NAUSEA: 176, 442, 544, 1645-1848, 2265, 2611, 2914, 3188, 3373, 3523, 3733, 4140
NAVAL MEDICINE: 1571
NECATOR: 2742
NECK: 15, 872, 2848, 4108
NECK NEOPLASMS: 763, 905-908, 2648, 3536
NECROSIS: 108, 251, 453, 614, 855, 1120, 1128, 2115, 2188, 2407, 2551, 2600, 2653, 2864, 3125, 3507, 3697, 3948, 4152
NEEDLES: 115, 3882
NEGROES: 403, 3416
NEGROID RACE: 720, 957, 3323
NEMATODA: 1237, 2883
NEMATODE INFECTIONS: 1488, 2282
NEOMYCIN: 1718, 1764, 2872
NEOPLASM CIRCULATING CELLS: 2587, 3655, 3611
NEOPLASM METASTASIS: 81, 84, 164, 197, 298, 305, 359, 432, 478, 501, 551, 672, 627, 643, 657, 1032, 1087, 1109, 1148, 1160, 1247, 1302, 1330, 1438, 1481, 1489, 1539-1540, 1588, 1801, 1755-1758, 1915, 2244, 2358, 2448, 2472, 2494, 2533, 2555, 2587, 2682, 2670, 2699, 2763, 2867, 2874, 2909-2910, 3030, 3066, 3074, 3084, 3299, 3409, 3427-3428, 3535-3536, 3577, 3614, 3616, 3631, 3635, 3638, 3697, 3747, 3768, 3775, 3790, 3931, 3938, 3940, 3959, 4015-4016, 4206
NEOPLASM PROTEINS: 810, 1400-1401, 1669, 2457, 2962, 3069, 3331, 3574
NEOPLASM RECURRENCE, LOCAL: 1124, 1755, 2289, 3644, 3775
NEOPLASM REGRESSION, SPONTANEOUS: 24, 157, 3850
NEOPLASM TRANSPLANTATION: 112, 525, 597, 951, 1401, 1558, 1713, 2582, 2573, 2887, 3225, 3230, 3510, 4075
NEOPLASMS: 22, 155, 220, 305, 432, 1003, 1032, 1109, 1128, 1438, 1540, 1580, 1673, 1890, 1926, 2012, 2087, 2260, 2274, 2287, 2448, 2835, 2974, 3010, 3130, 3153, 3197, 3214, 3261, 3345, 3500, 3533
NEOPLASMS, EMBRYONAL AND MIXED: 622, 3433
NEOPLASMS, EXPERIMENTAL: 112, 298, 450, 669, 948, 951, 1128, 1163, 1283, 1548, 1558, 1713, 1743, 2043, 2181, 2447, 2524, 2573, 2962, 3010, 3298-3299, 3331, 3470, 3573, 3734, 3757, 3803, 3866, 3919
NEOPLASMS, MULTIPLE PRIMARY: 573, 1065, 1330, 1604, 2136, 2260, 2670, 3294, 3811
NEOPLASMS, RADIATION-INDUCED: 608, 1743, 1992, 2483, 3919
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 7, 404, 1638, 2246, 3303, 3811, 4161
NEOSTIGMINE: 1097, 2301, 2672
NEPHRECTOMY: 132, 229, 293, 386, 428, 661, 703, 712, 737, 626, 1053, 1444, 1613, 1630, 1661, 2267, 2358, 2368, 2666, 2770, 2967, 3035, 3055, 3128, 3193, 3269, 3435, 3628, 3633, 3909, 4012
NEPHRITIS: 708, 1973, 3823, 3935
NEPHROBLASTOMA: 672, 763, 3940, 3947
NEPHROCALCINOSIS: 497, 2773, 3857
NEPHRONS: 154, 3159
NEPHROSCLEROSIS: 197, 2945
NEPHROSIS: 1612, 2328
NEPHROSIS, LIPOID: 455, 1528, 3823
NEPHROTIC SYNDROME: 337, 455, 497, 584, 969, 1045, 1528, 1622, 2328, 2519, 2751, 3829
NERVE DEGENERATION: 335, 399, 1732, 2275, 3417, 3473
NERVE ENDINGS: 141, 402, 447, 970, 1816, 2101, 2941, 3385, 3583, 3804, 4052
NERVE FIBERS, MYELINATED: 399
NERVE GROWTH FACTOR: 1558, 3958
NERVE REGENERATION: 335, 809, 1732
NERVE TISSUE: 577, 3002, 3564
NERVE TISSUE PROTEIN S 100: 3816
NERVE TISSUE PROTEINS: 212, 554, 2606, 3019, 3818, 4121
NERVOUS SYSTEM: 2, 55, 1698, 2310, 2738, 3002, 4151
NERVOUS SYSTEM DISEASES: 554, 1177, 1167, 2703, 2935, 4214
NESTING BEHAVIOR: 3552
NETHERLANDS: 1887
NEURAL CONDUCTION: 577, 1235, 2281, 2703, 3121, 3338, 3642
NEURAL INTERCONNECTIONS: 142, 294, 1380, 1707, 1744, 2090, 2275, 2553, 2844, 3417, 3473, 3843, 3794, 3930
NEURAL TRANSMISSION: 64, 192, 526, 716, 1097, 1237, 1380, 1719, 1944, 2177, 2264, 2290, 3135, 3365, 3385, 3417, 3723
NEURAMINIC ACIDS: 209, 212, 360, 1052, 1740, 2035, 2085, 2133, 2462, 2525, 3377
NEURAMINIDASE: 309, 545, 558, 2169, 2525
NEURILEMMOMA: 257
NEURITIS: 2265
NEUROBLASTOMA: 404, 1558, 1731, 2291, 2310, 2981-2982, 3313, 3697, 3849
NEURODERMATITIS: 975, 1351, 1568, 2989, 3295
NEUROFIBRILS: 1235, 2348
NEUROFIBROMATOSIS: 573, 4162
NEUROGLIA: 25, 212, 1233, 2077, 2291, 2572, 2941, 4106
NEUROHUMORS: 457, 631, 1237, 2301, 3452
NEUROLEPTOANALGESIA: 241, 2549
NEUROLOGIC MANIFESTATIONS: 936, 1004, 1029, 1287, 1880, 2311, 2488, 2731, 3102, 4016, 4194
NEUROMA: 1330, 2436
NEUROMUSCULAR DEPOLARIZING AGENTS: 581, 1717, 3388
NEUROMUSCULAR DISEASES: 1029, 2244, 2598, 3577, 3782
NEUROMUSCULAR JUNCTION: 18, 287, 411, 718, 1237, 1717, 1830, 2177, 4042
NEUROMUSCULAR SPINDLES: 3804
NEURONS: 29, 39, 107, 142, 212, 870, 955, 1235, 1382, 1600, 1618, 1932, 2014, 2291, 2348, 3002, 3045, 3121, 3338, 3385, 3576, 3642-3643, 3723, 3766, 3893, 3895-3896
NEURONS, AFFERENT: 1870, 2290, 2704, 3893
NEURONS, EFFERENT: 3473
NEUROPHYSINS: 532, 624, 996, 2982, 3942
NEUROPHYSIOLOGY: 399, 2394
NEUROSECRETION: 402, 447, 631, 797, 1189, 1616, 2054, 2140, 2497, 2941, 3583
NEUROSECRETORY SYSTEMS: 167, 707, 1198, 1242, 2062-2063, 2882, 3670
NEUROSES, ANXIETY: 3461
NEUROSES, OBSESSIVE-COMPULSIVE: 2605
NEUROSPORA: 1100, 1371, 1377
NEUROSPORA CRASSA: 1100, 1371, 1377, 2979
NEUROSURGERY: 110, 3420
NEUTRALIZATION TESTS: 242, 2266, 2907, 3709
NEUTRONS: 1548
NEUTROPHILS: 238, 405, 492, 770, 1133, 1902, 2670, 4106
NEVUS, PIGMENTED: 3962
NEW MEXICO: 905
NEW YORK: 3937
NEW YORK CITY: 655
NEWCASTLE DISEASE VIRUS: 3490
NIALAMIDE: 335, 735, 2791
NICKEL: 1022, 1549, 1956, 2161
NICOTINAMIDE: 907, 3267
NICOTINE: 336, 667, 1410, 1719, 2235, 2301, 2747
NICOTINIC ACID: 262, 467, 524, 585, 1276, 1338, 2504, 3279, 4174
NIDATION: 16, 51, 285-286, 663, 791, 863, 1192, 1396, 1420, 1520, 1627, 1689-1690, 1984, 2057-2058, 2157, 2208-2209, 2423, 2595, 2665, 2715, 3236, 3287, 3375, 3659, 3759, 4066, 4089, 4148
NIGERIA: 338
NIKETHAMIDE: 467
NITRATES: 134, 930, 2238, 3419
NITRILES: 636, 983, 1081, 1304, 2012, 3245, 3788, 4161
NITRITES: 1048
NITRO COMPOUNDS: 213, 2055, 3071, 3840
NITROBENZENES: 153, 155, 655, 1020, 2253, 2462, 3640, 3977
NITROFURANS: 686, 1604
NITROFURANTOIN: 2747
NITROGEN: 92, 179, 200, 339, 415, 443, 697, 1064, 1517, 2032, 2048, 2270, 2616, 2661, 2616, 2666, 3051, 3495, 3551, 3682
NITROGEN DIOXIDE: 2332
NITROGEN FIXATION: 930
NITROGEN MUSTARD COMPOUNDS: 80, 562, 1436, 2702
NITROGEN OXIDES: 1783, 2332
NITROSAMINES: 298, 1049
NITROSO COMPOUNDS: 1048
NITROSOGUANIDINES: 1458, 2281
NITROSOUREA COMPOUNDS: 1104, 1904, 3866
NITROUS OXIDE: 264, 1501, 1613, 1965, 2000, 2332, 2459, 2790
NOCARDIA: 245
NOCARDIA ASTEROIDES: 2912
NOCARDIA INFECTIONS: 2912
NOISE: 65
NOMENCLATURE: 43, 232, 1042, 1919, 3106, 4175
NOREPINEPHRINE: 11-12, 20, 29, 35, 53, 61, 64, 124, 148-149, 159, 222, 226, 268, 336, 342, 348, 353, 459, 526, 561, 580, 620, 673, 780, 903, 980, 1041, 1054, 1068, 1265, 1327, 1356, 1405, 1415, 1416, 1442, 1449, 1508, 1519, 1556, 1584, 1596, 1600, 1605, 1633, 1719, 1757, 1762, 1638, 1952, 1977, 2030, 2040, 2061, 2147, 2158, 2163, 2165, 2216, 2254, 2300-2301, 2315, 2371, 2406, 2427, 2504, 2541, 2572, 2575, 2603, 2607, 2616, 2641, 2721, 2737, 2813, 2824, 2892, 2993, 2999, 3004, 3056, 3079, 3096, 3114, 3127, 3145, 3208, 3305, 3309, 3315-3317, 3357, 3387-3386, 3413, 3426, 3452, 3463, 3475, 3499, 3512, 3561, 3568, 3580, 3617, 3673, 3723, 3761, 3843, 3889, 3895-3896, 3933, 3980, 3991, 4052, 4111, 4113
NORETHANDROLONE: 390, 3487
NORETHINDRONE: 168, 162, 195, 237, 1420, 1768, 1610, 2252, 2317-2316, 2352, 2514, 2565, 2894, 2715, 2943, 2946, 3770, 3932, 4131
NORETHYNODREL: 168, 1915, 2946, 3170
NORGESTREL: 91, 162, 195, 1433, 1459, 1810, 2032, 2514, 2828, 3076, 3145, 3447, 3449, 3516, 3522, 4131
NORLEUCINE: 3685
NORMETANEPHRINE: 1757, 2040, 2371
NORSTEROIDS: 3138, 3998, 4123
NORTH AMERICA: 1245
NORTH CAROLINA: 477, 3416
NOSE: 1900, 4204
NOSE DISEASES: 672, 1390
NOSE NEOPLASMS: 3299
NOVOBIOCIN: 4033
NUCLEAR MAGNETIC RESONANCE: 781, 659, 896, 1222, 1701, 1710, 1780, 1905, 2108, 2387, 2538-2539, 3014, 3656, 3685, 3832, 3939, 3998
NUCLEAR MEDICINE: 2533
NUCLEAR PHYSICS: 2580
NUCLEIC ACID DENATURATION: 581, 827
NUCLEIC ACID HYBRIDIZATION: 1105
NUCLEIC ACIDS: 1112, 1240, 1620, 2687, 3769
NUCLEOPROTEINS: 74, 1562, 1650, 1761, 2043, 2220
NUCLEOSIDES: 1660, 3409, 3520, 3573, 3955, 4011
NUCLEOTIDASES: 658, 1484, 1646, 1980, 2874, 3710
NUCLEOTIDES: 671, 1326, 1636, 1646, 2175, 2396, 2327, 2513, 3520, 3955
NUCLEOTIDYLTRANSFERASES: 3339, 3760

NUTRITION: 1073, 1191, 1273, 1455, 2145, 3112, 3153, 3648, 3729, 3756
NUTRITION DISORDERS: 507, 835, 1018, 1073, 1273, 1450, 1854, 2533, 2820, 2745, 2783, 2818, 2906, 3756
NUTRITION SURVEYS: 3051
NUTRITIONAL REQUIREMENTS: 415, 683, 959, 1037, 1273, 3648, 3995
NYSTAGMUS: 2846
NYSTATIN: 1371, 4198
OBESITY: 98, 125, 140, 218, 293, 437, 1071, 1129, 1187, 1209, 1262, 1310, 1455, 1487, 1705, 1650, 1985, 2002, 2097, 2100, 2150, 2191, 2850, 2820, 3024, 3027, 3171, 3302, 3441, 3593, 3829, 3743, 3810, 3854, 3859, 3930, 4022, 4038, 4087, 4098, 4134, 4162
OBESITY IN DIABETES: 125, 1581, 3854, 4087
OBSTETRICS: 1201, 2280, 3937, 4189
OCCIPITAL LOBE: 3869
OCCLUSIVE DRESSINGS: 1581, 2370, 2849, 4202
OCCUPATIONAL DERMATITIS: 3464
OCCUPATIONAL DISEASES: 868, 1858, 3228, 3688, 4055
OCCUPATIONS: 733, 2128, 2481
OCULOMOTOR NERVE: 1511, 2275
OCULOMOTOR PARALYSIS: 1142, 2964
ODONTOGENESIS: 1557
ODONTOGENIC TUMOR: 327, 1557
ODORS: 1390
OILS: 1632, 2858, 3877, 4141
OILS, VOLATILE: 2989
OINTMENTS: 768, 975, 1357, 1568, 1835, 2076, 2370, 2849, 2940, 3355, 4198
OLEIC ACID: 854, 1387, 1607, 1910, 2137, 3682
OLFACTORY BULB: 709, 910, 961, 1514, 1593, 2090, 2232, 2802, 3058, 3513
OLFACTORY NERVE: 1390
OLFACTORY PATHWAYS: 1390
OLIGODENDROGLIOMA: 2730, 3775
OLIGOMYCIN: 2175
OLIGOPEPTIDES: 77, 90, 1429, 1970, 2154
OMENTUM: 2459, 2975, 3299, 3797
ONCOGENIC VIRUSES: 686, 948, 951, 1283, 2181, 3209
ONCOLYSIS: 1401
ONTARIO: 281, 1053, 3291
OPERON: 474, 1375, 2633, 3275, 3987
OPHTHALMIC SOLUTIONS: 95, 957, 2149
OPHTHALMOSCOPY: 1528
OPOSSUMS: 1338, 3290, 3473
OPSONINS: 1890
OPTIC ATROPHY: 2761
OPTIC CHIASM: 1884
OPTIC NERVE: 616, 1497, 1884, 1963, 3903
OPTIC NEURITIS: 1136, 2493
OPTICAL ROTATION: 2538-2539, 3014
OPTICAL ROTATORY DISPERSION: 3656
OPTICS: 382
ORAL MANIFESTATIONS: 605, 1670, 2246, 2588, 2991, 3187, 4062
ORBIT: 84, 109, 3783, 4116
ORBITAL NEOPLASMS: 109, 616, 3783, 4116
ORCHITIS: 1402, 2675, 4055
ORCIPRENALINE: 653, 2918, 3463
ORGAN CULTURE: 148, 176, 268, 533, 646, 1115, 1128, 1218, 1816, 1831, 2092, 2188, 2402, 2978, 3234, 3351, 3612, 3709, 3981, 4014
ORGAN SPECIFICITY: 116, 522, 755, 1038, 1476, 2090, 2314, 2993
ORGAN WEIGHT: 3, 97, 186, 204, 213, 243, 258, 270, 283, 286, 289-291, 422, 437, 507, 553, 572, 593, 596, 810, 620-621, 671, 683, 699, 705, 713, 781-782, 792, 798, 807, 858, 893, 901, 946, 963, 1005, 1010, 1106, 1138, 1183, 1283, 1286, 1299, 1303, 1306-1307, 1360, 1444, 1466, 1508, 1575, 1593, 1602-1604, 1627, 1648, 1653, 1658, 1681, 1693, 1786, 1795, 1909, 1937, 1961, 2001, 2157, 2160, 2198, 2212, 2232, 2268, 2355, 2357, 2399, 2475, 2562, 2806, 2653, 2665, 2671, 2683, 2713, 2779, 2796, 2817, 2821, 2836, 2886, 2907, 2930, 2972, 3005, 3011, 3014, 3019, 3055, 3057-3059, 3115, 3193, 3235, 3242, 3288, 3310, 3325, 3368, 3401, 3425, 3448-3449, 3451, 3500, 3510, 3529-3530, 3542, 3549, 3652, 3662-3663, 3672, 3674, 3677, 3682, 3686, 3720, 3742, 3757, 3788, 3796, 3819, 3861, 3869, 3904, 3945, 4024, 4076-4077, 4107, 4112, 4121
ORGANOIDS: 817, 1198, 1215, 1434, 2612, 2726, 2889, 3681, 4126
ORGANOMETALLIC COMPOUNDS: 1655
ORGANOPHOSPHORUS COMPOUNDS: 176, 836, 1637, 2282, 3083
ORGASM: 3920
ORIENTATION: 3794
ORNITHINE: 428, 1562, 2160, 3180
ORNITHINE CARBAMOYL- TRANSFERASE: 176, 570
OROTIC ACID: 120, 467, 515, 2499, 3111, 3986
ORTHODONTIC APPLIANCES: 1249
ORTHODONTICS, CORRECTIVE: 1249
ORTHOPEDIC FIXATION DEVICES: 504, 2407
ORTHOPEDICS: 3913
OSMIUM: 2774, 3656
OSMOLAR CONCENTRATION: 57, 238, 287, 512, 601, 619, 639, 766, 824, 871, 988, 1048, 1082, 1084, 1381, 1421, 1719, 1609, 2093, 2139, 2155-2156, 2173, 2387, 2432, 2557, 2568, 2580, 2584, 2707, 2958, 3050, 3092, 3144, 3234, 3309, 3330, 3404, 3477, 3710, 3806, 3855, 3944, 4048, 4063
OSMOSIS: 996, 1095, 2062, 2238, 3806
OSMOTIC FRAGILITY: 3092
OSMOTIC PRESSURE: 718, 2584, 3153, 3359
OSSIFICATION, PATHOLOGIC: 328, 1249, 1579
OSSIFICATION, PHYSIOLOGIC: 384, 1321, 1907
OSTEITIS: 4179
OSTEITIS DEFORMANS: 519, 873, 933, 989, 1238, 1456, 1772, 1883, 2016, 3638, 3951, 4170, 4201
OSTEITIS FIBROSA CYSTICA: 210, 827, 1973
OSTEOARTHRITIS: 1645, 2146, 2589, 3431
OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC: 1772
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 1772, 2523, 3188
OSTEOBLASTS: 722, 3964, 4040
OSTEOCHONDRITIS: 814, 3125
OSTEOCLASTS: 386, 1825
OSTEOCYTES: 388, 722, 3964
OSTEOGENESIS: 481, 1143, 1321, 1502, 2242, 2533, 3590, 3690, 3732, 3764, 4114
OSTEOGENESIS IMPERFECTA: 230, 977, 1261, 1579, 2002, 2808, 3105, 3472, 3507, 3562, 4056
OSTEOMA: 3294
OSTEOMALACIA: 205, 210, 332, 386, 1056, 1065, 1579, 1615, 2207, 2242, 2945, 3294, 3543, 4182
OSTEOMYELITIS: 1088, 1365, 1798, 2359
OSTEOPETROSIS: 599, 1074, 1162, 1261, 1363, 1579, 1607
OSTEOPOROSIS: 28, 126, 205, 210, 377, 403, 541, 704, 733, 759, 841, 873, 978, 1101, 1579, 1683, 1973, 2003, 2056, 2104, 2146, 2242, 2343, 2359, 2362, 2424, 2533, 2785, 2945, 3354, 3450, 3575, 3731, 4161, 4215
OSTEORADIONECROSIS: 4114
OSTEOSCLEROSIS: 873, 894, 924, 1363, 3507
OSTEOTOMY: 468, 2913
OTITIS EXTERNA: 1784, 2246
OTITIS MEDIA: 58
OTORHINOLARYNGOLOGIC DISEASES: 1709, 2246, 3468, 3887
OUABAIN: 659, 714, 718, 1041, 1470, 1633, 1643-1644, 1791, 1857, 1942, 2791, 3388, 3414, 3976, 4017, 4064
OVALBUMIN: 771, 2042, 2102, 2805, 3075, 3598, 4079
OVARIAN CYSTS: 439, 888, 1031, 1260, 1674, 2111, 2317, 2526, 2716, 2868, 3169, 3649, 3761, 3908
OVARIAN DISEASES: 140, 795, 808, 833, 1386, 1621, 1629, 1847, 2204, 2239, 2352, 2479, 3099, 3761, 3858
OVARIAN NEOPLASMS: 1, 22, 24, 27, 75, 81, 193, 269, 429, 622, 655, 665, 763, 843-844, 1023, 1087, 1124, 1160, 1279, 1285, 1292, 1334, 1469, 1570, 1580, 1618, 1621, 1638, 1756, 1804, 1824, 1847, 1953-1954, 1992, 2024, 2066, 2141, 2183, 2227, 2274, 2289, 2447, 2655, 2832, 2975, 3084, 3157, 3169, 3428, 3437, 3488, 3524, 3631, 3695, 3697, 3708, 3747, 3803, 3908, 3996, 4010, 4049, 4128
OVARY: 5, 13, 18, 47, 75, 96-97, 111, 117, 168, 182, 216, 228, 243, 268, 270, 273, 291, 390-391, 425, 429, 437, 456, 480, 509, 523, 578-579, 592-593, 603, 610, 613, 622, 625, 655, 663-664, 699, 713-714, 751, 796, 813, 829, 863, 879, 901, 937, 963, 1010, 1027, 1035, 1043, 1047, 1052, 1061, 1067, 1110, 1132, 1197, 1240, 1260, 1303, 1307, 1341, 1344, 1392, 1407-1408, 1424, 1454, 1469, 1492, 1500, 1588, 1602, 1617, 1648, 1660, 1665, 1691, 1693, 1725, 1733, 1765, 1784, 1797, 1804, 1816, 1822, 1847, 1849, 1868-1869, 1672, 1885, 1917, 1937, 1946, 1958, 2064-2066, 2157, 2182, 2196, 2257, 2294, 2317-2318, 2339, 2352, 2365, 2373-2374, 2459, 2464, 2479, 2506, 2514, 2545-2546, 2563, 2626, 2645, 2694-2696, 2701, 2710, 2712, 2725, 2741, 2753, 2777, 2795, 2833-2834, 2863, 2890-2891, 2904, 2926, 2952, 2975, 3005, 3031, 3055, 3060, 3093, 3111, 3147, 3225, 3236, 3240, 3259-3260, 3284, 3287, 3289, 3310, 3325, 3374, 3453, 3486, 3512, 3530, 3541, 3570, 3586, 3596, 3599, 3627, 3669, 3671, 3674, 3689, 3692, 3714, 3718, 3729, 3735, 3737-3738, 3745, 3757, 3760, 3807, 3866, 3868, 3981, 3993, 4013, 4019, 4021, 4049, 4064, 4066, 4086, 4106, 4155
OVIDUCTS: 803, 1269, 1693, 1885, 2805, 2891, 3075, 3389
OVULATION: 51, 86, 96, 103, 111, 117, 129, 142, 185, 214, 243, 273, 289, 306, 390-391, 434, 456, 523, 591, 610, 671, 795, 803, 914, 939, 943, 963, 993, 1010, 1017, 1028, 1035, 1094, 1151, 1164, 1181-1182, 1192, 1210, 1341, 1394, 1403, 1407, 1433, 1475, 1500, 1531, 1590, 1602, 1617, 1621, 1651, 1662-1663, 1763, 1610, 1852, 1868-1870, 1872, 1885, 1937, 1946, 2058, 2074-2075, 2135, 2257, 2351, 2372, 2489, 2514, 2599, 2695, 2704, 2712, 2715, 2777, 2787, 2791, 2819, 2863, 2891, 3041, 3078, 3100-3101, 3116, 3259, 3287, 3289, 3318, 3325, 3342, 3515-3516, 3552, 3570, 3586, 3626-3627, 3696, 3727, 3761, 3807, 3847, 3978, 3989, 4000, 4086, 4096-4097
OVUM: 240, 249, 286, 491, 1010, 1362, 1408, 1424, 1500, 1530, 1617, 1662, 1733, 1981, 2057-2058, 2074, 2157, 2340, 2385, 2411, 2464, 2545, 2644, 2701, 2753, 2787, 2819, 2891, 3037, 3236, 3321, 3369, 3375, 3459, 3689, 3724, 3759, 3926, 3978, 4066, 4071, 4097
OXADIAZOLES: 3569
OXALATES: 2236
OXANDROLONE: 390
OXAZOLES: 389, 714
OXIDATION-REDUCTION: 20, 79, 245, 568, 619, 654, 729, 859, 869, 1038, 1051, 1127, 1156, 1158, 1191, 1222, 1252-1254, 1293, 1377, 1387, 1482, 1727, 1916, 1921, 2021, 2143, 2186, 2189, 2293, 2402, 2438, 2441, 2538-2539, 2580, 2705, 2755, 2886, 3028, 3093, 3127, 3215, 3248, 3278, 3293, 3393, 3455, 3603, 3640, 3652, 3656, 3685, 3793, 3840, 3977, 3998, 4011, 4045
OXIDATIVE PHOSPHORYLATION: 45, 69, 581, 750, 1276, 1644, 1916, 2012, 2059-2060, 2175, 2406, 3511, 3776, 3873, 4017
OXIDATIVE PHOSPHORYLATION COUPLING FACTORS: 45
OXIDES: 3018
OXIDOREDUCTASES: 23, 301, 400, 553, 654, 752, 755, 875-876, 880, 923, 930, 983, 1128, 1216, 1233, 1466, 2055, 2143, 2341, 2632, 2934, 3027, 3640, 3690, 3716, 3748-3749, 3760, 3803, 3981, 3986
OXIDOREDUCTASES, N-DEMETHYLATING: 2243
OXIMES: 897, 1234, 2467, 3343, 3921, 4109
OXOTREMORINE: 2196
OXPRENOLOL: 973, 1676, 2132
OXYGEN: 5, 430, 654, 904, 995, 1442, 1501, 1988, 2012, 2270, 2332, 2376, 2746, 2866, 2884, 2965, 3435, 3551, 3640, 3704, 3786, 3840, 3941, 4051, 4059
OXYGEN CONSUMPTION: 32, 45, 92, 143, 200, 527, 588, 619, 662, 869, 988, 1005, 1034, 1041, 1075, 1079, 1191, 1318, 1420, 1488, 1633, 1875, 2012, 2175, 2354, 2356, 2438, 2486, 2606, 2658, 2700, 2754, 2866, 2994, 3058, 3063, 3091, 3360, 3493, 3511, 3541, 3725, 3736, 3840, 3923, 3941, 3975, 4017, 4045, 4102
OXYGEN INHALATION THERAPY: 694, 904, 2271, 2332, 3606, 4210
OXYGENASES: 730, 1156, 3271, 3667, 3840
OXYMETHOLONE: 390, 3740
OXYPHENBUTAZONE: 3182
OXYTETRACYCLINE: 1081, 3494, 3892
OXYTOCIN: 31, 71-72, 227, 288, 533, 615, 694, 775-777, 853, 994, 1227, 1264, 1275, 1340, 1367, 1439, 1587, 1766, 1777-1778, 1938, 2138, 2405, 2515, 2624, 2816, 3172, 3264, 3278, 3522, 3666, 3725, 3752, 3942, 4037, 4204
OYSTERS: 2835, 3520
OZONE: 3840
PACEMAKER, ARTIFICIAL: 651, 1230
PAIN: 442, 544, 989, 1094, 1272, 1734, 1979, 2294, 2255, 2285, 2468, 2550, 2881, 2904, 3168, 3237, 3420, 3763, 3881, 3949, 4164

PALATE: 572, 1537, 2422, 3281
PALEONTOLOGY: 2404, 2711, 2968
PALLADIUM: 2108
PALLIATIVE TREATMENT: 551, 912, 1279, 1564, 3856
PALMITIC ACID: 69, 568, 854, 1482, 1633, 3209, 3793, 4022
PALPATION: 111, 193, 1357, 1659, 2458, 3416
PANCREAS: 204, 457, 506, 547, 619, 656, 690, 884, 932, 1449, 1504, 1509, 1565, 1653, 1668, 1856, 2039, 2113, 2400, 2426, 2446, 2459, 3013, 3117, 3215, 3330, 3820, 3946, 4047, 4141
PANCREATECTOMY: 3117
PANCREATIC DISEASES: 538, 847, 932, 1682, 2536, 2750, 3082, 3088, 3443, 3572
PANCREATIC DUCTS: 2750
PANCREATIC JUICE: 204, 1565, 3330
PANCREATIC NEOPLASMS: 83, 1580, 1705, 2097, 2750, 3088, 3188, 3572, 4194
PANCREATITIS: 76, 932, 1565, 1856, 2455, 2536, 2750, 3088, 3572, 3854, 4162
PANCREOZYMIN: 457, 656, 3958
PANCURONIUM: 63, 225, 264, 411, 1169, 1501, 1794, 1630, 1965, 2672
PANTOTHENIC ACID: 2530, 3281
PAPAIN: 2569, 2884, 3961
PAPAVERINE: 77, 1326, 3315
PAPILLARY MUSCLES: 241, 3782
PAPILLEDEMA: 1526
PAPILLOMA: 1065
PARABENS: 1220
PARABIOSIS: 438
PARAFFIN: 846, 2094
PARAGANGLIOMA, NONCHROMAFFIN: 3481
PARA-INFLUENZA VIRUSES: 1976
PARALYSIS: 515, 1000, 2176, 3399
PARALYSIS, SPASTIC: 2998
PARAMETHASONE: 3971
PARAMETRITIS: 3849
PARAMYXOVIRUSES: 4075
PARAOXON: 897
PARAPLEGIA: 2229, 2998, 3298
PARASITE EGG COUNT: 349, 2604, 2742
PARASYMPATHETIC NERVOUS SYSTEM: 457, 1352, 2300, 2784, 3637
PARASYMPATHOLYTICS: 42, 325, 526, 632, 1380, 1409-1410, 1413, 1717, 1720, 2030, 2915, 3237, 3612, 3805, 4211
PARASYMPATHOMIMETICS: 1380, 3812
PARATHION: 524
PARATHYROID DISEASES: 275, 847
PARATHYROID GLANDS: 40, 58, 186, 317, 321, 328, 422, 538, 881, 1060, 1141, 1369, 1397, 1616, 1825, 1856, 1994, 2307, 2399, 2436, 2617, 2714, 2735, 2974, 3056-3057, 3352, 3597, 3755, 3964
PARATHYROID HORMONE: 52, 130, 133, 185, 210, 232, 307, 328, 542, 676, 932, 1141, 1227, 1397, 1565, 1825, 1994, 2087, 2269, 2292, 2383, 2617, 2768, 2772, 2923, 2977, 3130, 3351, 3763, 3822, 3958, 3964
PARATHYROID NEOPLASMS: 275, 317, 563, 827, 947, 1369, 1585-1586, 1812, 2241, 2383, 2591, 3328, 3427, 3597, 3857
PARENT-CHILD RELATIONS: 1754, 2532
PARENTERAL FEEDING: 816
PARENTS: 1959, 3297
PARESIS: 2714
PARGYLINE: 394, 1328
PARIS: 3291
PARITY: 73, 278, 419, 442, 671, 990, 1002, 1287, 1510, 1863, 2352, 2515, 2914, 3239, 3418, 3486, 3523, 3725, 3747, 3798, 3962, 4037
PARKINSONISM: 973, 3206, 3370, 3407, 3420, 3754, 4171-4172
PAROTID GLAND: 1163, 1175, 1694, 3013, 4047
PAROTID NEOPLASMS: 906
PAROTIN: 69, 2025-2029, 2661
PAROVARIAN CYST: 3169
PARTIAL PRESSURE: 1613, 2270, 2965, 3786
PASSIVE TRANSFER: 242, 3136
PATELLA: 2569
PATERNITY: 180
PATHOLOGY: 1085
PATHOLOGY, ORAL: 1670
PATIENT CARE PLANNING: 1032, 3762
PATIENT CARE TEAM: 1539
PATIENTS: 477
PECTORALIS MUSCLES: 2123
PEDIATRICS: 2532
PEDIGREE: 235, 528, 770, 1065, 1310, 1522, 1585-1586, 1645, 1711, 1849, 1856, 2002, 2022, 2190, 2311, 2349, 2461, 2582, 2998, 3294, 3979
PEER GROUP: 1792
PELLAGRA: 408
PELVIC BONES: 105, 519, 599, 873, 2424, 2741
PELVIC NEOPLASMS: 1674, 2227
PELVIS: 1261, 1357, 1640, 2255, 3599
PEMPHIGUS: 644, 1296, 2422, 3545, 3613, 3787, 4172
PEMPIDINE: 2456
PENICILLAMINE: 907, 1055, 2509, 2977
PENICILLIN: 974, 1088, 2256
PENICILLIN G: 455
PENILE DISEASES: 985, 4198
PENILE NEOPLASMS: 3947
PENIS: 985, 1425, 1596, 2821, 3232, 3374, 3888, 3925
PENNSYLVANIA: 1792
PENTAGASTRIN: 1338
PENTOBARBITAL: 515, 638, 993, 1068, 1267, 1838, 2243, 2790, 2819, 4069
PENTOSEPHOSPHATES: 1620, 2296, 2564
PENTOSES: 1620
PENTOSYLTRANSFERASES: 860, 1711, 2296, 2563, 3336, 3986
PEPSIN: 90, 360, 2103, 2293, 2312, 2441, 2557, 2614, 2915, 3645, 4095, 4119
PEPTIC ULCER: 317, 510, 1056, 2661, 2915, 3072, 3099, 3645, 3929
PEPTIC ULCER HEMORRHAGE: 1926
PEPTIC ULCER PERFORATION: 3616
PEPTIDE CHAIN INITIATION: 2805
PEPTIDE CHAIN TERMINATION: 2823
PEPTIDE HYDROLASES: 493, 1368-1367, 1419, 2050, 2557, 3184
PEPTIDE PEPTIDOHYDROLASES: 2154
PEPTIDES: 90, 130, 413, 457, 542, 688-689, 751, 785, 784, 789, 1020, 1038, 1088, 1158, 1164, 1332, 1394, 1440, 1554, 1695, 1727, 1775, 1828, 1885, 1970, 2087, 2103, 2197, 2293, 2383, 2399, 2810, 2894, 3028, 3080, 3172, 3215, 3402, 3616, 3680, 4095
PEPTIDOGLYCAN: 1828
PEPTONES: 1650
PERCHLORIC ACIDS: 134, 502, 1092, 1518, 2238
PERFUSION: 135, 189, 292, 556, 980, 1088, 1217, 1232, 1381, 1574, 1759, 1986, 2303, 2409, 2453, 2501, 2587, 2607, 2674, 2746, 2797, 3194, 3541, 3561, 3704, 3799, 3843, 3896
PERIARTERITIS NODOSA: 2465, 3613, 4167
PERICARDIAL EFFUSION: 847, 1342, 3546
PERICARDITIS: 1342
PERICARDITIS, CONSTRICTIVE: 3341, 3546
PERIMETRY: 1148
PERINEUM: 1341, 4000
PERIODIC ACIDS: 161, 1051
PERIODICITY: 462, 680, 943, 1132, 1726, 1834, 2389, 2792, 2966, 3372, 3552, 3927
PERIODONTAL DISEASES: 1973, 3312
PERIODONTAL INDEX: 3312
PERIODONTITIS: 254, 974, 1374, 1487
PERIOSTEUM: 2664
PERIOSTITIS: 1772
PERIPHERAL NERVE DISEASES: 2159, 2488, 3157, 3811
PERIPHERAL NERVES: 2703, 4042
PERITONEAL CAVITY: 1325, 1821, 2259, 2725, 2832, 3065
PERITONEAL DIALYSIS: 538, 1046, 1808
PERITONEAL NEOPLASMS: 1279, 3299
PERITONEOSCOPY: 439
PERITONEUM: 1814, 1955, 2459, 3277, 3559
PERITONITIS: 1902, 2116, 3216, 3943
PERMEABILITY: 549, 619, 2062, 2747, 3371, 3397
PEROXIDASES: 492, 502, 770, 941, 1463, 2312, 2442, 2894, 3559, 3840, 4036
PEROXIDES: 49, 1463, 1921, 2438, 3175, 3840
PERPHENAZINE: 2206
PERSONALITY: 3321, 3719
PERSONALITY DEVELOPMENT: 3719
PERSONALITY DISORDERS: 206, 733, 838
PERTUSSIS VACCINE: 2603, 3154
PESSARIES: 1357, 1493
PESTICIDES: 1322, 2542
PETROLEUM: 3355
PEUTZ-JEGHERS SYNDROME: 1065
PEYER'S PATCHES: 1283, 1536, 2297
PHAGOCYTOSIS: 405, 1082, 1400, 1425, 1839, 1890, 1975
PHARMACEUTIC AIDS: 1385
PHARMACOGENETICS: 3281
PHARMACOLOGY: 2513
PHARMACOPOEIAS: 4211
PHARYNGEAL DISEASES: 905, 1738, 3597
PHARYNGITIS: 1630, 2248
PHARYNX: 15, 264, 564, 1095, 1738, 3228, 3739
PHENANTHRIDINES: 2969
PHENAZINES: 3040
PHENAZOCINE: 2876
PHENETHANOLAMINE N-METHYLTRANSFERASE: 1760
PHENETHYLAMINES: 1172, 2040, 2541, 3991
PHENFORMIN: 52, 4112
PHENOBARBITAL: 23, 298, 1156, 1403, 1602, 2243, 2315, 2891, 2704, 2758, 2876, 3224, 4082, 4097
PHENOLS: 286, 467, 794, 1327, 1594, 1740, 1753, 2142, 2209, 2212, 3104, 3231, 3515, 3713, 3840, 4064, 4096
PHENOPERIDINE: 1501
PHENOTHIAZINE TRANQUILIZERS: 4203
PHENOTHIAZINES: 40, 1130, 2530, 4203
PHENOTYPE: 198, 285, 362, 451, 936, 976, 1228, 1443, 1849, 1949, 2015, 2114, 2478, 2487, 2677, 3295, 3362, 3623, 3729, 3745, 4024, 4150
PHENOXYBENZAMINE: 64, 124, 159, 189, 342, 823, 903, 2784, 3741, 3843, 4111
PHENTOLAMINE: 64, 125, 148, 853, 903, 1331, 1338, 1584, 2301, 2456, 2691, 3208, 3257, 3647, 3758, 3781, 4136
PHENYLACETATES: 404, 459, 562, 1396, 3705, 3895, 4211
PHENYLALANINE: 545, 941, 2283, 2324, 2825, 2971, 3991
PHENYLALANINE HYDROXYLASE: 2283-2284
PHENYLBUTAZONE: 923, 1180, 1990, 2642, 2788, 3158, 3322, 3667, 3988
PHENYLEPHRINE: 12, 78, 821, 3208, 3561, 3607, 3664
PHENYLHYDRAZINE: 401, 718, 836, 1038, 2406
PHENYLKETONURIA: 2825, 3839
PHEOCHROMOCYTOMA: 87, 83, 132, 412, 573, 973, 1330, 1585-1586, 1896, 1757, 2136, 2254, 2436, 2503, 2549, 2629, 2909, 3069, 3098, 3384, 3500, 3924, 3947, 3952, 3999, 4023
PHEROMONES: 2460
PHLEBITIS: 990, 1526, 3322
PHLEBOGRAPHY: 640, 672, 2187, 2929, 3722
PHLORETIN: 2427, 3508, 3598
PHONOCARDIOGRAPHY: 3123
PHOSPHATASES: 172, 474, 499, 645, 858, 1278, 1951, 2028, 2173, 2916, 3364, 3690, 3902, 4142
PHOSPHATES: 292, 307, 328, 506, 563, 819, 648, 660, 693, 949, 1046, 1141, 1238, 1456, 1518, 1813, 1918, 2012, 2031, 2137, 2139, 2253, 2327, 2494, 2718, 2952, 3051, 3159, 3284, 3352, 3403, 3736, 3782, 3795, 3827, 3857, 3911, 3926, 4140, 4182
PHOSPHINIC ACIDS: 1717
PHOSPHOCREATINE: 1079, 1470, 1518, 3632, 3785
PHOSPHODIESTERASES: 11, 85, 77, 147, 385, 487, 542, 669, 743, 897, 1220, 1276, 1326, 1509, 1554, 1636, 1646, 1952, 2482, 2513, 2844, 2897, 2961, 3012, 3079, 3181, 3221, 3283, 3305, 3315-3318, 3364, 3387, 3710, 3781, 3815, 4002, 4087
PHOSPHOENOLPYRUVATE: 1554
PHOSPHOENOLPYRUVATE CARBOXYKINASE: 52, 1910
PHOSPHOFRUCTOKINASE: 153, 2012, 2350, 2358, 3451, 4022
PHOSPHOGLUCOMUTASE: 3243
PHOSPHOGLUCONATE DEHYDROGENASE: 2789, 3242, 3401
PHOSPHOGLYCERATE KINASE: 2356, 3015
PHOSPHOINOSITIDES: 817, 1842, 3766
PHOSPHOLIPASE: 2113, 3977, 4068
PHOSPHOLIPIDS: 100, 527, 568, 817, 840, 930, 969, 1091, 1159, 1701, 1729, 1841-1842, 1939, 2324, 2755, 2955, 3117, 3171, 3209, 3447, 4068
PHOSPHONIC ACIDS: 1326, 1717, 2020
PHOSPHOPROTEINS: 879, 871, 2173, 2310, 3878, 3902, 4048, 4063, 4142
PHOSPHOPYRUVATE HYDRATASE: 3015
PHOSPHORIC ACIDS: 1318, 2069, 3144
PHOSPHORUS: 66, 186, 209, 292, 317, 389, 415, 441, 476, 484, 497, 538, 541, 619, 660, 878, 683, 696-697, 736, 827, 959, 989, 1083, 1102, 1397, 1401, 1442, 1615, 1714, 1791, 1832, 1916, 1933, 1979, 2307, 2494, 2617, 2819-2620, 2714, 2718, 2829, 2945, 3051, 3100, 3164, 3230, 3304, 3354, 3774, 3827, 3897
PHOSPHORUS ISOTOPES: 100, 116, 330, 441, 481,

484, 534, 581, 832, 838, 897, 1054, 1127, 1200, 1702, 1791, 1939, 2021, 2089, 2188, 2412, 2444, 2540, 2565, 2724, 2755, 2871, 2918, 3144, 3183-3184, 3305, 3403, 3520, 3783, 3788, 3778, 3781, 3835, 3928, 3975, 4083
PHOSPHORUS METABOLISM DISORDERS: 1882
PHOSPHORYLASE KINASE: 893, 1752, 2310, 3339, 3391, 4142
PHOSPHOTRANSFERASES: 116, 178, 581, 858, 887, 810, 838, 871, 897, 968, 1181, 1200, 1702, 1752, 1857, 1911, 2021, 2089, 2214, 2310, 2341, 2444, 2469-2470, 2482, 2590, 2959, 3013, 3015, 3144, 3163-3164, 3339, 3391, 3788, 3778, 3785, 4083, 4083
PHOSPHOTUNGSTIC ACID: 1807
PHOTIC STIMULATION: 792, 1431, 1803, 2882
PHOTOCHEMISTRY: 2538
PHOTOGRAPHY: 1572
PHOTOMETRY: 48, 377, 423, 541, 910, 1983, 2191, 2774, 3273, 3800
PHOTORECEPTORS: 1127, 1431, 2310, 2553, 3283
PHOTOSENSITIZATION: 967, 1703, 2828, 3307
PHOTOSYNTHESIS: 2103
PHTHALIC ACID: 389
PHYCOMYCETES: 3483
PHYSICAL EXAMINATION: 1357
PHYSICAL FITNESS: 2386
PHYSICAL STIMULATION: 744, 937, 1630, 3135, 4089
PHYSICAL THERAPY: 1745, 2477, 2989, 3043
PHYSICIAN-PATIENT RELATIONS: 2429, 2532
PHYSIOLOGY, COMPARATIVE: 464, 939, 1425, 1782
PHYSOSTIGMINE: 921, 1097, 1719, 2137
PHYTOMITOGENS: 779, 4084
PHYTOSTEROLS: 3483
PICOLINIC ACIDS: 1977
PICORNAVIRUS: 1797
PIGEONS: 87, 1191, 1431, 1943, 2326, 2754, 3088, 3828
PIGMENTATION: 1319, 2144, 2530, 3892
PIGMENTATION DISORDERS: 7, 379, 448, 1385, 1445, 1703, 1617, 2144, 3307, 3405, 4008
PIGMENTS: 1817, 3409, 3688
PILOCARPINE: 2149, 2198, 2624, 3419
PILOERECTION: 2641
PILOT PROJECTS: 49, 477, 2450, 2872
PINDOLOL: 973, 2132
PINEAL BODY: 148-149, 268, 354, 399-400, 801, 848, 875-878, 1138, 1233, 1298, 1389, 1555, 1803, 1725, 1884, 2553, 2652, 2907, 3055-3057, 3059, 3145, 3208, 3525, 3688, 3893, 3748-3750, 3819, 3905
PINEALOMA: 1184, 2250, 2730, 2852
PINOCYTOSIS: 493, 877, 1494, 1788, 3559
PIPERAZINES: 735, 1648, 1712, 2282
PIPERIDINES: 1192, 1852, 1897, 3705, 4138, 4211
PITUITARY-ADRENAL FUNCTION TESTS: 292, 412, 486, 688, 825, 985, 1423, 1868, 2013, 2328, 2850, 2973, 3131
PITUITARY-ADRENAL SYSTEM: 188, 292, 482, 484, 513, 888, 807, 940, 1838, 2650, 2689, 2798, 2623, 3191, 3323, 3340, 3547, 3885, 3874, 4147
PITUITARY DISEASES: 208, 283, 496, 1225, 2158, 2248, 2850, 3893, 4188
PITUITARY GLAND: 103, 138, 142, 167-168, 171, 173, 161-182, 243, 270, 287, 295, 355, 376, 388, 431, 437, 441, 447, 459-460, 483, 512-513, 591, 601, 870-671, 707, 710, 713, 721, 725, 747-748, 789, 797, 807, 613, 828-629, 839, 865, 891, 908, 932, 937, 945, 983, 970, 1043, 1060, 1130, 1225, 1255, 1298, 1317, 1332, 1343, 1383, 1388, 1414, 1432, 1506, 1524, 1530, 1578, 1803, 1643-1644, 1849, 1715, 1728, 1764, 1795, 1838, 1877, 1906, 1909, 1938, 1961, 1969, 2054, 2070, 2154, 2180, 2198, 2287, 2318, 2329-2330, 2378, 2382, 2408, 2417-2416, 2425, 2442, 2448, 2506, 2508, 2812, 2828, 2850, 2853, 2684, 2690, 2694-2695, 2704, 2709, 2712, 2724, 2755, 2760, 2762, 2840, 2850, 2858, 2896, 2899-2900, 2907, 2928, 2971-2972, 2991, 3019, 3045, 3055, 3059, 3082, 3077, 3109, 3115, 3117, 3124, 3165, 3255-3258, 3259, 3282, 3291, 3309-3310, 3333, 3340, 3395-3398, 3398, 3407, 3415, 3439, 3449, 3454, 3458, 3550, 3553, 3558, 3583, 3588, 3594, 3626-3627, 3889, 3873-3674, 3877, 3757, 3817, 3848, 3883, 3884, 3919, 3923, 4005, 4039, 4072, 4078, 4088, 4099, 4130, 4155
PITUITARY GLAND FUNCTION TESTS: 56, 140, 586, 1276, 1649, 2384, 2850, 3289, 3548, 3837, 4186
PITUITARY GLAND IRRADIATION: 263, 985, 2295, 2783, 2933, 3578, 4008
PITUITARY GLAND, POSTERIOR: 57, 102, 238, 402, 499, 601, 631, 793, 797, 809, 968, 998, 2155, 2167, 2357, 2853, 2707, 2941, 2982, 3583, 3942
PITUITARY HORMONE RELEASING FACTORS: 102-103, 142, 218, 248, 413, 425, 751, 784, 789, 1088, 1164, 1227, 1283, 1343, 1388, 1394, 1574, 1764, 1775, 1852, 1930, 1943, 2037, 2250, 2329-2330, 2442, 2484, 2823, 2634, 2704, 2739, 2782, 2928, 3048, 3207, 3258-3259, 3289, 3454, 3873, 3683, 3834, 3847-3848, 4088, 4099, 4130
PITUITARY HORMONES: 23, 388, 901, 1227, 1943, 2218, 2923, 3055, 3594, 4097
PITUITARY HORMONES, ANTERIOR: 288, 1893, 2037, 3206, 3958
PITUITARY HORMONES, POSTERIOR: 4028, 4119
PITUITARY NEOPLASMS: 378, 446, 501, 607, 906, 1130, 1148, 1183, 1208, 1225, 1388, 1414, 1892, 1713, 1852, 1978, 2077, 2193, 2250, 2260, 2417, 2584, 2781, 2853, 2997, 3510, 3693, 3722, 3919, 3938, 4008
PLACEBOS: 487, 788, 957, 1190, 1781, 1982, 2078, 2149, 2415, 2624, 2849, 3237, 3370, 4112, 4174
PLACENTA: 17, 59-60, 68, 88, 242, 259, 309, 397, 481, 488, 507, 545, 588, 642, 892, 750, 845, 1022, 1106, 1203, 1216, 1229, 1273, 1290, 1358, 1391, 1504, 1566-1587, 1866, 1688, 1734, 1739, 1781, 1844, 1863, 1879, 1901, 1955, 2043, 2055, 2092, 2198, 2401, 2510, 2570, 2688, 2747, 2751, 2797, 2927, 3063, 3097, 3122, 3174, 3178, 3244, 3382, 3393, 3480, 3484, 3609, 3640, 3704, 3759, 3861, 3938, 3982, 3982, 4021, 4047, 4051, 4053
PLACENTA DISORDERS: 41, 59-60, 88, 272, 310, 503, 507, 818, 890, 1106, 1272, 1288-1289, 1540, 1552, 1813, 1739, 1827, 2280, 2510, 3052, 3178, 3229, 3477, 3838, 3982
PLACENTA PRAEVIA: 41, 2381
PLACENTAL EXTRACTS: 242, 487, 579, 2198
PLACENTAL HORMONES: 1505, 1891, 2068, 3759, 3953
PLACENTAL LACTOGEN: 311, 1587, 1691, 1739, 1879, 2875, 3288, 3456, 3682, 3759, 3880
PLANT AGGLUTININS: 493, 517, 602, 779, 855, 952, 1468, 1740, 2450, 3064-3065, 3198, 3286, 3668, 3745, 4084
PLANT DISEASES: 3694
PLANT EXTRACTS: 2969, 3626, 3705, 3816
PLANT GROWTH REGULATORS: 3818
PLANT POISONING: 1088, 1504
PLANT PROTEINS: 1073
PLANTS: 249, 2050, 2580, 2969, 3559
PLANTS, EDIBLE: 858, 2959
PLANTS, MEDICINAL: 3826, 3705
PLAQUE ASSAY: 2288, 2505
PLASMA: 1381, 2858, 2666, 2878, 3434, 4072, 4157
PLASMA CELLS: 492, 1670, 2870, 3688, 3836
PLASMA SUBSTITUTES: 163, 1046
PLASMA VOLUME: 2893, 3608
PLASMACYTOMA: 2375, 3241
PLASMAPHERESIS: 2333
PLASMINOGEN: 194-195
PLASTICS: 1680, 2849
PLATELET ADHESIVENESS: 393, 1483, 1519, 1614, 2485, 2602, 3219, 3249, 3808, 3968-3969, 4026, 4112, 4157
PLATINUM: 1823, 3018
PLEURA: 1325
PLEURAL DISEASES: 3341
PLEURAL EFFUSION: 746, 1281, 1342, 3341, 3996
PLEURAL NEOPLASMS: 1564
PLEURISY: 1281, 3102
PLUTONIUM: 2660, 3143
PNEUMOCOCCAL INFECTIONS: 2917
PNEUMOENCEPHALOGRAPHY: 257, 283, 1497, 2850, 3938
PNEUMOMEDIASTINUM, DIAGNOSTIC: 258, 2733
PNEUMONECTOMY: 2561
PNEUMONIA: 220, 894, 1756, 1808, 3072, 3614, 3992
PNEUMONIA, ASPIRATION: 874, 4214
PNEUMONIA, INTERSTITIAL PLASMA CELL: 904
PNEUMONIA, VIRAL: 2722
PNEUMOPERITONEUM, ARTIFICIAL: 1640, 1964, 2362, 2459
PNEUMOTHORAX: 258, 2045
PODOPHYLLIN: 2163, 2414, 4159
POISONING: 465, 674, 1231, 1299, 2054, 3282, 3895
POLAROGRAPHY: 662
POLIOMYELITIS: 2481
POLLEN: 569, 3334, 4080
POLY I-C: 958, 1860
POLY U: 879
POLYAMINES: 1562, 3180
POLYCYCLIC COMPOUNDS: 1128, 2463
POLYCYTHEMIA: 3577
POLYCYTHEMIA VERA: 763, 2871, 3835
POLYETHYLENES: 203, 1621, 2423, 4202
POLYMERS: 1429, 1623, 3913
POLYMORPHISM (GENETICS): 68, 387, 424, 754, 1257, 2185, 3379
POLYNEURITIS: 1004, 1464, 3353
POLYNUCLEOTIDE PHOSPHORYLASE: 3339
POLYNUCLEOTIDES: 474
POLYOMA VIRUS: 493, 3479
POLYPLOIDY: 4, 464, 1662, 3424, 3714
POLYPS: 24
POLYRADICULITIS: 1996, 2430
POLYRIBOSOMES: 25, 621, 1018, 1562, 2050, 2499, 3075, 3329, 3415, 3792, 3852
POLYSACCHARIDES: 1112, 1607, 2039, 2247, 2342, 2583, 2719, 2836, 2884, 3143, 3520, 4047
POLYURETHANES: 2522
POLYURIA: 3291
POLYVINYL ALCOHOL: 1699
POLYVINYLPYRROLIDONE: 958, 1493
POLYVINYLS: 1899
POMPHOLYX: 244
PONS: 752, 1382, 1447, 1511, 1938, 2122, 2275, 2505, 2641, 2852, 2985, 3473, 3499, 4088
POPULATION CONTROL: 1547, 3201, 3514
POPULATION GROWTH: 3201
PORPHYRIA: 987
PORPHYRINS: 987, 3080
PORTACAVAL ANASTOMOSIS: 1575
PORTAL SYSTEM: 2567
PORTAL VEIN: 11, 139
POSITIVE-PRESSURE RESPIRATION: 280, 2045, 2271, 3139
POSTGASTRECTOMY SYNDROMES: 1056
POSTOPERATIVE CARE: 110, 177, 263, 548, 1292, 2667, 3432, 4091
POSTOPERATIVE COMPLICATIONS: 15, 110, 177, 263, 266, 321, 368, 746, 850, 874, 904-906, 985, 1053, 1056, 1144, 1369, 1575, 1908, 1974, 2044-2045, 2255, 2378, 2494, 2536, 2710, 2763, 2864, 2933, 2964, 3125, 3182, 3218, 3314, 3535, 3540, 3599, 3768, 3775, 3856, 3881, 4015, 4058, 4129
POSTPERICARDIOTOMY SYNDROME: 746
POSTURE: 737, 780, 2045, 2048, 2575, 2725, 2794, 2968, 3917, 3962, 4118, 4135, 4147
POTASSIUM: 2-3, 11, 154, 169, 209, 215, 363, 381, 478, 500, 512, 514, 520, 577, 601, 687, 897, 718, 737, 741, 786, 824, 910, 964, 968, 970, 989, 1021, 1046, 1050, 1083-1084, 1098, 1113, 1123, 1125, 1127, 1168, 1422, 1431, 1442, 1633, 1719, 1773, 1791, 1829, 1857, 1888, 1906, 1942, 1957, 1972, 1995, 1998, 2017, 2032, 2048, 2093, 2153, 2178, 2267, 2382, 2397, 2432, 2462, 2516-2519, 2558, 2568, 2646, 2658, 2681, 2788, 2790, 2803, 2885, 2994, 2996, 3002, 3035, 3057, 3090, 3092, 3144, 3148, 3159, 3174, 3179, 3193, 3288, 3304, 3330, 3350, 3360, 3419, 3475, 3493, 3509, 3549, 3561, 3609, 3617, 3633, 3701-3702, 3800, 3885, 4003, 4017, 4040, 4048, 4101
POTASSIUM CHLORIDE: 19, 158, 561, 1084, 2247, 2593, 3247, 3344, 3360, 3388, 3609, 3782, 4085
POTASSIUM DEFICIENCY: 253, 1125
POTASSIUM IODIDE: 300, 2272, 3335, 3824
POTASSIUM ISOTOPES: 3419
POTENTIOMETRY: 854
POULTRY: 1181
POULTRY DISEASES: 4, 2282, 3157
POVERTY: 3418
POVIDONE-IODINE: 1493
POWDERS: 3218, 4028
POXVIRUS: 3254
PRALIDOXIME COMPOUNDS: 766
PRASEODYMIUM: 2727
PREANESTHETIC MEDICATION: 564, 1212, 1676, 2790, 3306
PRECANCEROUS CONDITIONS: 122, 2260, 3281, 3302, 3850
PRECIPITATION: 79, 161, 239, 1326, 1414, 1646, 1686, 1828, 2287, 2616, 2633, 2902, 2971, 2993, 3005, 3033, 3278, 3369, 3532, 3785, 3880
PRECIPITIN TESTS: 176, 1170, 1286, 2042, 2525, 3433, 3563, 3826

RECIPITINS: 1288
REDIABETIC STATE: 1042, 2775, 3421, 3517
REDNISOLONE: 76, 95, 155, 218, 221, 277, 290, 368, 475, 823, 868, 705, 848, 855, 887, 907, 997, 1066, 1281, 1316, I344-1345, 1381, 1417, 1502, 1528, 1589, 1783, 1898, 1902, 1906, 1910, 2149, 2172, 2218, 2261, 2485, 2496, 2519, 2536, 2749, 2788, 2949, 3162, 3234, 3274, 3355, 3438, 3444, 3485, 3587, 3595, 3625, 3705, 3795, 3823, 3829, 3889, 4018
REDNISOLONE, TOPICAL: I487, 3322, 3482
REDNISONE: 80, 160, 217, 257, 281, 323, 363, 477, 490, 537, 550, 552, 566, 582, 584, 706, 715, 748, 818, 834, 868, 886-887, 904, 944, 1004, 1053, 1104, 1133, I139-1140, 1155, 1171, 1199, 1280, 1300, 1323, 1417, 1438, 1468, 1472, 1474, 1528, 1601, 1810, 1806, 1822, 1882, 1904, I986, 1990, 1998, 2004, 2098, 2107, 2138, 2180, 2245, 2333, 2375, 2405, 2422, 2449, 2496, 2500, 2559, 2685, 2897, 2702, 2783, 2789, 2809, 2827, 2837, 2839, 2841, 2898, 290I, 2912, 2948, 2981, 2967, 3086, 3182, 3185-3188, 3197-3196, 3218, 3274, 3281, 3298, 3312, 3335, 3435, 3438, 3545-3546, 3555, 3587, 3614, 3740, 3779, 3814, 3874, 3883, 3943, 3950, 3990, 4015, 4091, 4133
REGNADIENES: 220, 449, 994, I304, 1411, 2098, 3872, 3949, 3989, 4031, 4123
REGNANCY: 1, 14, 17, 23, 3I, 34, 41, 59-80, 68, 71-73, 79, 88, 88, 91, 93, 111, 152, 157, 176, 196, 200, 227-228, 239, 242, 272, 278, 285-286, 288-289, 296, 306-307, 310, 315, 357, 379, 396, 415, 418-421, 425, 434, 436, 442-443, 453, 458, 458, 471, 461-482, 486, 491, 495, 503, 507, 516, 518, 544, 553, 558, 564-565, 573, 569, 609, 616, 624, 830, 847, 649, 655, 663-664, 671, 681, 684, 692, 710, 724, 732, 775-776, 767, 791, 607-606, 619, 826, 645, 852-853, 663-864, 884, 868, 890, 916, 925, 926, 934, 939, 946, 980, 987, 990, 994-995, 1001-1002, 1010, 1017, 1022, 1027, 1037, I040, 1042, 1050, I056, 1070, I073, 1063, 1092, 1103, 1106, 1108, 1115, 1131, 1160, 1185-1166, 1191-1192, 1201, 1203, 1216, 1229, 1256, 1266, 1272-1273, 1275, 1265, 1266-1269, 1294-1295, 1297, 1309, 1314, 1334, 1358-1359, 1373, 1389, 1391, I398, 1407, 1433, 1439, 1445, 1450, 1461, 1493, 1495, 1498, 1504-1505, 1507, 1510, 1514, 1520, 1523, 1530-1531, 1540-1541, 1546-1547, 1552, 1557, 1563, 1566-1567, 1577, 1562-1563, 1587, I590, 1602, 1606, 1613, 1815, 1625, 1627, 1629, 1641, 1654, 1859, 1666, 1671, 1686, 1686, 1890-1891, 1697, 1703, 1734, 1739, 1750, 1754, 1761, I766, 1776, 1779, 1792, 1826-1827, 1631, 1633, I636, 1643-I646, 1658, 1663, 1871-1672, 1679, 1685, 1869, 1691, I900-1901, 1910, 1917, 1931, 1933, 1949, 1959, 1984, 2005, 2012, 2043, 2047, 2055, 2057-2058, 2064, 2079-2080, 2069, 2094-2095, 2097, 2110, 2114, 2125-2126, 2130, 2144, 2152, 2157, 2164, 2174, 2194, 2196, 2204, 2208, 2226, 2234, 2263, 2277, 2280, 2295, 2304-2306, 2339, 2351, 2380, 2381, 2393, 2401, 2411, 2423, 2432, 2437, 2449, 2452, 2454, 2468, 2475, 2480, 2483, 2502, 2506, 2510, 2515, 2532, 2543, 2547, 2557, 2570, 2575, 2589, 2596-2597, 2606, 2611, 2824, 2645, 2661, 2665, 2686-2687, 2712, 2715-2716, 2721, 2741, 2747, 2753, 2764, 2779, 2763, 2769, 2797, 2799, 2804, 2612, 2823, 2828, 2830, 2847, 2851, 2668, 2673, 2675, 2860, 2890, 2904-2905, 2914, 2916, 2920-2921, 2930, 2932, 2946, 2952, 2958
2958, 2960, 2964, 2974, 3003, 3022, 3029, 3052, 3081, 3067, 3092, 3098-3097, 3100, 3122, 3142, 3150, 3168-3169, 3174, 3176, 3160, 3166, 3201, 3229, 3238, 3238, 3244, 3266, 3273, 3287-3288, 3298, 3301, 3316, 3321, 3328, 3336, 3349, 3358, 3372-3373, 3375, 3376, 3382, 3393, 3398, 3416, 3430, 3454, 3458, 3469, 3477-3476, 3484, 3486-3487, 3491, 3506, 3514, 3523, 3530, 3538, 3558, 360I, 3609, 3611, 3616, 3624, 3640, 3646, 3654, 3659, 3668, 3675, 3876, 3682, 3698, 3704-3705, 3725, 3744, 3751, 3759-3762, 3785, 3768, 3772, 3776, 3768-3789, 3796, 3798, 3838, 3846, 3848, 3861, 3864, 3863, 3915, 3922, 3928, 3933, 3936-3937, 3962, 3971, 3974, 3982, 3988, 4009, 4019, 4021, 4032, 4037, 4047, 4049, 4051, 4053, 4061-4062, 4065-4066, 4069, 4107, 4119, 4121, 4123, 4129, 4155, 4159-4180, 4169, 4166, 4197, 4199-4200, 4203
REGNANCY, ANIMAL: 5, 296, 396, 565, 572, 589, 663-664, 732, 775, 607, 628, 663, 876, 987, 994, 1496, 1530, 1577, 1602, 1828, 1782, 1658, 1917, 2064, 2I10, 2198, 2226, 2277, 2589, 2930, 2952, 3150, 3160, 3236, 3286, 3506, 3530, 3538, 3811, 3824, 3682, 3765, 3787, 3988, 4013, 4061, 4066, 4155
PREGNANCY COMPLICATIONS: 93, 200, 272, 315, 855, 606, 652, 868, 934, 1040, 1273, 1285, 1287, 1289, 1295, 1297, 1334, 1389, 1495, 1582, 1866, 1703, 1734, 1778, 1827, 1863, 2401, 2437, 2449, 2606, 2686-2687, 2952, 2956, 3052, 3092, 3099, 3122, 3169, 3229, 3296, 3430, 3556, 3654, 3898, 3762, 3772, 3838, 4009, 4049, 4107, 4121, 4159, 4200
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 272, 681, 990, 1050, 1103, 1203, 1854, 3898, 3962
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 274, 3883
PREGNANCY COMPLICATIONS, INFECTIOUS: 458, 925, 1272, 1900, 2675, 3229
PREGNANCY, ECTOPIC: 874, 1160, 2204, 2718
PREGNANCY IN DIABETES: 272, 310, 890, 990, 1042, 1273, 1289, 1294, 1866, 1959, 2381, 2764, 2675, 2932, 3052, 3087, 3698
PREGNANCY, MULTIPLE: 324, 1659, 1888, 2381, 3781, 3767
PREGNANCY, PROLONGED: 272, 3178, 3430
PREGNANCY TESTS: 167I, 2880
PREGNANCY TOXEMIAS: 1, 4I, 272, 690, 990, 1289, 1439, 1868, 1739, 1848, 2055, 3087, 3618, 3668, 3898
PREGNANCY, TUBAL: 3649
PREGNANCY, UNWANTED: 91, 3416
PREGNANEDIOL: 724, 757, 773, 926, 1106, 1132, I329, 1631, 1890, I628, 1636, 1958, 2452, 3076, 3349, 3751
PREGNANES: 241, 391, 516, 564, 638, 670, 1212, 1501, 1581, 1611, I668, 2108, 2309, 2428, 2463, 2480, 2788, 3306, 3579, 3836, 3660, 3832, 3906, 3996
PREGNANETRIOL: 450, 773, 1234, 1259, 1329, 2336
PREGNATRIENES: 4123
PREGNENES: 1244, 1749, 2316, 2857, 3016, 3363, 3658, 3906, 3998, 4123
PREGNENOLONE: 37, 562, 587, 935, 963, 1110, 1202, 1392, 1403, 1619, I749, 2479, 2534, 2631-2632, 2927, 3073, 3346, 3393, 3704, 3766, 4021
PREMEDICATION: 648, 972, 2076
PREMENSTRUAL TENSION: 2388
PRENATAL CARE: 1294
PRENATAL DIAGNOSIS: 1201, 1289, 1309, 2280, 2812, 3477, 4166
PREOPERATIVE CARE: 2725
PRESCRIPTIONS: 1344, 3476
PRESSORECEPTORS: 1219, 1405
PRESSURE: 6, 777-776, 979, 1088, 1300, 1338, 1381, 1616, 2076, 2271, 2407, 2657, 2864-2885, 3607, 3771, 3843, 3889
PREVENTIVE MEDICINE: 2I26
PRIMARY HEALTH CARE: 417
PRIMATES: 1336, 2968, 3142, 4152
PRISONS: 638
PROADIFEN: 1172, 2243
PROBABILITY: 1639, 1707, 1771, 2190, 3321
PROBENECID: 470, 2786
PROBLEM SOLVING: 1707
PROCAINE: 467, 2999, 3156, 3386, 3462
PROCAINE AMIDE: 917
PROCARBAZINE: 537, 550, 566, 1104, I139-1140, 1171, 1199, 1534, 1601, 2134, 2138, 2245, 2897, 2702, 2809, 2981, 2992, 3162, 3165-3166, 3863
PROCHLORPERAZINE: 442, 777, 1652, 2575
PROGERIA: 208
PROGESTATIONAL HORMONES: 164, 326, 391, 677, 723, 1110, 1151, I368, 1459, I532, 1641, 1664, 1675, 1737, 2064, 2352, 2388, 2415, 2514, 2529, 2694-2695, 2712, 2857, 29I6, 3145, 3170, 3292, 3302, 3332, 3515, 3530, 3922, 3934, 3969, 4030, 4123, 4132, 4197, 4199
PROGESTERONE: 6, 31, 37, 45, 51, 54, 71, 96, 103, 111, 129, 139, 211, 213, 234, 272-273, 285, 306, 351, 357, 370, 396, 434, 448, 461, 523, 544, 579, 591, 593, 603-604, 610, 709, 713, 748, 775, 777-776, 764, 790, 662, 885, 914, 925, 943, 967, 983-984, 1031, I035, 1II0, 1131, 1174, 1181-I162, 1185-1166, 1197, 1250, I256, 1282, 1324, 1336, 1341, 1392, 1398, 1403-1404, 1407, 1428, 1476-1477, 1520, 1531, 1553, 1563, 16I9, 1662-1663, 1690, 1721, 1726, I749, 1763, I771, 1776, 1762, I618, 1621, 1623, 1847-1648, I668-1669, 1679, 1691-1692, 1947, 1975, 2049, 2058, 2074, 2083, 2106, 2110, 2121, 2130, 2135, 2198, 2198, 2208-2209, 2211, 2257, 2276-2277, 2305, 2339, 2415, 2438, 2460, 2479-2480, 2514, 2595, 2631, 2639, 2688-2687, 2894, 2701, 2704, 2714-2715, 2798, 2811, 2819, 2873, 2691, 2926-2927, 2958, 2966, 2996, 3005, 3029, 3041, 3067, 3101, 3104, 3147, 3210, 3238, 3238, 3259, 3292, 3332, 3358, 3372, 3386, 3393-3394, 3488, 3491, 3506, 3529-3530, 3538, 3611, 3824, 3858, 3859, 3669, 3683, 3892, 3704, 3713, 3738, 3759, 3787, 3906, 3912, 3927, 3933, 3988, 3998, 4013, 4021, 4043, 4053, 4068, 4086, 4097, 4109, 4138, 4148, 4158
PROGNOSIS: 132, 170, 175, 323, 430, 455, 548, 844, 855, 888, 673, 1194, 1318, 1335, 1388, 1461, 1464, 1512, 1629, 1827, 1887, 1953, 2068, 2084, 2138, 2158, 2221, 2229, 2248, 2328, 2384, 2528, 2561, 2605, 2625, 2870, 2702, 2720, 3030, 3074, 3189, 3205, 3218, 3348, 3599, 3616, 3706, 3746-3747, 3780, 3842, 3849, 3858, 3904, 3925, 3987, 3983, 3992, 3998, 4062, 4128, 4133, 4187, 4187
PROINSULIN: 1214, 3622
PROLACTIN: 87, 102, 168, 181, 288, 302, 349, 388, 406, 591, 609, 821, 841, 748, 788, 839, 885, 891, 970, 993, 1070, 1108, 1115, 1130, 1208, 1277, 1317, 1359, 1414, 1587, 1713, 1823, 1829, 1870, 1880, 2133, 2198, 2304, 2373-2374, 2379, 2425, 2812, 2815, 2819, 2789, 2991, 3059, 3207, 3217, 3398, 3453-3454, 3510, 3626, 3734, 3752, 3785, 3789, 3860, 3863, 3860, 3894, 3966-3969, 4013, 4039, 4069, 4076, 4089
PROLINE: 210, 649, 1454, 2050, 2823, 3164, 3351
PROLINE HYDROXYLASE: 2050
PROMAZINE: 53
PROMETHAZINE: 442, 1657, 3245
PRONASE: 201, 249, 1607, 2312, 4053
PRONETHALOL: 2764
PROPANEDIOLS: 288, 1599
PROPANIDID: 241, 638
PROPIONATES: 392, 546, 705, 709, 941, 1726, 1771, 1912, 1927, 1960, 2690, 2621, 2856, 3039, 3044, 3579, 3667, 3689
PROPOXYCAINE: 4211
PROPOXYPHENE: 2876, 4164
PROPRANOLOL: 64, 124, 148, 159, 233, 656, 659, 606, 623, 921, 973, 1041, 1185, 1251, 1265, 1338, 1415, 1584, 1695, 2132, 2303, 2456, 2504, 2891, 3202, 3208, 3252, 3257, 3451, 3647, 3664, 3673, 3702, 3741, 3761, 3871, 4080, 4190
PROPYLAMINES: 973, 1327, 1693, 2541, 3222, 3270, 4211
PROPYLTHIOURACIL: 682, 2924, 3020, 3038, 3558
PROSPECTIVE STUDIES: 236, 681, 1641, 1667, 3521, 3584, 3829, 4199
PROSTAGLANDINS: 19, 31, 34-35, 42, 55, 64, 71-73, 129, 137, 152, 178, 169-190, 196, 227-226, 284, 287, 347, 376, 405, 416, 442, 471-472, 498, 505, 510, 516, 523, 544, 549, 585, 578, 600, 603-604, 609, 630, 638, 729-730, 732, 775-777, 790-791, 630, 640, 990, 995, 1001-1002, 1026, 1056, 1067, 1086, 1266-1287, 1282, 1338, 1349-1350, 1416, 1418, 1425, 1510, 152I, 1531, 1546-1547, 1551, 1553, 1569, 1583, 1587-1586, 1600, 1861, I731, 1734, 1766, 1775, 1787, 1643-1846, 1879, 1917, 1986, 2057-2058, 2079, 2089, 2130, 2147, 2152, 2179, 2169, 2264, 2273, 2300, 2329, 2345, 2398, 2409, 2427, 2436, 2466-2468, 2485, 2515, 2575, 2602, 2611, 2624, 2628, 2639, 2645, 2818, 2651, 2870, 2890, 2903, 2914, 2961-2962, 2992, 3033, 3067, 3087, 3137, 3175, 3210, 3219, 3223, 3268, 3288, 3293, 3358, 3371-3373, 3376, 3429, 3434, 3476, 3504, 3508, 3514, 3523, 3529, 3537, 3596, 3607, 3615, 3667, 3677, 3698, 3725, 3767, 3808, 3840, 3848, 3956, 3963, 3969, 4001, 4013, 4032, 4037
PROSTATE: 74, 213, 243, 389, 449, 483, 525, 899, 745, 1438, 1603, 2028, 2212, 2324, 2400, 2506, 2713, 2817, 2821, 3008, 3014, 3234, 3368, 3374, 4020, 4090
PROSTATECTOMY: 866, 1008, 1989, 2045, 3074
PROSTATIC DISEASES: 3072
PROSTATIC HYPERTROPHY: 1008, 3812, 3855, 4020, 4084
PROSTATIC NEOPLASMS: 22, 886, I008, 1580, 2910, 3030, 3074, 3576, 3715, 3763, 3812, 3855, 3947, 3949, 4084
PROSTATITIS: 3074, 3855
PROSTHESIS: 985, 1812, 1623, 2522
PROSTHESIS DESIGN: 2522
PROTAMINES: 1702, 3163

PROTECTIVE DEVICES: 3464
PROTEIN BINDING: 33, 78, 118, 130, 155, 186, 203, 351, 357, 370-371, 448, 485-496, 532, 580, 657, 666, 714, 810, 882, 943, 982, 1005, 1011, 1033, 1038, 1047, 1063, 1081, 1082, 1175-1176, 1200, 1243, 1320, 1348, 1453, 1466, 1476-1477, 1527, 1545, 1624, 1643, 1672, 1680, 1701, 1801, 1857, 1905, 1947, 1850, 2017, 2046, 2095, 2194, 2251, 2269, 2272, 2287-2288, 2316, 2321-2322, 2350, 2378, 2393, 2385, 2444, 2480, 2597, 2696, 2723, 2858, 2966, 2971, 2993, 3005, 3032-3033, 3103, 3132, 3150, 3158, 3163, 3185-3188, 3218, 3247, 3324, 3332, 3390, 3394, 3457, 3484, 3506, 3558, 3563, 3581, 3601, 3615, 3717, 8739, 3792, 3816, 3818, 3870, 3880, 3836, 3942, 3945, 3961, 3988, 4017, 4020, 4048-4049, 4053, 4083, 4102, 4115
PROTEIN-BOUND IODINE TEST: 251, 395, 596, 827, 783, 1071, 1082-1093, 1361, 1478-1479, 1507, 1612, 1697-1699, 1728, 2083, 2311, 2471, 2547, 2638, 2850, 2898, 2900, 2924, 3112, 3129, 3227, 3229, 3356, 3390, 3392, 3423, 3634, 3837, 3923
PROTEIN-CALORIE MALNUTRITION: 200, 1018, 1450, 2783, 2906
PROTEIN CONFORMATION: 1375, 2017, 3161, 3583, 3902, 3977
PROTEIN DEFICIENCY: 200, 1565, 2151, 2437, 2510, 2606, 3786, 4107, 4121
PROTEIN DENATURATION: 256, 1084, 1244, 2029, 2293, 2902, 3080, 3769
PROTEIN HYDROLYSATES: 642
PROTEIN KINASE: 2069, 2310
PROTEIN PRECURSORS: 2050, 2383, 3234
PROTEINS: 52, 74, 116, 201, 204, 208, 339, 360, 553, 579, 581, 658, 667, 722, 745, 752, 772, 824, 837, 871, 881, 887, 968, 982, 996, 1018, 1033, 1084, 1072, 1083, 1107, 1150, 1175, 1200, 1241, 1270, 1275, 1419, 1559, 1607, 1611, 1650, 1684, 1702, 1740, 1760-1761, 1776, 1779, 1818, 1859, 1810, 1837-1938, 1942, 1951, 1987, 1885, 2021, 2296, 2324, 2341, 2399, 2404, 2437, 2444, 2482, 2574, 2665, 2687, 2717, 2754, 2781, 2817, 2824, 2833, 2886, 2951, 3002, 3008, 3012-3013, 3037, 3101, 3144, 3163-3184, 3195, 3234, 3271, 3287, 3318, 3331, 3383, 3391, 3410, 3415, 3578, 3581, 3595, 3622, 3640, 3652, 3672, 3710, 3785, 3792, 3881, 3907, 3928, 3955, 3857, 4017, 4053, 4063, 4068, 4077-4078, 4082-4083, 4094, 4107, 4113, 4138
PROTEINURIA: 497, 1310, 1318, 1528, 1671, 2769, 3829, 3962
PROTEUS: 3788
PROTEUS VULGARIS: 3768
PROTHROMBIN: 3463, 3563
PROTHROMBIN TIME: 72, 152, 3171, 3720
PROTOPLASTS: 3894
PROTOVERATRINE A: 3360
PROTOZOAN INFECTIONS: 1488
PRURIGO: 2989
PRURITUS: 717
PRURITUS ANI: 726
PRURITUS VULVAE: 2752
PSEUDOHERMAPHRODITISM: 409, 1201, 1305, 1338, 3554
PSEUDOHYPOPARATHYROIDISM: 232, 328, 2772, 3822
PSEUDOMONAS: 2483, 3050
PSEUDOMONAS AERUGINOSA: 1365
PSEUDOMONAS INFECTIONS: 1088, 1365, 2159, 2246
PSEUDOPODIA: 383
PSEUDOPREGNANCY: 117, 425, 609-610, 1003, 1094, 1115, 1360, 1577, 2057-2058, 2198, 2339, 2425, 2776, 3236, 3848, 4013, 4068
PSEUDOPSEUDOHYPO- PARATHYROIDISM: 3897
PSEUDOTUMOR CEREBRI: 261
PSEUDOXANTHOMA ELASTICUM: 180, 812, 2343
PSILOCYBINE: 953
PSORIASIS: 180, 757, 852, 975, 1296, 1581, 1620, 2124, 2470, 2564, 2766, 2848, 3015, 3482, 4193
PSYCHOLOGICAL TESTS: 3321, 3719
PSYCHOLOGY: 3489
PSYCHOMETRICS: 364
PSYCHOMOTOR DISORDERS: 929, 2783
PSYCHOPHYSIOLOGIC DISORDERS: 388, 819, 2059, 2605, 4038
PSYCHOPHYSIOLOGY: 1255, 3340
PSYCHOSES: 2605
PSYCHOSES, MANIC-DEPRESSIVE: 427, 465, 1040, 1353
PSYCHOSES, ORGANIC: 467, 4214
PSYCHOSES, SENILE: 4214
PSYCHOSES, TOXIC: 804, 1920, 1825, 2502, 4203
PSYCHOSEXUAL DEVELOPMENT: 2429, 2527-2528, 3719, 3922
PSYCHOSURGERY: 3420
PSYCHOTHERAPY: 3891
PTERIDINES: 752, 755, 2065, 2618, 3805
PTERINS: 2065, 2284
PUBERTY: 170, 324, 390, 811, 852, 1017, 1025, 1210, 1228, 1298, 1404, 1612, 1758, 1887, 2007, 2158, 2299, 2326, 2532, 2836, 3054, 3280, 3297, 3308, 3515, 3517, 3686, 3700, 4172, 4176, 4188
PUBERTY, PRECOCIOUS: 727, 2266, 2820, 3131, 3601, 4206
PUBIC SYMPHYSIS: 1287
PUBLIC HEALTH: 2946
PUBLISHING: 1485, 2663
PUERPERAL DISORDERS: 274, 1863, 2896, 3681, 3846
PUERPERAL INFECTION: 890
PUERPERIUM: 443, 471, 960, 967, 1010, 1523, 1563, 1666, 1792, 1833, 2228, 3486, 3491, 3668, 3788, 3989, 4129
PULMONARY ALVEOLI: 2270, 2948, 3941
PULMONARY ARTERY: 2647, 2746, 2895, 2965, 3139, 4059
PULMONARY CIRCULATION: 280, 620, 2045, 2270, 2746, 2811, 3786
PULMONARY DIFFUSING CAPACITY: 1783
PULMONARY EDEMA: 58, 280, 620, 694, 899, 1783, 2271, 2332, 2746
PULMONARY EMBOLISM: 305, 819, 1737, 2710, 2965, 3353, 3655, 4059, 4206
PULMONARY EMPHYSEMA: 4214
PULMONARY FIBROSIS: 1057, 2948
PULMONARY HEART DISEASE: 861, 899
PULMONARY SURFACTANT: 280
PULMONARY VALVE STENOSIS: 936
PULMONARY VEINS: 4059
PULPITIS: 974
PULSE: 264, 299, 678, 1111, 1794, 2885, 3306, 3867, 4111
PUNCTURES: 439, 824, 1141, 2459, 3649, 3810
PUNISHMENT: 1380
PUPA: 2065
PUPIL: 2148, 2384
PURINE NUCLEOTIDES: 330, 531, 2296
PURINES: 896, 2065, 2296, 2644, 2669, 2897, 3037, 3539, 3955, 4011
PURINONES: 3221
PURKINJE CELLS: 682, 1600, 3426
PUROMYCIN: 1700, 1816, 2644, 2802, 2833, 3037, 3046, 3277, 3456, 3792
PURPURA: 3307
PURPURA, HYPERGLOBULINEMIC: 915
PURPURA, THROMBOPENIC: 552, 1236, 2223, 3592, 4026
PURPURA, THROMBOTIC THROMBOPENIC: 2223
PUTRESCINE: 428, 1562, 3180
PYELONEPHRITIS: 275, 887, 924, 1813, 2048, 2786, 3463, 3924, 3946
PYLORIC ANTRUM: 771, 1440
PYLORUS: 1056
PYODERMA: 855, 3613
PYRAZINES: 3805
PYRAZOLES: 2303, 3260
PYRIDAZINES: 2059-2060, 2605
PYRIDINES: 155, 245, 394, 510, 1158, 1740, 2982, 3805
PYRIDINIUM COMPOUNDS: 2282
PYRIDOXAL PHOSPHATE: 611
PYRIDOXINE: 611, 2099, 3522
PYRIDOXINE DEFICIENCY: 406, 1592, 3522
PYRIMIDINE NUCLEOTIDES: 2296
PYRIMIDINES: 735, 2282, 3741, 3986, 4011
PYRIMIDINONES: 120
PYROGALLOL: 794
PYROGENS: 832, 1067, 3550
PYROPHOSPHATASES: 271, 2173, 3902
PYROPHOSPHATES: 1377, 3785
PYRROLIDINES: 194, 286, 901, 1753, 2209, 3104, 3231, 3713
PYRROLIZIDINE ALKALOIDS: 2969, 3298
PYRUVATE DEHYDROGENASE COMPLEX: 3338
PYRUVATE KINASE: 397, 1910, 3015, 3242, 3451
PYRUVATES: 26, 44, 397, 750, 1318, 1387, 1770, 1916, 2210, 2310, 2453, 2560, 2587, 2919, 3520, 3541, 3610, 3632, 3871, 3914
QUADRIPLEGIA: 841, 978, 1447, 1660
QUAIL: 1943, 2631, 2693, 2696, 3570, 4074
QUALITY CONTROL: 821
QUALITY OF HEALTH CARE: 417
QUANTUM THEORY: 2040
QUEBEC: 1711
QUESTIONNAIRES: 852
QUINACRINE: 756, 1309, 1443, 1849, 1901, 1991, 2184-2185, 3345, 3350, 3658, 4148
QUINESTROL: 2601, 2712, 3168
QUINGESTANOL: 2351-2352, 2514, 2712, 3168, 3287
QUINIDINE: 274
QUININE: 2747, 3120, 3593, 3705
QUINOLINES: 1355, 2453
QUINONES: 20, 1222, 3020, 4011
QUINUCLIDINES: 3365
RABBITS: 5, 8, 16, 38, 51, 64, 89, 112, 116, 139, 146, 184, 213, 239-240, 242, 277, 288, 295, 302, 325, 382, 406, 447, 460, 473, 498, 504, 523, 531, 561, 598, 646, 683, 775, 782, 801, 803, 817-818, 824, 828-830, 887, 891, 913, 937, 955, 980, 996, 1027, 1061, 1064, 1069, 1115, 1143, 1149-1150, 1158, 1163, 1165, 1191, 1321, 1339, 1348, 1378, 1394, 1399, 1413, 1500, 1519, 1535, 1549, 1604, 1614, 1623, 1657, 1661, 1686, 1701, 1720, 1725, 1727, 1752, 1759-1760, 1787, 1806, 1860, 1868, 1896, 1932, 1934, 1946, 1975, 1979, 2026-2027, 2030, 2042, 2046, 2049, 2060, 2070, 2072, 2101, 2110, 2114, 2149, 2172, 2211, 2235, 2264, 2269, 2286, 2300, 2316, 2320-2322, 2339, 2350, 2372, 2377, 2380, 2385, 2397, 2423, 2426, 2434, 2451, 2482, 2519, 2570, 2576, 2596, 2602, 2610, 2621, 2628, 2637, 2645, 2668, 2674, 2683, 2721, 2723, 2772, 2777, 2782, 2784, 2787, 2823, 2878, 2884, 2891, 2900, 2908, 2958, 2969, 2976, 2986, 3005, 3008, 3075, 3132, 3157, 3185, 3194, 3211, 3217, 3248, 3277, 3310, 3325, 3343, 3369, 3371, 3387, 3391, 3412, 3414, 3457, 3467, 3490, 3501, 3511, 3530, 3561, 3590, 3615, 3617, 3627, 3639, 3685, 3705, 3716, 3731-3732, 3735, 3738, 3752, 3766, 3776, 3818, 3826, 3863, 3873, 3880, 3917, 3921, 3957, 3991, 4013, 4019, 4021, 4044-4045, 4083, 4086, 4090, 4093, 4109, 4119, 4124, 4138, 4142, 4149
RACIAL STOCKS: 1615
RADIATION CHIMERA: 2478, 3742
RADIATION DOSAGE: 123, 509, 1548, 1552, 1756, 2496, 2577, 2887-2888, 3284, 3366, 3425, 3638
RADIATION EFFECTS: 128, 240, 531, 1232, 1404, 1548, 1591, 1665, 1743, 1940, 1945, 2417, 2497, 2552, 2682, 2887, 2961, 3154, 3425, 3551, 3714, 3746, 3919, 4041, 4055, 4075
RADIATION GENETICS: 346, 509, 808, 1980, 2120, 2340, 2478, 3000
RADIATION INJURIES: 2496, 2660, 3153, 3775, 3996
RADIATION INJURIES, EXPERIMENTAL: 1232, 4114
RADIATION MONITORING: 4208
RADIATION PROTECTION: 787, 1591, 4208
RADIATION-PROTECTIVE AGENTS: 883, 3196
RADICAL NECK DISSECTION: 905
RADIOACTIVE FALLOUT: 4178
RADIOCHEMISTRY: 46, 484, 3981
RADIOGRAPHIC MAGNIFICATION: 711, 2325
RADIOGRAPHY: 2483
RADIOIMMUNOASSAY: 71, 89, 92, 98, 129-130, 140, 157, 183, 203, 207, 250, 302, 329, 351, 370, 413, 416, 431, 434, 460, 471, 473, 498, 523, 529-530, 546, 578, 586, 589, 607, 624, 712, 732, 737, 789, 839, 842, 891, 938, 967, 979, 1009, 1051, 1063, 1092-1093, 1130, 1132, 1150, 1164-1165, 1167, 1181-1183, 1225, 1245, 1259, 1315, 1378, 1414, 1418, 1462, 1498, 1524, 1530, 1545, 1549, 1567, 1569, 1574, 1603, 1651, 1655, 1686, 1713, 1731, 1739, 1748, 1763, 1782, 1800, 1834, 1848, 1878, 1984, 1994, 2037, 2049, 2130, 2150, 2174, 2233, 2250, 2269, 2277, 2304, 2316, 2320, 2322, 2329, 2337, 2379-2380, 2383, 2442, 2489, 2557, 2599, 2615, 2627, 2630, 2644, 2649, 2708, 2767, 2775, 2790, 2794, 2811, 2853, 2856, 2878, 2880, 2891, 2900, 2958, 2966, 3025, 3046, 3054, 3059, 3093, 3132, 3134, 3176, 3204, 3210-3211, 3217, 3223, 3256, 3289, 3342-3343, 3358, 3377, 3421, 3433, 3439-3440, 3454, 3458-3459, 3529, 3615, 3696, 3737-3738, 3760, 3772, 3818, 3834, 3860, 3879-3880, 3916-3917, 3921, 3927, 3947, 3957, 3961, 3988, 4004-4005, 4013, 4025, 4065, 4072, 4093, 4109
RADIOISOTOPE DILUTION TECHNIC: 3699
RADIOISOTOPE RENOGRAPHY: 1, 3617, 3886
RADIOISOTOPE SCANNING: 40, 62, 82, 123, 535, 623, 947, 1109, 1184, 1195, 1321, 1361, 1479, 1552, 1572, 1591, 1601, 1737, 1739, 1756, 1805, 1815,

1861, 1881, 1913, 1989, 2095, 2311, 2325, 2390, 2448, 2533, 2840, 2688, 2746, 2938, 2957, 2988, 3009, 3133, 3361, 3524, 3572, 3638, 3775, 4049, 4060, 4208
RADIOISOTOPE TELETHERAPY: 787, 965, 1539, 3998
RADIOISOTOPES: 189, 598, 1022, 1109, 1422, 1549, 1552, 1591, 1598, 1828, 1739, 1756, 2383, 2533, 2579, 3028, 3572, 3638, 3976
RADIOLIGAND ASSAY: 318, 1247, 1541, 1545, 2287, 3103, 4150
RADIOMETRY: 128, 2660, 3638, 3641
RADIOTHERAPY: 348, 758, 808, 905, 1032, 2237, 2396, 2483, 3775
RADIOTHERAPY DOSAGE: 164, 550, 787, 808, 644, 905, 920, 1199, 1480, 1881, 2396, 2887, 3084, 3599, 3715, 3996
RADIOTHERAPY, HIGH ENERGY: 380, 787, 1539, 3030
RADIUM: 509, 866, 4176
RADIUS: 105, 463, 986, 2003, 2820, 2692
RANA: 520, 1188
RANA CATESBEIANA: 4110
RANA ESCULENTA: 399, 3019
RANA PIPIENS: 1105, 1987, 2307, 2724, 3389
RANA TEMPORARIA: 215, 631, 1188-1189, 1488, 1732, 2681, 3901, 3903
RATS: 3, 9, 12, 18, 18, 20, 23, 25, 29, 32, 34, 38-40, 44-45, 48, 64-65, 89, 74, 88, 97, 100, 102-103, 106, 117, 119, 124, 127, 138, 142-143, 148-149, 168, 171, 173-174, 181-183, 138, 192, 200-201, 204, 207, 212, 226, 243, 247, 256, 268, 270, 288, 291, 293, 296, 308, 312, 325, 330, 335, 341, 348, 353-354, 358, 378, 384, 389-391, 394, 397, 400-402, 411, 413, 425-428, 428, 437, 447, 452, 459, 470, 483, 487, 491, 499, 515, 523-525, 529, 531, 533, 542-543, 549, 553, 556, 558-559, 562-563, 568, 571, 581, 587, 592, 801, 606, 609-811, 814-615, 820, 628, 830, 639, 845, 847, 649, 653, 857-858, 860, 863-664, 887, 669-870, 682, 686, 699, 701, 703, 705-706, 709-710, 713-714, 718, 723, 725, 735, 739, 745, 750-752, 755, 760-782, 766, 771, 779, 781, 783, 789, 793-794, 797, 801-802, 805, 807, 818, 823, 838-837, 840, 853, 863, 869, 871, 878, 883, 891, 895, 897-898, 900-901, 903, 908-910, 922, 938, 940-941, 945-946, 951, 961-962, 968, 970, 983-984, 988, 992-993, 996, 1005, 1011, 1010-1020, 1033, 1041, 1043, 1047, 1049, 1052, 1054, 1069, 1072, 1095, 1098-1099, 1119, 1128, 1141, 1153, 1158, 1181, 1164, 1168, 1172-1178, 1191-1192, 1202, 1206-1207, 1211, 1213, 1223, 1230, 1232-1233, 1235, 1243, 1248, 1248, 1250-1251, 1255-1256, 1287, 1270, 1278, 1291, 1298-1299, 1301, 1303-1307, 1313, 1320, 1327-1328, 1331-1332, 1343, 1345, 1349-1350, 1358-1359, 1366-1387, 1380, 1387, 1389, 1393, 1397, 1400-1401, 1403-1404, 1409-1410, 1419, 1431, 1437, 1440, 1444-1445, 1448, 1454-1455, 1457, 1466-1467, 1476, 1482, 1484, 1486, 1502, 1506, 1508, 1517-1518, 1520, 1525, 1535, 1558, 1581-1563, 1589, 1573-1575, 1578, 1593, 1595-1597, 1599-1600, 1603-1605, 1608, 1611, 1818, 1819, 1827-1628, 1643-1644, 1647-1648, 1658, 1873, 1681, 1700-1702, 1707, 1713-1714, 1718, 1719-1721, 1725-1728, 1730-1731, 1735, 1744, 1753, 1760-1761, 1764-1785, 1787, 1773-1774, 1778, 1785, 1787, 1789, 1791, 1796, 1809, 1818, 1818, 1821, 1823, 1825, 1838, 1841-1842, 1850, 1858-1859, 1885, 1869-1870, 1873
1892-1894, 1897, 1909, 1912, 1918, 1918, 1921, 1929, 1936, 1938-1941, 1943, 1947, 1956, 1960-1961, 1970, 1977-1980, 1983, 1995, 2007, 2011, 2019-2021, 2035-2036, 2043, 2052, 2057-2058, 2060, 2063-2064, 2068, 2073, 2081, 2085, 2090, 2114, 2117, 2125, 2129, 2134, 2142, 2151, 2153, 2155, 2157, 2160, 2167, 2172-2173, 2175, 2188, 2195-2196, 2198, 2206, 2208-2210, 2217, 2220, 2228, 2232, 2243, 2247, 2268, 2283-2285, 2287-2288, 2292, 2310, 2315, 2319, 2324, 2329-2330, 2339, 2357, 2361, 2373-2374, 2382, 2389, 2391, 2399, 2402, 2406, 2408, 2411, 2414, 2418, 2423, 2425, 2427-2428, 2433, 2437-2438, 2442, 2453, 2456, 2471, 2475, 2480, 2490, 2497, 2499, 2508, 2510, 2516-2521, 2524-3525, 2541, 2546, 2551, 2554, 2558, 2560, 2562, 2568, 2572, 2574, 2578, 2587, 2603, 2606, 2609, 2615, 2617, 2626-2627, 2630, 2636-2637, 2641-2642, 2651, 2653, 2660, 2665-2664, 2873, 2686-2687, 2891, 2694, 2705, 2707, 2709, 2713-2714, 2717, 2721, 2727, 2729, 2732, 2736, 2739, 2749, 2758, 2760, 2768, 2770, 2772, 2776, 2779-2780, 2782, 2791, 2793, 2800, 2802, 2810, 2813, 2817, 2819, 2821, 2825, 2831, 2836, 2840, 2844, 2859, 2863, 2866, 2870, 2878, 2884, 2889-2890, 2892-2693, 2918, 2919, 2928, 2930, 2937-2938, 2949, 2952, 2969, 2971-2972, 2977, 2982, 2990-2991, 2993-2994, 2996, 3002, 3004, 3008, 3010-3011, 3014, 3032-3033, 3038, 3046, 3055-3059, 3062, 3065, 3070, 3089, 3095, 3103-3104, 3109, 3115, 3120-3121, 3127-3128, 3138, 3147-3149, 3153-3154, 3158, 3180-3181, 3184-3185, 3190-3191, 3193, 3198, 3199, 3208, 3212, 3217, 3222, 3225, 3231-3234, 3238, 3242, 3244-3245, 3248, 3251, 3255-3258, 3287, 3282, 3285, 3288, 3298-3299, 3305, 3310, 3318, 3321, 3325, 3329, 3340, 3350, 3352, 3360, 3364, 3368, 3371, 3381, 3387, 3398, 3401, 3407, 3411, 3414, 3425-3428, 3444, 3449, 3451, 3453, 3455, 3471, 3495-3496, 3506, 3509-3510, 3512-3513, 3517-3518, 3555, 3558, 3564, 3569, 3579-3580, 3583, 3593, 3602-3605, 3608, 3810, 3821-3622, 3624, 3628, 3628, 3632-3633, 3637-3638, 3642-3643, 3647
3652, 3864, 3870-3674, 3877-3678, 3682, 3684, 3688, 3890, 3892, 3713, 3720, 3723, 3734, 3738, 3741, 3745, 3748-3750, 3757, 3780, 3774, 3781, 3785, 3787-3788, 3794, 3796, 3799, 3802, 3804-3807, 3821, 3825, 3834, 3843, 3848, 3881, 3868-3889, 3871, 3877, 3889, 3892-3893, 3900, 3902, 3913, 3930, 3939, 3942, 3944-3945, 3953, 3958, 3964-3968, 3972, 3975-3978, 3978, 3981, 3993-3994, 4001, 4003, 4020, 4027, 4035, 4045, 4052, 4061, 4069, 4078-4079, 4082-4083, 4088-4089, 4092, 4098-4099, 4102, 4107, 4113, 4115, 4119, 4121-4122, 4124-4125, 4136, 4139, 4141, 4144, 4147-4148, 4181, 4173
RATS, INBRED ACI: 669
RATS, INBRED F344: 582, 895
RATS, INBRED LEW: 895, 3138
RATS, INBRED STRAINS: 85, 171, 270, 390, 437, 810, 826, 1158, 1331, 1404, 1713, 1838, 2081, 2157, 2283, 2518, 2660, 2817, 2819, 3014, 3225, 3236, 3892, 3757, 3802, 3930, 4035, 4098, 4161
RATS, INBRED WF: 1713, 3510
RAUSCHER VIRUS: 602
RAUWOLFIA: 4203
REACTION TIME: 53, 127, 1781, 2142, 2206, 3192, 3560, 3965
RECEPTORS, ADRENERGIC: 78, 148, 247, 735, 780, 806, 1185, 1736, 2784, 3208, 3257, 3673, 3871, 4192
RECEPTORS, CHOLINERGIC: 247, 1409, 1738, 2784
RECEPTORS, DRUG: 20, 98, 189, 330, 493, 534, 554, 578, 779, 610, 921, 1174, 1237, 1409, 1413, 1554, 1824, 1857, 1684, 1809, 1938, 2177, 2367, 2498, 2878, 3005, 3079, 3158, 3664, 3821, 3843
RECEPTORS, HORMONE: 130, 330, 425, 457, 815, 762, 1214, 1243, 1250, 1320, 1359, 1435, 1872, 1753, 1859, 2150, 2287-2288, 2498, 2546, 2574, 3079, 3103-3104, 3145, 3181, 3172, 3231, 3647, 3711-3713, 3717, 3912, 3972, 4053
RECEPTORS, NEURAL: 12, 955, 1095, 1738, 2031, 2101, 2456, 2704, 3467, 3850
RECOMBINATION, GENETIC: 451, 1382, 3551
RECTAL NEOPLASMS: 1007, 1279, 2227, 2855, 3072, 3940
RECTUM: 81, 964, 1427, 2300, 3078
RECURRENCE: 56, 144, 177, 221, 632, 827, 1040, 1056, 1088, 1279, 1295, 1373, 1406, 1812, 1793, 1840, 1881, 2328, 2536, 2825, 2702, 2766, 2849, 2989, 3106, 3152, 3282, 3644, 3829, 3992, 4015, 4065
RED NUCLEUS: 2275, 2844
REFERRAL AND CONSULTATION: 417
REFLEX: 294, 336, 457, 518, 684, 735, 748, 1219, 1898, 2978, 3752, 3794, 3893
REFLEX, MONOSYNAPTIC: 192
REFLEX SYMPATHETIC DYSTROPHY: 536, 1979
REFLEX, TENDON: 250, 329, 3358
REFRACTIVE ERRORS: 1924
REFRACTORY PERIOD, NEUROLOGIC: 1235, 3121
REFRIGERATION: 548
REGENERATION: 506, 796, 1534, 1548, 1619, 1743, 2256, 2613, 2884, 2980, 3187, 4119
REGIONAL BLOOD FLOW: 5, 13, 35, 163, 175, 189, 523, 979-980, 1217, 1388, 1400, 1418, 1574, 1598, 1739, 1769, 1799, 1881, 1863, 1917, 2273, 3011, 3140, 3173, 3475, 3608, 3617, 3701, 4111
REGISTRIES: 3443
REGRESSION ANALYSIS: 394, 443, 719, 1128, 3140, 4094
REGURGITATION, GASTRIC: 58
REHABILITATION, VOCATIONAL: 2126
REIMPLANTATION: 2748
REINFORCEMENT (PSYCHOLOGY): 151, 814, 2882, 3285, 3560, 3980
REINFORCEMENT SCHEDULE: 3593
RELAXIN: 2228
RELIGION AND MEDICINE: 3937
REMISSION: 80, 537, 965, 1139-1140, 1155, 1199, 1302, 1461, 1468, 1528, 1840, 2138, 2244-2245, 2899, 2809, 2641, 2871, 3071, 3182, 3216, 3715, 3746, 3768, 3883, 4018, 4158, 4201
RENAL ARTERY: 35, 163, 672, 711, 785, 979, 1285, 2273, 2472, 3284, 3633, 3924
RENAL ARTERY OBSTRUCTION: 132, 412, 785, 893, 1881, 2967, 3098, 3876, 3924
RENAL OSTEODYSTROPHY: 224, 497, 894, 986, 1148, 1579
RENAL TUBULAR TRANSPORT, INBORN ERRORS: 1125
RENAL VEINS: 454, 687, 785, 1388, 2368-2369
RENIN: 3, 90, 114, 158, 163, 175, 203, 237, 253, 255, 454, 544, 661, 876, 687, 703, 711-712, 737, 780, 785, 826, 893, 979-980, 1027, 1095, 1098, 1125, 1165-1187, 1259, 1388, 1419, 1430, 1523, 1741, 1789, 1881, 1893, 1957, 1997, 2048, 2171, 2218, 2287, 2273, 2337, 2368-2369, 2458, 2507, 2557, 2788, 2794, 2885, 2967, 3025, 3094, 3115, 3128, 3193, 3199, 3289-3270, 3286, 3460, 3503, 3617, 3800, 3830-3831, 3843, 3879, 3917, 3953, 3982, 4012, 4025, 4062, 4077, 4180, 4190, 4192
REPRODUCTION: 111, 458, 649, 858, 1131, 1606, 1917, 2345, 2665, 2686, 2753, 3235, 3259, 3488, 3773, 3798, 4024, 4121
REPTILES: 2404, 2553, 3258
RESEARCH: 284, 1107, 1322, 1485, 2478, 2663, 2881, 2953, 3346, 3963, 4145
RESEARCH DESIGN: 1787, 4174
RESERPINE: 64, 581, 993, 1068, 1239, 1251, 1328, 1352, 1393, 1508, 1558, 1600, 1857, 2198, 2458, 2647, 2891, 2747, 2791, 3581, 3568, 3673, 3657, 3871
RESIDENCE CHARACTERISTICS: 419, 3937
RESIDENTIAL MOBILITY: 3418
RESINS: 1092, 1479, 1507, 2547, 3392
RESORCINOL: 794, 3705
RESPIRATION: 73, 92, 299, 336, 347, 527, 638, 990, 1212, 1287, 1510, 2384, 2737, 3078, 3306, 3357, 3564, 3881, 3941, 4111
RESPIRATION, ARTIFICIAL: 1335
RESPIRATORS: 894
RESPIRATORY AIRFLOW: 2270
RESPIRATORY DEAD SPACE: 3941
RESPIRATORY DISTRESS SYNDROME: 1289, 4169
RESPIRATORY FUNCTION TESTS: 92, 904, 2405, 2911, 2948
RESPIRATORY HYPERSENSITIVITY: 2398
RESPIRATORY INSUFFICIENCY: 280, 355, 894, 904, 1057, 1335, 2045, 2271, 2722, 3139
RESPIRATORY SYSTEM: 58, 209, 921, 2736, 3226
RESPIRATORY TRACT DISEASES: 1057, 3228, 4214
REST: 363, 1998, 2500, 3237
RESUSCITATION: 310, 881
RETICULAR FORMATION: 465, 1511, 1884, 1942, 2206, 2235, 2275, 2844, 2985, 3135, 3799, 3918
RETICULOCYTES: 2818, 3075, 3778
RETICULOENDOTHELIAL SYSTEM: 812, 832, 2944
RETICULOENDOTHELIOSIS: 872, 1208, 2343
RETINA: 1127, 2012, 2758, 3283, 3903
RETINAL ARTERY: 331
RETINAL DEGENERATION: 2349, 3283
RETINAL DETACHMENT: 2349
RETINAL DISEASES: 331, 2349, 3274
RETINAL PIGMENTS: 1127, 1431, 3283
RETINAL VEIN: 1526
RETINAL VESSELS: 1751, 1924, 2349
RETINITIS PIGMENTOSA: 1310, 2757, 2846, 3562
RETINOBLASTOMA: 2349
RETROPERITONEAL FIBROSIS: 3909, 4133
RETROPERITONEAL NEOPLASMS: 1747, 1853, 3697, 3811
RETROPERITONEAL SPACE: 1887
RETROSPECTIVE STUDIES: 56, 855, 999, 1641, 1928, 1954, 1973, 2024, 2706, 2785, 2788, 3281, 4199
REVERSAL LEARNING: 2882
REVERSE TRANSCRIPTASE: 2181
REVIEW: 2, 7, 18, 19, 23, 31, 52, 76, 102-103,

111, 130, 133, 145, 154, 175, 160, 209, 235, 241, 280, 310, 328, 355, 415, 421, 430, 438, 453, 455, 457, 485, 488, 493, 528, 531, 586, 595, 847, 849, 858, 872, 875, 701, 743, 748, 783, 847, 924, 932, 969, 987, 1033, 1049, 1089, 1073, 1085, 1092, 1095, 1097, 1123, 1130, 1134, 1154, 1181, 1191, 1193-1194, 1218, I227, 1237, 1241, 1245, 1273, 1322, 1336, 1359, 138I, 1383, 1388, 1407, 1425, 1431, 1511, 1520, 1565-1568, 1820-1821, 1823, 1837, 1841, 1872, 1884-1885, 1890-1891, 1895, 1701, I704-1708, 1719-1720, 1725, I734, 1738, 1744, 1784, 1822, 1832, 1847, 1652, 1858-1857, 1917, 1935, 1949, 1998-1999, 2012, 2043, 2050, 2095, 2114, 2145, 2218-2217, 2227, 2231, 2237, 2248, 2251, 2282, 2310, 2332, 2345, 2393, 2425, 2428-2429, 2438, 2480, 2468, 2500, 2502, 2504, 2507, 2519, 2529, 2551, 2553, 2589, 2574, 2594, 2808, 2817, 2829, 2731, 2745, 2747, 2749, 2758-2759, 2768, 2772, 2783-2784, 2794, 2798, 2880, 2884, 2890, 2915, 2923, 2948, 2974, 3002-3003, 3013, 3045, 3052, 3079, 3100, 3153, 3172, 3207, 3224, 3259, 3271, 3307, 3330, 3339, 3354, 3371, 3384, 3386-3387, 3391, 3399, 3415, 3488, 3470, 3475, 3499, 3515, 3543, 3592, 3845, 3848, 3859, 3888, 3883, 3894, 3745, 3752, 3759, 3781, 3783, 3808, 3811-3812, 3822, 3838-3839, 3850, 3895, 3915, 3922, 3958, 3989, 3980, 4020, 4025, 4040, 4081-4082, 4119, 4135, 4197, 4199, 4208, 4214
REWARD: 127, 151, 312, 3120, 3580, 3842-3843, 4070
RH FACTORS: 1778, 3052, 3798
RHABDOMYOSARCOMA: 359, 1992, 3030, 3313, 3536
RHEOLOGY: 3504, 3889
RHEUMATIC HEART DISEASE: 2335
RHEUMATISM: 205, 1830, 1887, 1790, 1990, 3592
RHEUMATOID FACTOR: 3408
RHINITIS: 3295
RHINITIS, ATROPHIC: 883
RIBOFLAVIN: 2052
RIBONUCLEASE: 201, 249, 474, 827, 1951, 1995, 2312, 3180, 3847, 3792, 3881, 4053
RIBONUCLEOSIDES: 3539
RIBONUCLEOTIDES: 3183
RIBOSE: 1820, 2688
RIBOSOMES: 356, 480, 879, 951, 1018, 1081, 1301, 1384, 1424, 1494, 1599, 1818, 2499, 2805, 3329, 3778, 3802
RIBS: 422, 2242, 2358, 3731, 3897
RICKETS: 58, 88, 188, 210, 880, 720, 1037, 1073, 1281, 1518, 1815, 1948, 2200, 2207, 2419, 2820, 3403, 3543, 3784, 3827, 4191
RICKETS, VITAMIN D RESISTANT: 133, 2718, 3348, 3979
RICKETTSIA TYPHI: 1342
RIFAMPIN: 2835, 3040
RISTOMYCIN: 468
RNA: 52, 212, 301, 303, 553, 821, 827, 858, 745, 772, 885, 950, 1241, 1320, 1520, 1850, 1718, 1719, 1781, 1951, 2014-2015, 2178, 2310, 2324, 2341, 2391, 2412, 2490, 2499, 2688-2687, 2689, 2717, 2777, 2791, 2801, 2833, 2838, 2888, 2951, 3019, 3180, 3189, 3212, 3234, 3251, 3290, 3318, 3329, 3410, 3415, 3528, 3881, 3954, 4139
RNA, MESSENGER: 879, 1375, 1884, 2633, 2835, 2802, 2805, 3075, 3153, 3242, 3275, 3415, 3792, 3987, 4082
RNA, NEOPLASM: 1400, 2982, 3331
RNA NUCLEOTIDYL- TRANSFERASES: 581, 2499
RNA POLYMERASE: 1375, 2249, 2574, 2805, 3050, 3339
RNA, RIBOSOMAL: 1105, 2015, 2182, 3111, 3189, 3212, 3275, 3691, 3954
RNA, TRANSFER: 201, 474, 879, 1828, 3415
RNA, VIRAL: 2181, 3894
RNA VIRUSES: 3850, 4038
RODENT DISEASES: 85, 1039, 1713, 2287, 3497, 3553
RODENTS: 38, 850, 874, 858, 2389, 3410, 3497, 3553
RODS AND CONES: 1431
ROLE: 3110, 3719
ROOT CANAL FILLING MATERIALS: 974
ROOT CANAL THERAPY: 974, 2872, 3774
RORSCHACH TEST: 2877
ROSACEA: 3250, 4193
ROTATION: 1511
ROUS SARCOMA VIRUS: 493, 2181
RUBELLA: 1472, 2875, 3575
RUBELLA VACCINE: 1472
RUBIDIUM: 788, 1422, 1431, 2881, 3978
RUMANIA: 2478, 2854, 2953, 3200
RUPTURE: 844, 890, 2857, 3314
RUPTURE, SPONTANEOUS: 905, 2449
RURAL POPULATION: 1073
RUTHENIUM: 882, 988, 3148
RUTIN: 487, 3322, 3705
SACCHARIN: 3593
SACCHAROMYCES: 2039, 3015
SACCHAROMYCES CEREVISIAE: 1075, 2224, 3143, 3293, 3389
SACROCOCCYGEAL REGION: 885
SACROILIAC JOINT: 894
SACRUM: 2909
SALAMANDERS: 271, 702, 707, 1186, 1317, 3883
SALAMANDRA: 1188
SALICYLATES: 1448, 1740, 1835, 1900, 1906, 2747, 2911
SALICYLAZOSULFAPYRIDINE: 323, 997, 3198
SALICYLIC ACID: 821, 1996
SALIVA: 89, 1157, 1463, 2025-2028, 2028-2029, 2095, 2881, 2993, 3352, 3557, 3885, 4047, 4062
SALIVARY GLAND DISEASES: 1894
SALIVARY GLANDS: 188, 481, 945, 1157, 1328, 1438, 1492, 1981, 2095, 2344, 2881, 2972, 3557, 4047
SALIVATION: 1157, 2881, 4062
SALMON: 1456, 1680, 2666, 3958
SALMONELLA: 343, 426, 3853
SALMONELLA TYPHIMURIUM: 474, 2979
SALMONIDAE: 1137, 2724, 3445, 4001
SALTS: 1084, 4188
SAMARIUM: 1835
SAPHENOUS VEIN: 2967
SAPONINS: 2495
SARCOIDOSIS: 133, 410, 1004, 1298, 2281, 2359, 3214, 3282, 3470, 3790, 4127
SARCOLEMMA: 889, 2268, 3298
SARCOMA: 1540, 1805, 2183, 2274, 3209, 3722, 3728
SARCOMA 180, CROCKER: 2039
SARCOMA, EWING'S: 1026, 1032
SARCOMA, EXPERIMENTAL: 597, 1978, 2297, 3299, 3574, 3793, 4075
SARCOMA, JENSEN: 3010
SARCOMA, KAPOSI'S: 1438
SARCOMA, MAST CELL: 1490, 1551
SARCOMA, OSTEOGENIC: 873, 2336, 2342
SARCOMA, RETICULUM CELL: 80, 550, 763, 1028, 1325, 1489, 2107, 3166, 3599
SARCOPLASMIC RETICULUM: 565, 836, 882, 889, 1016, 1348, 1701, 1832, 2236, 2865, 3511, 4063, 4168
SARCOSINE: 1789
SATIATION: 127, 348, 839, 701, 1561, 2090, 2810, 3120, 4070
SCABIES: 2302
SCALP: 1059, 1388
SCALP DERMATOSES: 2838
SCANDIUM: 5, 1598
SCHIZOID PERSONALITY: 3110
SCHIZOPHRENIA: 20, 180, 1395, 2433, 2530
SCHIZOPHRENIA, PARANOID: 1040
SCHWANN CELLS: 3804, 4106
SCIATIC NERVE: 2593
SCIATICA: 2909
SCINTILLATION COUNTERS: 1545, 2575, 2834
SCLERA: 977, 2002, 2808, 3105, 3507, 3685
SCLERODERMA, SYSTEMIC: 1883, 2734, 3813
SCLEROSING SOLUTIONS: 3705
SCLEROSIS: 2058
SCOLIOSIS: 2229, 2342, 3888
SCOPOLAMINE: 247, 584, 3637, 4149
SCOTLAND: 3291
SCOTOMA: 1963
SCROTUM: 985, 2491
SCURVY: 2419
SEA URCHINS: 2844, 3037
SEASONS: 58, 111, 187, 349, 540, 580, 850, 874, 828-829, 849, 852, 858, 1017, 1061, 1131, 1398, 1442, 1488, 1555, 1725, 1782, 2307, 2355, 2435, 2857, 3003, 3112, 3235, 3285, 4041, 4102
SEAWATER: 1113-1114, 1277, 1829, 2612, 2646, 3578
SEBACEOUS GLANDS: 874, 1596, 1831, 2326, 3232, 3543, 3892, 4030
SEBORRHEA: 1459, 2838, 2989, 3407, 4172
SEBUM: 1847, 2083, 3407, 4030
SECOBARBITAL: 477
SECRETIN: 457, 856, 1449, 1585, 3330, 3504
SECRETORY RATE: 171, 243, 434, 546, 580, 603-604, 830, 1011-1012, 1448, 1778, 2191, 2267, 2348, 2782, 3134, 3330, 3340, 3550, 3634, 3824, 3843, 3915, 4108
SEEDS: 120, 2959
SELECTION (GENETICS): 1257, 2075, 3641, 3853, 4024
SELENIUM: 415, 1756, 2383, 2579, 3572
SELF CONCEPT: 2527-2528, 2677, 3719
SELF MEDICATION: 253, 477, 741
SELF STIMULATION: 127, 151, 312, 574, 1235, 2892, 3004, 3233, 3285, 3412, 3580, 3642-3643, 4070
SELLA TURCICA: 283, 931, 1892, 2093, 2362, 2850, 3722, 3813
SEMEN: 381, 472, 635, 803, 1017, 1425, 1588, 1661, 1975, 2070, 2072, 2345, 2414, 2995, 3027, 3039, 3148, 3179, 3264, 3300, 3899, 3753, 4090, 4179
SEMICARBAZIDES: 3357
SEMINAL VESICLES: 213, 243, 389, 483, 505, 525, 858, 1356, 1466, 1603, 1796, 1841-1842, 1997, 2345, 2506, 2713, 2717, 2792, 3014, 3298, 3368, 3497, 3542, 3663, 3667, 3677, 3840, 4090
SENEGAL: 3728
SEPTAL NUCLEI: 2893, 3340
SEPTICEMIA: 817, 1890, 1926, 3463, 4015
SEPTUM PELLUCIDUM: 955, 1497, 1744, 1936, 1938, 2285, 2893, 3340, 4070
SERINE: 679, 2281, 2453, 2623, 3144, 3778
SERINE DEHYDRATASE: 2019, 2261, 3263
SERODIAGNOSIS: 634, 1272, 2880
SEROTONIN: 6, 12, 29, 39, 53, 148, 158, 192, 222-223, 256, 325, 336, 348, 353, 393-394, 401, 408, 470, 491, 526, 547, 554, 637, 656, 673, 735, 739, 744, 760, 771, 782, 794, 817-818, 896, 953, 1007, 1041, 1067-1068, 1138, 1172-1173, 1226, 1232, 1237, 1239, 1251, 1291, 1327, 1331, 1348, 1351-1352, 1395-1396, 1399, 1426, 1440, 1448-1449, 1471, 1483, 1486, 1535, 1556, 1573, 1605, 1852, 1857, 1712, 1719-1720, 1736, 1884, 1936, 1941, 1952, 1982, 1987, 2040, 2042, 2059-2060, 2067, 2101, 2132, 2140, 2147, 2185, 2301, 2348, 2427, 2434, 2436, 2462, 2521, 2541, 2544, 2572, 2598, 2603, 2610, 2641, 2647, 2876, 2878, 2923, 2925, 2930, 2965, 2985, 3056, 3154, 3191, 3267, 3357, 3381, 3385, 3426, 3452, 3525, 3581, 3568, 3618, 3637, 3664, 3754, 3799, 3805, 3896, 3968-3969, 3975, 3980, 3991, 4052, 4059, 4136, 4157
SEROTYPING: 453
SERTOLI CELL TUMOR: 359, 1747
SERTOLI CELLS: 187, 366, 835, 1118
SERUM ALBUMIN: 194, 443, 720, 1092, 1165, 1275, 1381, 1440, 1527-1528, 1898, 1801, 1821, 2500, 2618, 2722, 2751, 2758, 2802, 2906, 3033, 3092, 3153, 3329, 3555, 3608, 3735, 3921
SERUM ALBUMIN, BOVINE: 370, 425, 523, 530, 578, 619, 857, 732, 854, 1063, 1378, 1437, 1549, 2049, 2102, 2344, 2380, 2824, 2878, 2958, 3136, 3343, 3383, 3615, 3737-3738, 3921, 3957, 4109
SERUM ALBUMIN, RADIO-IODINATED: 1275, 1306, 1748, 1946, 2259, 2693, 3196, 3324, 3608, 3978, 4051
SERUM GLOBULINS: 14, 495, 1071, 1092, 1698, 2321-2322, 2500, 2802, 3369
SERUM SICKNESS: 2031
SESAME OIL: 3662
SEX: 2527-2528, 3110, 3719, 4189
SEX BEHAVIOR: 1754, 2429, 2527-2529, 2532, 2677, 3379, 3719, 3920, 4189
SEX BEHAVIOR, ANIMAL: 348, 559, 613, 709, 858, 1035, 1336, 1354, 1593, 1771, 2196, 2299, 2429, 2460, 2521, 2844, 2862, 2869, 2891, 3135, 3147, 3368, 3906, 4136
SEX CHARACTERISTICS: 365, 811, 918, 1269, 1849, 2487, 2528, 4189
SEX CHROMATIN: 122, 234, 361, 375, 464, 774, 864, 1201, 1442, 1687-1688, 1718, 1849, 1919, 2038, 2094, 2385, 3126, 3213, 3527, 3534, 3851, 3997
SEX CHROMOSOME ABNORMALITIES: 138, 198, 235, 260, 315, 365, 387, 464, 635, 820, 838, 1201, 1297, 1538, 1716, 1728, 1849, 1919, 2010, 2038, 2251, 2336, 2487, 2527, 2535, 2582, 2656, 2677, 2679-2680, 2998, 3119, 3336
SEX CHROMOSOMES: 99, 198, 206, 265, 345, 362, 364-365, 375, 424, 444, 451, 464, 570, 698, 754, 756, 770, 860, 895, 952, 976, 1015, 1228, 1257, 1271, 1308-1309, 1353, 1362, 1465, 1491, 1538, 1608, 1614, 1639, 1645, 1687, 1711, 1814, 1901, 1903, 1991, 2014-2015, 2022-2023, 2164, 2184-2185, 2190, 2308, 2340, 2345, 2349, 2350-2361, 2385,

2440, 2478, 2487, 2568, 2582, 2676, 2676, 2804, 2642-2843, 2979, 3000, 3126, 3163, 3276, 3290, 3295, 3327, 3345, 3362, 3379, 3424, 3446, 3526-3527, 3551, 3565, 3582, 3586, 3658, 3691, 3773, 3839, 3851, 3925, 3954, 3979, 4067, 4175, 4189
SEX DETERMINATION: 279, 365, 664, 1309, 1312, 1538, 1688, 1796, 1849, 1991, 2429, 2476, 2487, 3013, 3261, 3321, 3327-3328, 3527, 4166, 4196, 4200
SEX DEVIATION: 220, 733, 2429, 3891, 3920
SEX DIFFERENTIATION DISORDERS: 365, 2464, 2487, 2527-2528, 3068, 4020, 4189, 4196
SEX DISORDERS: 262, 2677, 3920
SEX EDUCATION: 960, 1754
SEX FACTORS: 32, 43, 58, 174, 200, 256, 261, 297-298, 340, 403, 413, 415, 445, 464, 489, 495, 534, 575, 670, 698, 700, 709, 720, 628, 880, 695, 916, 978, 982-984, 1025, 1047, 1063, 1106, 1136, 1191, 1248, 1274, 1305, 1466, 1484, 1597, 1658, 1680, 1713, 1726, 1762, 1771, 1797, 1619, 1856, 1881, 1916, 1940, 1999, 2034, 2065, 2075, 2060, 2094, 2117, 2142, 2201, 2245, 2251, 2312, 2316, 2325, 2326, 2335, 2506, 2558, 2599, 2625-2626, 2649, 2665, 2690, 2693, 2705, 2710, 2760, 2766, 2613, 2836, 2669, 2930, 2972, 3003, 3019, 3102, 3131, 3170, 3265, 3349, 3354, 3368, 3403, 3431, 3593, 3601, 3611, 3629, 3644, 3652, 3871, 3686, 3724, 3746, 3619, 3851, 3896, 3948, 3992, 4121, 4126, 4153, 4176
SEX HORMONES: 273, 319, 723, 601, 1033, 1035, 1197, 1336, 1407, 1484, 1734, 1967, 2251, 2305, 2529, 2569, 2744, 2884, 3287, 3386, 4169
SEX OFFENSES: 733, 2429
SEX RATIO: 361, 3321
SEX REVERSAL, GONADAL: 445, 2201, 2429, 4110
SHARKS: 1660
SHEEHAN'S SYNDROME: 140, 460, 2898, 3681
SHEEP: 13, 31, 37, 54, 153, 159, 311, 324, 347, 349, 370, 413, 420-421, 436, 453, 505, 516, 523, 568, 576-579, 591, 621, 699, 747, 752, 764, 790, 639, 665, 941, 953, 970, 1017, 1052, 1086, 1131, 1166, 1223, 1332, 1359, 1394, 1437, 1448, 1498, 1504, 1531, 1569, 1574, 1617, 1659, 1775, 1767, 1917, 2074, 2091, 2133, 2169, 2197, 2210, 2240, 2257, 2272, 2304, 2350, 2379, 2393, 2432-2433, 2589, 2595, 2607, 2811, 2856-2657, 2907, 3029, 3067, 3093, 3096, 3140, 3150, 3157, 3204, 3207, 3254, 3269, 3304, 3325, 3332, 3382, 3454, 3529, 3596, 3727, 3737, 3836, 3840, 3860, 3860, 3916, 3942, 3958, 4043, 4090, 4124, 4169
SHEEP DISEASES: 349, 453, 1017, 1066, 1504, 2240, 2272, 2262, 2393, 3304
SHIGELLA DYSENTERIAE: 1067
SHIVERING: 347, 1066, 2486, 3721
SHOCK: 310, 430, 674, 2113, 2911, 3500
SHOCK, CARDIOGENIC: 430, 651
SHOCK, ENDOTOXIC: 762, 1448, 1749, 2911, 3463
SHOCK, HEMORRHAGIC: 260, 430, 1024, 2911, 2947, 4111
SHOCK, SURGICAL: 1706
SHOCK THERAPY, ELECTRIC: 1452
SHOCK, TOXIC: 430, 1296
SHOCK, TRAUMATIC: 667
SHOULDER: 2176, 2424
SHOULDER-HAND SYNDROME: 536
SHOULDER JOINT: 1663
SHWARTZMAN PHENOMENON: 692, 2986
SILICA: 1516, 1673, 2078
SILICON: 1034, 1559, 2487, 2548
SILICONE ELASTOMERS: 504, 2770, 3397
SILICONES: 2157, 2668
SILVER: 646, 2161
SILVER NITRATE: 1369
SINGAPORE: 2111
SINO-ATRIAL NODE: 636, 1736
SINUS THROMBOSIS: 2861
SJOGREN'S SYNDROME: 2733, 3613, 4062
SKIN: 133, 228, 313, 379, 450, 466, 608, 707, 743, 753, 756, 771, 612, 655, 695, 925, 935, 945, 955, 1038-1039, 1150, 1204, 1241, 1304, 1323, 1349-1351, 1370, 1376, 1527, 1586, 1596, 1598, 1604, 1620, 1847, 1946, 1999, 2039, 2043, 2088, 2172, 2249, 2334, 2367, 2370, 2469-2470, 2476, 2564, 2582, 2590, 2681, 2703, 2736, 2792, 2839, 2849, 2976, 2992, 3015, 3307, 3331, 3508, 3543, 3554, 3557, 3564, 3571, 3608, 3650, 3685, 3887, 3889, 3901, 3913, 3925, 3985, 4020, 4041, 4079-4080, 4122
SKIN ABSORPTION: 1204, 1385, 2086, 2681, 3307, 3543
SKIN APPENDAGE DISEASES: 2931
SKIN DISEASES: 313, 715, 757, 1133, 1764, 1635, 1999, 2244, 2519, 3220, 3307, 3438, 3470, 3571, 3845, 3862, 3971, 4167, 4193, 4202
SKIN DISEASES, INFECTIOUS: 1690, 3106
SKIN MANIFESTATIONS: 410, 2422, 2731, 3102
SKIN NEOPLASMS: 170, 450, 492, 948, 1023, 1065, 1540, 1604, 2161, 2260, 2274, 2483, 3010, 3294, 3331, 3811, 3982
SKIN TEMPERATURE: 969, 2486, 2976, 3650
SKIN TESTS: 313, 685, 655, 1323, 1468, 1656, 1667, 2455, 2610, 3485, 3801, 3869, 4090
SKIN ULCER: 655
SKULL: 26, 410, 519, 599, 1264, 1456, 1973, 2173, 2679, 3351, 3897, 3902, 4056, 4105
SKULL FRACTURES: 236, 1154
SKULL NEOPLASMS: 3722
SLEEP: 65, 325, 515, 539, 937, 1395-1396, 1634, 1962, 2016, 2060, 2371, 2384, 2544, 2965, 3043, 3452
SLEEP DEPRIVATION: 2939
SLEEP DISORDERS: 1396
SLEEP, REM: 1395, 2544, 2730, 3452, 3568
SLEEP STAGES: 1396, 2016, 2730
SLOW REACTING SUBSTANCES: 4032
SMALLPOX VACCINE: 2286, 4211
SMELL: 709, 1390, 1514, 2090
SMOKING: 726, 1136, 2265, 2915, 3237, 3666, 3842, 4126, 4162, 4174, 4164
SNAILS: 506
SNAKE BITES: 2942
SNAKES: 1158, 3710, 3977
SOCIAL BEHAVIOR: 1514, 3142
SOCIAL BEHAVIOR DISORDERS: 638, 1754, 2535
SOCIAL CHANGE: 3416
SOCIAL CLASS: 419
SOCIAL DOMINANCE: 47, 1354, 2869
SOCIAL ENVIRONMENT: 2930
SOCIAL ISOLATION: 1025, 1656, 2232, 4191
SOCIAL PROBLEMS: 1754
SOCIAL VALUES: 3937
SOCIETIES, MEDICAL: 4177
SOCIOECONOMIC FACTORS: 276, 1073, 1193, 2742, 3076, 3474
SOCIOPATHIC PERSONALITY: 2535
SODIUM: 2-3, 19, 134, 154, 169, 175, 209, 215, 236, 255, 267, 299, 381, 423, 465, 500, 513-514, 520, 577, 583, 601, 629, 687, 697, 741, 753, 760, 615, 624, 626, 654, 699, 910, 922, 962, 964, 1021, 1046, 1050, 1083, 1113-1114, 1127, 1141, 1168, 1246, 1265, 1277, 1392, 1401, 1421-1422, 1431, 1470, 1554, 1611, 1619, 1633, 1735, 1791, 1629, 1658, 1927, 1942, 1956-1957, 1972, 1995, 1998, 2020, 2032, 2048, 2086, 2093, 2105, 2137, 2139, 2147, 2153, 2179, 2267, 2356, 2408, 2428, 2432, 2501, 2507, 2517-2519, 2568, 2593, 2612, 2642, 2646, 2658, 2681, 2766, 2790, 2865, 2950, 2961, 2964, 2994, 2996, 3035, 3051, 3057, 3059, 3090, 3092, 3144, 3159, 3174, 3179, 3193, 3288, 3304, 3330, 3360, 3475, 3493, 3509, 3520, 3549, 3617, 3633, 3701-3702, 3800, 3844, 3855, 3885, 3901, 3911, 3917, 3953, 3962, 3976, 3981, 4003, 4017, 4039-4040, 4048, 4062, 4077
SODIUM CHLORIDE: 19, 100, 107, 163, 167, 176, 307, 423, 514, 703, 766, 1028, 1141, 1146, 1167, 1291, 1444, 1611, 1681, 1735, 1880, 2000, 2076, 2133, 2137, 2162, 2211, 2259, 2376, 2501, 2511, 2580, 2593, 2603, 2949, 3011, 3115, 3673, 3762, 3911, 3953, 3966, 4012, 4039, 4069
SODIUM DODECYL SULFATE: 161, 256, 654, 1127, 1213, 1740, 1752, 2894, 3144, 3164, 3769, 3820, 4036
SODIUM HYDROXIDE: 706, 1051
SODIUM ISOTOPES: 964, 2105, 3360
SOLUBILITY: 94, 203, 394, 557, 706, 1100, 1173, 1200, 1244, 1348, 1672, 2076, 2387, 2525, 3137, 3161, 3404, 3559, 3685
SOLUTIONS: 322, 557, 563, 629, 621, 696, 1632, 1759, 2611
SOLVENTS: 33, 79, 322, 435, 530, 1252, 1293, 1938, 2049, 2538, 3093, 3363, 3397, 3404, 3601, 3771, 3993, 4109
SOMATOMEDIN: 316
SOMATOSENSORY CORTEX: 212, 1413, 3794
SOMATOTROPIN: 102, 119, 161, 200, 311, 316, 431, 476, 484, 487, 586, 607, 700, 635, 639, 676, 1009, 1039, 1052, 1107, 1163, 1208, 1225, 1275, 1407, 1414, 1473, 1497, 1524, 1553, 1569, 1612, 1643-1644, 1713, 1770, 1650, 2016, 2100, 2160, 2193, 2197, 2216, 2379, 2446, 2506, 2589, 2576, 2619, 2649-2650, 2676, 2653, 2664, 3034, 3046, 3059, 3176, 3206, 3217, 3253, 3268, 3346, 3439-3440, 3442, 3532, 3602, 3622, 3707, 3757-3756, 3769, 3834, 3841, 3854, 3860, 3914, 3926, 4004, 4072, 4076, 4166
SORBITOL: 3317
SOTALOL: 11, 159, 2132
SOUND: 2206
SOY BEANS: 1970, 2074, 3266
SPACE FLIGHT: 3346
SPACE PERCEPTION: 364, 1707
SPASM: 3057
SPASMOPHILIA: 1933
SPECIAL LIST DENTAL: 254, 605, 1374, 1537, 1626, 2588, 2591, 2748, 2672, 3155
SPECIAL LIST FOREIGN: 244, 536, 2084, 2147, 2638
SPECIAL LIST NURSING: 67, 927, 1532, 2403, 3099
SPECIAL LIST REPRODUCTION: 73, 129, 242, 266, 390-391, 448, 471, 496, 505, 546, 603-604, 609, 777, 901, 995, 1267, 1394, 1426, 1569, 1567, 1766-1767, 1621, 2032, 2058, 2130, 2209, 2273, 2316, 2351-2352, 2423, 2466-2467, 2575, 2701, 2715, 2651, 2670, 3039, 3076, 3101, 3210, 3350, 3356, 3434, 3516, 3522, 3529, 3615, 3667, 3738, 3846, 3956, 4096
SPECIALTIES, MEDICAL: 417
SPECIES SPECIFICITY: 40, 50, 279, 336, 460, 566, 574, 702, 709, 755, 765, 996, 1036, 1083, 1191, 1214, 1332, 1359, 1425, 1437, 1444, 1574, 1680, 1735, 1750, 1752, 1767, 1807, 1809, 1917, 1940, 2057, 2103, 2145, 2179, 2210, 2294, 2408, 2480, 2612, 2754, 2862, 2891, 2979, 2993, 3111, 3142, 3228, 3230, 3256, 3277, 3286-3269, 3473, 3684, 3727, 3769, 3826, 3906, 4124
SPECIFIC GRAVITY: 683
SPECTROPHOTOMETRY: 134, 308, 376, 521, 654, 731, 1173, 1161, 1252, 1290, 1458, 1602, 1710, 1625, 1951, 2042, 2406, 2444, 2538, 2579, 2687, 2732, 3020, 3062, 3080, 3096, 3276, 3331, 3534, 3557, 3667, 4073
SPECTROPHOTOMETRY, ATOMIC ABSORPTION: 76, 381, 910, 1433, 1714, 1607, 2091, 2241, 2540, 2714, 3134, 4068, 4134
SPECTROPHOTOMETRY, INFRARED: 659, 1222, 1905, 3363, 3832-3833, 3939, 3957, 3996
SPECTROPHOTOMETRY, ULTRAVIOLET: 153, 532, 587, 654, 706, 755, 1222, 1244, 1346, 1516, 1646, 1760, 1760, 1767, 1665, 1905, 2143, 2438, 2480, 2482, 2866, 3014, 3685, 3716, 3771, 3795, 3816, 3820, 3833, 3977, 3996, 4011
SPECTRUM ANALYSIS: 137, 590, 1044, 1322, 1457, 1914, 2389, 2400, 3661, 3860, 4033
SPEECH: 3280
SPEECH DISORDERS: 936, 1447
SPERM CAPACITATION: 1425, 1500, 1975, 1961
SPERMATIC CORD TORSION: 2158
SPERMATOGENESIS: 111, 483, 635, 650, 680, 1117-1116, 1215, 1544, 1592, 1604, 1606, 1661, 1716, 1980, 2007-2008, 2085, 2156, 2169, 2345, 2355, 2392, 2414, 2608, 2683, 2717, 3027, 3039, 3235, 3264, 3276, 3449, 3662-3663, 3686, 3746, 4054-4055, 4057, 4179
SPERMATOZOA: 54, 240, 381, 568, 635, 669, 603, 1017, 1028, 1116, 1200, 1215, 1269, 1339, 1425, 1460, 1465, 1534, 1599, 1606, 1629, 1636, 1661, 1710, 1716, 1767, 1669, 2008, 2070, 2072, 2345, 2414, 2421, 2565-2566, 2668, 2716, 2842-2843, 2908, 2955, 2963, 3000, 3039, 3146, 3179, 3264, 3350, 3369, 3526, 3753, 4057, 4124, 4158, 4179
SPERMIDINE: 428, 1562, 2040, 3180
SPERMINE: 428, 1562, 2040, 3180
SPHENOID BONE: 2376
SPHENOID SINUS: 1432
SPHEROPLASTS: 3389
SPHINGOLIPIDS: 3925
SPHINGOMYELINS: 817, 1269, 2955
SPINA BIFIDA: 468, 1000, 2229, 3443
SPINAL CORD: 192, 335, 620, 626, 787, 1079, 1184, 1219, 1327, 1382, 1732, 2122, 3298, 3442, 4139, 4151
SPINAL CORD COMPRESSION: 1004, 3046, 3348
SPINAL CORD DISEASES: 1136, 1184, 1447
SPINAL CORD NEOPLASMS: 3298, 3811
SPINAL DISEASES: 2481, 2808, 3348, 3450, 3519
SPINAL FUSION: 1000
SPINAL INJURIES: 403, 2359

SPINAL NEOPLASMS: 1184, 2359, 3068
SPINAL NERVES: 124
SPINAL OSTEOPHYTOSIS: 1806
SPINAL PUNCTURE: 2086, 3959, 4184
SPINE: 372, 1579, 3066, 3888
SPIRILLUM: 767
SPIRO COMPOUNDS: 245, 3014
SPIROMETRY: 42, 685, 1190, 1745, 1783, 2270, 2398
SPIRONOLACTONE: 156, 423, 902, 1125, 1134, 1259, 1335, 1466, 1678, 1888, 2171, 2450, 3113, 3348, 3442, 3633, 3672, 3800
SPIROSTANS: 3018
SPLANCHNIC NERVES: 255, 457, 1393, 1979, 3856
SPLEEN: 9, 48, 146-147, 342, 453, 517, 706, 769, 883, 935, 948, 982, 999, 1045, 1283, 1288, 1445, 1538, 1548, 1628, 1653, 1714, 1946, 1955, 1977, 1991, 1995, 2039, 2102, 2163, 2219, 2237, 2297, 2310, 2314, 2391, 2400, 2459, 2478, 2506, 2552, 2582, 2870, 2944, 2992, 3010, 3127, 3196, 3277, 3582, 3709, 3735, 3742, 4075, 4113, 4205
SPLENECTOMY: 145, 1104, 1171, 2795, 2809, 3990
SPLENIC DISEASES: 373, 410, 2944
SPLENIC NEOPLASMS: 197, 1283, 3213, 3811
SPLENOMEGALY: 59, 160, 2343, 3577
SPLINTS: 3432
SPONDYLITIS, ANKYLOSING: 894
SPORES, FUNGAL: 3815-3816
SPORT MEDICINE: 1538
SPORTS: 2388
SPREADING CORTICAL DEPRESSION: 3930
SPRUE: 288, 1768, 3081
SPRUE, TROPICAL: 1985
SPUTUM: 209, 3228, 3992
SQUID: 189, 1237, 1431, 2404
SQUIRRELS: 1138, 2488, 3978
SRS-A: 3598
STAINS AND STAINING: 3, 247, 387, 424, 506, 583, 874, 754, 756, 846, 883, 1188-1189, 1198, 1309, 1389, 1414, 1428, 1438, 1443, 1607, 1814, 2054, 2141, 2182, 2220, 2380, 2389, 2440, 2566, 2822, 2838, 2842, 2913, 3047, 3178, 3431, 3534, 3858, 3885, 3964, 4087
STANOLONE: 199, 339, 389-390, 1250, 1252, 1478-1477, 1578, 2413, 2490, 2805, 3232, 3506, 3912, 3994, 4020
STANOZOLOL: 390
STAPHYLOCOCCAL INFECTIONS: 817, 1088, 2917
STAPHYLOCOCCUS: 832, 1082, 1828, 2054
STARCH: 3218
STARFISH: 1411
STARTLE REACTION: 2641, 3340
STARVATION: 845, 1518, 1541, 2182, 2232, 2453, 2937, 3233, 3242
STATE MEDICINE: 1344, 3478
STATISTICS: 454, 780, 798, 918, 1204, 1228, 1247, 2070, 2396, 2810, 2891, 3141, 3598, 3720
STEARIC ACID: 1837
STEIN-LEVENTHAL SYNDROME: 1821, 1640, 1705, 1847, 1958, 1981, 2365, 3022, 4154
STEREOISOMERS: 11, 159, 194, 297, 1503, 1872, 2058, 2258, 2835, 2892, 3138, 3147, 3429, 3894, 4098
STEREOTAXIC TECHNICS: 29, 127, 142, 151, 159, 294, 527, 559, 574, 760, 1235, 1380, 1593, 2034, 2090, 2386, 2394, 2933, 3004, 3233, 3412, 3420, 3580, 3593, 3642-3643, 3674, 3758, 3794, 3799, 3893, 3944, 3965-3966
STERILITY: 1017, 1460, 1822, 2804, 3259, 3724, 3890
STERILITY, FEMALE: 86, 162, 1047, 1284, 1460, 1629, 1651, 1660, 1689, 1889, 1981, 2204, 2240, 2634, 2726, 3022, 3267, 3342, 3515, 4148, 4154
STERILITY, MALE: 222, 381, 635, 1017, 1117, 1225, 1460, 1544, 1599, 1606, 1767, 2007, 2009, 2038, 2158, 2414, 2606, 2668, 2682, 2963, 3146, 3179, 3264, 3350, 3526, 3548, 3688, 3699, 4054-4055, 4057
STERILIZATION: 1632
STERILIZATION, SEXUAL: 270, 749, 890, 1767, 2280, 2545, 2668, 2725, 3238, 3418
STERILIZATION, TUBAL: 778, 833, 1035, 2204, 2514
STERNUM: 911, 3804
STEROID HYDROXYLASES: 543, 654, 716, 880, 983, 1404, 1905, 2121, 2202, 2428, 2438, 2632, 2845, 3278
STEROIDS: 3, 245, 262, 308, 326, 337, 371, 455, 531, 562, 569, 580, 595, 606, 691, 796, 850, 926, 1207, 1234, 1322, 1339, 1424, 1503, 1560, 1596, 1672, 1680, 1748, 1802, 2119, 2188, 2244, 2363, 2700, 3018, 3139, 3929, 3993, 4094
STEROLS: 600, 1216, 1371, 1458, 2554, 3447, 3939, 4094
STILBENES: 213, 286, 492, 1082, 2209, 3231
STIMULATION, CHEMICAL: 29, 53, 74, 78, 88, 103, 125, 143, 148, 163, 334, 390, 406, 428, 452, 484, 498, 543, 575-578, 586, 603-604, 636, 688, 690, 701, 823, 832, 837, 914, 946, 970, 1016, 1028, 1031, 1035, 1041, 1072, 1137, 1185, 1366-1367, 1449, 1462, 1492, 1569, 1635, 1643, 1850-1651, 1693, 1719, 1829, 1857, 1910-1912, 1946, 1960, 1965, 2028, 2109, 2121, 2169, 2248, 2252, 2273, 2300, 2303, 2319, 2330, 2446, 2456, 2469, 2614, 2630, 2634, 2644, 2693, 2818, 2898, 2919, 2938, 2949, 2951, 3037, 3058, 3089, 3134, 3140, 3176, 3189, 3192, 3206, 3253, 3259, 3267, 3289, 3300, 3387, 3459, 3541, 3550, 3561, 3610, 3626-3627, 3682, 3684, 3734, 3765, 3781, 3807, 3843, 3941, 3972, 4001, 4039, 4086
STOMACH: 266, 558, 572, 595, 869, 884, 903, 909, 1045, 1067, 1170, 1350, 1440, 1448, 1653, 2039, 2145, 2313, 2459, 2609, 2760, 2774, 3127, 3173, 3408, 3475, 3975, 4107, 4119
STOMACH DISEASES: 2915
STOMACH NEOPLASMS: 1007, 1601, 2274, 2555, 2855, 2910, 3790
STOMACH ULCER: 558, 903, 1180, 2609, 2614, 2642, 2815, 3929
STOMATITIS: 997, 1487, 1802, 3545
STRABISMUS: 2846, 2964, 3443
STREPTOCOCCAL INFECTIONS: 1088, 2847
STREPTOCOCCUS: 1014, 1463, 3520
STREPTOCOCCUS AGALACTIAE: 2847
STREPTODORNASE AND STREPTOKINASE: 855
STREPTOKINASE: 2223
STREPTOMYCIN: 104, 1284, 2368, 2561, 3438, 4033, 4085
STREPTOZOTOCIN: 1554, 1561
STRESS: 9, 65, 85, 188, 454, 633, 878, 903, 1013, 1116, 1129-1130, 1147, 1178-1179, 1378, 1383, 1415, 1425, 1441, 1453, 1488, 1647, 1781, 1785, 1877, 1928, 1941, 2232, 2251, 2437, 2807, 3140, 3153, 3191, 3333, 3346, 3440, 3558, 3654, 3666, 3839, 3895, 3946, 4024, 4034, 4147
STRESS, MECHANICAL: 382, 440, 504, 1499, 2569, 2884, 3160, 3450
STRESS, PSYCHOLOGICAL: 101, 348, 486, 800, 1118, 2139, 2915, 3233, 3321, 3495
STRONGYLOIDEA: 1486
STRONTIUM: 11, 476, 549, 662, 766, 988, 1099, 2727, 2774, 3630, 4048
STRONTIUM ISOTOPES: 5, 805, 1099, 1313, 1422, 1598, 1724, 2533, 3630, 4178
STRUCTURE-ACTIVITY RELATIONSHIP: 50, 114, 120, 154, 159, 213, 220, 259, 394, 510, 532, 562, 615, 761-762, 854, 870, 973, 1020, 1081, 1128, 1172-1173, 1192, 1214, 1646, 1672, 1780, 1905, 2058, 2154, 2157, 2243, 2282, 2482, 2541, 2618, 3014, 3161, 3172, 3181, 3337, 3501, 3805, 3840, 3902, 3906, 3936, 3957, 3977, 3998, 4211
STRUMA OVARII: 1638, 3428
STUTTERING: 3839
STYRENES: 901, 1753, 3231, 4029
SUBARACHNOID HEMORRHAGE: 299, 2861
SUBCELLULAR FRACTIONS: 74, 154, 752, 962, 968, 2069, 2444, 2499, 2999, 3163, 3471, 3501, 3902
SUBCLAVIAN VEIN: 2877
SUBMANDIBULAR GLAND: 136, 174, 903, 1419, 1694, 3419, 3735
SUBMARINE MEDICINE: 238
SUBSTANTIA NIGRA: 2892, 3407, 3499, 3896
SUBTILISINS: 2293
SUBTRACTION TECHNIC: 3069, 3572
SUCCINATE DEHYDROGENASE: 30, 875, 1233, 1420, 1558, 1779, 2499, 3058, 3243, 3389, 3493, 3748, 3750, 3825, 3873, 4119
SUCCINATES: 45, 176, 370, 1875, 2049, 2073, 2175, 2214, 2247, 2606, 2915, 3199, 3248, 3263, 3737-3738, 3795, 4109
SUCCINIMIDES: 689, 721, 729, 3977
SUCCINYLCHOLINE: 1613, 2203, 4168
SUCKING BEHAVIOR: 786, 3752
SUCRASE: 1076, 2125
SUCROSE: 639, 657, 2286, 2999, 3103, 3211, 3242, 3471, 4046, 4112
SUDECK'S ATROPHY: 1883
SUICIDE: 300, 1754, 1925
SULFACETAMIDE: 95
SULFADIAZINE: 2431, 2912
SULFAMETHAZINE: 4085
SULFAMETHOXAZOLE: 1656, 2912
SULFANILAMIDE: 1224
SULFATASES: 1106, 1290, 1971, 2226, 2817, 3661
SULFATES: 79, 572, 575, 854, 1207, 1247, 1254, 1710, 1918, 1971, 2452, 2834, 3073, 3343, 3349-3350, 3419, 3441, 3883, 4106, 4158
SULFHYDRYL COMPOUNDS: 433, 597, 1348, 1377, 1492, 1620, 1729, 1898, 2040, 2293, 2451, 3149, 3955
SULFHYDRYL REAGENTS: 1419, 2214, 3957
SULFIDES: 706, 729, 1200, 1245, 1296, 1710, 2001
SULFINIC ACIDS: 859
SULFITES: 2438, 2580
SULFOBROMOPHTHALEIN: 343, 3272
SULFONAMIDES: 274, 617, 632, 917, 2084, 2747
SULFONIC ACIDS: 859, 1222, 4136
SULFONYLUREA COMPOUNDS: 1698, 1801, 3221
SULFUR: 3, 408, 972, 1193, 2099, 2579-2580, 3524
SULFUR ISOTOPES: 376, 854, 1207, 1971, 2098, 2195, 2299, 2579, 2866, 3670, 3699, 3903, 4106
SULFURIC ACIDS: 8, 50, 129, 880, 1578, 1611, 2426, 3744, 4034
SULFURTRANSFERASES: 1971, 1983
SUNLIGHT: 66, 4041
SUPERIOR COLLICULUS: 1511
SUPPOSITORIES: 4032
SUPPURATION: 1260
SURAL NERVE: 1472
SURFACE-ACTIVE AGENTS: 1075, 1100, 1345, 1611, 1761, 1832, 2387, 3278, 3404
SURFACE PROPERTIES: 285, 393, 797, 1672, 3850
SURFACE TENSION: 2387
SURGERY, MINOR: 3306
SURGERY, OPERATIVE: 264, 489, 1013, 1178-1179, 1453, 1622, 1876-1877, 2255, 2790, 4034
SURGERY, ORAL: 1622-1623, 1626
SURGERY, PLASTIC: 115, 2848
SURGICAL INSTRUMENTS: 115, 177
SURGICAL WOUND INFECTION: 905, 2246
SURVIVAL: 1571
SUSPENSIONS: 3005, 3487
SV40 VIRUS: 426, 602, 3479, 4101
SWEAT: 3600, 3885
SWEATING: 744, 3091
SWEDEN: 278, 284
SWINE: 3, 97, 102, 322, 413, 415, 443, 447, 463, 534, 547, 568, 671, 683, 789, 798, 933, 963, 979, 996, 1063, 1083, 1156, 1214, 1282, 1394, 1437, 1559, 1662-1663, 1710, 1787, 1821, 1852, 1937, 2000-2001, 2101, 2203, 2256, 2289, 2310, 2393, 2395, 2534, 2623, 2666, 2755, 2865, 3006, 3041, 3046, 3089, 3100, 3128, 3207, 3217, 3320, 3333, 3337, 3454, 3581, 3731, 3917, 3942, 3958, 4048, 4124, 4168
SWINE DISEASES: 683, 2282, 2393, 3333
SWITZERLAND: 733, 1747, 2044
SYMPATHECTOMY: 2041, 2813, 3056, 3842, 3856, 4126, 4184
SYMPATHETIC NERVOUS SYSTEM: 12, 16, 101, 124, 457, 580, 780, 903, 1415, 1471, 1762, 1979, 2504, 2784, 3091, 3512, 3561, 3758, 3895, 4192
SYMPATHOLYTICS: 953, 1866, 2097, 2235, 3079, 3208, 4209
SYMPATHOMIMETICS: 64, 2551, 3079, 3208, 3612, 3991
SYNAPSES: 25, 577, 1431, 1943, 2030, 2101, 2165, 3038, 3385, 3583
SYNAPTIC MEMBRANES: 25, 2310
SYNAPTIC VESICLES: 25, 141, 402, 970, 4052
SYNAPTOSOMES: 470, 970, 1556, 1936, 3338, 4052
SYNCOPE: 2861
SYNDACTYLIA: 372, 2123
SYNDROME: 43, 208, 331, 367, 519, 583, 599, 618, 643, 672, 712, 736, 826, 936, 954, 971, 1078, 1187, 1330, 1497, 1996, 2002, 2123, 2260, 2279, 2314, 2331, 2364, 2461, 2679, 2703, 2775, 2820, 2895, 2964, 3007, 3294, 3507, 3517, 3562, 3620, 3700, 3858, 3881, 4006, 4135
SYNOVIAL CYST: 2657
SYNOVIAL FLUID: 3319, 3846
SYNOVIAL MEMBRANE: 1527, 3319, 3354
SYNOVITIS: 1560, 3354
SYPHILIS: 60, 1772
SYPHILIS, CONGENITAL: 455, 3502
SYPHILIS SERODIAGNOSIS: 1170, 3502
SYRINGOMYELIA: 468
TABES DORSALIS: 468
TABLETS: 2611, 4198

TABOO: 2429
TACHYCARDIA, PAROXYSMAL: 3650
TACHYPHYLAXIS: 995, 3664, 3953
TAIL: 760, 3189
TAMPONS: 1357
TANNING: 998
TANNINS: 2764, 2969, 4204
TAPE RECORDING: 916
TARSAL JOINT: 3846
TARSAL TUNNEL SYNDROME: 1280
TARTRATES: 572, 3795
TASK PERFORMANCE AND ANALYSIS: 2737
TASTE: 639, 1455, 1561, 2145, 2285, 3120, 3593, 3966
TAURINE: 408, 556-557, 983-984
TAUROCHOLIC ACID: 556-557, 2137
TEA: 358
TECHNETIUM: 123, 1361, 1418, 1527, 1739, 1815, 1913, 1989, 2095, 2390, 2988, 3524, 3775, 4165
TECHNOLOGY, RADIOLOGIC: 640, 2459, 2750, 4010, 4208
TEGMENTUM MESENCEPHALI: 814, 1511, 2275, 3580
TELANGIECTASIS: 358, 1385, 2826, 3307, 3571
TELEMETRY: 3632
TELENCEPHALON: 353, 735, 739, 1605, 2541
TELEVISION: 2750
TEMPERATURE: 121, 267, 347, 460, 495, 520, 540, 571, 577, 631, 658, 869, 1012, 1048, 1064, 1112, 1161, 1174, 1381, 1455, 1527, 1843, 1725, 1767, 1797, 1809, 1918, 2214, 2288, 2444, 2466-2467, 2547-2548, 2557, 2807, 2746, 2792, 3031, 3050, 3080, 3118, 3247, 3320-3321, 3397, 3445, 3490, 3492-3493, 3526, 3566, 3710, 3724, 3745, 3765, 3853, 3878, 3917, 3923, 4024, 4110, 4124, 4157
TEMPERATURE SENSE: 955, 3467
TEMPLATES: 561, 2161, 2633
TEMPORAL ARTERITIS: 1751, 3813
TEMPORAL LOBE: 1148, 3920, 4065
TEMPOROMANDIBULAR JOINT: 1623, 3432
TEMPOROMANDIBULAR JOINT SYNDROME: 221
TENDONS: 3685
TENDONS, PARA-ARTICULAR: 2657
TENNESSEE: 1856
TENOSYNOVITIS: 668
TERATOID TUMOR: 112, 359, 555, 665, 991, 1638, 1747, 1992, 2832, 3169, 3213, 3437, 3535, 3708, 3775, 3875, 3947, 4016, 4117
TERPENES: 1370, 1639, 2367, 2915, 3199, 3331
TERRITORIALITY: 2882
TESTICULAR DISEASES: 1599, 2038, 2864, 3072, 3314, 3350, 4055, 4179
TESTICULAR FEMINIZATION: 367, 460, 773, 1329, 2416, 4020
TESTICULAR NEOPLASMS: 112, 252, 344, 359, 378, 525, 555, 665, 857, 991, 1308, 1747, 1667, 2158, 2168, 2274, 2765, 2867, 2929, 3107-3108, 3213, 3299, 3347, 3416, 3433, 3469, 3497, 3875, 3947, 4018, 4064, 4117
TESTIS: 12, 50, 111, 187, 213, 243, 247, 308, 348, 366, 376, 389, 441, 479, 483, 525, 555, 560, 568, 571, 593, 635, 650, 680, 686, 706, 723, 745, 773, 792, 622, 828-629, 658, 985, 992, 1138, 1197, 1215, 1301, 1312, 1337, 1392, 1402, 1404, 1437, 1445, 1534, 1544, 1557, 1575, 1592, 1595, 1803-1604, 1611, 1710, 1714, 1716, 1767, 1796, 1614, 1822, 1849, 1874, 1951, 1960, 1980, 2007-2008, 2010, 2038-2039, 2072, 2075, 2082, 2085, 2117, 2158, 2169, 2286, 2294, 2334, 2344-2345, 2355, 2392, 2402, 2414, 2421, 2426, 2438, 2458, 2474, 2491, 2493, 2506, 2522, 2534, 2606, 2626, 2631-2632, 2668, 2675, 2682-2683, 2713, 2717, 2724, 2779-2760, 2792, 2801, 2821, 2845, 2854, 2908, 2955, 2963, 2983, 2990, 3027, 3031, 3093, 3109, 3146, 3235, 3254, 3284, 3300, 3314, 3368-3369, 3374, 3380, 3401, 3439, 3446, 3489, 3497, 3527, 3542, 3570, 3621, 3639, 3662-3663, 3684, 3735, 3748-3749, 3753, 3757, 3886, 3945, 3994, 4005, 4019, 4021, 4054-4055, 4057, 4074, 4090, 4117, 4124, 4141, 4158, 4179
TESTOLACTONE: 1302
TESTOSTERONE: 32-33, 103, 140, 172-174, 179, 185, 199, 207, 297-298, 348, 356, 366, 389-390, 449, 495, 517, 546, 560, 562, 575, 593, 607, 611, 666, 670, 674, 686, 709, 734, 773, 792, 692, 916, 938, 943, 984, 992, 1031, 1035, 1047, 1059, 1110, 1117, 1197, 1206, 1248, 1250, 1304-1305, 1310, 1339, 1354, 1356, 1387, 1392, 1404, 1469, 1474, 1476-1477, 1549, 1576, 1596, 1680, 1691, 1726, 1748, 1771, 1600, 1820, 1623, 1631, 1641-1642, 1886, 1912, 1940, 1951, 2038, 2142, 2201-2202, 2205, 2212, 2243, 2251, 2258, 2266, 2305, 2320-2322, 2324, 2326, 2345, 2387, 2402, 2413, 2416, 2463, 2479-2480, 2490, 2520-2521, 2534, 2552, 2583, 2631-2632, 2680, 2683, 2890, 2893, 2705, 2780, 2792, 2828, 2833-2834, 2854, 2858, 2990, 2995, 3008, 3034, 3039, 3050, 3060, 3104, 3165, 3232, 3234, 3246, 3300, 3329, 3388, 3397, 3506, 3510, 3553, 3589, 3601, 3821, 3882, 3890, 3716, 3734, 3737, 3749-3750, 3757, 3807, 3889, 3892, 3948, 3957, 3994, 4005, 4019-4021, 4049, 4064, 4082, 4143, 4150, 4163
TETANUS: 3202, 3728
TETANUS TOXIN: 3202
TETANUS TOXOID: 3718
TETANY: 1412, 1717, 1925, 2044, 2592, 3304, 4042
TETRABENAZINE: 39, 4138
TETRACAINE: 1355, 3388
TETRACHLOROETHYLENE: 2604
TETRACYCLINE: 220, 261, 356, 414, 974, 1081, 1321, 1342, 1502, 1656, 1608, 1820, 2186, 2195, 2242, 4161
TETRAHYDROCANNABINOL: 505, 1719, 2386
TETRAHYDROCORTISOL: 181, 1176, 3898
TETRAHYDROCORTISONE: 161, 1176, 1259, 3896
TETRAHYDROFOLATE DEHYDROGENASE: 1669, 3271
TETRAHYDROFOLATES: 1620
TETRAHYMENA PYRIFORMIS: 2951
TETRAZOLIUM SALTS: 2087, 2191, 3591
TETRODOTOXIN: 2300, 3360, 3664
THAILAND: 3003
THALAMIC NUCLEI: 293, 908, 955, 2674
THALAMUS: 127, 151, 465, 1050, 1079, 1382, 1511, 1744, 1664, 1670, 2122, 2299, 2852, 2985, 3338, 3417, 3420, 3473, 3560, 3643, 4151
THECA CELL TUMOR: 1334, 1638, 2024, 2066, 4049
THEMATIC APPERCEPTION TEST: 2677
THEOPHYLLINE: 77, 334, 411, 452, 467, 521, 533, 606, 623, 653, 921, 1041, 1054, 1149-1150, 1316, 1338, 1633, 1636, 1646, 1934, 2091, 2284, 2291, 2303, 2329, 2406, 2495, 2961, 3209, 3275, 3315, 3335, 3781, 3808, 3815, 3834, 4046, 4079-4080, 4120
THERMODYNAMICS: 134, 1084, 1112
THERMOGRAPHY: 1677
THERMOLYSIN: 689, 1559, 3680, 4095
THERMORECEPTORS: 527, 955, 3467
THIABENDAZOLE: 1764
THIADIAZOLES: 97
THIAMINE: 110, 1714, 2497
THIAMINE DEFICIENCY: 1714
THIAMINE PYROPHOSPHATE: 271, 499
THIAZINES: 57, 1421, 4035
THIAZOLES: 304, 376, 510, 630, 922, 2262, 4035
THIGH: 170, 2491, 4108, 4164
THINKING: 4151
THIOCARBAMATES: 2302, 3840
THIOCYANATES: 134, 492, 515, 645, 689, 765, 913, 1048, 1084, 1136, 1158, 1463, 1559, 1700, 1727, 1773-1774, 1628, 1927, 2017, 2103, 2238, 2265, 2282, 2293, 2441, 2586, 2593, 2604, 2642, 2742, 3080, 3090, 3215, 3419, 3619, 3820, 4095
THIOGLYCOLATES: 2062
THIOGUANINE: 2671, 3216
THIOHYDANTOINS: 706, 3769
THIOPENTAL: 564, 638, 1613, 2790, 3360
THIOPHENES: 394, 761, 1652
THIOPROPERAZINE: 3285
THIORIDAZINE: 3544
THIOSEMICARBAZONES: 2161
THIOSULFATES: 1594, 1983, 3853
THIO-TEPA: 566
THIOURACIL: 120, 249, 1159, 1773-1774, 2354, 3457, 3553, 3694, 3825
THIOUREA: 44, 97, 441, 1976, 2116, 2161, 2969, 3040, 3455
THIRST: 1095, 1744, 2093, 2145, 2290, 2584, 3120-3121, 3513
THORACIC DISEASES: 21, 3367
THORACIC DUCT: 661, 2237
THORACIC NEOPLASMS: 3697, 3768, 3849
THORACIC RADIOGRAPHY: 66, 105, 422, 1109
THORACIC VERTEBRAE: 403, 2056, 2359, 3731
THORAX: 1258, 2229, 3485
THREONINE: 3144, 3415, 3776
THROMBELASTOGRAPHY: 1224, 4026
THROMBIN: 393, 3434, 4156
THROMBOANGIITIS OBLITERANS: 301, 728, 2041, 3592, 3842, 4128, 4184
THROMBOEMBOLISM: 152, 262, 328, 1841, 1737, 3770, 3934, 4059, 4199, 4209
THROMBOPENIA: 274, 1077, 1296, 1853, 2223, 2244, 3740
THROMBOPHLEBITIS: 326, 819, 2078, 2877, 3322, 3353, 3780, 4156, 4199
THROMBOSIS: 2223, 2234, 2602, 2877, 3178, 3319, 3572, 3761, 4116, 4156
THULIUM: 598
THYMECTOMY: 145-147, 258, 517, 531, 948, 1335, 1383, 1538, 1793, 2051, 2084, 2237, 2552, 3154, 3186, 3973
THYMIDINE: 298, 406, 517, 952, 1039, 1150, 1205, 1362, 1468, 1490, 1492, 1650, 1661, 1669, 1816, 2109-2110, 2367, 2827, 3154, 3331, 3595, 3602, 3658, 3668, 3703, 3760, 3970
THYMIDINE KINASE: 1616, 3734
THYMOL: 2313
THYMOMA: 258, 1446, 1490, 2051, 2870, 3726, 4207
THYMUS GLAND: 3, 58, 116, 119, 145-146, 258, 352, 425, 517, 581, 587, 705, 935, 948, 1039, 1143, 1283, 1383, 1444, 1536, 1653, 1743, 1793, 1609, 1909, 1955, 2297, 2552, 2733, 2779, 2974, 2992, 3154, 3166, 3196, 3581, 3709, 3946, 3973, 4095, 4207
THYMUS HYPERPLASIA: 258, 1948, 2685, 3726
THYMUS NEOPLASMS: 43, 258, 1263, 1446, 1743, 2051, 2297, 2670, 2733, 3726, 3790, 4207
THYROCALCITONIN: 171, 210, 328, 529, 534, 702, 932-933, 1089, 1227, 1238, 1429, 1456, 1585-1586, 1933, 2027, 2091, 2230, 2389, 2436, 2457, 2494, 2666, 2748, 3352, 3459, 3731-3732, 3822, 3951, 4001, 4144, 4170, 4201
THYROGLOBULIN: 164, 329, 489, 502, 522, 856, 677, 1170, 1213, 2524-2525, 2698, 2723, 2840, 3028, 3132, 3195, 3211, 3408, 3852
THYROGLOSSAL CYST: 2325
THYROID ANTAGONISTS: 1524, 1685, 2747, 3915, 4197
THYROID CRISIS: 1144
THYROID DISEASES: 62, 123, 233, 316, 373, 383, 764, 656, 947, 1092-1093, 1361, 1507, 1524, 1805, 1913, 2071, 2131, 2148, 2246, 2325, 2393, 2496, 2640, 2708, 3016, 3112, 3203, 3227, 3361, 3600, 3875-3676, 3693, 3791, 3837, 4093, 4116, 4118
THYROID GLAND: 16, 38, 82, 97, 121, 123, 171, 201, 233, 251, 295, 316, 322, 341, 437, 441, 459, 489, 498, 502, 522, 535, 539-540, 576, 596, 627, 634, 853, 707, 710, 769, 783, 613, 669, 677, 698, 941, 947, 972, 1005, 1011, 1072, 1092-1093, 1096, 1145, 1170, 1193, 1211, 1224, 1239, 1276, 1299, 1306, 1311, 1317, 1438, 1479, 1481, 1504-1506, 1527, 1591, 1649, 1653, 1742, 1774, 1790, 1795, 1897, 1906, 1939, 1946, 1970, 1974, 1988-1989, 2006, 2091, 2095, 2230, 2259, 2311, 2325, 2344, 2346, 2354, 2377, 2389, 2391, 2399-2400, 2433, 2471, 2496, 2508, 2525, 2581, 2656, 2661, 2688-2689, 2698, 2754, 2779, 2825, 2840, 2896, 2907, 2924, 2957, 2986, 3003, 3009, 3045, 3049, 3056, 3096, 3132, 3136, 3149, 3195, 3203, 3211, 3400, 3408, 3410, 3466, 3542, 3556, 3619, 3634, 3641, 3674, 3676, 3706, 3721, 3732, 3755, 3757, 3791-3792, 3804, 3837, 3852, 3907, 3915, 3919, 3923, 3946, 4041, 4102, 4108, 4110, 4115, 4118, 4165, 4208
THYROID GLAND FUNCTION TESTS: 14, 46, 56, 70, 116, 121, 233, 292, 314, 316, 329, 395, 427, 634, 1040, 1092, 1195, 1276, 1347, 1361, 1476, 1505, 1507, 1545, 1566, 1634-1635, 1649, 1668, 1729, 1742, 1795, 1615, 1913, 1974, 1989, 2131, 2311, 2316, 2346, 2391, 2399, 2547, 2650, 2708, 2767, 2899-2900, 2924, 2956, 3017, 3366, 3392, 3461, 3466, 3528, 3556, 3619, 3634, 3675-3676, 3706, 3791, 3837, 3899, 3915, 4165
THYROID HORMONES: 106, 233, 238, 295, 319, 340, 355, 388, 764, 1033, 1036, 1213, 1227, 1231, 1295, 1328, 1361, 1476, 1505, 1704, 1732, 1774, 1896, 1995, 2228, 2311, 2346, 2399, 2496, 2581, 2638, 2658, 2723, 2755, 2758-2759, 2784, 2896, 2899, 2923-2924, 3152, 3390, 3466, 3556, 3604, 3706-3707, 3872, 3897, 3923, 3958, 4006, 4093, 4103, 4139
THYROID NEOPLASMS: 63-84, 303, 346, 398, 431, 764, 698, 947, 1032, 1090, 1109, 1195, 1330, 1489, 1539, 1585-1586, 1683, 1723, 1731, 1742, 1755, 1805, 1881, 1913, 1962, 1974, 2221, 2230, 2325, 2436, 2448, 2457, 2483, 2494, 2524, 2571, 2640, 2720, 2726, 2848, 2898, 2910, 2936, 3133, 3241,

3361, 3459, 3536, 3644, 3693, 3790, 3835, 3919, 3952, 4061
THYROIDECTOMY: 56, 62, 106, 143-144, 212, 250, 539-540, 764, 905, 1005, 1029, 1072, 1163, 1317, 1506, 1539, 1774, 1812, 2081, 2084, 2091, 2221, 2263, 2399, 2436, 2494, 2640, 2899, 2923, 2966, 3058-3057, 3133, 3152, 3352, 3605, 3670, 3674, 3721, 3881, 3964, 4034, 4110
THYROIDITIS: 233, 656, 1121, 1524, 1605, 2071, 3009, 3049, 3136, 3973
THYROIDITIS, LYMPHOMATOUS: 522, 628, 764, 656, 915, 1093, 1478, 1524, 1605, 2071, 2325, 2439, 2723, 3502, 3858
THYRONINE: 295, 1213, 1245, 3445
THYROTROPIN: 56, 233, 250, 295, 329, 441, 459, 484, 496, 506, 578, 627, 841, 639, 691, 1005, 1092-1093, 1183, 1193, 1227, 1278, 1332, 1361, 1386, 1478, 1524, 1533, 1586-1567, 1612, 1835, 1795, 1880, 1930, 1988, 2174, 2218, 2250, 2344, 2417, 2427, 2819, 2621, 2787, 2840, 2898-2900, 2908, 2924, 2936, 3044-3045, 3059, 3083, 3208-3207, 3395, 3440, 3553, 3558, 3594, 3759, 3824, 3872, 3907, 3910, 3919, 3923, 4004, 4008, 4081, 4104, 4115
THYROTROPIN RELEASING FACTOR: 171, 329, 707, 710, 839, 945, 1092-1093, 1208, 1283, 1278, 1388, 1567, 1649, 1880, 1930, 2250, 2417, 2755, 2898-2900, 2906, 3045, 3207, 3395-3396, 3454, 3558, 3872, 3884, 4004, 4006
THYROXINE: 14, 48, 118, 121, 143, 171, 176, 194-195, 233, 250, 314, 318, 322, 329, 355, 395, 398, 459, 489, 539-540, 587, 578, 827, 641, 682, 783, 827, 932, 989, 972, 1005, 1011-1012, 1038, 1039, 1071, 1092-1093, 1159, 1213, 1221, 1231, 1245, 1278, 1317, 1381, 1388, 1478, 1485, 1508-1507, 1524, 1541, 1834-1835, 1642, 1697-1698, 1704, 1729, 1732, 1742, 1795, 1928, 1939, 1970, 1988, 2061, 2174, 2203, 2268, 2263, 2319, 2346, 2393, 2417, 2425, 2427, 2494, 2547, 2638, 2850, 2863, 2708, 2755, 2787, 2793, 2831, 2840, 2900, 2923-2924, 2956, 2978-2977, 3028, 3083, 3098, 3129, 3171, 3189, 3227, 3279, 3324, 3356, 3395, 3410, 3423, 3445, 3505, 3566, 3584, 3622, 3634, 3791, 3824-3825, 3837, 3899, 3915, 3923, 4027, 4093, 4102-4104, 4108, 4125, 4139, 4211
THYROXINE-BINDING PROTEIN: 14, 194-195, 1036, 1093, 1245, 1478, 1507, 1522, 1698, 2547, 2971-2972, 3466, 3755, 3826, 3915
TIBIA: 185, 463, 2977, 3160, 3531, 3602, 3757, 3964, 4111
TIBIAL FRACTURES: 1489, 2886
TIETZE'S SYNDROME: 3158
TIME: 1833
TIME FACTORS: 8, 23, 51, 54, 81, 89, 73-74, 93, 95, 144-145, 149, 155, 158, 188, 201, 207, 213, 238, 240, 248, 250, 284, 286, 278, 281, 289, 295, 298, 307, 313-314, 317, 319, 323, 330, 354, 374, 378, 399, 418, 423, 425, 434, 441, 443, 448, 452, 480-461, 470, 472, 489-490, 520, 525, 530, 545, 549, 553, 581, 588, 598, 601, 810, 821, 641, 647, 852, 855, 858-859, 883, 888, 874, 878, 680, 700, 705, 713-714, 718, 728, 734, 739, 745-746, 753, 756, 777-778, 789, 792, 798, 831, 844-845, 882, 873, 879, 882, 902, 904, 914, 933-934, 939, 945, 949-950, 984, 972, 982, 1005, 1010, 1012-1013, 1021-1022, 1024, 1028, 1031, 1035-1038, 1042, 1047, 1058, 1080, 1082, 1064, 1070, 1094, 1098, 1113-1114, 1123, 1131, 1150, 1173-1175, 1185, 1190, 1206, 1222, 1225, 1230, 1232, 1240, 1247, 1258, 1270, 1275, 1281, 1294, 1298, 1302, 1306, 1314, 1331, 1341, 1362, 1378, 1392, 1398, 1419, 1428, 1435, 1441, 1444, 1461, 1466, 1475, 1486, 1492-1493, 1500, 1503-1504, 1514, 1525, 1540, 1543, 1549-1550, 1553, 1555, 1557, 1567, 1569, 1574, 1584, 1587, 1599, 1604, 1617-1619, 1822, 1824, 1627, 1631-1632, 1634-1635, 1643-1644, 1647, 1850, 1861-1862, 1904, 1680, 1700, 1715, 1721, 1725-1728, 1738, 1758, 1763, 1776-1778, 1782, 1791, 1794, 1797, 1823, 1836, 1840, 1842, 1878, 1899, 1906, 1934, 1942, 1966, 1977, 1987-1989, 2016, 2047, 2054, 2057-2058, 2062, 2065, 2069, 2073, 2076, 2088, 2100, 2103, 2105, 2109-2110, 2117, 2133, 2142, 2159-2160, 2163, 2166, 2170, 2172-2173, 2228, 2229, 2234, 2244, 2255, 2257, 2259, 2267-2268, 2278-2278, 2298, 2304, 2318, 2339, 2346, 2352, 2388, 2396, 2408, 2408, 2413-2414, 2417, 2423, 2430, 2447, 2452, 2465, 2468, 2488-2489, 2492, 2500, 2510, 2512, 2519, 2557, 2561-2562, 2565, 2577, 2585, 2803, 2812, 2824, 2841, 2660, 2666, 2871-2672, 2681, 2683, 2702, 2714-2715, 2721, 2724, 2729, 2746, 2770, 2775, 2760, 2817, 2819, 2626-2627, 2831, 2833, 2841, 2651, 2853, 2867, 2869, 2873-2674, 2867-2866, 2891, 2896, 2906, 2916, 2920, 2923-2924, 2937-2938, 2944
2951, 2965, 2976, 2979-2980, 2990, 3005, 3012, 3019, 3031-3032, 3035, 3037, 3039, 3051, 3056, 3075-3076, 3080, 3089, 3092, 3096, 3116-3117, 3127, 3134, 3142-3143, 3147, 3160, 3173, 3169, 3194, 3209-3210, 3236, 3238-3239, 3251, 3253, 3257, 3263, 3266, 3276, 3264, 3292, 3300, 3305, 3307, 3310, 3314, 3316-3317, 3324, 3349, 3375, 3379, 3382, 3397, 3413, 3415, 3425, 3437, 3440, 3451, 3455, 3457, 3481, 3471, 3479-3480, 3486, 3493, 3511, 3517, 3521, 3526, 3538, 3550, 3552, 3558-3559, 3570, 3574, 3583, 3595, 3599, 3609, 3614, 3616, 3622, 3628, 3832, 3635, 3841, 3645, 3658, 3870, 3678-3677, 3680, 3692, 3896, 3703, 3714-3715, 3720, 3724, 3734, 3737, 3743, 3746-3747, 3753, 3758, 3772, 3775, 3784, 3798, 3799, 3840, 3842, 3848, 3855, 3860-3861, 3867-3868, 3872, 3876, 3884, 3891, 3894, 3903, 3907, 3919, 3930, 3933, 3941, 3945, 3955, 3971, 3975-3978, 3981, 3989, 3991, 3993, 4000-4001, 4004-4006, 4019, 4027, 4029, 4033-4035, 4048, 4051-4052, 4058, 4077-4078, 4092, 4094, 4097, 4101, 4108-4109, 4112, 4120, 4123-4124, 4130, 4139, 4141-4142, 4144, 4153, 4155-4158, 4158, 4171, 4167, 4190, 4200
TIN: 1858
TINEA: 3106
TINEA VERSICOLOR: 3307
TINNITUS: 331
TISSUE BANKS: 1787
TISSUE CULTURE: 37, 868, 958, 1278, 1796, 1955, 2168, 2238, 2286, 2583, 2769, 2853, 2978, 3111, 3158, 3232, 3434, 3510, 3628, 3709, 3760, 3834, 3850, 3894, 3981
TISSUE DONORS: 548, 1053, 2172, 4091
TISSUE EXTRACTS: 145, 268, 328, 441, 460, 522, 601, 891, 1322, 1383, 1715, 1743, 1796, 2070, 2307, 2329, 2416, 2501, 2810, 2644, 2666, 3046, 3136, 3161, 3258, 3283, 3444, 3578, 3594, 3627, 4072, 4099
TISSUE PRESERVATION: 548, 571, 1064, 1381, 1969, 2748
TISSUE SURVIVAL: 1053
TOADS: 1188, 1470, 1642, 2818, 2950, 3806, 4155
TOBACCO: 3694
TOBACCO MOSAIC VIRUS: 3694
TOES: 2279, 3575
TOLAZOLINE: 3933
TOLBUTAMIDE: 635, 1801, 2100, 2420, 2446, 3224, 3268, 3837, 4002
TOLUENE: 64, 3397, 3557
TOLUIDINE BLUE O: 40
TOMATINE: 245
TOMOGRAPHY: 410, 1385, 1663, 2703, 3107
TOMOGRAPHY, RADIOGRAPHIC: 258, 377, 827, 1109
TONGUE: 872, 1039, 1078, 1479, 3268, 3557
TONGUE DISEASES: 2422, 3261
TONGUE NEOPLASMS: 1330
TONSILLITIS: 2935
TOOTH: 884, 1825
TOOTH ABNORMALITIES: 1557, 3187
TOOTH ABRASION: 1157
TOOTH, DECIDUOUS: 3774
TOOTH EROSION: 1157
TOOTH ERUPTION: 3187
TOOTH EXTRACTION: 1502, 4114
TOOTH GERM: 1557, 3885
TOOTH MOBILITY: 1825
TOOTH RESORPTION: 3774
TORSION: 1285, 2528, 3838
TOSYL COMPOUNDS: 870, 883, 3016
TOUCH: 151, 3135, 3794
TOURNIQUETS: 1088, 4210
TOXICOLOGY: 1322
TOXINS: 19, 600, 1584, 2054
TOXOIDS: 19
TOXOPLASMOSIS: 2390, 3229
TOXOPLASMOSIS, CONGENITAL: 59, 3229
TRACE ELEMENTS: 467, 1273, 1457, 1529
TRACHEA: 264, 1220, 1300, 3664, 3881
TRACHEAL STENOSIS: 1295, 1300, 1723, 3881
TRACHEOTOMY: 15, 694, 1300, 1335
TRANQUILIZING AGENTS: 531, 1712, 2084, 2415, 3468
TRANSCORTIN: 1477, 2316, 3394, 3912
TRANSCRIPTION, GENETIC: 1105, 1320, 1375, 2014, 2633, 2635, 2805, 3111, 3275
TRANSDUCTION, GENETIC: 2214, 2261, 3161, 3261
TRANSFER (PSYCHOLOGY): 1767
TRANSFERASES: 400, 1979, 3339
TRANSFERRIN: 195, 1275, 3735, 4051
TRANSFORMATION, GENETIC: 4033
TRANSLATION, GENETIC: 679, 837, 2300, 3275
TRANSPLANTATION: 4091
TRANSPLANTATION, AUTOLOGOUS: 578, 655, 1256, 1260, 1381, 1861, 2074, 3554, 4122
TRANSPLANTATION, HETEROLOGOUS: 2172
TRANSPLANTATION, HOMOLOGOUS: 9, 112, 540, 548, 579, 686, 616, 886-887, 695, 904, 951, 976, 986, 1053, 1076, 1094, 1209, 1269, 1363, 1366, 1383, 1401, 1436, 1557, 1576, 1610, 1998, 2074, 2172, 2237, 2342, 2449, 2562, 2600, 2787, 2827, 2863-2864, 2974, 2992, 3125, 3225, 3269, 3453, 3531, 3755, 4015, 4038, 4058, 4091
TRANSPLANTATION IMMUNOLOGY: 1383, 4015
TRANSSEXUALISM: 2889, 4189
TRANYLCYPROMINE: 394
TREPONEMA: 3639
TREPONEMA PALLIDUM: 3639
TRIAMCINOLONE: 185, 313, 360, 414, 668, 974, 2435, 2519, 2657, 3444, 3465, 3767, 3823, 3873
TRIAMCINOLONE ACETONIDE: 10, 458, 466, 657, 1746, 1809, 1835, 2940, 3245, 3482, 3814, 3845, 3971, 3974
TRIAMTERENE: 753, 1134
TRIAZENES: 1240
TRIAZINES: 658, 1604
TRIAZIQUONE: 2414, 3526
TRIAZOLES: 2303
TRICHINELLA: 1486
TRICHLOROACETIC ACID: 134, 1072, 1205, 2525, 3033, 3096
TRICHLOROETHYLENE: 4029
2,4,5-TRICHLOROPHENOXYACETIC ACID: 2212
TRICHOMONAS VAGINALIS: 3229
TRICHOMONAS VAGINITIS: 3229
TRICHOPHYTIN: 855
TRICHOSTRONGYLOIDEA: 349
TRICHOSTRONGYLOIDIASIS: 349
TRICHURIASIS: 2742
TRIETHYLENE MELAMINE: 2414
TRIFLUOPERAZINE: 2206
TRIGLYCERIDES: 101, 527, 585, 840, 1121, 1262, 1408, 1533, 1729, 1650, 1914, 2033, 2137, 2252, 3117, 3227, 3279, 3447, 3521, 3682, 3791, 4112, 4174
TRIIODOTHYRONINE: 46, 106, 143, 171, 233, 250, 322, 355, 398, 473, 489, 627, 783, 839, 958, 1005, 1071, 1092-1093, 1105, 1221, 1231, 1245, 1276, 1361, 1388, 1505, 1524, 1545, 1634, 1855, 1899, 1729, 1732, 1970, 2093, 2174, 2203, 2333, 2393, 2399, 2417, 2512, 2581, 2638, 2650, 2708, 2755, 2900, 2906, 2924, 3026, 3058, 3083, 3096, 3356, 3501, 3528, 3566, 3675, 3824, 3837, 3870, 3872, 3889, 3915, 4093, 4122, 4125, 4211
TRIMETHIDINIUM COMPOUNDS: 2456
TRIMETHOPRIM: 1656, 2912
TRIOLEIN: 2137
TRIOSES: 1318
TRIPELENNAMINE: 953, 2303
TRIPLETS: 420-421
TRIPROLIDINE: 3334
TRISOMY: 372, 1728, 2582, 2656, 2679, 2846, 3068, 3141, 3620, 3657
TRITIUM: 23, 33, 74, 79, 90, 117, 135, 139, 148, 174, 176, 182, 201, 203, 207, 228-229, 296, 330, 333, 335, 342, 353, 370, 376, 378, 397, 401, 406, 423, 449, 461, 495, 517, 530, 534, 549, 556-557, 560, 588, 621, 657, 670, 714, 732, 735, 745, 751-752, 755, 810, 837, 842, 845, 868, 870, 880, 897, 903, 935, 945, 950, 962, 984, 1038-1039, 1047, 1051, 1059, 1072, 1105, 1127, 1150, 1153, 1161, 1174-1176, 1181, 1200, 1205, 1222, 1230-1240, 1243, 1250, 1293, 1298, 1304, 1315, 1330, 1343, 1360, 1362, 1372, 1378, 1392, 1414, 1435, 1454, 1466, 1476-1477, 1492, 1498, 1508, 1516, 1535, 1545, 1549, 1596, 1611, 1644, 1646, 1650, 1661, 1731, 1740, 1748, 1753, 1777-1778, 1791, 1800, 1807, 1809, 1816, 1828, 1659, 1865, 1905, 1917, 1938, 1947, 1952, 2014-2015, 2021, 2030, 2040, 2054, 2069, 2105, 2109-2110, 2122, 2132, 2182, 2191-2192, 2212, 2214, 2233, 2247, 2277, 2287-2288, 2299, 2316, 2321-2322, 2324, 2367, 2380, 2402, 2416, 2428, 2444, 2447, 2479-2480, 2490, 2496, 2525, 2541, 2554, 2564, 2575, 2583, 2587, 2597, 2607,

2831, 2633, 2636-2837, 2777, 2790, 2801, 2807, 2827, 2834, 2840, 2853, 2676, 2878, 2958, 2988, 2993, 3005, 3012, 3032-3033, 3035, 3050, 3060, 3073, 3093, 3111, 3132, 3149, 3154, 3158, 3183, 3189, 3204, 3212, 3219, 3232, 3234, 3238, 3247, 3290, 3305, 3315-3318, 3338, 3343, 3349, 3351, 3377, 3393-3394, 3471, 3464, 3491, 3506, 3509-3510, 3530, 3538, 3573-3574, 3581, 3591, 3595, 3801-3602, 3812, 3815, 3821-3622, 3858, 3868, 3871-3872, 3884-3885, 3899, 3703-3704, 3711-3712, 3717, 3730, 3737, 3744, 3780, 3781, 3815-3616, 3821, 3634, 3852, 3894, 3896, 3916, 3919, 3921, 3928, 3936, 3939, 3954, 3957, 3968, 3970, 3993-3994, 4005, 4014, 4019, 4021, 4038, 4053, 4101, 4109, 4128, 4143, 4150
TRITURUS: 271, 1166, 3111
TROCHLEAR NERVE: 2275
TROPHOBLAST: 434, 1520, 1890, 1901, 3178, 3375, 3759-3780
TROPHOBLASTIC TUMOR: 1481, 1588, 2280, 2787, 3888
TROPICAL CLIMATE: 1017
TROPOMYOSIN: 1348, 1824
TRYPAN BLUE: 750, 3236
TRYPANOSOMA: 1488
TRYPANOSOMA BRUCEI: 1488
TRYPSIN: 201, 268, 556, 592, 785, 1158, 1559, 1727, 1921, 2082, 2103, 2113, 2197, 2428, 2441, 2557, 2894, 3215, 3815, 3680, 3703, 3820, 3972, 4087, 4072, 4083, 4095, 4101
TRYPSIN INHIBITORS: 457, 3181
TRYPTAMINES: 335, 394, 554, 898, 1440, 2040, 3884
TRYPTOPHAN: 148, 192, 408, 470, 896, 989, 1440, 1938, 1941, 1967, 2040, 2541, 2823, 2688, 3245, 3402, 3415, 3522, 3885, 3977
TRYPTOPHAN HYDROXYLASE: 1936, 1987, 2541
TRYPTOPHAN OXYGENASE: 1270, 1987, 2019, 3222, 3245, 3267, 3522, 3804
TRYPTOPHAN SYNTHETASE: 771
TUBE FEEDING: 3728
TUBERCULIN TEST: 855, 2359, 3489, 3964-3985
TUBERCULOMA: 1758
TUBERCULOSIS: 104
TUBERCULOSIS, CARDIOVASCULAR: 1342
TUBERCULOSIS, LYMPH NODE: 2848, 3790
TUBERCULOSIS, MALE GENITAL: 4054
TUBERCULOSIS, MENINGEAL: 2917
TUBERCULOSIS, MILIARY: 1319, 4205
TUBERCULOSIS, OSTEOARTICULAR: 1580
TUBERCULOSIS, PLEURAL: 1281
TUBERCULOSIS, PULMONARY: 368, 2581, 2803
TUBERCULOSIS, RENAL: 2368
TUBERCULOSIS, SPINAL: 2359
TUBERCULOSIS VACCINES: 3154, 4018
TUBOCURARINE: 83, 141, 284, 411, 788, 1794, 2177, 2872
TURKEYS: 168, 959, 1441
TURNER'S SYNDROME: 105, 180, 219, 362, 365, 444, 480, 526, 719, 1107, 1228, 1258, 1308, 1652, 1878, 1919, 1959, 1999, 2123, 2382, 2529, 2582, 2856, 2878, 2676-2879, 2895, 3141, 3488, 3719, 3837, 3997, 4189
TURTLES: 513, 1431, 2735, 2663, 3454, 3582
TWINS: 420-421, 886, 1465, 2005, 3430
TYPHOID-PARATYPHOID VACCINES: 2391
TYPHUS, MURINE: 1342
TYRAMINE: 84, 336, 800, 941, 1327, 1356, 1393, 1405, 1418, 1440, 1596, 1643, 2040, 2147, 2541, 2824, 3471, 3898, 3911
TYROSINE: 201, 226, 752, 1241, 1777-1776, 2080, 2148, 2263, 2315, 2319, 2823, 2840, 2971, 3407, 3501, 3789, 3792, 3900, 3942
TYROSINE AMINOTRANSFERASE: 23, 511, 1223, 1270, 1879, 1910, 2019, 2951, 3070, 3212, 3900, 4113
TYROSINE HYDROXYLASE: 752, 1393, 1720, 2616
TYROTHRICIN: 45, 636

U

UBIQUINONE: 1681, 2175
UDDER: 2276, 2847, 3047, 3769
UGANDA: 338, 1643
ULCER: 3507
ULNA: 105, 463, 722, 986, 2620, 2692
ULNAR NERVE: 63
ULTIMOBRANCHIAL BODY: 702, 4001
ULTRACENTRIFUGATION: 303, 558, 585, 1019, 1081, 1213, 1223, 1326, 1348, 1562, 1646, 1609, 1970, 2033, 2137, 2298, 2395, 2480, 2896, 2717, 3026, 3075, 3149, 3181, 3710, 3717, 3789, 3820
ULTRAFILTRATION: 155, 3583, 3840
ULTRASONIC THERAPY: 494
ULTRASONICS: 45, 373, 383, 759, 1032, 1160, 1859, 1874, 1683, 2005, 2280, 2342, 2381, 2454, 2860, 3097, 3783
ULTRAVIOLET RAYS: 378, 1019, 1945, 2078, 3383, 3543, 4035, 4041
ULTRAVIOLET THERAPY: 3043
UMBILICAL ARTERIES: 80, 507, 953, 2480
UMBILICAL CORD: 88, 239, 507, 545, 602, 953, 1022, 1314, 1523, 1778, 2174, 2184, 2597, 3174, 3382, 3484
UMBILICAL HERNIA: 1078, 1874, 3268
UMBILICAL VEINS: 953, 2480, 3382
UMBILICUS: 226, 3268
UNCOUPLING AGENTS: 45, 836, 986, 2012
UNITED STATES: 284, 328, 849, 1097, 2119, 2363, 2481, 2483, 2776, 2822, 2954, 3106, 3756, 3983, 4091, 4174
URACIL: 120, 2951
URACIL MUSTARD: 1601
URACIL NUCLEOTIDES: 858, 745, 2327, 3070, 3320
URBAN POPULATION: 720, 1073, 1687
UREA: 256, 497, 741, 1048, 1277, 1442, 1568, 1808, 1927, 1963, 2069, 2293, 2432, 2453, 2658, 2902, 3092, 3789, 3855, 3977, 4187
UREMIA: 175, 824, 694, 924, 1050, 1148, 1389, 1608, 1963, 2159, 3324
URETER: 1883, 1997, 3313, 3374, 3807, 3886, 3909
URETERAL CALCULI: 3313
URETERAL DISEASES: 27, 1663
URETERAL NEOPLASMS: 501, 3947
URETERAL OBSTRUCTION: 307, 2967
URETEROCELE: 3313
URETHRA: 3374
URIC ACID: 253, 340, 500, 1048, 1091, 1310, 1442, 1787, 2858, 2889, 2788, 2803, 4174
URIDINE: 621, 858, 1850, 2014-2015, 2054, 2182, 2324, 2643, 2777, 2801, 2833, 3111, 3189, 3234, 3238, 3290, 3539, 3573, 3852, 3954
URIDINE DIPHOSPHATE SUGARS: 2918, 4083
URINARY CALCULI: 317, 688
URINARY CATHETERIZATION: 2432, 3807, 3855, 4133
URINARY INCONTINENCE: 1357
URINARY INCONTINENCE, STRESS: 2601
URINARY TRACT: 55, 2738
URINARY TRACT INFECTIONS: 220, 1385, 2159
URINATION: 1141, 2139, 2187, 2568
URINATION DISORDERS: 1, 355, 3655
URINE: 513, 913, 925, 1474, 1528, 1653, 2158, 2432, 2501, 3488, 3797
UROBILINOGEN: 2749
UROGENITAL NEOPLASMS: 688, 3416, 3811, 3947, 4084
UROGENITAL SYSTEM: 1674, 3374, 3868, 4019, 4198
UROGRAPHY: 1, 27, 219, 648, 872, 1694, 1853, 1964, 2369, 3159, 3313, 3849, 3866, 3904, 3924, 4133
UROLOGIC DISEASES: 2045, 3182, 3947
URONIC ACIDS: 618
URTICARIA: 1982
URTICARIA PIGMENTOSA: 170, 1155, 2343
USSR: 2127, 3474, 4212-4213
UTERINE DISEASES: 2526, 3784, 3838, 3846, 3881
UTERINE HEMORRHAGE: 485, 2381, 2550, 3168, 3260, 3302, 3328
UTERINE NEOPLASMS: 1, 75, 478, 822, 1032, 1126, 1180, 1588, 1611, 2005, 2024, 2118, 2183, 2227, 2274, 2289, 2454, 2655, 2662, 3084, 3107, 3302, 3768, 3940
UTERINE PROLAPSE: 1357, 2204
UTERINE RUPTURE: 1646, 2449
UTERUS: 6, 13, 16, 34, 54, 71-73, 75, 88, 97, 111, 162, 213, 227-228, 243, 285, 270, 389-391, 416, 437, 479, 518, 544, 565, 652, 663-664, 684, 713-714, 761-762, 775-776, 601, 623, 637, 653, 663, 901, 1002, 1010, 1027, 1043, 1072, 1094, 1110, 1132, 1151, 1203, 1243, 1250, 1256, 1260, 1307, 1350, 1360, 1399, 1425, 1466, 1500, 1510, 1546-1547, 1553, 1562, 1577, 1587-1588, 1617, 1627, 1648, 1659, 1753, 1785, 1843-1844, 1859, 1663, 1885, 1889, 1891, 1917, 1937, 1946, 1975, 2001, 2057, 2063-2064, 2068, 2095, 2109-2110, 2143, 2152, 2157, 2198, 2208-2209, 2288, 2339, 2374, 2412, 2459, 2468, 2506, 2515, 2574, 2589, 2611, 2645, 2885, 2688-2687, 2718, 2741, 2776, 2890, 2907, 2932, 2982, 3005, 3029, 3032, 3103-3104, 3140, 3150, 3164, 3210, 3231, 3238, 3244, 3266, 3287, 3318, 3325, 3372-3373, 3378, 3451, 3486, 3510, 3514, 3591, 3599, 3647, 3898, 3711-3713, 3720, 3725, 3821, 3881, 3888, 3912, 4013, 4032, 4037, 4068, 4148, 4204

V

VACCINATION: 1472, 2391, 2596
VACCINE THERAPY: 685, 2643
VACCINES, ATTENUATED: 2286
VACCINIA VIRUS: 948, 2181, 2286
VAGINA: 13, 54, 182, 213, 285, 925, 937, 1001, 1027, 1043, 1132, 1357, 1360, 1425, 1547, 1810, 1844, 2053, 2058, 2460, 2537, 2545, 2811, 2718, 2725, 2777, 2863, 2914, 3135, 3140, 3368, 3374, 3514, 3554, 3579, 3591, 3869, 3770, 3888, 4000, 4032
VAGINAL DISEASES: 2752
VAGINAL NEOPLASMS: 252, 2280, 2484, 3084, 3488, 3554
VAGINAL SMEARS: 142, 216, 234, 269, 272, 367, 559, 609, 1124, 1309, 1366, 1489, 2058, 2318, 2373, 2537, 2880, 2891, 3076, 3168, 3229, 3534, 3599, 3713, 3770, 3787, 3848, 4000
VAGINITIS: 485, 1493
VAGOTOMY: 820, 1058, 1291, 1415, 1449, 1584, 3645
VAGUS NERVE: 338, 820, 921, 1415, 1738, 1896, 2985, 3385, 3645
VALERATES: 3250, 3689
VALINE: 201, 982, 1072, 2686
VALINOMYCIN: 838, 2017
VANILMANDELIC ACID: 85, 404, 2254, 2939, 3895
VARIATION (GENETICS): 424, 754, 2563, 4024
VARICELLA-ZOSTER VIRUS: 458, 2839
VARICOCELE: 3577
VARICOSE VEINS: 1737
VAS DEFERENS: 84, 222, 1787, 1997, 2301, 2908, 3350, 3753, 4054
VASCULAR DISEASES: 299, 1472, 2877, 3081, 3322, 3575, 3861
VASCULAR HEADACHE: 1348
VASCULAR RESISTANCE: 280, 287, 430, 454, 886, 703, 902, 1598, 1799, 1986, 2748, 3085, 3139, 3701-3702, 3887, 4023
VASECTOMY: 472, 749, 803, 839, 1402, 1767, 4005, 4054
VASOCONSTRICTOR AGENTS: 775, 953, 3482
VASOCONSTRICTOR AGENTS, NASAL: 3334
VASODILATOR AGENTS: 1110, 1418, 2057, 3468
VASOMOTOR SYSTEM: 189, 775, 1219, 1405, 2976, 3085, 3581, 3768, 4111
VASOPRESSIN: 57, 236, 287, 319, 482, 484, 499, 532, 534, 601, 815, 678, 922, 968, 970-971, 1024, 1046, 1151, 1185, 1227, 1421, 1470, 1778, 1929-1930, 1996, 2027, 2063, 2093, 2139, 2155-2156, 2218, 2250, 2273, 2300, 2357, 2408, 2432, 2518, 2516, 2568, 2584, 2594, 2851, 2784, 2772, 2781, 2816, 2860, 2982, 3309, 3550, 3610, 3806, 3855, 3942, 4028, 4204
VASOTOCIN: 615, 2063
VATER'S AMPULLA: 77, 2750
VECTORCARDIOGRAPHY: 2703, 3932
VEGETARIANISM: 3756
VEHICLES: 1220, 1662, 1785, 3307, 3350, 3913
VEINS: 211, 640, 819, 1110, 1347, 1863, 3174
VENA CAVA, INFERIOR: 872, 765, 1769, 2501
VENA CAVA, SUPERIOR: 3811
VENAE CAVAE: 344, 2587
VENEREAL DISEASES: 407, 2532
VENEZUELA: 458
VENOMS: 50, 1158, 3710
VENOUS PRESSURE: 2575, 4059
VENTILATION-PERFUSION RATIO: 260, 2045, 2270
VENTRICULAR FIBRILLATION: 3173
VENTRICULOGRAPHY: 3938
VERATRINE: 1952, 3315-3317
VERATRUM: 1097
VERBAL BEHAVIOR: 3719
VERBAL LEARNING: 3280
VERTEBRAL ARTERY: 1416, 2852
VERTIGO: 331
VESICULAR STOMATITIS VIRUS: 3490
VESTIBULAR APPARATUS: 1511
VESTIBULAR FUNCTION TESTS: 3905
VESTIBULAR NUCLEI: 1511

VETERINARY MEDICINE: 31, 1856
VIBRATION: 45, 85, 1158, 2137, 2879, 3181, 3278, 3988, 4045
VIBRIO: 2525
VINBLASTINE: 80, 550, 568, 1140, 1264, 2069, 2138, 2897, 2702, 2980-2981, 3277, 4158
VINCRISTINE: 160, 537, 550, 566, 1104, 1139-1140, 1155, 1171, 1199, 1801, 1882, 2107, 2245, 2697, 2702, 2809, 2841, 2871, 2912, 2981, 3162, 3185-3166, 3218, 3614, 3883, 4018
VINYL COMPOUNDS: 1158
VIRAL PROTEINS: 4038
VIRGINIA: 1856
VIRILISM: 366, 734, 1308, 1469, 3812, 4049, 4154
VIRUS CULTIVATION: 2288
VIRUS DISEASES: 1797, 1900, 2551
VIRUS REPLICATION: 2505, 3490, 3709
VISCOSITY: 209
VISION: 577, 1511
VISION DISORDERS: 315, 331, 1148, 1924-1925, 2745, 2881
VISUAL ACUITY: 1528, 1924, 2349
VISUAL CORTEX: 1511
VISUAL FIELDS: 1148, 2650, 3323, 3794
VISUAL PATHWAYS: 1148
VISUAL PERCEPTION: 364, 467, 1707, 3794
VITAL CAPACITY: 904, 1335
VITAMIN A: 281, 415, 448, 1820, 1873, 2124, 2849, 3281, 3828, 3995, 4144
VITAMIN A DEFICIENCY: 4144
VITAMIN B COMPLEX: 1873, 3442, 3995
VITAMIN B 12: 179, 595, 1935, 2760
VITAMIN B 12 DEFICIENCY: 1136, 1935, 2285
VITAMIN D: 66, 104, 133, 186, 384, 386, 497, 720, 988, 1102, 1434, 1458, 1815, 1873, 1945, 2044, 2292, 2419, 2817, 2718, 2768, 2829, 2855, 3214, 3543, 3809, 3964, 3995, 4007, 4040-4041, 4140
VITAMIN D DEFICIENCY: 388, 1153, 1397, 1434, 1815, 2195, 2207, 2292, 2354, 2533, 2554, 2820
VITAMIN E: 415, 1873, 1921, 2354, 3882, 3995
VITAMIN E DEFICIENCY: 1921
VITAMIN K: 415, 1873
VITAMINS: 467, 1194, 1273, 1529, 1873, 1996, 1998, 2550, 3181, 3995, 4197
VITELLINE MEMBRANE: 3063
VITILIGO: 220, 741
VITREOUS BODY: 2349, 3274
VOCAL CORD PARALYSIS: 144, 758, 2006, 2246
VOCAL CORDS: 314, 758
VOCALIZATION, ANIMAL: 294, 1025, 1068, 1255, 2882, 3368, 4143
VOICE: 314, 734, 916, 3881
VOLATILIZATION: 831
VOMITING: 178, 442, 544, 990, 1002, 1056, 1266, 1510, 1845-1846, 2124, 2162, 2450, 2811, 2914, 3168, 3523, 3698, 3733, 3809, 4032, 4140, 4153
VON WILLEBRAND'S DISEASE: 1614, 3968, 4026
VULVA: 458, 3021
VULVAR NEOPLASMS: 3084, 3107, 3488

W

WAKEFULNESS: 107, 937, 2544, 3568
WARFARIN: 477
WATER: 134, 354, 415, 512-513, 1021, 1024, 1051, 1095, 1193, 1284, 1360, 1421, 1829, 2062, 2156, 2408, 2507, 3090, 3360, 3397, 3475, 3806
WATER DEPRIVATION: 1095, 2273, 3120, 3966
WATER-ELECTROLYTE BALANCE: 57, 107, 334, 381, 703, 899, 1046, 1089, 1095, 1113-1114, 1141, 1145, 1265, 1431, 1681, 1735, 1829, 2062, 2093, 2133, 2139, 2147, 2167, 2216, 2409, 2507, 2516-2518, 2536, 2551, 2612, 2646, 2658, 2707, 2722, 2818, 2947, 2949, 2994, 3120, 3139, 3855, 3885, 3953, 4194
WATER INTOXICATION: 4204
WATER POLLUTION, CHEMICAL: 849, 1193, 1457
WATER SUPPLY: 1193
WATERHOUSE-FRIDERICHSEN SYNDROME: 3205
WEANING: 293, 420-421, 553, 647, 1010, 1647, 1949, 2125, 2232, 2893, 2921, 2930, 2937, 3100, 3486
WEATHER: 2779
WEGENER'S GRANULOMATOSIS: 3613, 3779, 4205
WERNICKE'S ENCEPHALOPATHY: 1050
WEST INDIES: 720, 872
WEST VIRGINIA: 1856
WHEAT: 200, 1749, 2984, 3286
WHOLE BODY COUNTERS: 4208
WHOOPING COUGH: 4153
WING: 1639, 2065
WIT AND HUMOR: 2323
WOLFFIAN DUCT: 1304, 3031, 3579
WORLD HEALTH ORGANIZATION: 1450
WOUND HEALING: 504, 1085, 1502, 2473, 2533, 2578, 2700, 2866, 3307, 3690, 4114, 4122, 4188
WOUND INFECTION: 4195
WOUNDS AND INJURIES: 280, 293, 468, 1325, 2061, 2339, 3139, 3871, 4040
WOUNDS, GUNSHOT: 3817
WRIST: 66, 321, 2362, 2657
WRIST JOINT: 1883, 2657

X

XANTHINES: 1326, 2602, 3167, 3315, 3969, 4120
XANTHOMATOSIS: 2314
XANTHOPTERIN: 2065
XANTHURENATES: 408, 3522
XENOPUS: 176, 445, 679, 1188, 1277, 1732, 2201, 3111, 3189, 3926
XERODERMA PIGMENTOSUM: 2826, 3015
XEROPHTHALMIA: 1450
XEROSTOMIA: 1157
X-RAY DIFFRACTION: 1014, 2017, 2576, 2913
XYLENE: 706
XYLITOL: 3221, 3625
XYLOSE: 1119

Y

YOMESAN: 717
YTTERBIUM: 1184
YTTRIUM ISOTOPES: 2763, 2933, 3576
YUGOSLAVIA: 1073, 2419

Z

ZINC: 48, 415, 910, 1433, 1720, 2161, 2372, 2374, 2400, 2423, 2648, 2800, 2815, 2993, 3051, 3705, 3945, 4157, 4188
ZIRCONIUM: 1858
ZOLLINGER-ELLISON SYNDROME: 3459
ZOXAZOLAMINE: 515, 1730

AUTHOR INDEX

A

AANTAA K: 1
AARS H: 980
ABAD ALONSO JA: 2445
ABALIANTS LA: 1835
ABBOTT BC: 2
ABBOTT EC: 3, 880
ABDEL-HAMEED MF: 4
ABDOLIAN J: 695
ABDUL-KARIM RW: 5
ABE H: 6
ABE K: 7, 1686, 3206-3207
ABE M: 3659
ABE T: 8-9, 3626
ABEL M: 2645
ABELL E: 10
ABERG G: 11
ABINDER AA: 1896
ABOULKER P: 24
ABRAHAM KA: 1985
ABRAMETS II: 12
ABRAMS RM: 13
ABREAU CM: 14
ABRO A: 2053
ABROL BM: 15
ACHENBACH H: 16
ACHER R: 615
ACHESON AW: 2847
ACHTEN G: 855
ACKMAN CF: 3435
ACOSTA AA: 17, 3599
ACUFF K: 2717
ADACHI M: 3059
ADACHI Y: 4082
ADADEVOH BK: 18
ADAMS MM: 19
ADAMS RN: 20
ADAMSON RH: 1503
ADCOCK EW 3D: 3480
ADDISON T: 21, 3367
ADDLEMAN W: 22
ADELMAN RC: 23
ADHYA S: 2633
ADJIMAN M: 24
ADKINS KF: 327
ADLERCREUTZ H: 3744
AESCHBACHER HU: 463
AFIFY M: 1676
AFONINA LI: 2873
AGADZHANOVA TA: 25
AGAM G: 26
AGAR A: 27
AGARWAL KN: 28
AGEEB M: 1676
AGHAJANIAN GK: 29
AGHEMO G: 2566
AGID R: 2377, 3410
AGISHI S: 1878
AGOSTINI B: 30
AGTHE O: 31
AGUILAR E: 32
AHEARN MJ: 1586
AHMED J: 33
AHRENS H: 4144
AHUJA MM: 1406
AIKAWA T: 1878
AIKEN JW: 34-35
AITA K: 88
AJURIAGUERRA J DE: 3754
AJZEN H: 661, 3193
AKAGI K: 36
AKBAR AM: 37
AKHMETOV IZ: 38
AKIL H: 39
AKIMOVA VV: 3465
AKISADA M: 40
AKIYAMA S: 41
AKRE S: 980
AKSENOV IAA: 368
ALANKO K: 42
ALAZARD R: 532
ALBAGLI L: 2565
ALBANIS V: 4153
ALBERT DJ: 3593
ALBIN J: 2016
ALBRICH W: 43
ALEKSANDROVA AE: 44
ALEKSANDROWICZ Z: 45
ALEVIZAKI CC: 46
ALEXANDER M: 47, 2869
ALEXANDER NM: 502
ALEXANDER S: 3250
ALEXANDER SP: 4033
ALEXANDER WD: 417
ALEXANDRE GP: 3125
ALEXANDROVA M: 1647
ALEXIANU D: 110
ALFARO B: 48
ALFSEN A: 1244
ALGVERE P: 56
ALKALAY D: 49
ALLALOUF D: 50
ALLEN BV: 99
ALLEN JC: 1000, 1016
ALLEN JP: 716
ALLEN KD: 850
ALLEN MC: 51
ALLEN PM: 3557
ALLEN WE: 111
ALLEN WM: 3005
ALLESLEV LJ: 3443
ALLEYNE GA: 52
ALLIKMETS LKH: 53
ALLISON AC: 184
ALLISON AJ: 54
ALLOUCH P: 2480
ALLSOP J: 3986
ALMASAN E: 55
ALMQVIST S: 56
ALOIA JF: 57, 696-697
ALTHOFF H: 58
ALTSHULER G: 59-60
ALVAREZ MB: 61
ALVAREZ CERVERA J: 62
AMAKAWA T: 223
AMAKI Y: 63
AMANN RP: 2072
AMANO Y: 242
AMBACHE N: 64
AMER MS: 65
AMIRHAKIMI GH: 66, 476
AMMANN E: 3901
AMMAR R: 2317
AMSTEL WJ VAN: 67
AMTORP O: 651
AMUNDSEN P: 3567
ANAGNOSTAKIS D: 4153
ANANTHAKRISHNAN R: 68
ANASTASIA JV: 69
ANCIC V: 70
ANDERSEN DW: 1083
ANDERSON CF: 4058
ANDERSON DC: 495
ANDERSON EE: 2998
ANDERSON GG: 71-73, 523
ANDERSON IL: 518
ANDERSON KM: 74, 745
ANDERSON MC: 75
ANDERSON NV: 76
ANDERSON RM: 1884
ANDERSON RR: 171
ANDERSON TA: 1083
ANDERSSON KE: 77
ANDERSSON R: 11, 77-78
ANDRADE AT: 1389
ANDRADE U: 661
ANDRE CM: 79
ANDRE R: 80
ANDREASSIAN B: 3856
ANDREOLI M: 3211
ANDRES M: 1212
ANDREWS H: 1121
ANDREWS JT: 3572
ANDREWS PS: 2190
ANDREWS R: 3319
ANDRIEUX J: 81
ANGELESCU E: 82-83
AL-ANI S: 84
ANITESCO C: 85
ANSBACHER R: 86, 1360
ANSFIELD FJ: 1302
ANTAKI A: 3837
ANTAR M: 680
ANTIC B: 935
ANTIPOV VN: 1351
ANTON AH: 3500, 3999
ANTON EB: 2817
ANTONENKO OV: 3836
ANTONOVA EE: 87
ANZALONE AJ: 3260
AOBA H: 88
AONO T: 2489
AONUMA S: 89
AOYAGI T: 90
APELO R: 91
APFELBAUM M: 92
APLAND M: 3601
APPEL JR: 1441
APPEL SH: 3144
APPERT H: 8
APPLEMAN MM: 3181
APPLEWHITE RR: 93
APTEKAR R: 321
APTER C: 94
ARAD G: 3532
ARAGONES JV: 95
ARAI K: 4086
ARAKAKI Y: 2746
ARAKI Y: 2507
ARATEI H: 2391
ARCE CA: 201
ARCHBALD LF: 96
ARCHBOLD TJ: 97
ARCHER JA: 98, 1214
ARCHER R: 1612
ARCHER RK: 99
ARCHIMBAUD JP: 4133
ARDELEANU A: 100
ARDELEANU R: 2917
AREVALO N: 1275
ARGEMI B: 3440
ARGUELLES AE: 101
ARGUTINSKAYA SV: 3212
ARIEFF AI: 307
ARIMURA A: 102-103, 839, 2442, 3259
ARKHIPOVA OP: 104
ARKLES LB: 3572
ARMSTRON JA: 3490
ARMSTRONG D: 1890
ARMSTRONG MK: 105
ARMSTRONG RB: 106
ARNAUD AC: 616
ARNAUD CD: 933, 3303, 3459
ARNAUD SB: 933
ARNAULD E: 107
ARNAVAZ Z: 108
ARNDT H: 3992
ARNOLD CB: 3037
ARNSTEIN R: 2269
ARON C: 559, 3868
ARON-ROSA DS: 109
AROUJO TR: 3502
ARSENI C: 110
ARTH GE: 3014
ARTHES FG: 3239
ARTHUR GH: 111
ARTZT K: 112
ARVAY A: 1201, 2812
ASAGAMI C: 113
ASATO N: 114
ASCH G: 559
ASCHBACHER PW: 97
ASCHENBRENNER J: 705
ASCHER S: 2584
ASDOURIAN K: 4116
ASHBELL TS: 115
ASHBY CD: 116
ASHINAGA T: 2504
ASHITAKA Y: 117
ASHKAR FS: 118
ASHMARIN IP: 119
ASHRAF J: 1665
ASHWORTH TS: 120
ASOFSKY R: 3742
ASPEITIA E: 381
ASQUITH P: 720
ASSAN R: 92
ASSEFF CF: 231
ASSENMACHER I: 121, 299
ASTEDT B: 3631
ASTIER H: 121
ATAMANOVA TM: 3547
ATGER M: 2480
ATKIN NB: 122
ATKIN T: 3069
ATKINS HL: 123
ATKINSON JM: 124
ATKINSON JN: 125
ATKINSON PJ: 126

ATRENS DM: 127
ATTILA U: 3870
ATTINASI LC: 3389
ATWATER HF: 128
AUBERT ML: 1225, 2875
AUBRY P: 3728
AUGUST LN: 168
AUGUST S: 3318
AUGUSTIN P: 1880
AULETTA FJ: 129, 523
AURBACH GD: 130, 321
AUSSANNAIRE M: 131
AUSSEL C: 3821
AUTISSIER N: 941
AUVERT J: 132, 3909
AUZAN C: 737
AVIGDOR R: 3301
AVIOLI LV: 133
AVIRAM I: 134
AWATAGUCHI T: 1184
AXELROD LR: 135, 2479
AXELSSON S: 138
AXEN U: 137
AYACHI S: 1444
AYOUB LA: 3505
AYRAUD N: 138
AZARBAL S: 1028
AZIZI F: 14
AZNAIR R: 381
AZUKIZAWA M: 2037
AZUMA Y: 139

B

BABA H: 140, 2502
BABA Y: 102
BABEL-GUERIN E: 141
BABIARZ D: 2225
BABICHEV VN: 142
BABIN P: 1272
BABIOR BM: 143
BABLIK L: 144
BACH JF: 145-147
BACH MA: 147
BACKMUND H: 2450
BACKSTROM M: 148-149
BACON GE: 150
BACON WE: 151
BACQ ZM: 840
BACZYNSKYJ L: 137
BADESCU I: 802
BADRAOUI MH: 152
EL-BADRY AM: 153
BAER JE: 154
BAERE R DE: 2814
BAGGENSTOSS AH: 2333
BAGLEY CM JR: 155
BAGLIN A: 158
BAGRAMIAN ER: 2873
BAGRITSEVICH IUI: 1409
BAGSHAW MA: 3030
BAGSHAWE KD: 157
BAGUET F: 158
BAGWELL JN: 2108
BAILE CA: 159
BAILEY CC: 180
BAILEY E: 181
BAILEY KV: 182
BAILEY LE: 2758
BAILEY RL: 2078
BAILEY RR: 878
BAILIE MD: 183
BAILLET F: 164
BAILLIE P: 3288
BAIN LS: 185
BAIRD DT: 1132
BAJAKIC D: 2718
BAJDEKOFF B: 3975
BAJPAYEE DP: 188
BAK IJ: 2132
BAKER BI: 187
BAKER BL: 168
BAKER FL: 4099
BAKER PF: 189
BAKER RD: 1880
BAKER RM: 3745
BAKER WH: 2288
BAKOS L: 170
BAKSI SN: 171
BAKURDZHIEV D: 172-173
BALAN M: 2391, 2477
BALANSARD P: 411
BALCH HW: 185
BALDET P: 300
BALDI A: 174
BALDUS WP: 175
BALINSKY JB: 176
BALL HJ: 613
BALLANTYNE J: 177
BALLARD CA: 178
BALLESTEROS LM: 1562
BALLINGER WF: 4034
BALMER JP: 564
BALOG P: 179
BALOGH S: 2068
BALPH DF: 1138
BALSARA AB: 3202
BALTAR L: 3876
BALUARTE HJ: 1384
BANACH K: 180
BANCROFT FC: 181
BANERJEE RC: 182
BANERJEE S: 2980
BANFALVI M: 1711
BANGHAM DR: 183
BANIM S: 1121
BANKHURST AD: 184, 1490
BANKS AJ: 380
BANNISTER DW: 185
BANOVAC K: 3344
BANSAL DV: 2281
BAR A: 186
BARA G: 187
BARABASH RD: 188
BARAC G: 189-190
BARANSKA H: 191
BARASI S: 192
BARBEAU A: 780, 910
BARBER HR: 193
BARBOLINI G: 400
BARBOSA J: 194-195
BARCH SH: 3369
BARCHAS JD: 3452
BARDEN TP: 196
BARDIER A: 3119
BARDOU L: 297
BARENHOLZ Y: 2113
BARIC L: 3344
BARKER G: 1452
BARKHATOVA TP: 1691
BARLOW JF: 197
BARLOW P: 198
BARNA B: 868
BARNARD S: 2817
BARNES EW: 199, 522
BARNES RH: 200
BARNISH G: 717
BAROIS A: 1335
BARON C: 2060
BARR KL: 732
BARR W: 2624
BARRA HS: 201
BARRA J: 202
BARRETT MJ: 203
BARRINGTON EJ: 3739
BARROWMAN JA: 204
BARRY H 3D: 673
BARSON AJ: 1495
BARTELHEIMER H: 205
BARTH T: 2982
BARTHELEMY JP: 408
BARTHOLOMEW AA: 206, 3623
BARTKE A: 207
BARTKOWIAK K: 208
BARTLETT MF: 49
BARTLEY W: 2341
BARTON AD: 209
BARTOS D: 2049
BARTRUFF JK: 3482
BARTTER FC: 210, 3442
BARUZZI RG: 3870
BARWIN BN: 211
BARZU S: 3862
BASKIES A: 2104
BASKIN RJ: 836
BASOM CR: 2106
BASS NH: 212
BASSERMANN FJ: 3992
BASSLER TJ: 2771
BASTENIE PA: 856
BASU J: 213, 634
BASU N: 1246
BATCHELOR A: 214
BATES D: 3407
BATRA BK: 3829
BATRA S: 215
BATSON HM JR: 412
BATT RA: 216
BATTAGLIA FC: 3140, 3480
BATTEN JC: 217
BATTENBERG EF: 3426
BATTIE C: 1354
BAUCH K: 218
BAUCHART J: 219
BAUER B: 1956
BAULIEU EE: 1243, 2480, 3103
BAUMANN D: 220
BAUMANN M: 221
BAUMGARTEN G: 918
BAUMGARTEN HG: 222
BAUMINGER S: 3957
BAXTER JD: 3158
BAXTER-GRILLO DL: 223
BAYARD F: 229
BAZER FW: 13, 1937
BAZZANO G: 3232
BEABOUT JW: 3450
BEACH GD: 1851
BEAHRS OH: 3294
BEAL JM: 224
BEALL RJ: 3255
BEAM LR: 225
BEARDWELL CG: 496
BEASLEY AG: 849
BEAUFILS: 3205
BEAUVAIS P: 1439, 1827
BEAUVALLET M: 226
BEAZLEY JM: 227-228
BEC P: 229
BECCHI G: 3197
BECK C: 579
BECK H: 575
BECK O: 230
BECK W: 68
BECKER A: 1883, 3118
BECKER B: 231, 597
BECKER BA: 1761
BECKER D: 2906
BECKER DV: 251
BECKER FO: 1994
BECKER G: 1601
BECKER KL: 232-234, 403
BECKER N: 607
BECKER PE: 235
BECKER RM: 236
BECKERHOFF I: 237
BECKERHOFF R: 237
BECKMAN EL: 238
BECKMAN L: 239
BECKMANN R: 1005
BECROFT DM: 904
BEDES GD: 3145
BEDFORD JM: 240
BEDIRIAN KN: 1880
BEDNAR J: 1071, 3112
BEDNORZ W: 617
BEEK JM: 3264
BEER D: 241
BEER R: 241
BEEVERS DG: 826
BEGER HG: 334
BEGUIN F: 516, 4032
BEHMAN SJ: 242
BEHN C: 4003
BEHRENS U: 3573
BEHRMAN HR: 1731
BEIERWALTES WH: 1572
BEIL B: 2184
BEKHTEREVA EP: 243
BEL ET: 1782
BELAICH S: 244
BELENGER J: 3842
BELEY JP: 1212
BELIC I: 245
BELL AE: 698
BELL AM: 246
BELL C: 247
BELL ET: 214, 652
BELL J: 248, 3532
BELL PR: 249, 886-887

BELL RH: 2619
BELLABARBA D: 250
BELLANGER F: 3821
BELLER FK: 3720
BELLWINKEL S: 4140
BELSHAW BE: 251
BELTZ L: 252
BEN-ISHAY D: 253, 4092
BENARD B: 250
BENATTI O: 254
BENCSATH P: 255
BENDCOVSKY M: 2108
BENDER DA: 256
BENDER MB: 257
BENDERLI A: 583
BENDERLY A: 584
BENEDETTI EL: 2073
BENEKE G: 2836
BENENDO-KAPUSCINSKA B: 258
BENES P: 259
BENEZECH M: 260
BENIKOVA EA: 3466
BENINI A: 261
BENIRSCHKE K: 1901
BENJAFIELD JG: 262
BENNAICHE M: 1335
BENNETT AH: 263
BENNETT D: 112
BENNETT EJ: 264
BENNETT GW: 970
BENNETT RC: 285
BENNUN M: 448
BENO L: 266
BENOIT PR: 267
BENOIT PS: 326
BENSCH KG: 1528
BENSON B: 268
BENSON PA: 269
BENVENISTE R: 3532
BENZER S: 1639
BER A: 50, 270
BER GI: 3492
BERARD CW: 537
BERCHTOLD JP: 271
BERCOVICI B: 272
BERCOVICI JP: 273
BERCU BA: 3932
BERECZ G: 1920
BEREGI E: 1316
BEREK JS: 2558
BERGAMASCHI P: 274
BERGDAHL L: 275
BERGEMANN T: 1419
BERGER M: 303
BERGER MJ: 3896
BERGER R: 276
BERGER RS: 277
BERGFORS PG: 278
BERGHOFFER B: 1400
BERGIN JJ: 4156
BERGIN WN: 279
BERGLUND G: 3687
BERGMANN R: 3913
BERGNA L: 2841
BERGOFSKY EH: 280
BERGSAGEL DE: 281
BERGSJO P: 282
BERGSTROM K: 283
BERGSTROM KK: 1917
BERGSTROM S: 284-286
BERISTAIN II: 3078
BERK PD: 343
BERK RN: 3504
BERL T: 287, 3309
BERLAN M: 3410
BERLE P: 288
BERLINGIERI D: 2537
BERMAN E: 2351, 3168
BERMAN ML: 289
BERMAN W: 2207
BERN HA: 2612
BERNADOU A: 290
BERNARD J: 291
BERNARD PA: 1432
BERNARD R: 1271
BERNARD-WEIL E: 292
BERNARDIS LL: 293, 1850
BERNHEIM R: 1195
BERNIER JJ: 2409, 2494
BERNOVSKAIA AA: 2030
BERNTSON GG: 294
BERRYMAN I: 183
BERSON SA: 4072
BERT G: 1120
BERTHELOT A: 295
BERTHOLET JY: 296, 1879
BERTHOU F: 297
BERTINO JR: 2981
BERTRAM JS: 298
BERTRAND A: 299-300
BERUARD M: 4133
BERUBE L: 3685
BESCH PK: 17, 460
BESKID M: 301, 2230
BESSENT RG: 1347
BESSER GM: 302
BESSON J: 303
BEST JM: 304
BETHGE HD: 3541
BETRO MG: 305
BETTENDORF G: 306
BETTER OS: 307, 583, 1438
BETTZIECHE H: 1471, 2585
BETZ G: 308
BEUTLER E: 309
BEUTNAGEL H: 310
BEWLEY TA: 311
BEYER KH: 154
BEYNON CL: 1666
BEYRA M: 312
BEZJIAN AA: 118
BEZON A: 138
BHANALAPH T: 3849
BHANCHET P: 2947
BHARGAVA SK: 3828
BHATIA SK: 1421
BHATNAGAR AS: 357
BHATTACHARJEE I: 3829
BHATTACHARYA AK: 2018
BIALY G: 761-762
BIANCHERO F: 1277
BIANCO JA: 1415
BICKHARDT R: 313
BICKNELL PG: 314
BIEDER J: 315
BIELAWSKI W: 658
BIELER EU: 318
BIELY J: 2354
BIERENS DE HAAN B: 317
BIERICH JR: 318-319
BIERME R: 770
BIERWAGEN ME: 781
BIGLIERI EG: 1259
BIHLER DA: 320
BILEK K: 3169
BILEZIKIAN JP: 321
BILOUS R: 322
BILSKI-PASQUIER G: 290
BINDER C: 1876-1877
BINDER HJ: 3403
BINDER V: 323
BINDON BM: 324
BINDRA D: 2844
BINDSTEIN E: 2916
BINET L: 325
BINET P: 325
BINGEL AS: 326
BINNEWIES S: 3282
BINNINGTON JA: 327
BIRCHER J: 1575
BIRD CE: 666
BIRK SA: 3521-3522
BIRKENHAGER JC: 328
BIRMINGHAM MK: 1619
BIRNBAUM D: 253
BIRNBAUM MD: 329
BIRNBAUM SJ: 655
BIRNBAUMER L: 330
BIRTIC K: 3344
BISCHOFF B: 331
BISHOP JM: 2161
BISHOP MC: 332
BISSETT JK: 333
BITTNER RR: 334
BJORKLUND A: 136, 335
BJORKMAN N: 1135
BJORKMAN U: 3907
BLACK AM: 336
BLACK DA: 337
BLACK T: 338
BLACKMON DM: 2648
BLACKSHAW AW: 992, 2392
BLACKWELL JT: 562
BLAHA GC: 2106
BLAHD WH: 3967
BLAHNIKOVA L: 339
BLAHOS J: 340
BLAHSER S: 341
BLAINE CR: 4000
BLAIR DW: 3576
BLAKE CA: 993, 2704
BLAKELEY AG: 342
BLAKLEY GA: 4000
BLANC G: 3723
BLANCH HW: 1075
BLANCHET P: 244
BLANKENSHIP LH: 1872
BLANKENSHIP W: 602
BLASCHKE TF: 343
BLAUDOW K: 344
BLAZEK J: 345
BLEIN JP: 346
BLEISCH A: 2472
BLIGH J: 347
BLISS EL: 348
BLITZ NM: 349
BLIZZARD RM: 2898
BLOCH R: 3081
BLOCK MB: 3009
BLOCK SH: 350
BLOCKEY MA: 351, 788
BLOM J: 3614
BLOMGREN H: 352
BLONDAUX C: 353
BLOOM FE: 29, 1600, 3428
BLOOR CM: 2168
BLOUGH WM JR: 712
BLUM JJ: 2951
BLUM K: 354
BLUM M: 355
BLUTE R: 1569
BLYTH CA: 358
BOARD JA: 357, 2449
BOATENG G: 358
BOATMAN DL: 359
BOBAS-MASSON F: 2416
BOCHENEK W: 360
BOCHKOV NP: 361
BOCK JE: 362
BOCK K: 363
BOCK RD: 364
BOCKEL K: 1649, 3025, 3899, 3910
BOCKENSTEDT F: 1032
BOCZKOWSKI K: 365-367
BODAREV VKH: 368
BODDY K: 369
BODLEY FH: 370
BOER K: 3632
BOESEN E: 3162
BOFFA GA: 371
BOFINGER MK: 372
BOGART E: 2440
BOGDANOVE EM: 891
BOGIN IUN: 373
BOGOMOLETZ WV: 1319
BOGOSSIAN M: 661
BOHEC M: 2066
BOHM W: 374
BOHME G: 2175
BOHORFOUSH JG: 375
BOHUON C: 473, 2708
BOIE A: 3610
BOIKOVA VV: 2952
BOISSIN J: 299
BOJESEN E: 378
BOJTOR I: 377
BOKU K: 1690
BOLIVAR A: 2119, 2363
BOLLENGIER WE: 378
BOLLINGER J: 3045
BOLLMANN R: 853
BOLOGA EI: 379
BOND WH: 380
BONDANI A: 381
BONDAREFF W: 2641
BONE FJ: 4085
BONES H: 893
BONFIELD W: 382
BONILLA MARTI F: 383
BONILLA-MUSOLES F: 383

BONJOUR JP: 384
BONNAR J: 152
BONNER JT: 385
BONNEVIE O: 323
BONNEY RC: 1182, 2762
BONSALL RW: 2460
BONTE P: 3838
BOOG G: 3061
BOOKALLIL M: 1794
BOOKSTEIN JJ: 711-712
BOONAYATHAP U: 2376
BOOTH GD: 1653
BOQUIST L: 275
BORBERG V: 534
BORCHERT LG: 1461
BORDIER P: 2494
BORDIER PJ: 386
BORGAONKAR DS: 387
BORGHI A: 388
BORGOGNI G: 1111
BORIS A: 389-391
BORISOVA OI: 373
BORKA L: 392
BORN GV: 393, 2482
BORNET EP: 1016
BORODKIN IUS: 2030
BOROWICZ JW: 301
BOROWITZ JL: 2999
BOSHANS RL: 3045
BOSIN TR: 394
BOSS M: 395
BOSSE HG: 2842
BOSSE K: 396
BOSSEN EH: 2236
BOSSI E: 397
BOSTICK FW: 155
BOTELLA GARCIA J: 708
BOTEY A: 573
BOTSCH H: 398
BOTTGER D: 1552
BOTTGER EM: 399
BOTTGER WV: 399
BOTTICELLI A: 400
BOTTOMS GD: 2256, 3581
BOUCHAUD C: 401
BOUCHER D: 295, 2879
BOUCHER R: 780
BOUDIER JL: 402
BOUHUYS A: 921
BOUISSOU H: 572
BOUKHRIS R: 234, 403
BOULANGE M: 499
BOULANGE M: 2357
BOUMGHAR M: 404
BOURDEL G: 1270
BOUREL M: 3439
BOURGEOIS J: 3887
BOURKE JR: 2344
BOURNE HR: 405, 2170
BOURNE RA: 406
BOURNE RB: 1694
BOURNEVA V: 1424
BOUSFIELD G: 407
BOUSQUET B: 408
BOUSSER J: 290
BOUT J: 2828
BOUTERS R: 409, 3838
BOUVIER M: 410
BOUYARD P: 411
BOVILL EG JR: 986
BOWEN DJ: 2255
BOWEN M: 2468
BOWER BF: 502
BOWER JD: 3035
BOWER PJ: 412
BOWERS CY: 413
BOWERS RE: 414
BOWLAND JP: 415
BOWYER DE: 264
BOYAR R: 1834
BOYAR RM: 416
BOYD AE 3D: 1988
BOYD GA: 886
BOYD GW: 3843
BOYER J: 687-688
BOYLE CM: 417
BOYNS AR: 1782
BOZI J: 1854
BRAAKSMA JT: 418, 442, 2575
BRACELAND BM: 4001
BRACKEN MB: 419
BRADEN AW: 1617
BRADFORD GE: 420-421, 2599
BRADFORD IE: 970
BRADFORD WD: 422
BRADFORD WP: 2204
BRADLEY EM: 2032
BRADLEY KC: 1884
BRADLEY PB: 1626
BRADSHAW SD: 423
BRADSHAW WN: 424
BRAENDLE W: 425
BRAILOVSKY C: 426
BRAIMBRIDGE MV: 4056
BRANDES D: 2817
BRANDI AM: 2853
BRANDRUP F: 1790
BRANDRUP FO: 427
BRANDT JT: 428
BRANT J: 429
BRASEL JA: 3861
BRASMER TH: 430
BRAUN KP: 431, 1278
BRAUN P: 432
BRAUN-FALCO O: 492
BRAUNITZER G: 689
BRAUNSBERG H: 433
BRAUNSTEIN GD: 434, 3053
BRAUNSTEIN P: 598
BRAUNWALD E: 2166
BRAVERMAN IM: 2703
BRAVERMAN LE: 14, 3824
BRAVO EL: 435
BRAY AR: 436, 4043
BRAY GA: 437, 4098
BRAZA J: 345
BRAZEAU P: 2197, 3834
BRAZEAU P JR: 182
BRDICZKA D: 3058
BRECKWOLDT M: 306, 425
BREEN KJ: 438
BREHANT J: 439
BREKELMANS WA: 440
BREKNER H: 2518
BRENEMAN WR: 441
BRENNER MA: 3566
BRENNER P: 1428, 3101
BRENNER WE: 418, 442, 2575
BRENT BE: 443
BRESLER VM: 444, 2573
BRETTES P: 3061
BREUER H: 445, 2201, 3006, 3320
BREUER J: 445
BRIANT R: 2172
BRICAIRE H: 446, 2258, 2320, 2322
BRIDGES TE: 447
BRIERE J: 303
BRIESE E: 1561
BRIGGS JD: 826, 886-887
BRIGGS M: 448-450
BRIGGS MH: 449-450
BRINEY SA: 509
BRINKHOUS KM: 451
BRISKEY EJ: 3333
BRISKIN AI: 87
BRISOU J: 1272
BRISSON GR: 452
BROADBENT DW: 453
BROCK WA: 523
BROD J: 454
BRODEHL J: 455
BRODIE HJ: 1905
BROKX PA: 456
BROOKS FP: 457, 3134
BROOKS MR: 477
BROOKSHIRE RH: 3326
BROQUIST HP: 3684
BROWN CH: 2493
BROWN D: 458
BROWN DH: 1051
BROWN DM: 3028
BROWN EG: 120
BROWN GM: 459, 3340
BROWN H: 3143
BROWN JB: 1106
BROWN JJ: 826, 1893, 3094, 3962
BROWN JM: 591, 784
BROWN KI: 166
BROWN KS: 1378
BROWN LP: 460
BROWN PW JR: 3294
BROWN RD: 461-462
BROWN RG: 463
BROWN RS: 3239
BROWN SM: 3198
BROWN SW: 464
BROWN WT: 465
BROWNE JW: 246
BROWNING MC: 923
BROWNSTEIN MH: 466
BRUCE N: 5
BRUCK J: 467
BRUCKNER FE: 468
BRUDIEUX R: 1274
BRUGAROLAS A: 469
BRUIN EJ DE: 316
BRUINVELS J: 470
BRUMMER HC: 228, 471-472
BRUNAUD M: 2060
BRUNELLE P: 473, 2706
BRUNETTE DM: 3745
BRUNI CB: 474
BRUNTSCH U: 1601
BRUSH FR: 1785
BRUTON J: 3601
BRYAN HG: 738
BRYANT JA: 406
BRYER D: 475
BRYGOO ER: 2883
BRYON DM: 1593
BRYSON MF: 476
BUBBERS JE: 1551
BUCHANAN EC: 477
BUCHANAN RD: 3074
BUCHHAVE K: 376
BUCHHOLZ R: 3541
BUCHNER R: 3777
BUCKLEY JP: 1416
BUCKMASTER J: 2439
BUCKMASTER JM: 1086
BUCKO A: 266
BUCY PC: 478
BUCZYNSKI AZ: 2331
BUDA D: 2223
BUDRAS KD: 479-480
BUDREAU CH: 481
BUEHRING GC: 482
BUELL DN: 1214
BUGNON C: 483, 3124
BUHI WC: 3521-3522
BUKHMAN AI: 1892
BUKOVSAN W: 484
BULGER WH: 3671
BULL MJ: 485
BUMBA J: 486
BUNEAUX JJ: 487
BUNGE RG: 3397
BUNIATOVA IM: 488
BUNTE H: 489
BURCHARDT K: 490
BURDEN HW: 491
BURDETT J JR: 135
BURG G: 492
BURGER A: 3824
BURGER H: 183
BURGER HG: 1775
BURGER MM: 493, 1740
BURGHARDT CR: 3364
BURGUDZHIEVA T: 494
BURGUS R: 2197, 3834
BURKE CW: 495-496
BURKE EC: 497
BURKE G: 498, 2225
BURKE JF: 3371
BURKE JP: 1356
BURKHARDT H: 3707
BURLAKOW P: 2422
BURLEA A: 2860
BURLET A: 499, 2357
BURNS JK: 500
BURNS TW: 3594
BURNS WA: 501
BURNY F: 1906
BURRILL KC: 1031
BURRIS JF: 3230
BURROW GN: 502
BURROWS S: 503
BURSTEIN AH: 504
BURSTEIN S: 505
BURSTYN PG: 2211

BURTON AF: 3793, 4053
BURTON JL: 3407
BURTON RF: 506
BUSCAINO GA: 1346
BUSCH H: 4095
BUSCH W: 507
BUSH BM: 508
BUSH CW: 357
BUSH M: 4152
BUSHONG SC: 509
BUSSELEN P: 3844
BUSSIERE G: 874
BUSTARD TM: 510
BUTCHER FR: 511
BUTLER DG: 512-514
BUTLER JJ: 1199
BUTOV IUS: 3464
BUTTINGHAUS K: 27
BUTTNER W: 218
BUTTRAM VC JR: 17, 460
BUVET M: 2372-2374
BUXTON BH: 515
BYGDEMAN M: 516, 4032
BYGRAVE FL: 3736
BYRD CL: 1217
BYRD WJ: 517

C

CABAL R: 3521
CABANES J: 131
CABRIJAN T: 3344
CABRINI GP: 2394
CACHIN JC: 1737
CADWALLADER JA: 518
CAFFEY J: 519
CAFFIER G: 520
CAIN JP: 263
CAIN MD: 578
CAIN ML: 2390
CALANDRA RS: 666
CALCAGNOTTO AM: 3877
CALCOTT PH: 521
CALDER EA: 522
CALDERON JJ: 2352
CALDWELL BV: 71-73, 129, 207, 523, 1324
CALEY RM: 524
CALLARD IP: 1242
CALLARD R: 525
CALNE DB: 526
CALVERT DT: 527
CALVERT GD: 528
CALVINO B: 2060
CAMATTE R: 3237
CAMBRIA A: 529
CAMERON EH: 530
CAMIENER GW: 531
CAMIER M: 532
CAMMOCK S: 1787
CAMPAIGNE E: 394
CAMPATICO E: 1277
CAMPBELL AK: 533
CAMPBELL BJ: 534
CAMPBELL PS: 670
CAMPBELL RH: 160
CAMPBELL WL: 535
CAMUS JP: 536
CANALES ES: 4130
CANDLISH JK: 185
CANELLOS GP: 537
CANGIANO JL: 538
CANGUILHEM B: 539-540
CANNELLA M: 541
CANNONI M: 2848
CANONICO PG: 1837
CANTABONI A: 3409
CANTERBURY JM: 542
CANTFORT J VAN: 543
CANTOR B: 544
CAO A: 545
CAPELL PT: 546
CAPELLA C: 547
CAPELLA JA: 548
CAPELLI J: 57
CAPEN CC: 3964
CAPESIUS P: 1682
CAPONY F: 3104
CAPUTTO R: 201
CAQUET R: 2086-2087
CARAFOLI E: 549, 3148
CARBALLO J: 6
CARBONE PP: 550
CARDO B: 574, 3580
CAREY RJ: 1147
CAREY RM: 551, 2171
CARIO WR: 552
CARLI M: 742, 2945
CARLSON LA: 3914
CARLSSON EI: 553
CARLSTROM K: 2875
CARLTON PL: 3966
CARMELIET E: 3844
CARMICHAEL FJ: 514
CARNEGIE PR: 554
CARNEY JA: 555
CAROL W: 374
CARONE FA: 922
CARPENTER CW: 1314
CARPENTER RW: 2384
CARPENTIER S: 3068
CARPENTIER Y: 814
CARR AA: 2273
CARRE M: 556-557
CARRE M: 2494
CARREA G: 558
CARRER H: 559
CARRERES QUEVEDO J: 2825
CARRIAT P: 575
CARRICK FN: 560
CARRIER O JR: 561
CARROLL FI: 562
CARSON FL: 563
CARSON IW: 564
CARSTEN ME: 565
CARTER SK: 566
CARTIER P: 2356
CASALINO C: 2375
CASE RM: 3330
CASELLATO MM: 558
CASEY AE: 567
CASIDA LE: 671, 798, 963, 1010
CASILLAS ER: 568
CASPARY EA: 554, 569
CASPARY WJ: 1837
CASPER AG: 1265
CASS AS: 3886
CASSADY JR: 3030
CASSATT JC: 3080
CASSENS RG: 3333
CASTAIGNE A: 2084
CASTAIGNE P: 1396
CASTANIER M: 3300, 3699
CASTELLANOS RD: 1160
CASTRO A: 1462, 2049
CASTRO JR: 3715
CASTRO-VAZQUEZ A: 3145
CATHALA JP: 1396
CATHELINEAU L: 570
CATON D: 13
CATT KJ: 571
CATTANEO G: 635
CATTERALL RD: 1170
CAUJOLLE F: 572
CAULFIELD JB: 3371
CAUSSE PRADO M: 4087
CAUWENBERGE H VAN: 3439
CAVALCANTI JL DE: 2430
CAVALLE F: 573
CAVANAGH HD: 1127
CAVANAGH JB: 3298
CAZALA P: 574
CEDARD L: 575, 1392
CEGLECKA-TOMASZEWSKA K: 4127
CEHOVIC G: 576
CELASCO G: 1043
CELIS ME: 3673
CENDROWSKI W: 577
CERASI E: 4002
CERINI JC: 578, 784
CERINI ME: 579, 591, 784
CERVANTES A: 3078
CESSION-FOSSION A: 580, 1799
CHABRIER J: 2550
CHAE CB: 581
CHAFI-ZADEH M: 108
CHAI CY: 601, 620
CHAI H: 582
CHAIMOVITZ C: 583
CHAIMOWITZ C: 1436
CHAIMOWITZ S: 584
CHAIT A: 585
CHAKMAKJIAN ZH: 588
CHAKRABARTI B: 587
CHAKRABORTY J: 588
CHALLIS JR: 589
CHAMBAZ EM: 590, 1423
CHAMLEY W: 2639
CHAMLEY WA: 351, 578-579, 591, 784, 1088, 1775
CHAMNESS GC: 2288
CHAMPION PK JR: 842
CHAN PC: 592
CHAN SW: 593
CHANARD J: 594
CHANARIN I: 595
CHANCE B: 662
CHANCOLA A: 596
CHANDLER NJ: 1070
CHANDRA HS: 464
CHANDRA P: 597
CHANDRA R: 598
CHANDRASEKHAR KP: 599
CHANG CW: 600
CHANG LR: 601
CHANG MC: 4066
CHANG MM: 1079
CHANG RS: 602
CHANG YY: 602
CHANNING CP: 603-604
CHAOUAT M: 3277
CHAPDELAINE A: 370, 2121
CHAPMAN AB: 871, 798, 963
CHAPMAN C: 1341
CHAPNICK B: 1358
CHAPNICK P: 605
CHAPUIS G: 317
CHAPUT JC: 1030
CHARLES MA: 606
CHARRANSOL G: 2416
CHARREAU EH: 174
CHARRO AL: 607
CHARUSHNIKOVA GA: 3618
CHASE MH: 4070
CHASSARD-BOUCHAUD C: 608
CHATTERJEE A: 609-610
CHATTERJEE AK: 611
CHAU-WONG M: 3338
CHAUDHURI ND: 634
CHAUDHURI TUH: 612
CHAUDHURI TK: 812
CHAUDHURY MF: 613
CHAUMERLIAC P: 2512
CHAURAND JP: 614
CHAUSSAIN JL: 131
CHAUVET J: 815
CHAUVET MT: 615
CHAVES E: 616
CHAYEN R: 94
CHEBAN AK: 1972
CHEBOTAR'OV VF: 3836
CHECINSKA Z: 617
CHEDIN M: 1423
CHEKHERDEMIAN M: 101
CHEMAMA R: 3170
CHEMKE J: 818
CHEN A: 3014
CHEN CF: 601
CHEN CH: 819
CHEN CL: 2615
CHEN FW: 2112
CHEN HI: 820
CHEN HW: 821
CHEN JC: 730
CHEN SY: 622
CHEN WF: 623
CHENG KW: 624
CHEREDNICHENKO LK: 825
CHERKASOVA LS: 626
CHERNIACK RM: 2270
CHERNLY CH: 627
CHERTOW BS: 628
CHESNAIS JM: 629
CHESNE S: 1679
CHESTER R: 630
CHETVERUKHIN VK: 631
CHEVILLARD L: 1213
CHEVREL B: 632
CHEYNE GA: 3092
CHHETRI MK: 633-634
CHHIBBER SR: 3448
CHI C: 673

CHI D: 2047
CHIAINI J: 4035
CHIARA F: 635
CHIBA S: 636
CHIBATA I: 3769
CHICK WT: 461
CHIEFFI G: 3019
CHILCOTE DD: 637
CHILCOTE ME: 1950
CHILD KJ: 638
CHILDS B: 2698
CHINN C: 2807
CHIRITA S: 3531
CHIRPAZ MF: 3721
CHISAKO O: 2571
CHISHOLM DC: 639
CHISHOLM DP JR: 640
CHISTIAKOV VA: 3196
CHIU KW: 641
CHLADEK DL: 3143
CHOATE JW: 2975
CHOBDIENG P: 3848
CHOISEL G: 315
CHOISEL-HODICQ D: 315
CHOJNOWSKI C: 642
CHOMANT J: 2708
CHOMICKI O: 1505
CHOPRA BK: 643
CHORVATHOVA V: 266
CHORZELSKI T: 644
CHOSA K: 2593
CHOT ST: 386
CHOU ST: 645
CHOURAQUI J: 646, 3981
CHOUVET G: 353
CHOW BF: 647
CHOWDHURY MN: 3016
CHOWDHURY SD: 648
CHRAMBACH A: 3377
CHRETIEN M: 3115
CHRISTENSEN HN: 649
CHRISTIAN JJ: 650
CHRISTIANSEN I: 651
CHRISTIE DW: 214, 652, 1762
CHRISTIE S: 3146
CHRISTOV K: 653
CHRYSSIKOU M: 1969
CHU JW: 654
CHUNG A: 655, 2049
CHUNG SK: 2520
CHYLINSKI J: 656
CHYTIL F: 657
CIANCIA PERONE A: 1277
CIESIELSKI-TRESKA J: 1558
CIHAK A: 658
CIOFALO F: 659
CIPRIANI E: 660
CIPULLO JP: 661
CITTADINI A: 662
CIVATTE J: 244, 408
CLABAUT M: 663-664
CLAESSON I: 3687
CLAIREAUX AE: 665
CLAMAN HN: 3964-3965
CLARK AF: 666
CLARK AG: 667
CLARK BR: 2939
CLARK DD: 668
CLARK EA: 382
CLARK G: 2275
CLARK JF: 669
CLARK JH: 670
CLARK JR: 671, 798, 963
CLARK RE: 672
CLARK RL: 1586
CLARK RP: 356
CLARK SJ: 3921
CLARKE DE: 673
CLARKE HD: 1067
CLARKE JR: 674
CLARKE LH: 3793
CLARKE S: 1713
CLARKE SW: 217
CLARKSON AR: 675
CLARKSON EM: 676
CLARKSON TW: 1358
CLASSEN M: 909
CLAUSEN J: 954, 3537
CLAVADETSCHER P: 677
CLAVEQUIN MC: 483
CLAYBAUGH JR: 678
CLAYTON GW: 1913-1914
CLEARY JJ: 1457
CLEARY RE: 943
CLEMENS LG: 709
CLEMENS MJ: 679
CLEMENT-CORMIER YC: 1041
CLEMENTS VR: 676
CLERMONT Y: 680
CLEZY TM: 681
CLOPOTARU M: 110
CLOS J: 682
CLOUGH DP: 527
CLOUP M: 3205
COALSON JA: 683
COALSON JJ: 2911
COBO E: 684
COCA GARCIA MC: 2825
COCCHI R: 685
COCHRAN AJ: 2296
COCKETT AT: 686
CODACCIONI JL: 687-688
CODREANU D: 110
COELINGH JP: 689
COETZER TL: 176
COEZY E: 3170
COHEN A: 690
COHEN AD: 1113
COHEN BS: 23
COHEN C: 691
COHEN CJ: 622
COHEN DH: 692
COHEN EL: 711-712
COHEN G: 1355, 1535, 4114
COHEN I: 166
COHEN IR: 1069
COHEN L: 2422
COHEN P: 532, 693
COHEN PS: 203
COHN AM: 694
COHN RE: 695
COHN SH: 696-697
COHN ZA: 3559
COIGNET J: 2099, 2136
COJOCARU V: 3555
COKELAERE M: 2101
COLAIANNE JJ: 698
COLE HH: 699
COLE HS: 700
COLE RK: 3171
COLE SO: 701
COLEMAN R: 702
COLEMAN TG: 703
COLIN G: 219
COLLARD M: 704
COLLARD P: 704
COLLE E: 1414, 3268
COLLET H: 656
COLLINS EJ: 705
COLLINS WP: 1549, 4109
COLOBERT L: 3247
COLOFIORE J: 2563
COLOMBO JA: 993
COLTMAN CA JR: 2245, 2809
COLTON DG: 706
COMPHER MK JR: 707
COMROE JH JR: 336
CONCANNON PW: 3530
CONDE OLASAGASTI J: 708
CONEN PE: 1023
CONIGLIO L: 709
CONKLIN PM: 710
CONN JW: 711-712, 842, 1572
CONNER EA: 713-714
CONNEY AH: 2243
CONNOR TB: 321
CONTE FA: 1676
CONTE-DEVOLX B: 687
CONTESSE G: 1375
CONTESSO G: 276
CONTRERAS R: 2531
CONTULESCO A: 65
CONVEY EM: 3491
CONVIT J: 715
COOK DM: 716
COOK JA: 717
COOKE JD: 716
COOKE P: 719
COOKE WT: 720
COONEY DA: 721
COOPER D: 3453
COOPER DG: 231
COOPER DY: 3276
COOPER K: 1666
COOPER KJ: 1525
COOPER RR: 722
COOPER TG: 723
COOPER W: 724
COOVER GD: 725
COPP DH: 2666
COPPA G: 545
COPPEL DL: 2271
COQUILLAUD JP: 3856
CORABOEUF E: 629
CORDERO A: 726
CORDERO GL: 727
CORDOVA T: 2100
CORELLI F: 728
CORET IA: 1657
COREY EJ: 729-730
CORKER CS: 2306
CORNET F: 731
CORNETTE JC: 732
CORNU F: 733
CORNU M: 483
CORNUT G: 734
CORPECHOT C: 575
CORRODI H: 735
CORSI B: 3833
CORTES-GALLEGOS V: 1553
CORVAGLIA E: 736
CORVOL P: 737, 2321-2322
COSENTINO C: 2767
COSKEY RJ: 738
COSTA A: 742
COSTA E: 739, 1393, 2541
COSTA JM: 1251
COSTANTINI MA: 759
COTE G: 2551
COTES PM: 163
COTRUFO M: 4126
COTTARELLI V: 740
COTTERILL JA: 741
COTTINO F: 742
COTTON DW: 743-744
COUCH RM: 74, 745
COUINAUD C: 746
COULSON A: 1469
COULSON WF: 256
COULTER E: 3416
COUROT M: 747
COUTEAUX-DUMONT C: 652
COUTINHO EM: 3516
COUTINHO LM: 3066
COWAN DH: 281
COWIE AT: 748
COWLEY AW JR: 2267
COWLEY RA: 2061
COX DC: 389
COX K: 3735
COX ML: 749
COX RI: 560, 790, 928, 2639
COX SJ: 750
COY DH: 751
COY EJ: 751
COYLE JT: 752
COYLE MG: 724
CRABBE J: 753
CRAIG AW: 298
CRAIG-HOLMES AP: 754
CRAINE JE: 755
CRAMER H: 756
CRAPS L: 757
CRASTES DE PAULET A: 3716
CRASWELL PW: 758
CRAVEN JD: 759
CRAWFORD AC: 169
CRAWFORD JD: 1524
CRAWFORD RL: 3731
CRAWFORD RP: 913
CRAWHALL JC: 1711
CRAWSHAW LI: 760
CREAGAN S: 143
CREASMAN WT: 1461
CRENSHAW RR: 761-762
CRIDLAND MD: 763
CRILE G JR: 764
CRITCHLOW V: 4147
CROFT LR: 765
CROISY A: 1730

CROISY-DELCEY M: 1730
CRONE HD: 766
CROTHERS SF: 767
CROUGHS RJ: 768
CROVETTI F: 549
CROWELL WA: 769
CROWLEY WR: 4138
CROZDEA J: 770
CROZIER EH: 3488
CRYSTLE CD: 934, 3772
CSABA B: 771, 2603
CSABA G: 772
CSABA I: 773-774
CSAPO AI: 775-778
CUATRECASAS P: 779, 2020-2021
CUBESI G: 1674
CUBIT DA: 849
CUCHE JL: 780
CUCHET P: 781
CUDDIHY RG: 2577, 2887-2888
CUEVAS P: 782
CULLEN MJ: 783
CULP DA: 359
CUMMING IA: 578-579, 591, 784, 1086, 1775, 2839
CUMMINGS KB: 785
CUMMINS L: 351, 2639
CUMMINS LB: 1341
CUMMINS LJ: 786
CUNDIFF JH: 787
CUNLIFFE WJ: 741, 788
CUNNINGHAM FJ: 1182, 2762
CUNNINGHAM JR: 787
CURIONI GB: 541
CURREY J: 504
CURRIE BL: 413, 789, 1784
CURRIE WB: 790
CURRY AS: 2513
CURZON G: 1941
CUSHMAN P JR: 2896
CUSHNER IM: 791
CUSICK EK: 792
CVECKOVA L: 2081
CYRKOWICZ A: 793
CZOK G: 794
CZYGAN PJ: 795

D

DABROWSKA H: 2880
DADA K: 3823
DADA OA: 18
DAGGETT WM: 1415
DAHL E: 796
DAHL LK: 3011
DAHLEN HG: 3289
DAIKOKU S: 797, 1909
DAILEY RA: 671, 798
DALE A: 295
DALE SL: 2428
DAL MONTE PR: 799
DALRYMPLE GV: 333
DALTON K: 800
DALY JW: 3315-3317, 3388
DAMIAN A: 82-83
DAMIAN E: 801-802
DAMRON BL: 959
DANDEKAR P: 803
DANECKA U: 804
DANETSKAIA EV: 805
DANEV S: 3179
DANG-TRAN L: 806
D'ANGELO SA: 807
D'ANGIO GJ: 808
DANIEL PM: 809
DANIEL RK: 236
DANIEL V: 810
DANIEL WA JR: 811
DANIELSEN L: 812
DANILA-MUSTER A: 813
DANILOV AF: 1717
DANIS A: 814
DANISKA J: 2002
DANKOVA J: 459
DANOWSKI TS: 815
DAO TL: 3453
DAOUK AA: 816
DA PRADA M: 817-818, 2721
DAPUNT O: 819
DAR H: 820
DARDENNE M: 146
DARZYNKIEWICZ Z: 587
DAS GUPTA V: 821
DASGUPTA PR: 3350
DASHEV G: 1960
DASZYNSKI J: 2327
DAT S: 853
DATTA M: 822
DATTA SC: 611
DAUDA G: 2518
D'AURIAC GA: 823
DAVEY DA: 3268
DAVID A: 824
DAVID E: 3294
DAVID M: 3178
DAVIDOVICH SIA: 825
DAVIES DL: 826
DAVIES DR: 827
DAVIS B: 638
DAVIS EH: 2481
DAVIS GJ: 828-829
DAVIS HA: 830
DAVIS JO: 1789
DAVIS LE: 183
DAVIS MA: 831
DAVIS PD: 451
DAVIS RP: 2558
DAVYDOVA VA: 832
DAW E: 833
DAWKINS RL: 834
DAY BN: 2380
DAY G: 835
DEAMER DW: 836
DEANGELO AB: 837
DEATON OW: 285
DE BAST C: 855
DE BAULT LE: 838
DEBELJUK L: 839
DEBRECZENI LA: 255
DEBUCH H: 1841-1842
DEBY C: 190, 840
DECHAMPS P: 841
DECHERNEY AH: 3927
DECK KA: 842
DECKER DG: 843-844
DECKER JL: 321
DEDEK W: 845
DEFENDI V: 3479
DE GAETANI CF: 400
DEGIROLAMI U: 846
DEGOS CF: 2165
DEGROOT LJ: 3009
DEGROOT WJ: 847
DEGROSSI O: 4125
DE HEMPTINNE D: 3725
DEICHER H: 848, 2586
DEICHMANN WB: 849
DEIGERT FA: 850
DEIMLING O VON: 3948
DEKEL N: 851
DE LA BRASSINNE M: 852
DE LA FUENTE P: 853
DELAGARZA M: 2287
DELAITRE B: 2115-2118
DE LA TORRE CARRASCO F: 2640
DELAUNAY P: 1660
DELBAUFFE D: 2840
DEL CASTILLO EJ: 3117
DELCHER HK: 854
DELCLOS L: 3996
DELESCLUSE J: 855
DELESPESSE G: 856
DE LEVAL J: 857
DELHANTY JJ: 1170
DELL'ACQUA S: 2932
DELLENBACH P: 3588
DELLMANN HD: 3583
DELOBEL J: 2107
DELORME A: 1397
DELORME G: 947
DELORME ML: 1933
DELOST P: 858, 1274, 2854
DEL POZO E: 1108
DELUCA HF: 384, 1153, 4144
DELVOYE P: 3860
DELZANT G: 2511-2512
DEMANGE J: 2879
DE MARCO C: 859
DEMAREE GE: 2301
DE MARNEFFE R: 1908
DEMARS R: 860
DEMARTINI AJ: 3461
DEMARTINO L: 389
DEMBO DH: 881
DEMENT WC: 3452
DEMERS LM: 882-863, 1218, 2276
DEMINATTI M: 864
DEMLING L: 909
DE MOOR A: 409
DEMURA H: 2790
DEMUROV EA: 1896
DEN K: 3859
DENAMUR R: 885
DENARI JH: 3145
DENIS F: 1272
DENIS R: 866
DENISENKO PP: 867, 1410
DENNY WA: 246
DENT CE: 827
DENT J: 707
DEODHAR SD: 868
DEPREZ C: 889
DEQUATTRO V: 2254
DERACHE R: 1191
DEROCHE G: 2559
DEROM R: 3725
DEROO J: 1232
DESCOMPS B: 3716
DESHMANE SS: 870
DESHPANDE VR: 3202
DESIDERIO DM: 2466-2487
DESJARDINS PR: 871
DESMONTS JM: 3856
DE SOMBRE ER: 1753
DESPODOVA TS: 1675, 3669
DESSAUX G: 781
DESTOMBES M: 872
DESTOMBES P: 872
DESTRO F: 1674
DETENBECK LC: 873
DETRIE P: 874
DEUBEN RR: 1418
DEVECERSKI V: 875-878, 1233, 3748-3750
DE VIRGILIIS S: 545
DE VISSCHER M: 877, 1231
DEVITA VT: 537
DEVITA VT JR: 155
DEVLIN JG: 878
DE VRIES A: 2912
DEVRIES JR: 2247
DE WARDENER HE: 678
DEWEERD JH: 4058
DEWEY WC: 879
DEWS JE: 936
DEY AC: 880
DEY-HAZRA A: 1486
DE YOUNG N: 3332
DEYSINE M: 881
DE ZALENSKI C: 2902
DHALIWAL SS: 1608
DHALLA NS: 882
DHAR KL: 1985
DHAWAN BN: 1405
DHINGRA LD: 1337
DIAB IM: 883
DIAB M: 884
DIAMANT Y: 272
DIARD F: 885
DIAZ CASTELLANOS R: 853
DICK HM: 888-887
DICK JS: 888
DICULESCU I: 889
DICZFALUSY E: 3101, 3704
DIDDLE AW: 890
DIEBEL ND: 891
DIECKHOFF D: 892
DIEGUEZ F: 1160
DIERSCHKE DJ: 1848
DIETERICH WR: 893
DIETSCHI C: 1091
DI FIGLIA M: 57
DIGAUD A: 1119
DIGNAN PS: 372
DIHLMANN W: 894
DILIBERTI JH: 1384
DILS R: 1115
DILTS PV JR: 3382
DI MARCO AT: 895
DIMICOLI JL: 896
DIMMITT MK: 2482
DIMOU E: 1966

DINNENDAHL V: 897
DINULESCU E: 898
DIOGUARDI N: 899
DIOMEDE-FRESA V: 900
DIPASQUALE G: 901
DI PERRI T: 1111
DI SANT'AGNESE PA: 1856
DISTLER A: 902
DIVINCENTI F: 93
DIXON JS: 311
DJAHANGUIRI B: 903
DJERASSI C: 1411
DJINDJIAN R: 3722
DLUHY RG: 263
DOAK PB: 904
DOBARDZIC R: 3788
DOBELL AR: 2925
DOBERNECK RC: 905
DOBERSKY P: 2816
DOBRE V: 2729
DOBROSSY L: 906
DOBSON CW: 2882
DOCTER R: 768
DODDS MG: 638
DODDS WJ: 451
DODGSON KS: 1207
DOE RP: 194-195
DOHERTY GF: 783
DOHERTY JE: 333
DOIGNON J: 260
DOKUMOV S: 1228, 1958-1959
DOLGUSHINA AT: 867
DOLLINGER HC: 907
DOMANY Z: 908
DOMINGUEZ AE: 3869
DOMINOK G: 3507
DOMOTOR A: 1982
DOMSCHKE S: 909
DOMSCHKE W: 909
DONABEDIAN RK: 2417
DONADIO JV JR: 4058
DONALD I: 3097
DONALDSON J: 910
DONATH H: 911
DONEGAN WL: 912
DONHAM KJ: 913
DONIACH D: 1170
DONNADIEU M: 2853
DONNELLAN AM: 3026
DONNER I: 2019, 3900
DONOVAN BT: 914
DONSKOVA LV: 1691
DOOBETA T: 915
DOOLITTLE DP: 4024
DOORENBOS H: 2080
DOPEREIRO HALLI GI: 3618
DORDAIN M: 916
DORDEVIC P: 949
DORFMAN HD: 2343
DORFMANN H: 917, 3354
DORIGO P: 1054
DORL F: 1055
DORNER G: 918
DOROFEEVA GD: 919
DOROSZLAY J: 1982
D'ORSI C: 4146
DORST W: 1838
DOSTAL MM: 1750
DOUGLAS JG: 920, 2171
DOUGLAS JS: 921
DOUSA TP: 922
DOUSAITOU P: 1830
DOUZOU P: 1594
DOWNEY E: 567
DOWNIE J: 2204
DOWNIE WW: 923, 2829
DOWNS P: 3824
DOYLE FH: 924
DOYON DL: 109
DRAHOVSKY D: 3050
DRAKE TE: 925
DRANCE SM: 2964
DRASH AL: 2698
DRAY J: 926
DRAY TF: 926
DRESCH C: 2625
DRESS D: 927
DREUX C: 408
DREYFUS J: 1439, 1827
DREYFUS JC: 594
DRINAN JP: 928, 2839
DRINGS P: 1966
DRIVENES A: 929
DROR Y: 3242
DROZD JW: 930
DRURY MI: 931
DRYLL A: 1004
D'SOUZA A: 932
DUAFALA JG: 2921
DUBE WJ: 933
DUBIN NH: 934
DUBY RT: 3529
DUCAYEN M: 1733
DUCHAMP DJ: 137
DUCHARME JR: 935
DUCHATEAU J: 856
DUCKETT G: 3927
DUENAS DA: 936, 1472
DUFAU ML: 571
DUFFY PE: 2505
DUFOUR A: 2455
DUFOURMENTEL C: 202
DUFY B: 937
DUFY-BARBE L: 937-938
DUGA J: 1238, 2162
DUHAMEL G: 80
DUKARSKII FG: 3653
DUKELOW WR: 939, 1500, 2110
DUKES M: 630
DUKOR P: 3286
DULAC H: 1397
DUMAS J: 940
DUMAS P: 941
DUMONT JE: 3852
DUNANT Y: 141
DUNCAN DC: 1021
DUNDEE JW: 564, 2271
DUNK LP: 64
DUNLAP RC: 2286
DUNLOP WL: 2847
DUNN RP: 942
DUNN TG: 4024
DUPERRAY B: 1391
DUPEYRON JP: 1212
DUPLAY J: 138
DUPON C: 943
DUPONT A: 944-945
DUPONT E: 4133
DUPOUY JP: 946
DUPUIS Y: 1099, 1119
DUPUY JP: 947
DURAN JM: 32
DURAN-REYNALS ML: 948, 2181
DURAND L: 132
DURAO V: 1251
DURIC DS: 949
DURINDOVA Z: 3544
DURLIAT M: 950
DURNFORD R: 3093
DUSTERDIECK GO: 3094
DUSTING GJ: 124
DUTAU G: 3119
DUTRILLAUX B: 3068
DVORAK R: 486, 951
DVORAK V: 2710
DVORZHAK E: 179
DWYER JM: 952
DYER DC: 953
DYESS K: 1462
DYGGVE HV: 954
DYMNIKOVA LP: 955
DYRENFURTH I: 544
DZIEDZIC-GOCLAWSKA A: 2782
DZIENISZEWSKI J: 956
DZNELADZE NM: 2362

E

EAKER D: 1158
EALES JG: 3445
EALES L: 1808
EARLE M: 2559
EARLL JM: 2241
EASTMAN JW: 2222
EASTWOOD JB: 386, 676
EASTY DL: 957
EATON SB JR: 3088
EBBESEN P: 958
EBER O: 1962
EBERST DP: 959
ECHEVERRY G: 960
ECHOLS WB: 3597
ECKHARDT U: 951
ECLANCHER F: 961
EDELHOCH H: 3149
EDELING CJ: 1109
EDELMAN IS: 962, 1174-1176, 2178, 3158
EDEY TN: 963
EDGERTON LA: 3491
EDINGER H: 3417
EDMOND JL: 158
EDMOND P: 3146
EDMONDS CJ: 964
EDMONDS MW: 965
EDMONDSON JW: 966
EDMUNDS LH JR: 3173
EDQVIST LE: 967
EDWARDS BA: 968
EDWARDS CR: 302
EDWARDS KD: 969
EDWARDS L: 1950
EDWARDS ME: 968
EDWARDS MS: 1851
EDWARDS R: 1748
EDWARDS WA: 1856
EDWARDSON JA: 970
EECKELS R: 3841
EGART FM: 971
EGBERT B: 3186
EGGEN PC: 972
EGGERMONT E: 3841
EGGERTSEN G: 2707
EGIDY H VON: 973
EGLITE LR: 1895
EGOROVA TV: 87
EGUCHI Y: 2626
EHRHARDT AA: 2529
EHRHARDT OE: 2904
EHRHART K: 1569
EHRMANN EH: 974
EICHENBERGER-DE-BEER H: 975
EICHER EM: 976
EICHHOLTZ W: 977
EICHLER J: 978
EIDE I: 979-980
EIDES E: 820
EIGLER J: 981, 3806
EILER H: 982
EIMER H: 2928, 3022
EINARSSON K: 983-984
EISAHY NI: 985
EISEN EJ: 3641
EISENBARTH GS: 854
EISENBERG KS: 986
EISENFELD AJ: 378
EKHOLM R: 3907
EKMAN L: 987
ELDER GH: 987
ELDER JA: 988
ELIAS EG: 989
ELIAS JA: 990
ELIEL LP: 3731
ELIN RJ: 343
ELKE M: 991
ELKINGTON JS: 992
ELLEFSON RD: 2658
ELLENDORFF F: 993-994
ELLIOTT CS JR: 1340
ELLIOTT RB: 995
ELLIS HK: 996
ELLIS JP: 997
ELLIS JP JR: 1442
ELLIS KJ: 696-697
ELLIS LC: 1138
ELLIS M: 998
ELSNER B: 999
ELSTER AJ: 3412
ELTING JJ: 1000
ELY CA: 3325
EMANUEL JR: 1223
EMBREY MP: 152, 1001-1002
EMEL'IANOV NA: 3414
EMERY CW: 1003
EMERY JP: 1004
EMERY RS: 3413
EMRICH D: 1005
EMURA T: 2750
ENDO H: 2772
ENDO J: 1006
ENDO M: 6

ENDO S: 2686
ENDROCZI E: 3674
ENERBACK L: 1007
ENESTROM S: 2707
ENFEDZHIEV M: 1008
ENGBAEK C: 1676
ENGEL CR: 3016
ENGEL E: 1308, 1443
ENGEL WK: 2598
ENGELBERTH O: 1009
ENGELSMAN E: 2874
ENGLAND BG: 1010
ENGLAND P: 1011-1012
ENGQUIST A: 1013
ENIGK K: 1486
ENNEVER J: 1014
ENNIS F: 1926
ENNIS PH: 2011
ENNIS TJ: 1015
ENOMOTO K: 1704
ENTMAN ML: 1016, 2236
ENTWISTLE KW: 1017
ENWONWU CO: 1016
EPAND RF: 1019-1020
EPAND RM: 1019-1020
EPPINGER-HELFT M: 2841
EPSTEIN BH: 2556
EPSTEIN FH: 1113-1114, 1528
EPSTEIN M: 1021
EPSTEIN SW: 2948
ERAK P: 4137
ERAUSQUIN J: 2872
ERBER LB: 2199
ERENYI J: 1919
ERHARDT F: 2898-2900
ERICKSON RR: 2890
ERICSSON LH: 1559
ERKKOLA R: 1022
ERKMAN-BALIS B: 1023
ERLICHMAN J: 3163
ERLIK D: 1436
ERRINGTON ML: 1024
ERWIN J: 1025
ESCH EP VAN DER: 1544
ESIUTINA OS: 1026
ESKILDSEN PC: 1027
ESKIN BA: 1028
ESKIN TA: 168
ESPEJEL DE VEITES B: 62
ESPINOZA C: 2423
ESTEBAN A: 1029
ETIENNE JP: 1030
ETO N: 2761
ETTINGER B: 1031
EULE J JR: 1032
EVANS AK: 74
EVANS GW: 1033
EVANS JJ: 996
EVANS JR: 1034
EVANS JT: 989
EVANS K: 635
EVELAND WC: 712
EVERITT BJ: 1035
EVERSMAN J: 3034
EVSTRATOVA LA: 1036
EWART RB: 1643
EWE K: 1037
EWEN K: 3284
EWING LL: 3076
EYRE DR: 1038
EZCURDIA MA: 653

F

FABEROVA A: 1939
FABIAN F: 1996
FABRE LF JR: 1051
FABRIS N: 1039
FACKRELL HB: 767
FADEEVA MA: 3653
FAGERBERG SE: 1040
FAHLBUSCH R: 2584
FAHNING ML: 96
FAHRLANDER H: 1056, 1065
FAIERMAN D: 3324
FAIN JN: 1041
FAIN-GIONO J: 2116
FAINBOIM L: 2421
FAIRBAIRN D: 3689
FAIRLEY VM: 4080
FAIRWEATHER R: 3685
FAJANS SS: 1042
FAJER AB: 1602
FALCK B: 136
FALCONER IR: 406
FALCONI G: 1043
FALKAY G: 1044
FALKSON G: 1045
FALKSON HC: 1045
FALLOWS DJ: 3120
FALLS WF JR: 1046
FALVO RE: 1047
FAN TY: 1048
FANESTIL DD: 2247
FANG VS: 3096
FANSKA R: 606
FARAS A: 2161
FARBER E: 1049
FARBER LR: 2981
FARDEAU M: 594
FARIS AA: 1050
FARISS BL: 628, 640
FARMER RW: 1051
FARMER SW: 1052
FARNEBO LO: 735
FARROW GA: 1053
FASCIOLO JC: 2994
FASSINA G: 1054
FAUCOUNAU N: 3589
FAUR A: 1055
FAURE JM: 107, 937, 2674
FAUST H: 1056
FAUSTO N: 428
FAVEZ G: 1057
FAVIER J: 1058
FAVRE L: 2885
FAWCETT CP: 1623
FAWCETT DW: 1599
FAZEKAS A: 1167
FAZEKAS AG: 1059, 2121
FAZEKAS IG: 1060-1061
FECHNER RE: 1062
FEDER HH: 3906
FEDER S: 3433
FEHM HL: 1063
FEIGELMAN SS: 1064
FEINMANN EL: 569
FEINSTEIN R: 1065
FEKETE B: 1066
FELBER JP: 1225, 2875
FELDBERG W: 1067-1068
FELDMAN D: 1174-1176
FELDMAN M: 1069
FELIX JM: 3624
FELL LR: 786, 1070
FELT V: 1071, 2649
FELTHAM LA: 2499
FEMINELLA J: 3947
FENG HW: 1072
FENG LY: 1467
FENOUGHTY M: 161
FENTON SS: 1053
FERBER E: 1073
FERBERT WN: 1074
FERDOUSE M: 1075
FERGUSON A: 1076
FERLAZZO A: 1077
FERNANDES CT: 1076
FERNANDEZ DE LIS S: 3616
FERNANDEZ FLORES W: 3616
FERNANDEZ AR: 375
FERNANDEZ BE: 3869
FERNER U: 757
FERRAND B: 3439
FERREIRA: 1251
FERRENDELLI JA: 1079
FERRIS JA: 1080
FERRISS JB: 3094
FERRUCCI JT JR: 3068
FERY M: 61
FESUS L: 2603
FETTIG O: 1624
FEY G: 1081
FIALA J: 1082
FIALKOW PJ: 1310
FIBIGER HC: 2892
FICA V: 2806
FIDLER WJ: 628
FIELD EJ: 554, 569
FIELD RA: 57
FIELDS M: 2944
FIEVEZ C: 1670
FIEVEZ M: 1670
FILER LJ JR: 1083
FILNER P: 3167
FILSHIE GM: 1844-1845
FINCH A: 1084
FINCKH ES: 1085
FINCO DR: 769
FINDLAY JD: 527
FINDLAY JK: 578-579, 784, 1086, 1775, 2639
FINE G: 1087
FINE J: 762
FINEBERG SE: 2446
FINK CW: 586
FINKE RI: 794
FINKELSTEIN P: 3763
FINSTERBUSCH A: 1806
FINSTERBUSH A: 1088
FINSTERER H: 1805
FIORENTINO M: 1089
FIREK A: 2920
FIRST NL: 671, 798, 963, 1200
FISCHBACH K: 3422
FISCHER A: 255
FISCHER G: 3854
FISCHER H: 2219
FISCHER JJ: 2981
FISCHER MG: 1090
FISCHER RP: 3090
FISCHER V: 1091
FISHBURNE JI JR: 416, 442, 2575
FISHER AW: 447
FISHER DA: 1092-1093
FISHER DL: 1094
FISHER ER: 3049
FISZBACH K: 1967
FITZ A: 2788
FITZPATRICK RJ: 2811
FITZSIMONS JT: 1095
FIXA B: 1096
FIZAZI T: 1272
FLACKE W: 1097
FLAMAND JP: 3842
FLAMENBAUM W: 1098
FLANIGAN WJ: 333
FLAUDER M: 1099
FLAWIA MM: 1100
FLECKENSTEIN A: 1956
FLEISCH H: 384
FLEISCHER CJ: 1101
FLETCH SM: 1102
FLETCHER HS: 1103
FLEXNER JM: 1104
FLICK K: 489
FLICKINGER G: 370
FLICKINGER RA: 1105
FLIEGNER JR: 1106
FLOCH HH: 297
FLOCH MH: 932
FLOREA I: 1107
FLORENSA E: 4109
FLORES F: 3165
FLUCKIGER E: 1108
FOGH J: 1109
FOGLIA VG: 3062
FOLEY C: 1124
FOLKERS K: 413, 769, 1764
FOLLETT BK: 3256
FOMON SJ: 1083
FONTANA S: 3211
FOOTE RH: 51, 3530
FORBES AD: 732, 1917
FORBES GB: 476
FORBES KK: 4013
FORBES TR: 1110
FORCONI S: 1111
FOREMNY Z: 1619
FORMOSO C: 1112
FORREST JN JR: 1113-1114
FORSHAM PH: 606-607, 1031
FORSS M: 1
FORSYTH IA: 302, 1115
FORSYTH RP: 1598
FORTEZA ME: 1116
FORTIN Z: 3859
FOSS GL: 1117
FOUCHET C: 2792
FOUILLOUX C: 3237
FOUQUET JP: 1116

FOURNIER A: 388, 1099, 1119, 1388
FOURNIER P: 1099, 1119
FOURRIER P: 1120
FOUTZ A: 2985
FOWLER PB: 1121
FOY BN: 681
FOZZARD HA: 1122-1123
FRABLE WJ: 1124
FRANCE R: 1125
FRANCESCHI C: 895
FRANCHIMONT P: 938, 3439
FRANCOIS C: 889
FRANDSEN VA: 1152
FRANGIONE B: 2441
FRANK H: 1429
FRANK MJ: 1128
FRANK N: 1126
FRANK RN: 1127
FRANK-PISKORSKA A: 191
FRANKE R: 1128
FRANKEL VH: 504
FRANKLIN C: 2055
FRANKLIN EC: 2441
FRANKLIN S: 1888
FRANKS DJ: 4001
FRANKS RC: 1129
FRANSSILA K: 2870
FRANTZ AG: 1130
FRANZBLAU C: 3685
FRASER C: 1131
FRASER IS: 1132
FRASER R: 3, 3094, 3962
FRASER TR: 3791
FRAUENDORFER H: 3908
FRAYHA R: 1133
FRAZER A: 3004
FRAZIER HS: 1134
FREARSON S: 674
FREDEN H: 2707
FREDHOLM B: 3598
FREDRICSSON B: 1135
FREEDMAN HL: 3312
FREEDMAN LR: 1528
FREEDMAN RB: 358
FREEDMAN SO: 3433
FREEMAN AG: 1136
FREEMAN C: 23
FREEMAN HC: 1137, 1680
FREEMAN L: 2244
FREEMAN RK: 1294
FREHN JL: 1138
FREI E 3D: 1139-1140, 2245
FREIJANES J: 321
FREINKEL N: 2819, 4006
FRENKEL G: 824
FREUD W: 2751
FREY HH: 1331
FRICK A: 1141
FRIDBERG DI: 1142
FRIDMANN J: 2957
FRIEDENSTEIN AJ: 1143
FRIEDLAENDER K: 1144
FRIEDLANDER A: 3957
FRIEDLANDER DH: 1145
FRIEDMAN EA: 1148
FRIEDMAN H: 1147
FRIEDMAN JA: 3599
FRIEDMAN L: 2665
FRIEDMAN S: 807
FRIEDRICH B: 1074
FRIEDRICH U: 2678-2679
FRIEHS G: 43
FRIEND DM: 3266
FRIEND J: 3286
FRIESEN H: 1208, 2819
FRIESEN HG: 824, 1567, 1880
FRIGERIO A: 1322
FRISCHAT A: 348
FRISCHAUF H: 3916
FRISEN L: 1148
FRIZZELL RA: 1149
FROEHLICH JE: 1150
FROHLICH D: 4140
FROHLICH H: 1151
FROHNERT PP: 4058
FROLAND A: 1152
FROLIK CA: 1153
FROMAN C: 1154
FROMER JL: 1155
FROMMER U: 1156
FROSTELL G: 1157
FRUHLING J: 2859
FRYDECKA I: 360
FRYKLUND L: 1158
FU ST: 1159
FUDENBERG HH: 2333
FUENTE P DE LA: 1160
FUJII S: 1161
FUJIKAKE M: 2758
FUJIMORI T: 1162
FUJIMOTO GI: 837
FUJIMOTO K: 1163
FUJIMOTO Y: 40
FUJIMURA S: 2746
FUJINO M: 1164
FUJISHIMA M: 36
FUJITA H: 2728
FUJITA T: 2732
FUJIWARA M: 1714
FUKUCHI S: 1185-1187
FUKUDA T: 1164
FUKUI S: 1168, 2760
FUKUSHIMA K: 1189
FUKUWATARI Y: 2616
FULFORD KW: 1170
FULLER LM: 1171, 1199, 3715
FULLER RW: 1172-1173, 4052
FULLMER HM: 3095
FUNDER JW: 1174-1176, 3158
FUNK D: 463
FUNK FJ JR: 1177
FUNK K: 831
FUNYU T: 1178-1179
FURBETTA M: 545
FURCHGOTT RF: 3561
FURKA I: 2522
FURMAN GA: 3220
FURMANIUK J: 490
FURNEMONT E: 1180
FURNIVAL BE: 183, 3594
FURR BJ: 1181-1182, 2762
FURTH J: 1183, 1713
FURTH R VAN: 3730
FURUHATA A: 1867
FURUKAWA M: 3662
FURUKAWA Y: 2503
FURUTA A: 1184
FURUYAMA T: 1167
FUXE K: 735
FYLLING P: 1185-1186

G

GAAL K: 1187
GAAL M: 2094
GABE M: 1188-1189
GABRILOVE JL: 2675, 4008
GABULYA J: 2068
GADDIE J: 1190
GADDY RG: 2074
GAEDE JT: 422
GAHAN PB: 2314
GAILLARD D: 1191
GAIND B: 1192
GAINES JL: 503
GAITAN E: 1193
GAJDOS P: 1335
GALAMBOS JT: 1194
GALAZKA A: 817
GALE CC: 3758
GALINDO F: 3458
GALL SA: 2130, 3523
GALLAGER S: 3996
GALLAGHER B: 1114
GALLAY J: 1244
GALLE P: 1195
GALLET J: 1342
GALLETTI F: 1043, 1196
GALLI F: 1197
GALLISSIAN A: 1198
GALLOP PM: 3685
GALMARINI M: 4090
GALTON DA: 3162
GALTON DJ: 1262, 4022
GALVAN G: 2936
GALVIN GM: 3072
GAMBLE JF: 1171, 1199
GAMBOA ET: 2505
GANDAR R: 3061
GANEA E: 898
GANESH K: 1587
GANROT PO: 3563
GANS M: 3724
GANT DW: 953
GANZONI AM: 3874
GARBERS DL: 1200
GARBUZOVA LM: 919
GARCIA CR: 3927
GARCIA J: 2285
GARCIA JD: 4088
GARCIA MC: 2907
GARCIA REVALDERIA ML: 2439
GARDI R: 1043, 1196
GARDINER J: 3332
GARDIOL D: 1747
GARDNER LI: 2606
GARDNER WU: 378
GARDO S: 1201, 2812
GARG BD: 1202, 3788
GARGOT F: 1272
GARLAND MR: 3734
GARLICK NL: 3446
GARLOV PE: 2941
GARMASHEVA NL: 1203
GARN W: 1204
GARNIER D: 346
GARTMAN LJ: 3772
GASC JM: 1205
GASDE K: 3318
GASPARIAN EG: 1206
GATEHOUSE PW: 1207
GATES RB: 1208
GATES RJ: 1209
GATSIOS DM: 1989
GATTEREAU A: 250
GAUDEFROY M: 1210
GAUGUIN J: 1211
GAUNT R: 2428
GAUTHIER J: 2234
GAUTHIER-LAFAYE J: 1212
GAUTHIER-LAFAYE JP: 1212
GAUTRAY JP: 590
GAVARET JM: 1213
GAVAZZI G: 3558
GAVIN JR 3D: 98, 1214
GAVRILA I: 2917
GAWADI N: 1215
GAWIENOWSKI AM: 2927
GAYLOR JL: 1216
GAZHALA EM: 4119
GAZZANIGA AB: 1217
GEBBE SG: 1218
GEBBER GL: 1219
GEBHARDT M: 2576
GEDDES BA: 1220
GEDDES JJ: 3953
GEENEN JE: 1768
GEHAN EA: 2245
GEHRING D: 1221
GELBKE HP: 1222
GELDIASHVILI TZ: 2362
GELEHRTER TD: 1223, 3089
GELINET M: 1195
GELLER LI: 1224
GELLER W: 2795
GEMBICKI M: 2581
GEMERT M VAN: 2568
GENAZZANI AR: 1225
GENEFKE IK: 1226
GENEJA M: 1260
GENES SG: 1227
GENEST J: 780, 3115
GENKOVA P: 1228, 1959
GENNSER G: 1229
GENSCHER U: 3707
GENTRY RP: 2648
GEORGE C: 2396
GEORGE R: 2944
GEORGE WJ: 1230
GEORGIADES E: 3052
GERARD P: 1231
GERARD-MARCHANT R: 3697
GERBER C: 1879
GERBER GB: 1232
GERDES H: 2205
GEREBTZOFF MA: 1233
GERGELY J: 1348, 2036
GERGELY P: 1066
GERICKE D: 597
GERMA S: 746

AUTHOR INDEX

GERMAN AL: 1234
GERMAN DC: 1235
GERMANOV VA: 1236
GERRARD AM: 1766
GERRITS RJ: 2001
GERSCHENFELD HM: 1237
GERSHBERG H: 1238
GERSHON B: 1970
GERSHON MD: 1239
GERSKOWITCH VP: 1076
GERTZ TC: 323
GERULATH AH: 1240
GESCHWIND II: 1241, 2599
GESELL MS: 1242
GEVERS RH: 1058
GEYER RP: 2137
GEYNET C: 1243
GEYNET P: 1244
GEYSSANT A: 3679
GHANI F: 3017
GHARIB C: 2155
GHARIB H: 1245
GHATAK N: 1246
GHINEA E: 2661
GHISOLFI J: 3119
GHOSH A: 2326
GHOSH PC: 1247
GHRAF R: 1246
GIANNI E: 1249
GIANNOPOULOS G: 1250
GIAO JM: 1251
GIBB W: 1252-1254
GIBBARD S: 3299
GIBBONS WR: 1123
GIBBS HC: 349
GIBBS J: 1255, 2290
GIBORI G: 1256
GIBSON JB: 645, 1257
GIBSON JY: 1258
GIBSON WR: 1966
GIEBINK GS: 1259
GIERMANSKA T: 1260
GIESECKE AH JR: 264
GIESEN H: 1261
GILBERT A: 582
GILBERT C: 1262
GILBOA I: 1263
GILBY ED: 1746
GILL DG: 1264
GILL JC: 1131
GILL JR JR: 1265
GILLAN DJ: 4001
GILLENWATER JY: 3855
GILLESSEN D: 3558
GILLET J: 2065
GILLETT PG: 1266
GILLETTE JR: 1466
GILLETTE PC: 1016
GILLIES CG: 1301
GILLILAND PF: 3020
GILMER K: 2962
GILMORE DP: 1267
GIMENEZ-ROLDAN S: 1029
GIMES R: 3770
GIMLETTE TM: 1634-1635
GINER J: 361
GINESTIE JF: 1268
GINSBURGER-VOGEL T: 1269
GINTHER OJ: 2907
GIPSON EC: 1416
GIRARD-GLOBA A: 1270
GIRARDIE A: 2662
GIRARDIE J: 1196
GIRAUD F: 1271
GIRAUD JR: 1272
GIRGIS M: 1238, 2162
GIRKE W: 4011
GIROTTI F: 3525
GIROUD A: 1273
GIRSH SS: 2199
GIRY J: 1274
GISSLEN H: 1568
GITLIN D: 1275
GIUDICELLI Y: 1276
GIUNTA C: 1277
GJEMDAL T: 3740
GLANZMANN C: 431, 1276
GLAROS D: 369
GLASER O: 2665
GLASS RL: 1279
GLASSEN G: 1110
GLASSER M: 4049
GLATZEL W: 1280
GLEBOVICH OV: 1281
GLEESON AR: 1282, 1531, 3067
GLEICHMANN E: 1283
GLEICHMANN H: 1283
GLENC F: 1264-1265
GLICK B: 1286
GLICK SM: 2016
GLIDEWELL OJ: 2697
GLIMCHER MJ: 1038
GLINSKI S: 1267-1288
GLINSMANN WH: 4142
GLOTOVA AV: 3653
GLOWINSKI J: 1573, 3723
GLUCK L: 1289
GNIOT-SZULZYCKA J: 1290
GO VL: 3459
GODDEN U: 1619
GODEAU P: 2115
GODEFROY F: 1291
GODFREY TE: 1292
GODING JR: 351, 576-579, 591, 764, 766, 1070, 1086, 1775, 2639
GODLEY WC: 2074
GOEBELSMANN U: 1293-1294
GOERTCHEN R: 1295
GOERZ G: 1296
GOETZ P: 1297
GOETZL U: 1353
GOGAN F: 1298
GOGGINS JF: 3351
GOHLKE R: 1299, 3262
GOIHMAN M: 715
GOLD E: 1886
GOLD P: 3433
GOLD Z: 3263
GOLDA W: 3421
GOLDBERG HI: 3959
GOLDBERG L: 1238
GOLDBERG M: 1300
GOLDBERG V: 3461
GOLDBLATT H: 1416
GOLDBLATT PJ: 1301
GOLDE DW: 3442
GOLDEN HD: 602
GOLDEN R: 767
GOLDENBERG IS: 1302
GOLDENBERG RL: 1303
GOLDFIELD EB: 1031
GOLDMAN AS: 964, 1304-1305
GOLDMAN JK: 293
GOLDMAN M: 1306-1307
GOLDNER F: 1308
GOLDSMITH IJ: 3676
GOLDSMITH RS: 933, 3303
GOLDSTEIN AI: 1309
GOLDSTEIN DP: 1984
GOLDSTEIN JL: 1310
GOLDSTEIN M: 1760, 3842
GOLDSTON RT: 769
GOLDZIEHER JW: 135, 2032, 2352
GOLINGER RC: 1311
GOLLNICK PD: 106
GOLOVATSKAIA GI: 3654
GOLUBEVA IV: 1312
GOLUTVINA MM: 1313
GOMEL V: 1314
GOMES D'OLIVEIRA JJ: 2803
GOMEZ E: 3145
GOMEZ-ARZAPALO E: 381
GOMEZ BOSQUE P: 2825
GOMEZ-SANCHEZ C: 1315
GOMORI P: 1316
GOMOT L: 2355
GONA AG: 1317
GONA O: 1317
GONCHAROV NP: 3896
GONCHAROVA VN: 3547
GONTICAS SC: 46
GONZALES AR: 615
GONZALES MF: 737
GONZALEZ A: 653, 1160
GONZALEZ E: 982
GONZALEZ-BATRES C: 1160
GOOD AL: 1441
GOOD RA: 1536
GOODMAN DB: 3013
GOODMAN HO: 2858
GOODNER CJ: 3758
GOODRICH RD: 2272
GOODRIDGE AG: 1316
GOODWIN TJ: 1319
GOOLAMALI SK: 3407
GOOLDEN AW: 395
GOOS HJ: 3256
GOPALAKRISHNAN TV: 1320
GORDAN GS: 1474
GORDEN P: 96, 1214
GORDES W: 1321
GORDON AE: 1322
GORDON EE: 2162
GORDON GG: 4049
GORDON HL: 1323
GORDON J: 3045
GORDON JW: 523
GORDON R: 1621
GORE BZ: 1324
GORE M: 395
GORECKI R: 1325
GOREE JA: 2650
GOREN EN: 1326
GORIDIS C: 1327-1326
GORIN N: 60
GORINS A: 1329
GORLICH L: 3912
GORLIN RJ: 1330
GORLITZ BD: 1331
GORMAN CA: 3584
GORNALL AG: 671
GOROWSKI T: 1505
GORSKI RA: 3147, 3692
GORZALKA BB: 3993
GOSBEE JL: 447
GOSPODAROWICZ D: 1332
GOTH E: 1333, 1603
GOTLIN RW: 1259, 2279
GOTO A: 2750
GOTTESMAN ME: 2633
GOTTO AM: 1727
GOUGH HM: 1334
GOUIN PR: 2939
GOULD S: 94
GOULON M: 1335
GOUNELLE JC: 487
GOURMELEN M: 2853
GOVAERTS A: 656
GOY RW: 1336
GOYAL HO: 1337
GOYAL RK: 1338
GRABER EA: 193
GRABSKI J: 1339
GRACIA R: 727
GRADOWSKA L: 2769
GRAESSLIN D: 425
GRAF GC: 1340
GRAFF G: 616
GRAHAM CE: 1341
GRAHAM CW 3D: 2930
GRAHAM JB: 451, 3979
GRANATIR RG: 2871
GRAND A: 1342
GRANGER HJ: 703
GRANNIS GF: 934
GRANT G: 1343, 3834
GRANT IW: 1344
GRANT JK: 2490
GRANTHAM FH: 1400
GRASES PJ: 1345
GRASSO A: 1346
GRAUEL L: 4121
GRAVLEE JF: 567
GRAY CH: 987
GRAY CW: 4152
GRAY HW: 1347
GRAY JG: 648
GRAY RR: 4063
GREABSTALD H: 2358
GREASER ML: 1348
GREAVES MW: 1349-1350, 4079-4080
GREBENNIKOV VA: 1351
GRECHESHKIN LL: 1352
GRECO F DEL: 2159
GREEFF MJ: 3946
GREEN DL: 1489
GREEN FA: 1527
GREEN R: 1353-1354
GREENBERG I: 3944
GREENBERG PB: 2383

GREENBERG RE: 397
GREENBERG RS: 1355
GREENBERG S: 1358
GREENE R: 3873
GREENF1ELD MA: 759, 4080
GREENGARD O: 2283-2284
GREENGARD P: 2264
GREENH1LL JP: 1357
GREENOUGH WB 3D: 2170
GREENWALD G: 466
GREENWALD GS: 810
GREENWOOD MR: 1358
GREENWOOD RB: 477
GREEP RO: 882-863, 1218, 1359, 2276-2277, 2330
GREER DO: 2847
GREGG 1: 217
GREGO1RE AT: 1360
GREGOROVA I: 3441
GREGORY JF: 3482
GREGORY T: 2608
GRE1G WR: 1347, 1381
GREKIN RJ: 2428
GRELL RF: 1382
GRELL1ER P: 138
GRENIER J: 3300, 3899
GREPL J: 1383
GRES1K EW: 1364
GREY V: 1020
GRIEBEN A: 3913
GRIECO MH: 1385
GRIERSON D: 406
GRIFFIN CJ: 1494
GR1FF1TH D: 2641
GRIFFITHS EC: 1366-1367
GRIFFITHS HJ: 4146
GRIFFITHS K: 3150
GRIFFITHS WA: 1368
GRIMELIUS L: 1389
GRIMM W: 1370, 2367
GRIMM Y: 3045
GR1NDLE M: 1371
GR1NER PF: 3405
GR1SHKO AIA: 3462
GROBECKER H: 2132
GRODIN JM: 434, 1372
GRODSKY GM: 808
GROEN LH TE: 1373
GROMOVA EG: 2434
GRONDAHL HG: 1374
GROS F: 1375
GROS S: 572
GROSBU1S S: 1335
GROSMAN N: 1376
GROSS F: 1419
GROSS GG: 1377
GROSS HA: 1378
GROSS J: 3764
GROSS RE: 1217
GROSSARTH C: 3948
GROSSE FR: 2719
GROSSE KP: 1379
GROSSGEBAUER K: 3526
GROSSMAN SP: 1380
GROTE G: 1649, 3910
GRUENER R: 3567
GRUEVA D: 172-173
GRUMBACH MM: 1878, 3880
GRUN E: 1412
GRUN VS: 1412
GRUNDMANN R: 1381
GRUNER J: 2898, 2900
GRUNES JU: 1280
GRUNNET ML: 1382
GRUNTENKO EV: 1383
GRUSKIN AB: 1384
GRUSZKA S: 617
GRUVSTAD M: 1040
GSCHWANDTNER WR: 1385
GSCHWENDTOVA K: 2081
GUAL C: 1386, 1852
GUDER W: 1387
GUEDON J: 1388
GUENTER CA: 2911
GUERMONPREZ JL: 3105
GUEROULT N: 1030
GUERRA MO: 1389
GUERRI G: 2215
GUERRIER Y: 1390
GUERRINI M: 1111
GUETSKAIA DS: 3466
GUGGENHEIM K: 1970
GUGL1ELM1 H: 3972
GU1BBERT D: 1391
GU1CHARD A: 1392
GU1DOTTI A: 1393
GU1LLEMIN R: 1394, 3834
GU1LLEM1NAULT C: 1395-1396
GUIMARAES AA: 2957
GUIMARAES CS: 1389
GUINTO E: 309
CU1S1N1ER-GLEIZES P: 1397
GULAMHUSE1N AP: 1398
GULAT1 RB: 2604
GULENKO NM: 1399
GULL1NO PM: 1400-1401
GUNAGA KP: 3008
GUNBERG DL: 750
GUNTHER E: 1402
GUNTHER H: 893
GUNTHER R: 2465
GUPTA C: 1403
GUPTA D: 1404
GUPTA KP: 1067
GUPTA PP: 1405
GUPTA SP: 1406
GURAYA SS: 1407-1408
GUR1N VN: 1409-1410
GURST JE: 1411
GURTLER H: 1412
GUSEL' VA: 1413
GUSEV GP: 2646
GUSS SB: 2849
GUSTAFSSON B: 967
GUSTAFSSON JA: 983-984, 1305
GUSTAFSSON SA: 1305
GUSTAFSSON T: 2182
GUTKNECHT GD: 1917
GUTMAN A: 26
GUY R: 2233
GUYDA H: 1414
GUYTON AC: 703, 2267
GUYTON RA: 1415
GYANG EA: 1416
GYNNING I: 3631

H

HAACK D: 2516
HAAS DC: 1417
HAAS E: 1418
HAAS L: 1497
HABIF DV: 3781
HABU S: 4077
HACHIYA T: 3395
HACKENG WH: 328
HACKENTHAL E: 1419
HACKL H: 1420
HACKMAN R: 2195
HADDAD JG: 133
HADDEN DR: 1421
HADDEN JW: 1422
HADINATA J: 673
HADJIAN A: 3897
HADJIAN AJ: 590, 1423
HADJIOLOFF AI: 1424
HAEBERLE WA: 695
HAERTZEN CA: 2384
HAETTINGER JR: 706
HAFEZ ES: 1425
HAFFEN K: 1392
HAFS HD: 3491, 3988-3989
HAGE E: 1426-1427
HAGENFELDT K: 1428, 3101
HAGENMAIER H: 1429
HAGER-MALECKA B: 1430
HAGHFELT T: 651
HAG1NS WA: 1431
HAGIWARA T: 4081
HAGUENBAUER JP: 1432
HAHN BH: 3546
HAHN GM: 592
HAHN N: 1433
HAHN P: 1910
HAHN TJ: 1434
HAHNEL R: 1435
HAIGLER HJ: 29
HAIM S: 1436
HAINES M: 1626
HAINES ME: 2805
HAIST RE: 3622
HAITES-KINGSBURY N: 1437
HAJDU SI: 1438, 4016
HAJER1 H: 1439, 1827
HAJNZIC TF: 2718
HAKANSON R: 1440
EL-HALAWANI ME: 1441
HALE HB: 1442
HALE M: 1308
HALE MT: 1443
HALE RW: 2914
HALES CN: 3411, 3594
HALGRIMSON CG: 2864, 2949
HALL AJ: 3097
HALL CE: 1444
HALL EM: 385
HALL ES: 755
HALL EV VAN: 1629
HALL FF: 3020
HALL GA: 1445-1446
HALL JH 3D: 1447
HALL JI: 1783
HALL JP: 1663
HALL L: 567
HALL NA: 2387
HALL O: 1444
HALL PF: 3383
HALL RC: 1448
HALL RG: 3703
HALLBERG MC: 4005
HALLENBECK GA: 1449
HALLER J: 1433
HALSTED JA: 1450
HALVER B: 1451
HAMADA S: 2547
HAMADAH K: 1452
HAMAMOTO ST: 2921
HAMANAKA N: 3803
HAMANAKA Y: 1453
HAMBERGER B: 735
HAMBERGER L: 1454
HAMBURG DA: 2251
HAMEISTER W: 3913
HAMER DH: 621
HAMILTON C: 3004
HAMILTON CL: 1455
HAMILTON CR JR: 1456
HAMILTON DW: 1599
HAMILTON EI: 1457
HAMILTON 1R: 3520
HAMILTON JB: 1364
HAMILTON LW: 3965-3966
HAMILTON-MILLER JM: 1458
HAMMERSTE1N J: 1459
HAMMOND CB: 1460-1461
HAMMOND J: 356
HAMMOND R: 1462
HAMON CB: 1463
HAMPEL P: 1464
HAMPTON JK JR: 2966
HAMPTON SH: 1465, 2966
HAMRICK ME: 1466
HAMWOOD SM: 3053-3054
HAN PW: 1467
HAN T: 1468
HANCOCK KW: 1469
HANDLEMAN SR: 3230
HANDLER JS: 1470
HANEBERG B: 2719
HANEKE E: 1471
HANISSIAN AS: 1472
HANIU M: 3680
HANKINS WG: 2285
HANNI S: 3901
HANOUNE J: 2897
HANSEN AP: 1473
HANSEN JL: 2236
HANSEN JM: 3423
HANSEN JW: 1474
HANSEN L: 4003
HANSEN LG: 1422
HANSEN S: 756
HANSON FW: 1475
HANSON K: 289
HANSSON V: 1476-1477
HANTZSCHEL H: 2786
HAQUE N: 1478
HARA M: 1479-1480
HARA S: 2488
HARADA S: 1481, 2523
HARAGUS S: 2338

AUTHOR INDEX

HARANO Y: 1462
HARBERG FJ: 1913
HARCOURT AG: 1721
HARDISTY RM: 1483, 3746
HARDONK MJ: 1484, 3498
HARDY J: 1414
HAREL A: 2100
HAREL P: 2234
HARELL A: 94
HARINGTON C: 1485, 2663
HARISCH G: 1486
HARLAN JR: 2076
HARLAND WA: 1011-1012
HARLEY JB: 1904
HARMS RH: 959, 3116, 3160
HARNIK M: 2108
HARNISCH H: 1487
HARP RA: 2904
HARPER AE: 2560
HARPER MJ: 3210
HARPER PV: 2095
HARPER RC: 2975
HARRI MN: 1488
HARRINGTON KD: 1489
HARRIS AW: 1490
HARRIS EA: 904
HARRIS JE: 1491
HARRIS JW: 1492
HARRIS PG: 1493
HARRIS R: 1494-1495
HARRIS RC: 1496
HARRIS RJ: 1497
HARRISON EG JR: 3294
HARRISON FA: 1498
HARRISON JH: 263
HARRISON MH: 1499
HARRISON RM: 1500
HARRISON SG: 1501
HARS E: 1502
HARSANYI L: 1991
HART MM: 1503
HART WM: 1677
HARTER DH: 2505
HARTLEY WJ: 1504
HARTMAN GC: 1452
HARTMANN HA: 2719
HARTMANN WH: 551
HARTREE AS: 3594
HARTUNG W: 3241
HARTWIG W: 1505
HARUMIYA K: 1506
HARUNA M: 1697
HARUNG M: 1271
HARVEY J: 206
HARVEY JW: 2887
HARWELL JF JR: 2983
HASCHEMEYER AE: 2399
HASCHER J: 3775
HASEGAWA H: 1507
HASHIBA N: 2634
HASHIDA J: 1508
HASHIMOTO K: 466
HASHIMOTO T: 2037
HASLBECK M: 1509
HASPELS AA: 1510
HASSELBACK R: 281
HASSLER R: 1511
HATA T: 1512
HATANAKA H: 3389
HATANO M: 4075
HATOTANI N: 1513
HATTA Y: 2555
HAUG M: 1514
HAUGER-KLEVENE JH: 1515
HAUPT O: 1222
HAUSER ER: 1010
HAUSSLER MR: 1516
HAVELEC L: 3906
HAVELKA J: 3112
HAVIVI E: 1517
HAWK HE: 4111
HAWK WA: 2493
HAWK WA JR: 764
HAWKER RW: 2344
HAWKINS D: 3435
HAWKINS RA: 1516
HAWKINS RI: 1519
HAWLEY WD: 1651
HAWTREY AO: 3329
HAY CE: 1905
HAY JB: 1596
HAYAKAWA K: 3803
HAYANO T: 4076
HAYASHI K: 1520
HAYASHI M: 1521
HAYASHI S: 1522
HAYDL H: 3916
HAYDUK K: 1523
HAYEK A: 1524
HAYES MF JR: 3139
HAYMAN WP: 1053
HAYNES NB: 1525, 2990
HAYNIE J: 1341
HAYREH SS: 1526
HAYRY P: 2827
HAYS MT: 1527
HAYSLETT JP: 1526
HAZARD J: 1195
HEAP RB: 1498
HEAP TR: 2915
HEARD TW: 1529
HEARN JP: 1530
HEARNSHAW H: 1086, 1531
HEARNSHAW HR: 3067
HEATHER JB: 3429
HEATON FW: 48
HEBER KR: 1532
HEBREARD J: 687
HECHTMAN P: 3501
HECKER JF: 3596, 4043
HEDAYATI H: 3051
HEDENSTAM R: 1488
HEDINGER C: 2662
HEDLEY AJ: 2829
HEDNER P: 77
HEDQVIST P: 2398
HEDSTRAND H: 1533
HEESE K: 1534
HEGSTAD PM: 2033
HEIKKILA RE: 1535
HEILMEYER MG JR: 1752
HEIM LR: 1536
HEIMANSOHN H: 1537
HEIMRATH SL: 3937
HEIN F: 1641
HEINIGER HJ: 621
HEINRICH G: 3162
HEINRICHS WL: 3652
HEINZE HG: 2898
HEIP J: 3116
HEIPLE KG: 504
HEISEY SR: 3941
HEISS F: 1538
HEISSEN E: 1539
HEISSMEYER H: 1345
HEITE HJ: 1540
HEITZ P: 2472
HEITZMAN RJ: 1541
HELBERT J: 2580
HELD BL: 1542
HELD KR: 660
HELENE C: 696
HELGESEN A: 3740
HELLEMA M: 2828
HELLENBRECHT D: 2132
HELLER A: 1605
HELLER CG: 2082
HELLER H: 690, 1543
HELLINGA G: 1544
HELLMAN IL: 289
HELLMAN L: 416, 1634
HELM UK: 697
HELMAN EZ: 1545
HELTIANU C: 2654
HEMAVATHI R: 2016
HEMPEL E: 374
HENDRICKS CH: 442, 1546-1547, 2575
HENDRICKS S: 2906
HENDRICKX AG: 3538
HENDRY JH: 1548
HENIG E: 2912
HENINGER RW: 4027
HENNAM JF: 1549
HENNEMANN HH: 1550
HENNEY CS: 1551, 2170
HENNIG K: 1552
HENRIKSEN S: 3452
HENSLEY GT: 1768
HENZL MR: 1553
HEPP KD: 1554
HERAUT L: 3728
HERBERT J: 1035, 1555
HERBLIN WF: 1556
HERDSON PB: 2159
HERITIER M: 1557
HERLING J: 2108
HERLITZ H: 1454
HERMAN RH: 2248
HERMANUTZ D: 252
HERMETET JC: 1558
HERMODSON MA: 1559
HERMODSSON I: 1560
HERNANDEZ L: 1561
HERNANDEZ O: 1562
HERRENKOHL LR: 1563
HERRMANN K: 1564
HERRMANN RM: 1564
HERRMANN WL: 1647
HERSH EM: 1323
HERSH T: 1565
HERSHMAN JM: 1566-1567
HERSLE K: 1568
HERTELENDY F: 1569
HERTTING G: 2456
HERTZ RE: 2795
HERVE R: 1570
HERVEY GR: 1571
HERWIG KR: 1572
HERY F: 1573
HERY M: 1574
HERZ R: 1575
HERZBERG M: 2100
HESCH RD: 1655
HESS SM: 3955
HESSE J: 958
HESTON WE: 1576
HETHERINGTON CM: 1577
HETZEL WD: 1578
HEUCK F: 1579, 1607
HEYDEN S: 1580
HEYDENREICH G: 1581
HEYMANN MA: 3173
HEYS RF: 1582
HICKL EJ: 1583
HICKS R: 1584
HIKIDA RS: 3036
HIKITA K: 2549
HIKITA M: 2038
HILARIO EM: 3924
HILGARTH M: 1624
HILL CS JR: 1585-1586
HILL JR JR: 2074
HILL M: 1886
HILLEMANNS HG: 1624
HILLIARD J: 1686
HILLIER JC: 683
HILLIER K: 152, 1002
HIME JM: 3188
HINDE RA: 3552
HINDS EC: 1623
HINGORANI V: 1587
HINMAN JW: 1588
HINSHAW LB: 2911
HIOCO D: 556-557, 2494
HIOKI N: 1522
HIRAKAWA N: 2029
HIRANO H: 2760
HIRANO M: 88, 1589
HIRANO T: 1699
HIROSHI Y: 2571
HIRSCH C: 2407
HIRSCH F: 2584
HIRSCH W: 3527
HIRSCHMANN H: 870
HIRTHE D: 2576
HIRVONEN E: 1590
HISCOCK RR: 1591
HITCHCOCK E: 4085
HITCHCOCK GC: 904
HITIER Y: 1592
HITT JC: 1593
HJELT L: 2670
HLEBAROVA M: 3179
HO KJ: 1159
HO MW: 2719
HO T: 3926
HOA GH: 1594
HOBBINS JC: 71-73, 523
HOBSON BM: 1132
HOCHEREAU-DE REVIERS MT: 1595

HODGE RL: 661, 1448
HODGINS MB: 1596
HODSON ME: 217
HOFELDT FD: 607
HOFF HG: 1246, 1597
HOFFBRAND BI: 1596
HOFFER AP: 1599
HOFFER BJ: 1600, 3426
HOFFER JL: 2575
HOFFER PB: 2686, 3009
HOFFKEN K: 1601
HOFFMAN C: 101
HOFFMAN DC: 1602
HOFFMAN RA: 3057
HOFFMANN G: 1221, 1661, 2564
HOFFMANN JC: 1603
HOFFMANN K: 1604
HOFFMANN PC: 1605
HOFMANN N: 1606
HOGAN RP: 1966
HOHLING HJ: 1607
HOI-SEN Y: 1606
HOLBROOK MA: 644
HOLCOMB CM: 1724
HOLDEN MP: 1609
HOLLA SW: 2470
HOLLAND JF: 2697
HOLLANDER CF: 1610, 3497
HOLLANDER VP: 3573-3574
HOLLENDER LF: 2455
HOLLEY KE: 497
HOLLINGER MA: 1611
HOLLINGSWORTH DR: 1612
HOLLMAN EP: 2470
HOLLMEN A: 1613
HOLLO I: 377
HOLLOWAY FA: 1235
HOLM V: 2676-2679
HOLMBERG L: 1614
HOLMES AM ENOCH BA: 1615
HOLMES H: 1452
HOLMGREN A: 2396
HOLNESS DE: 1616
HOLST PA: 2691
HOLST PJ: 1617
HOLSTEIN P: 1616
HOLTERMULLER KH: 3459
HOLTORFF J: 1552
HOLZBAUER M: 1619
HOLZER S: 3141
HOLZMANN H: 1620, 2564
HOLZMANN K: 1621-1622
HOMMA M: 9
HOMOKI J: 3706
HOMOLA S: 2006
HOMSY CA: 1623
HOMSY E: 2516
HONIG CR: 1624
HONMA S: 2636
HONNEBIER WJ: 1625
HOOBLER SW: 3126
HOOGEVEEN-SCHROOT HC: 1667
HOOLEY JR: 1626
HOOPER KC: 1366-1367
HOPKINS E: 1648
HOPKINS R: 586
HOPKINSON C: 2611
HOPPE PC: 976, 1627
HOPPELER A: 1272
HOPWOOD ML: 2891
HOR G: 1626
HORBACH JG: 1629
HORBACH L: 454
HORI S: 4102
HORIGUTI S: 1630
HORIKIRI H: 1633
HORKY J: 339
HORL WH: 1752
HORN B: 3770
HORN K: 2696-2900, 3063
HORN RC JR: 1067
HORNEMANN B: 1631
HORNG JS: 4052
HORNING EC: 1234
HORNING MG: 1914
HORNUNG G: 1601
HORNYKIEWICZ O: 459
HORROBIN DF: 2211
HORSCH W: 1632
HORST W: 431, 1276
HORSTER FA: 4004
HORTON EW: 630, 1767
HORVATH F: 377
HORVATH SM: 2737
HORWITZ BA: 1633
HOSAIN F: 3638
HOSCHL R: 1634-1635
HOSKING CS: 952
HOSKINS DD: 1636
HOSODA S: 1637
HOSOKAWA T: 1638
HOSOYA N: 2554
HOSZOWSKI K: 191
HOTTA Y: 1639
HOUGH JE: 1640
HOUGIE C: 1641
HOURDRY J: 1642
HOUSLEY T: 3685
HOVATTA O: 1980
HOWANITZ J: 2568
HOWARD JE: 660
HOWARD JM: 6
HOWARD PY: 1051
HOWARTH JV: 2
HOWELL A: 468
HOWELL JM: 1445-1446
HOWELL SL: 1643-1644
HOWLETT CR: 1645
HRAPCHAK RJ: 1646
HRESHCHYSHYN MM: 1636
HRGOVCIC M: 3715
HROMADOVA M: 1647
HRUBAN Z: 1648
HRUBESCH M: 1649, 3025, 3899, 3910
HSIA SL: 3892
HSIUNG GD: 3709
HSU CC: 2675
HSU CY: 4110
HSU KC: 2505
HSU TC: 424
HSUEH HW: 1650
HUANG JC: 767
HUANG JJ: 2579
HUANG K: 1651
HUANG M: 3388
HUAULT G: 3205
HUBBE P: 1652
HUBBERT WT: 1653
HUBER H: 2465
HUBERT IL: 3528
HUBERT M: 608
HUBERTUS H: 1550
HUDSON LD: 2405
HUDSON RE: 1654
HUEBNER JA: 4048
HUENGES R: 1523
HUERNE C TER: 3587
HUFF K: 2288
HUFNER M: 1655
HUGHES FJ: 503
HUGHES KL: 1656
HUGHES MJ: 1657
HUGHES RN: 1658
HUGOE-MATTHEWS J: 2742
HUGOSON A: 1374
HUIZENGA CG: 2963
HULET CV: 1659
HULL R: 3888
HULL SF: 710
HUMBERT G: 1660
HUNT MI: 1209
HUNT WL: 1661
HUNTER RH: 1662-1663
HUNTER W: 1132
HUNTER WM: 163
HUNTINGTON KM: 1664
HUQUE H: 1665
HURK J VAN DEN: 2469-2470
HURLEY PJ: 2325
HURRY DJ: 1666
HURWITZ N: 616
HURWITZ S: 166
HUSAIN SM: 162
HUSBY G: 1667
HUSEBY RA: 1241
HUSMANN F: 1668
HUSSA RO: 1669
HUSTIN J: 1670
HUSTON N: 1671
HUTTENRAUCH R: 1672
HUTTON WE: 2457
HUVOS AG: 2356
HUXLEY M: 3686
HWANG F: 1611
HWANG ST: 3397
HYMAN AL: 4059
HYNIE S: 1673, 1929
HYNSON WV: 676

I

IACOB P: 3866
IALUMOVA D: 2401
IAMANDI I: 2806
IANAS O: 602
IANNIRUBERTO A: 1674
IARUKOV L: 1675
IBANEZ ML: 1586
IBAYASHI H: 3343
IBRAHIM E: 1199
IBRAHIM H: 1676
ICHIKAWA Y: 9
ICHIMARU K: 2555
IDA K: 2728
IDA T: 1667
IDE CH: 1677
IDE H: 1676
IDE M: 2630
IDELMAN S: 296, 1679
IDEMURA H: 2502
IDEMURA R: 2502
IDLER DR: 1137, 1680
IEIRI T: 4076
IEVLEVA EA: 3464
IFUJI H: 2768
IGARASHI T: 1681, 3384
IGNAT'EV AS: 1682
IGUCHI S: 1521
IGUCHI Y: 1521
IIDA F: 1683
IIDA H: 36, 2328
IIDA Y: 1684
IINO S: 1685-1686
IINUMA K: 1687-1688
IIZUKA R: 1689-1690
IKEDA T: 41
IKEKUBO K: 2547
IKKOS DG: 46
IKOMA M: 1704
IKRAM H: 1121
IL'IN IV: 1691
IL'INA OI: 1142, 1692
ILIUKHIN VI: 3604
ILLEI G: 2068
ILLES A: 377
ILLIANO G: 2020-2021
ILLINGWORTH DV: 589
IMAI K: 1693
IMAI S: 2764
IMAI T: 2732
IMAI Y: 1507
IMBUR DJ: 1694
IMPARATO E: 274, 4128
IMURA H: 1695-1696, 2627
INADA M: 1697-1698
INAGAKI K: 1699
INCHIOSA MA JR: 2143
INDACOCHEA-REDMOND N: 1700
INESI G: 1701
ING TS: 1994
INGBAR SH: 14, 143, 763, 2427, 3824
INGERMAN C: 3434
INNOCENTI S: 3832-3833
INOMATA H: 2591
INOUE G: 2686-2687
INOUE K: 1704-1705
INOUE T: 3655
INOUE Y: 1702
IOANITIU D: 2477
IONESCU MI: 1609
IONESCU N: 3555
IONESCU V: 1107
IPPEN H: 1703
IRIE M: 1704-1705
IRVIN JL: 581
IRVINE R: 1448
IRVINE WJ: 199, 522
IRVING M: 1706
ISAACSON RL: 1707
ISAKA S: 3383

ISHAY J: 50
ISHIDA Y: 3864
ISHIHARA T: 1708
ISHII H: 1709
ISHIKAWA T: 1997, 3815-3816
ISHINO T: 2728
ISHIZUKA I: 1710
ISKIERKO J: 642
ISLAND DP: 1125
ISMAIL AA: 199
ISMAN H: 2138
ITIABA K: 1711
ITIL TM: 1712
ITO A: 1713
ITO H: 4100
ITO K: 1481, 2523
ITO R: 223
ITO S: 1512
ITO Y: 2313
ITOKAWA Y: 1714
ITURRIZA FC: 1715
ITZE L: 3868
IUNDA IF: 1716
IURASOG G: 2917
IVANOV IUIA: 1717
IVANOV KP: 955, 3487
IVES DR: 827
IVY N: 3037
IWAI S: 2549
IWANOWSKI L: 191
IWASAKI Y: 4082
IYER SA: 3202
IZAKOVIC V: 1718
IZQUIERDO I: 1719
IZQUIERDO JA: 1720

J

JABARA AG: 1721
JABBOUR JT: 1472
JABLONSKA A: 1722
JABLONSKA S: 644
JACHMANN M: 1723
JACKSON BT: 3098
JACKSON CG JR: 1724
JACKSON D: 1725
JACKSON GL: 1726
JACKSON J: 2181
JACKSON M: 1724
JACKSON R: 1353
JACKSON RL: 1727
JACOBS L: 338, 4008
JACOBS MD: 1041
JACOBS PA: 1728
JACOBSEN BB: 1729, 3122
JACOBSEN K: 1818
JACOBSON HI: 1753
JACOBSON K: 1018
JACOBSON M: 2243
JACOBSON MA: 3238
JACOBSSON SO: 2257
JACOTOT B: 1737
JACQUIGNON P: 1730
JACQUOT R: 3824
JADOT G: 411
JAFFE BM: 1731
JAFFE ME: 3959
JAFFE N: 1155
JAFFE RB: 2845
JAFFER A: 4008
JAFFIOL C: 300
JAGER HARTOG WA DEN: 1732
JAGERHORN M: 1813
JAGIELLO G: 1733
JAIN KL: 3202
JAISLE F: 1734
JAKOB-DOLEZAL K: 3187
JAKOBSEN A: 3225
JALLATTE CS: 3515
JALLOT M: 1213
JALOWIEC JE: 1735
JAMES DW: 358
JAMES LF: 1504
JAMES TN: 1736
JAMES VH: 3, 79
JAN F: 1737
JANBON F: 300
JANCHEN M: 3282
JANECKA V: 1738
JANISCH H: 1739
JANKOWIAK ME: 2157
JANOWITZ HD: 3198
JANSONS VK: 1740
JANSSENS Y: 575
JANUSZEWICZ W: 1741
JAQUES R: 3175
JAQUET P: 3440
JARCEVA AM: 2218
JARED DW: 3928
JARNEROT G: 1742
JARPLID B: 1743
JARRARD LE: 1744
JARRETT WF: 2297
JARUDI NI: 1677
JARVINEN KA: 1745
JASINSKI DR: 2384
JASPART W: 1268
JAWORSKA H: 2182
JAWORSKI S: 1746
JAYET A: 1747
JEFFAY H: 3557
JEFFCOATE SL: 1748
JEFFERY J: 1252-1254, 3998
JEFFRIES CD: 1749
JELINEK R: 1750
JELJASZEWICZ J: 2054
JENKINS CS: 2802
JENKINS JS: 3550
JENKINS LC: 3918
JENKINS RB: 2901
JENKS TA: 781
JENKYN J: 2582
JENNINGS EC: 2078
JENNINGS GH: 1751
JENNISSEN HP: 1752
JENSEN EV: 1753
JENSEN GD: 1754
JENSEN KB: 2702
JENSEN RG: 524
JENSEN RL: 1083
JEQUIER E: 404
JEREB B: 1755-1758
JEREB M: 1758
JEWELEWICZ R: 544
JEWETT DA: 939
JIANG NS: 1757, 3584
JIN T: 2309
JINGA VV: 2572
JIVANI SK: 1758
JOB JC: 3068
JOEKES AM: 3780
JOFFRE J: 1759
JOH TH: 1780
JOHANNESSON T: 1781
JOHANNISSON E: 1428, 2828, 3101
JOHANSEN K: 2878
JOHANSSON BW: 1782
JOHANSSON ED: 987, 1783, 2715
JOHANSSON H: 1389
JOHANSSON KN: 413, 1784
JOHANSSON NG: 789
JOHANSSON R: 3234
JOHN L: 1985
JOHNS TR: 1793
JOHNSEN SG: 1152, 2680
JOHNSON AH: 3943
JOHNSON BC: 3242
JOHNSON CL: 1785
JOHNSON CM: 1914
JOHNSON DA: 4108
JOHNSON DE: 4057
JOHNSON DS: 1788-1787
JOHNSON EW JR: 873
JOHNSON GK: 1768
JOHNSON HD: 61, 4108
JOHNSON JA: 1789, 3194
JOHNSON PM: 535
JOHNSON RH: 1770
JOHNSON WA: 1771
JOHNSON WJ: 4058
JOHNSTON AD: 1883
JOHNSTON DH: 2185
JOHNSTON E: 838
JOHNSTON JO: 1489
JOLIE P: 1772
JOLIN T: 1773-1774
JOLY JB: 3205
JOLY P: 2882
JONAS HA: 1775
JONAS U: 3463
JONASSON LE: 1778
JONES BE: 2384
JONES BP: 3120
JONES BR: 957
JONES CW: 1777-1778
JONES DA: 530
JONES DH: 1779
JONES ER: 248, 1780
JONES FE: 1781
JONES GE: 1782
JONES GR: 1783
JONES HL: 1784
JONES HW JR: 4154
JONES JD: 2858
JONES ME: 1815
JONES MT: 1785
JONES RE: 1788
JONES RL: 1787
JONES WG: 380
JONG FH DE: 788
JONG JM DE: 1732
JONKERS A: 1484
JONSON G: 2257
JOO F: 1788
JOPLIN GF: 3427
JORDAN JJ: 4095
JORGENSEN FS: 1789
JORGENSEN HP: 3508
JORGENSEN JV: 1790
JORGENSEN PL: 1791
JORGENSEN V: 1792
JORON MH: 1335
JOSEPH BS: 1793
JOSEPH D: 1794
JOSEPH MH: 1941
JOSEPH SA: 1795
JOSEPH WL: 1103
JOSSO N: 1798
JOST A: 3132
JOURDAN J: 299-300
JOUSSET FX: 1797
JOUVET M: 353
JOVANOVIC S: 1798
JOVIC R: 887
JOWSEY J: 3450
JUBELIN J: 687
JUCHAU MR: 3640
JUCHMES J: 580
JUCHMES J: 1799
JUDD BH: 3362
JUDD HL: 1800
JUDIS J: 1801
JUDY PF: 4060
JUEL-JENSEN BE: 1802
JUGE A: 353
JULESZ M: 1333, 1803
JULIEN MF: 1213
JULIEN RM: 1864
JULLIARD R: 164
JUNAID TA: 1804
JUNG JM: 1877
JUNG K: 2175
JUNG Y: 815
JUNGBLUT PW: 1753, 3912
JUNGINGER T: 1805
JUREVICS HA: 581
JURIST JM: 2003
JUST H: 454
JUST HJ: 902
JUTISZ M: 1574

K

KABANOV IN: 1238
KACHANER J: 3205
KADAR AT: 501
KADEN G: 1540
KADEN R: 3528-3527
KADLIC T: 2332
KADOMA T: 41
KADOTA Y: 1453
KADOWITZ PJ: 1230
KAELBER WW: 3473
KAGAN N: 1806
KAHANE I: 1807
KAHN MF: 917
KAHN S: 1808
KAIJSER L: 3914
KAISER N: 1809
KAISER R: 1810-1811

KAISER W: 1812-1813
KAKATI S: 1814
KAKEHI H: 1815
KAKITA M: 1818
KAKIUCHI H: 1817
KALIMO H: 1818
KALINA Z: 1819
KALINS'KA LM: 2451
KALIVAS J: 1820
KALKWARF DR: 1821
KALLEN RJ: 1822
KALRA PS: 1823, 2928
KALTENBACH CC: 1047
KALTENBACH FJ: 1824
KAMATA M: 1825
KAMATA S: 1826, 4100
KAMDOM-MOYO J: 1827
KAMEGAYA K: 3224
KAMIRYO T: 1828
KAMIYA M: 1829
KAMRA OP: 3000
KAMVYSSI-DEA S: 1830
KANAAR P: 1831, 2940
KANAYAMA K: 2638
KANAZAWA K: 3668
KANAZAWA T: 1832
KANEKO K: 1833
KANG AH: 3764
KANG MJ: 823
KANGAS L: 1022
KANNO M: 2642
KAPEN S: 418, 1834
KAPKAEV RA: 1835
KAPLAN AL: 3599
KAPLAN EL: 3459
KAPLAN G: 4114
KAPLAN HG: 1838
KAPLAN HS: 4036
KAPLAN J: 1837
KAPLAN JC: 2897
KAPLAN M: 594
KAPLAN NM: 1315
KAPLAN SL: 1878, 3880
KAPLANSKI J: 1838
KAPLUNOVSKII AS: 1932
KAPPELGAARD AM: 2193
KAPUR BM: 15
KAR AB: 3350, 3449
KARAKASHEVA V: 3179
KARAM K: 2712
KARAM KS: 3896
KARAN A: 1839
KARASIEWICZ R: 3138
KARAVOLAS HJ: 1403
KARCZEWSKA Z: 3151
KARDASZEWICZ E: 1840
KARGER T: 1841-1842
KARIM M: 2318
KARIM SM: 1843-1846
KARLBERG BE: 1742
KARLI P: 3285
KARLSON P: 3717
KARLSSON BW: 553
KARLSSON E: 1158
KARP HR: 1447
KARP L: 1847
KARSCH FJ: 1848
KASAL JA: 248
KASAL P: 345
KASDAN R: 1849
KASEMSRI S: 1850
KASHGARIAN M: 1528
KASIVISWESWARAN R: 599
KASL SV: 419
KASPAROV AA: 3688
KASSIL' ZHG: 4119
KASTENSCHMIDT LL: 3333
KASTIN AJ: 1386, 1851-1852, 3259, 4130
KASUBUCHI Y: 1853
KATANA A: 1854
KATHPALIA SC: 2334
KATIC F: 1448
KATO K: 2734
KATO T: 1855
KATSIIA GV: 3898
KATSIKAS JL: 1021
KATSUKI H: 3389
KATTWINKEL J: 1856
KATZ AM: 1857, 1911
KATZ FH: 1259, 2248
KATZ J: 2993
KATZ S: 1858
KATZENELLENBOGEN BS: 1859
KATZENELLENBOGEN JA: 1859
KAUFFMAN HM: 816
KAUFMAN HE: 548, 1860
KAUFMAN JJ: 785, 1861, 2785
KAUFMAN S: 755
KAUFMAN TC: 3362
KAUNG DT: 1882
KAUNITZ H: 1713
KAUPPILA A: 1863
KAVAN EM: 1864
KAWAI A: 1865
KAWAI M: 1866
KAWAI T: 1867
KAWAKAMI K: 2617
KAWAKAMI M: 1868-1870, 2746
KAWAKAMI S: 1639
KAWAMURA K: 2489
KAWASHIMA Y: 1453
KAY DC: 2384
KAYAMORI R: 1480
KAYANJA FI: 1871-1872
KAYE J: 1282
KAYSER J: 1873
KAZAMA Y: 1897-1898
KEELER C: 375
KEELEY JL: 1874
KEELEY LL: 1875
KEELING JW: 665
KEELING M: 1341
KEHLET H: 1878-1877
KELALIS PP: 555, 2608
KELCH RP: 1878
KELLEHER JK: 2980
KELLER PJ: 1879
KELLETER R: 1966
KELLY PA: 1880
KEM DC: 1315
KEMINGER K: 144
KEMP KE: 443
KEMPE H: 1221, 1881
KEMPF F: 1882
KEMPF HJ: 2585
KENDALL JW: 718
KENDALL JW JR: 1851
KENNEDY SW: 2074
KENNEDY WR: 1883
KENNY AD: 2457
KENNY FM: 150, 3858
KENNY GC: 1884
KENSLER PC: 3219
KENT HA JR: 1885
KENT JN: 1623
KENT JR: 1886
KENT M: 3098
KENYON KR: 1127
KERDEL F: 715
KERDELHUE B: 1574
KERENYI T: 3770
KERR MG: 2204
KERREBIJN KF: 1887
KERSTEN H: 1081
KERT MJ: 1888
KERTSMAN VI: 1142, 1692
KESERU T: 3649
KESSERU E VON: 1889
KETCHUM M: 1309
KETOVER BP: 1890
KEUTMANN HT: 130
KEVAN L: 2580
KEVERNE EB: 2460
KEY DJ: 2849
KEYNAN A: 820
KHADZHIEV A: 1891
KHALIKOV SK: 3792
KHAN AS: 2190
KHAN W: 2314
KHANDEKAR JD: 3788
KHANDELWAL RL: 3520
KHANNA SS: 3235
KHARCHENKO SF: 1892
KHAYYALL M: 1893
KHECHINASHVILI GG: 1894
KHEIDEMANIS KK: 1895
KHEMANI L: 49
KHITROV NK: 1896
KHOMULLO GV: 1897
KHRUNOVA AP: 1898
KHUBETSOVA RD: 1899
KHUDR G: 1900-1901
KHURANA RC: 815
KHWAJA TA: 2482
KIEHNSCHERF R: 1578
KIELY RG: 1786
KIFOR E: 1902
KIGAWA T: 2626
KIHLSTROM JE: 2070
KIIL F: 979
KIKUO M: 2571
KILLAM AP: 3140
KILLEN E: 433
KILLICK RJ: 1903
KIM CU: 729
KIM I: 1904-1905
KIM JH: 1906
KIM UH: 2574
KIMBLE DP: 1707
KIMSEY J: 2950
KIMURA F: 1868-1869
KIMURA K: 1907, 2790
KIMURA T: 654, 2579-2580, 3680
KINCH RA: 1266
KIND P: 1319
KING A: 1292
KING JC: 3795
KING RC: 3779
KING RL: 3597
KINLOUGH-RATHBONE RL: 2602
KINNAERT P: 1908
KINNUNEN P: 2195
KINUTANI M: 1909
KIPNES RS: 143
KIRBY L: 1910
KIRCHBERGER MA: 1911
KIRCHGESSNER M: 2800
KIRIUKHIN VG: 1912
KIRKEBY S: 1211
KIRKEGAARD C: 3129
KIRKLAND JL: 1913-1914
KIRKLAND RT: 1913-1914
KIRKMAN HN: 3979
KIRPEKAR SM: 3561
KIRSCHSTEIN RL: 1915
KIRSHEN EJ: 2611
KIRSHNER N: 3471
KIRSTEN E: 1916
KIRSTEN R: 1916
KIRSTETTER L: 3061
KIRTON KT: 732, 1917
KISELEVA ZM: 3617
KISHI K: 2686-2687
KISHIMOTO Y: 1918
KISKEN WA: 816
KISS I: 2832
KISS P: 1919
KISS SA: 1920
KITABCHI AE: 1921
KITAJIMA S: 1922
KITAYAMA T: 2616
KITAZAWA Y: 1923
KITCHELL CL: 1921
KITE JH JR: 3973
KIVIKOSKI A: 777
KIWERSKI J: 2331
KIYOSAWA I: 2616
KIZEL'MAN ZD: 1924
KJAERGAARD J: 1427
KLAPETEK J: 1925
KLEBANOFF SJ: 1463
KLEDZIK GS: 2991
KLEEMAN CR: 307, 2156
KLEIN D: 3657
KLEIN DE: 4005
KLEIN G: 3111
KLEIN K: 1379
KLEIN MJ: 3583
KLEIN MS: 1926
KLEIN O: 1927
KLEIN RF: 1928
KLEIN TG: 3430
KLEINBERG DL: 1130
KLEINKNECHT D: 594
KLEINMAN J: 1605
KLENEROVA V: 1929
KLEPACKI M: 3536
KLEVECZ RR: 3060
KLEY HK: 2683
KLIEBER M: 2420

AUTHOR INDEX

KLIMEK R: 1930-1931
KLIMENKO VM: 1932
KLIMIUK L: 3151
KLINGER G: 374
KLOPPER JF: 123
KLOTZ HP: 1933
KLUGE F: 2584
KLYCE SD: 1934
KNAP J: 1935
KNAPP S: 1938
KNICK B: 1668
KNIGGE KM: 1795
KNIGHT JW: 1937
KNIGHT S: 3735
KNIZHNIKOV VA: 605
KNIZLEY H JR: 1938
KNOBIL E: 1648
KNOPP J: 1939
KNORR D: 3001
KNOTT JC: 1940
KNOTT PJ: 1941
KNOX JM: 1542
KNOX WE: 2283-2284
KNOX WH: 1942
KNUPPEN R: 1222
KNYCHALSKA-KARWAN Z: 3167
KOAMA Y: 69
KOBAYASHI H: 1943
KOBAYASHI K: 63, 1944
KOBAYASHI M: 1681
KOBAYASHI S: 1164
KOBAYASHI T: 1945
KOBAYASHI Y: 1946
KOBBERLING J: 1947
KOBIELOWA Z: 1948
KOBILKOVA J: 4132
KOBUS M: 1976
KOCH C: 1419
KOCH M: 861
KOCH RM: 1949
KOCH TR: 1950
KOCHAKIAN CD: 1951
KOCSIS JJ: 3434
KOCZOREK KR: 2450
KODAMA T: 1952
KODICEK E: 2855
KOEHL C: 3061
KOERKER RL: 3911
KOFFLER D: 622
KOFLER E: 1953-1954
KOHLER K: 2929
KOHLER PF: 1955
KOHLHARDT M: 1956
KOHRS G: 2516
KOHUT RI: 3481
KOIDE SS: 117
KOIE K: 1589
KOJIMA A: 1567
KOJIMOTO H: 797
KOK OV: 3308
KOK-LENG T: 1608
KOKOT F: 1957, 2048
KOLAKOWSKI D: 384
KOLAROV P: 1228, 1958-1960
KOLAWOLE TM: 1604
KOLBEL F: 1961
KOLE W: 43, 1962
KOLENDORF K: 3423
KOLKER AE: 1963
KOLLE G: 3001
KOLLIAS G: 1964
KOLLIKER K: 1965
KOLMEL HW: 1966
KOLTA P: 3643
KOLTEK WT: 2779
KOMARKOVA O: 1096
KOMOROWSKA A: 1967, 3422
KOMPIANG IP: 1968
KONDALENKO VF: 2726
KONDO A: 1969
KONIJN AM: 1970
KONISHI H: 4100
KONO T: 1971
KONONENKO VIA: 1972
KONONYKINA NN: 1313
KONOPATSKAIA VM: 87
KONOPKA P: 1933
KONRADY A: 1854
KONZACK K: 1973
KOOI PV: 1974
KOONER DS: 1975
KOPP C: 3777
KOPROWSKI JA: 3789
KORBECKI M: 1976
KORBEL A: 2711
KORDA A: 3372-3373
KORDON C: 1574
KORDUBA CA: 1977
KORELITZ BI: 3198
KORINEK JK: 1976
KORKHOV VV: 1979
KORMANO M: 1980
KORN D: 681
KORNER H: 1981
KORNEVA TI: 3653
KOROGODINA GIA: 2447
KOROSSY S: 1982
KORSGAARD O: 2193
KORTUKOV EV: 2447
KORTWRIGHT K: 1713
KORZ R: 1983
KOSASA T: 1984
KOSHY TS: 1985
KOSS MC: 1986
KOSSOVE DB: 3979
KOSTELLOW AB: 1987
KOSTROVA AA: 361
KOTANI M: 2755
KOTCHEN TA: 1098, 1988
KOTHARI M: 2712
KOTHBAUER H: 3265
KOTSUJI F: 2634
KOUSAKA T: 2547
KOUTRAS DA: 1989
KOVAC R: 2764
KOVAC T: 70
KOVACIK V: 2332
KOVACS K: 1202, 3788
KOVACS L: 1990
KOVACS M: 1991
KOVALENKO VL: 1992
KOVI J: 1993, 3883
KOVITHAVONGS T: 1994
KOVTUNIAK NA: 1995
KOWAL J: 1482
KOWALCZYK K: 1996
KOWALSKA E: 2010
KOWALSKI CJ: 1491
KOYANAGI T: 1997
KOZIOLOWA H: 1998
KOZLOWSKI J: 1999
KRAAS E: 334
KRABILL LF: 159
KRAELING RR: 2000-2001
KRAEMER DC: 135
KRAICER J: 2382, 4099
KRAICER PF: 824, 851, 1256, 3359
KRAJCA K: 2002
KRAKOWSKI J: 2045
KRAMER AA: 3617
KRAMER G: 3316
KRAMER W: 3267
KRANENDONK DH: 2003
KRANT MJ: 3635
KRANTZ SB: 2004
KRAPP R: 1620
KRASILNIKOFF PA: 323
KRASNAY M: 3510
KRASZEWSKI A: 3962
KRATOCHWIL A: 2005
KRATZ RC: 2006
KRAUS G: 341
KRAUSE DK: 1523
KRAUSE H: 1956, 3782
KRAUSE HH: 2007
KRAUSE W: 2008-2009
KRAWCZUK A: 2010
KRAWECKI T: 804
KRAWITT EL: 2011
KREBS HA: 2012
KREJCI I: 3172
KREMER M: 1170
KREY LC: 1848
KREZE A: 2013
KRIDER HM: 2014-2015
KRIEG L: 1370, 2367
KRIEGEL H: 1628
KRIEGER DT: 2016
KRIGBAUM WR: 2017
KRIGSTEIN E: 459
KRISHNA G: 3305
KRISHNAMURTHY GT: 3967
KRISHNAMURTHY K: 2018
KROGER H: 2019, 3900
KRONE K: 3325
KRONER H: 2453
KROSCH H: 1612
KRUEGER GG: 3984-3985
KRUG F: 2020-2021
KRUGER KE: 2022
KRULICH L: 1623
KRULWICH TA: 3263
KRUMIN' AR: 2023
KRUPKE HJ: 3241
KRUS S: 4141
KRUSCHWITZ S: 2024
KRUSH AJ: 2260
KRUSKEMPER HL: 2683
KRUTUL H: 3151
KRZANOWSKA-DYRAS M: 1948
KU Y: 1072
KUBIAK H: 2711
KUBO S: 3805
KUBO T: 2791
KUBOTA Y: 2025-2029
KUCEWICZ A: 4127
KUCHEL O: 760
KUCHERENKO RP: 2030
KUCHLER G: 520
KUCHUSHEV EKH: 2031
KUDO S: 1176-1179
KUDO T: 1997
KUDZMA DJ: 2032-2033
KUEGLER FR: 2017
KUENZEL WJ: 2034
KUHL W: 309
KUHN H: 1632
KUHN NJ: 2035
KUJAS M: 2709
KULAGIN VI: 3882
KULCSAR A: 2036
KULIKOV MA: 4149
KULIN HE: 3053-3054
KULKA R: 2836
KULKA RG: 690
KULOVICH MV: 1289
KUMAHARA Y: 2037, 4081
KUMAMOTO Y: 2038
KUMANO N: 2039
KUMAOKA S: 2046
KUMAR S: 2961-2962
KUMATE J: 1275
KUMBAR M: 2040
KUN E: 2166
KUNIMOTO S: 90
KUNISAKI T: 2750
KUNLIN J: 2041
KUNTZMAN R: 2243
KUO PT: 1467
KURACHI K: 2489, 2791
KURATA M: 2637
KURBAN A: 1133
KURBANOV TG: 1924
KURIHARA N: 2042
KURITA K: 2039
KURIYAMA H: 2313
KURJAK A: 228
KUROKI T: 2043
KURS'KII MD: 1399
KURTH KH: 2044
KURTZ HJ: 96
KUS M: 2045
KUSAMA M: 2046
KUSHINSKY S: 2047
KUSHNIRUK IUI: 1716
KUSKA J: 1957, 2048
KUTAS M: 2049
KUTI J: 678
KUTTAN R: 2050
KUTTY KM: 2314
KUUZ AL: 1142
KUZIN MI: 2051
KUZMINA LV: 2348
KUZNETSOVA LM: 2052
KUZNIARZ K: 1430
KUZUYA N: 1865
KVETNANSKY R: 3871
KVINNSLAND S: 2053
KWA HG: 3217
KWARECKI K: 2054

KWONG E: 200
KYEGOMBE D: 2055
KYLE RA: 2333
KYRGE PK: 3885
KYSELKA R: 230

L

LABAT JP: 2058
LABEEUW M: 4133
LABHSETWAR AP: 2057-2058
LABORIT H: 2059-2080
LABRIE F: 945
LABROSSE EH: 2081
LACANILAO F: 2082-2063
LACATIS D: 92
LACHAUD P: 3897
LACHER MJ: 2795
LACHOWICZ L: 1967, 3422
LACOMBE M: 3856
LACROIX GE: 2515
LAFAYE A: 2084
LAFONT R: 2085
LAFUMA J: 2880
LAGADEC JC: 2088
LAGERSPETZ KY: 2067
LAGOIKO MI: 1281
LAHIMGARZADEH A: 3051
LAJBOREK-CZYZ I: 2184
LAJOS L: 2068
LAKE PE: 3753
LAKE RS: 2089
LAKOMAA E: 2070
LALLIER R: 428
LALYKINA KS: 1143
LAM KC: 2500
LAMARQUE JL: 1268
LAMBERG BA: 2071
LAMBIASE JT JR: 2072
LAMBIOTTE M: 2073
LAMBOLEY C: 3348
LAMBRECHT RM: 123
LAMERS-STAHLHOFEN GJ: 2583
LAMOND DR: 2074
LAMOTHE C: 2080
LANCIAULT G: 3134
LAND RB: 2075
LANDGRAF WC: 2078
LANDOLT AM: 2077
LANDON J: 3550
LANDS WE: 3840
LANDSBERG L: 903
LANE K: 2684
LANGDON DE: 2078
LANGE AP: 2079
LANGE WE DE: 2080
LANGER P: 2081, 3619
LANGFORD GA: 2082
LANGLEY P: 3594
LANTHIER A: 2834
LANTZ JP: 2083
LANZEROTTI RH: 1401
LANZI LH: 787
LAO M: 2789
LA PESA M: 900
LAPEY A: 1856
LAPIDES J: 712
LAPLANE D: 2084
LAPORTE P: 2085
LAPRAS C: 1432
LAPREVOTTE I: 2825
LARDY HA: 1200
LAROCHE C: 2088-2087
LAROS RK JR: 4037
LARREGUE M: 408
LARSEN EH: 2088
LARSEN J: 1477
LARSEN JF: 2089, 2851
LARSEN PR: 1478
LARSON LL: 3530
LARUE CG: 2090
LARVOR P: 2091
LASCAR G: 2092
LASCELLES PT: 2093
LASLEY JF: 2380
LASSERRE PP: 1004
LASSERS BW: 3914
LAST VP: 787
LASZLO F: 1813
LASZLO J: 2094
LATHROP KA: 2095
LATOS DL: 2096
LATTIMER JK: 3947
LAUBE H: 2097
LAUFE LE: 2152
LAUFER A: 2944
LAUR S: 2098
LAURENT B: 2099
LAURIAN L: 2100
LAUWERS W: 1886
LAUWERYNS JM: 2101
LAVEIL G: 3348
LAVENDER JP: 2448
LAVICKOVA E: 2859
LAVOLLAY J: 1873
LAVROVA EA: 2646
LAWRENCE DA: 2102
LAWRENCE EF: 2830
LAWRENCE IE JR: 491
LAWRENCE VJ: 2992
LAWS L: 2984
LAWSON GM JR: 3044
LAX ER: 1248
LAYCOCK MV: 2103
LAZARINI HJ: 260
LAZARUS NR: 1209
LEACH RE: 2104
LEAF A: 2105
LEARY FJ: 4058
LEATHEM JH: 3401
LEAVITT WW: 2106
LEBEDEV VP: 3854
LEBLANC H: 2121
LEBOUAR Y: 3205
LE BOURGEOIS JP: 2107
LEBOVITZ HE: 854, 2850
LECKY JW: 785
LECLERCQ R: 852, 3824
LECOMTE J: 1799
LEDERER B: 2465
LEDERIS K: 447
LEDERMAN Y: 2108
LEDINGHAM JG: 332
LEDUC RJ: 1279
LEDWARD DA: 1084
LEE AE: 2109-2110
LEE CS: 2778
LEE DJ: 37
LEE FS: 1072
LEE HG: 2003
LEE HM: 2449
LEE LF: 3429
LEE SC: 2560
LEE SL: 2111
LEE YS: 2112
LEEMING BW: 904
LEFCOE NM: 1220
LEFER AM: 2113
LEFKOWITZ G: 416
LEGAIT E: 499
LEGATES JE: 2114
LEGER L: 2115-2116
LE GOUGUEC C: 2068
LEGRAND J: 3038
LEGRAND M: 226
LEGRELE C: 2117
LEGROS R: 2118
LE GUILCHER S: 3569
LEHMANN F: 306
LEHMANN PA: 2119, 2363
LEHNERT S: 2120
LEHNINGER AL: 819, 988
LEHOUX JG: 2121
LEHRER GM: 2122
LEHRER L: 2307
LEHRER RI: 405
LEI KY: 4088
LEIBER B: 2123
LEICHT E: 2124
LEICHTER J: 2125
LEINER KY: 2930
LEINZINGER E: 2126
LEITES SM: 2127, 4212
LEJEUNE E: 410
LEJEUNE J: 3068
LELIK F: 2128
LELIKOVA GP: 4117
LELLOUCH J: 2396
LE MAGNEN J: 2090, 2129
LE MAHIEU M: 2574
LEMAIRE WJ: 2130
LEMARCHAND-BERAUD T: 2131
LE MAREC B: 219
LEMESHEVA SN: 3547
LEMMER B: 2132
LEMMI H: 936
LE MOAL M: 3580
LEMOINE AM: 2133
LEMON HM: 2134
LEMON M: 2135
LENA A: 2136
LENART G: 2913
LENGLE E: 2137
LENGUA F: 2041
LENHARD RE JR: 2138
LENNQUIST S: 2139
LENT CM: 2140
LEO S: 2141
LEODOLTER S: 1739
LEON M: 2142
LEONARDI RG: 2143
LEONHARDI G: 2144
LEONIDAS JC: 4105
LEPKOVSKY S: 2145
LEPPALUOTO J: 3884
LEPSANOVIC L: 70
LEQUESNE M: 2148
LEREBOULLET J: 2147
LERKH EE: 2148
LERMAN S: 2149
LERNER AB: 2703
LERNER RC: 3937
LERNER U: 3101
LERNMARK A: 2150
LE ROITH D: 2151
LEROUX JP: 2356
LEROY J: 1660
LESCH R: 1345
LESKOVA SG: 2447
LESLIE DC: 2152
LESNIAK MA: 98
LESSARD M: 219
LEUVEN JA: 689
LEVCHENKO MN: 2153
LEVDIKOVA GA: 2154
LEVEILLE GA: 4094
LEVELL MJ: 1469
LEVER AF: 826, 1893, 3094, 3982
LEVESQUE L: 1984
LEVET E: 2155
LEVEY GS: 542
LEVI J: 583-584, 2156
LEVIER RR: 2157
LEVIN A: 2158
LEVIN ML: 2159
LEVIN SR: 607
LEVIN W: 2243
LEVINE JH: 2160
LEVINE L: 3219
LEVINE S: 725
LEVINSON W: 2161
LEVITSKY DA: 200
LEVOT J: 885
LEVSHANKOV AI: 368
LEVY LJ: 2162
LEVY M: 253, 2501
LEVY RP: 3999
LEW GM: 2163
LEWANDOWSKI JA: 3917
LEWICKI I: 218
LEWIN PK: 2164
LEWIS A: 921
LEWIS B: 585, 3791
LEWIS DG: 1446
LEWIS DW: 3312
LEWIS EJ: 1822
LEWIS JL JR: 2795
LEWIS L: 1418
LEWIS PD: 2093
LEWIS UJ: 3454
L'HERMITE M: 3860
LHERMITTE F: 2165
LHOSTE F: 3728
LI CH: 311, 4089
LI TK: 2241
LIANG HM: 4110
LIAO TH: 3215
LIAPUN SN: 2661
LIBAN E: 818
LIBBY P: 2166

LIBRIK L: 1913-1914
LICHARDUS B: 2081, 2187, 2784
LICHODZIEJEWSKI K: 2188
LICHT P: 2169
LICHTENSTEIN LM: 405, 2170
LIDDLE GW: 482, 2180, 2171
LIE TS: 2172
LIEBART JC: 1205
LIEBERHERR M: 2173, 3902
LIEBERMAN PH: 2795
LIEBESKIND JC: 39
LIEBLICH I: 2893
LIEBLICH JM: 2174
LIEBSCHER J: 2929
LIEM HH: 3735
LIESE W: 2175
LIEVRE JA: 2176
LIEVREMONT M: 2177
LIEW CC: 871
LIFSCHITZ MD: 2178
LIFSHITS TI: 1895
LIGHT RJ: 2179
LIGHTWOOD AM: 2180
LIGNON F: 3104
LILLY F: 2181
LIMA-DE-FARIA A: 2182
LIMAL JM: 935
LIMBURG H: 2183
LIMON J: 2184
LIN BJ: 3822
LIN CC: 2185
LIN DC: 2188
LIN SJ: 2187
LIN TY: 823
LINARES H: 2531
LINCK G: 2188
LINCOLN FH: 2189
LINDENBAUM A: 3143
LINDENBAUM RH: 2190
LINDGREN E: 1488
LINDHE J: 1374
LINDHOLM J: 2191-2194
LINDHOLM RV: 2195
LINDHOLM TS: 2195
LINDNER HR: 3957
LINDNER J: 1005
LINDQUIST B: 1389
LINDSTRAND K: 1440
LINDSTROM LH: 2198
LINDVALL O: 138
LING N: 2197, 3834
LING V: 3745
LINK K: 2899
LINKIE DM: 2198
LINN JG: 2272
LINSK JA: 2199
LINZBACH C: 252
LIPSETT MB: 1378, 2233
LIPSKI S: 3190
LIPSON A: 2200
LISA L: 1009
LISBOA BP: 445, 2201-2202
LISBONNIS JM: 2848
LISK RD: 1583
LISSEN OTERO E: 4087
LISSITZKY S: 3132
LISTER D: 2203
LISTON WA: 2204
LITCHMAN HM: 3432
LITONIUS U: 1883
LITTMAN KP: 2205
LITVINENKO AF: 1972
LITWACK G: 810
LIUBETSKAIA LS: 2988
LIUBIMOV BI: 2206
LIVINGSTON DC: 3878
LIVINGSTON RB: 588
LIVINGSTON S: 2207
LIVSTONE E: 815
LJUNGKVIST I: 2208-2209, 3713
LLEDO G: 727
LLOYD AG: 1207
LLOYD BJ: 2210
LLOYD IJ: 2211
LLOYD JW: 2212
LLOYD TW: 2213
LO TC: 2214
LOBELLO R: 2215
LOBO LC: 2957
LOCKETT MF: 2218
LOCKHART AN: 914
LOCKWOOD E: 1247
LODI G: 3883
LOEFFELHOLZ P: 838
LOESCHKE K: 3806
LOEWENSTEIN WR: 2217
LOFSTRANDH S: 2541
LO GERFO P: 3947
LOGINOV AS: 2218
LOHMANN-MATTHES ML: 2219
LOHR J: 2220
LOHRENZ FN: 2221
LOISILLIER F: 3821
LOKEN HF: 2222
LOLLEY RN: 3283
LOMBARDO G: 2223
LONAUER G: 3025
LONDESBOROUGH JC: 2224
LONERGAN C: 2225
LONG JA: 2228
LONG JP: 1358
LONG RT: 2227
LONGWELL A: 3958
LOO TL: 1240
LOPATINA ZHM: 2228
LOPEZ E: 1268
LOPEZ M: 1573
LOPEZ DE LA OSA E: 3101
LOPUSZYNSKA M: 3538
LORBER J: 2229
LORENC R: 2230
LORENTE MARTINEZ A: 3818
LORENZ MD: 2231
LORENZ RJ: 2232
LORIAUX DL: 2233
LORRAIN J: 2234
LOSEV NA: 2030, 2235
LOSONCZY I: 1400
LOTOCKI W: 3512
LOTRIC N: 1798
LOUGH JW: 2238
LOUGHRIDGE LW: 2237
LOUIS CJ: 1884
LOUIS-SCHAUER H: 2238
LOURENCO RV: 209
LOUSSE A: 2814
LOUTZENHISER R: 183
LOUVEL A: 2115
LOUVET JP: 229
LOUVET M: 2088
LOVE L: 2239
LOVEGROVE T: 2240
LOW H: 3914
LOW JC: 2241
LOWHAGEN T: 1755
LOY E: 2587
LOYBER I: 2802
LOYNING E: 979
LOYNING E: 980
LOZANO-TONKIN C: 2242
LU AY: 2243
LU KH: 2425
LUBINIECKI AS: 3490
LUBITZ JA: 2244
LUCAN-MALENE G: 379
LUCAS CP: 712
LUCAS RA: 395
LUCE JK: 1140, 2245
LUCENTE FE: 2248
LUCERO JJ: 1884
LUCK VA: 878
LUCZAK M: 1978
LUDENS JH: 2247
LUDWICK TM: 1975
LUE PF: 871
LUETSCHER JA: 237
LUFKIN EG: 2248
LUGARO G: 558
LUHMANN HR: 2739
LUIGIES JH: 1510
LUKAC J: 1718
LUKACS I: 2249
LUKE GM: 781-782
LUKESH RC: 1309
LUKINA LI: 3854
LUMBERS ER: 681, 2557
LUNAAS T: 2282-2263
LUND PK: 2400
LUNDBERG PO: 283, 2250, 2781
LUNDE DT: 2251
LUNDQUIST I: 1229
LUNELL NO: 2252, 2875
LUNENFELD B: 3821
LUNGAROTTI S: 545
LUNSETH P: 504
LUPPA H: 2253
LUPTON C 3D: 567
LUPU AN: 1881
LURIA SS: 4005
LURVEY A: 2254
LUSH D: 2255
LUSTGARTEN C: 2258
LUTHMAN J: 2257
LUTON JP: 446, 2258
LUTTGE WC: 3993
LUTTWAK EM: 2259
LUTZE G: 2175
LYBECK H: 3884
LYNCH HT: 2280
LYNCH PG: 2261
LYNGSET O: 2282-2283
LYNN HB: 555
LYNN JA: 583
LYTLE LD: 3127
LYTTON B: 3289

M

MAATHUIS JB: 1829
MABEN M: 1754
MCADAMS AJ: 80
MCADOO WG: 3110
MCAFEE DA: 2264
MCALPINE D: 2285
MCARTHUR JW: 2266
MCBRIDE J: 2788
MCCAA CS: 2287, 3035
MCCAA RE: 2287, 3035
MCCALDEN TA: 211
MCCALLISTER LP: 2268, 2793
MCCAMMON JA: 3981
MCCANN DS: 2289
MCCANN SM: 1823
MCCARL RL: 69
MCCARTHY D: 2270
MCCARTNEY W: 2888
MCCAUGHEY W: 2271
MCCAULEY EH: 2272
MCCLATCHEY WM: 2273
MCCLELLAN RO: 2577, 2887-2888
MCCLURE HM: 2274
MCCLURE TD: 2275
MACCOLLUM MS: 868
MCCOLLUM WB: 3511
MCCORMICK WF: 3296
MCCREDIE D: 2419
MCCULLEY JP: 2839
MACDONALD GJ: 882, 2276-2277
MCDONALD JS: 2278
MCDONALD JV: 2364
MACDONALD PC: 1372
MACDONALD WE: 849
MCDONALD WJ: 712
MCDONALD-GIBSON W: 1349-1350
MCDOUGALL E: 901
MACE JW: 2279
MCELIN TW: 2280
MCEVEDY MB: 3779
MCFALL E: 2281
MCFARLAND JW: 2282
MCFEELY WE: 720
MCGEE MM: 2283-2284
MCGOWAN BK: 2285
MACGREGOR J: 1893
MCGREW E: 2422
MCGUCKIN J: 2870
MCGUIRE JS: 2703
MCGUIRE PM: 2288
MCGUIRE WL: 2287-2288
MACH S: 2289
MACHO L: 1647
MCHUGH PR: 2290
MCILWAINE GM: 3982
MACINTYRE EH: 2291
MACINTYRE I: 2292
MACKAY WC: 1114
MCKENZIE HA: 2293
MCKENZIE JA: 2294
MACKENZIE P: 2295
MACKERER CR: 706

MCKERNS KW: 2296
MACKEY LJ: 2297
MACK1E G: 2864
MACK1E RM: 2296
MACKIEW1CZ-CHOYNOWSKA K: 367
MCK1NLEY DL: 2847
MCK1NNEY TD: 650
MACKINNON PC: 2299
MCK1RDY HC: 2300
MACKNIGHT AD: 2105
MCKNIGHT GS: 3075
MCLAUGHL1N G: 3319
MCLEAN JR: 247
MCLEMAN D: 522
MCLEOD DG: 2301
MACLEOD DP: 3762
MACMANUS JP: 4001
MACM1LLAN AL: 2302
MCNABB TG: 564
MCNE1L JS: 1098
MCNE1LL JH: 2303
MCNE1LLY AS: 302
MCNE1LLY JR: 2304
MCNICOL E: 2305
MCNUTT DR: 2333
MACOURT DC: 2306
MCPARLAND PJ: 2847
MACVICAR J: 2624
MCVICKER TA: 3160
MCWHINNIE DJ: 2307
MADAN1 C: 590
MADE1RA LB: 17
MADER M: 881
MADHAVAN K: 2308
MADHAVAN M: 2016
MADZAROVOVA-NOHEJLOVA: 3156
MAEDA A: 2309
MAEDA T: 1699
MAENO H: 2310
MAENPAA J: 2311
MAESS J: 2586
MAGALHAES MC: 2312
MAGAR1BUCH1 T: 2313
MAGG1 V: 2314
MAGNIER M: 3611
MAGOS L: 1358, 2315
MAGRO G: 742
MAHAJAN DK: 2316
EL-MAHGOUB S: 2317-2316
MAHMOOD A: 2319
MAHOUDEAU JA: 2320-2322
MAHRLE G: 2766
MA1BACH H1: 925
MAICKEL RP: 394
MA1ELLA M: 386
MA1N AW: 2323
MA1NWAR1NG W1: 2324
MAISEY MN: 2325
MA1T1 BR: 2326
MAIZTEGU1 J: 999
MAJ S: 2327
MAKAROVSKAIA EE: 1692
MAKAVEEVA V: 3669
MAKER HS: 2122
MAKI S: 2326
MAKINO T: 2329-2330
MAKOVICKY V: 266
MAKOWSKI EL: 3140
MAKOWSK1 J: 2331
MALACARA J: 3045
MALAISSE WJ: 452
MALAMOS B: 1989
MALAN1 BS: 3203
MALANOWSKA S: 258
MALASANOS LJ: 2376
MALAT1NSKY J: 2332
MALDONADO JE: 2333
MALEK GH: 616
MALENDOW1CZ LK: 2471
MALHOTRA KK: 2334
MAL1K YD: 3829
MAL1KOV A1: 2335
MALL1N SR: 2336
MALL1NSON CB: 1541
MALOOF F: 1524, 2724
MALVANO R: 2337
MALVAUX P: 1231
MALVEN PV: 4024
MALY J: 467
MANABE H: 1453, 2555
MANALAN SA: 2667
MANALO-ESTRELLA P: 1159
MANAS1A M: 2338
MANDEL 1D: 4062
MANDEL MJ: 3985
MANDEL P: 1558
MANDELL AJ: 1936
MANDO OG: 999
MANDR1NO M: 2238
MANECKJEE R: 2339
MANERA E: 558
MANGE AP: 2340
MANGNALL D: 2341
MANKE HG: 1966
MANK1N HJ: 2342-2343
MANLEY SW: 2344
MANN T: 2345
MANNCHEN E: 2346
MANNING RD JR: 703
MANOHAR M: 2347
MANOJLOVIC D: 949
MANOJLOVSKI B: 3866
MANOKH1NA MS: 2348
MANSCHOT WA: 2349
MANSHARAMANI GG: 2016
MANSKY PA: 2384
MANSOUR TE: 153, 2350
MANZONI A: 541
MANZOR S: 4123
MAQUEO M: 2351-2352
MARAUD R: 346, 2353, 3589
MARCH BE: 2354
MARCH RB: 3114
MARCHAND CR: 2355
MARCHAND JC: 2356
MARCHETTI J: 499, 2357
MARCOVE RC: 2358
MARCQ M: 2359
MARCUCC1 F: 545
MARCUM JB: 2360
MARCUS R: 130
MARCZYNSKA B: 2361
MAREK J: 1009
MARENKO VF: 1992
MARGRAF HW: 4034
MARGULES DL: 4136
MARGUL1S L: 2980
MAR1A J: 131
MAR1N B: 32
MARKAROVA OS: 2362
MARKER RE: 2119, 2363
MARKESBERY WR: 2364
MARKOVSKI N: 2365-2366
MARKS BH: 3208
MARKS F: 1370, 2367
MARKS JF: 586
MARKS LS: 2368-2369
MARKS R: 2370, 3250
MARKSCHE1D-KASP1 L: 1149
MARKU GA: 2799
MARLEY E: 2371
MAROIS M: 2372-2374
MAROKO PR: 2166
MARONCELL1 P: 2375
MAROSSERO F: 2394
MAROTTA SF: 2376
MAROTTA V: 3833
MAROVA E1: 1692, 3547
MAROVSKI S: 1958
MARPLE DN: 3333
MARQU1E G: 2377
MARR LD: 2869
MARR1Q P: 2376
MARSHALL JR: 3147
MARTAL J: 2379
MARTEAU R: 2165
MARTENS G: 3725
MARTIN B: 234, 371
MARTIN BT: 2380
MARTIN CB JR: 2381
MARTIN D: 2253
MARTIN FH: 159
MARTIN JB: 3045
MARTIN JH: 563
MARTIN JL: 3145
MARTIN JM: 1183
MARTIN L: 672
MARTIN RG: 474
MARTIN S: 2382
MARTIN TJ: 2383
MART1N WR: 2384
MARTIN YC: 510
MARTIN DE LA LASTRA A: 653
MARTIN-DELEON PA: 2385
MARTINET J: 665
MARTINEZ AJ: 1472
MARTINEZ J: 3119
MARTINEZ JL JR: 2386
MARTINEZ MA: 101
MARTINI L: 2926, 3558
MARTINON J: 138
MARTINS LO: 3133
MARTINS PRATA M: 2803
MARTIS L: 2387
MARTIUS G: 2388
MARTOJA M: 2389
MARTY R: 2390
MARUKAWA S: 2549
MARUO T: 3760
MARUYAMA M: 3245
MARX SJ: 130
MARY JY: 2409
MARZA L: 2391
MAS-JOUGLA N: 121
MASON JW: 1988
MASON K: 2392
MASON R: 2393
MASON S: 1490
MASPES PE: 2394
MASSARRAT S: 2395
MASS1N JP: 2396
MASSLER M: 1502
MASSON J: 1212
MASSON M: 3724
MASSRY SG: 307, 2156
MASTAGL1A FL: 834
MASTERS CJ: 1437
MASUDA Y: 4076
MASUMURA S: 2397
MATEESCU P: 3690
MATEESCU R: 110
MATEJOWEC LA: 384
MATHARU AS: 2211
MATHE AA: 2398, 3598
MATHEWS RW: 2399
MATHIES JC: 2400
MATHIEU H: 1397
MATHIEU DE FOSSEY B: 2258
MATHUR RM: 2647
MATHUR VS: 1192
MATRONE G: 3641
MATROVA TS: 2401
MATSAN1OTIS N: 4153
MATSUHASHI M: 1828
MATSUKADO Y: 1952
MATSUKI Y: 2637
MATSUMOTO K: 2402
MATSUMOTO N: 1708
MATSUMOTO S: 3394
MATSUMOTO T: 3139
MATSUNAGA E: 2403
MATSUO H: 102
MATSUOKA 1: 3392
MATSUOKA K: 1520
MATSUOKA M: 4084
MATSUURA K: 3392
MATSUURA S: 2616
MATTA CS: 4116
MATTA M: 1133
MATTEI JF: 1271
MATTEI MG: 1271
MATTER P 3D: 2404
MATTHAY RA: 2405
MATTHEWS EK: 2406
MATTHEWS LS: 2407
MATTHEWS MJ: 268
MATTHEYSE FJ: 176
MATTNER PE: 1617
MATTOS JP DE: 2430
MATTY AJ: 2408
MATUCHANSKY C: 2409
MATVEEV MP: 2410
MAULEON P: 2411
MAUREL E: 572
MAURER HR: 2412
MAURER W: 2413
MAUSLE E: 2124
MAUSS J: 2414
MAUVAIS-JARVIS P: 2415-2416
MAWHINNEY MG: 2212

AUTHOR INDEX

MAXWELL CV: 683
MAXWELL M: 1888
MAXWELL MH: 307
MAY PB: 2417
MAY-LEWIN F: 276
MAYALL BH: 2440
MAYBERRY WE: 1245
MAYER D: 2418
MAYER DJ: 39
MAYNE V: 2419
MAYOR GH: 712
MAYRHOFER E: 2420
MAYSTON PD: 204
MAYUZUM1 T: 4084
MAZANEK E: 1819
MAZANOWSKA A: 1232
MAZIERE B: 941
MAZUREK A: 1948, 1999
MAZZI V: 3863
MAZZIA LM: 3091
MAZZOLL1 AB: 2421
MEAKIN JW: 965, 2295
MEAKINS GD: 246
MEDAK H: 2422
MEDEL M: 2423, 4148
MED1NA AM: 826
MEEK JL: 1327
MEFFERT O: 2424
MEHLMAN MA: 706
MEHNERT H: 1509
MEHREGAN AH: 4122
MEHROTRA AN: 3675-3676
MEIER H: 621
MEILE MJ: 2673
MEISER RJ: 2124
MEITES J: 1713, 2425, 2615, 2991
MEIZEL S: 2426
MELAMED MR: 1438
MELANDER A: 2427
MELBY JC: 2428, 3204
MELCH1OR JC: 954
MELERO BELL1DO M: 4087
MEL1 A: 2919
MELIK1AN V: 720
MELLER J: 2429
MELLO AR DE: 2430
MELLO FILHO A: 2431
MELLOR DJ: 2432
MELLSOP G: 2433
MEL'NIKOVA TA: 2434
MELNYKOVYCH G: 3595
MELOTTE G: 2435
MELVIN KE: 2436
MENAKER L: 2437
MENARD J: 737
MENARD RH: 2438
MENCHACA MONTANO JR: 2439
MENDELL JR: 2598
MENDELS J: 3004
MENDELSOHN ML: 2440
MENDELSON SH: 3928
MENDEZ D: 1562
MENDEZ E: 2441
MENDOZA D: 2442
MENG S: 2443
MENG W: 2443
MENON KM: 2444
MENZEL P: 1620
MENZ1ES JA: 3939
MERABISHVILI ML: 3548
MERCHANTE 1GLES1AS A: 2445
MERC1ER-PAROT L: 3787
MERIMEE TJ: 2446
MERKER HJ: 2700
MERKULOV MF: 2447
MERRICK MV: 2448
MERRILL JM: 1125
MERRILL LK: 2449
MERRITT JH: 354
MERTIN J: 2450
MERTVETSOV NP: 3212
MERZ WA: 1074
MESCHIA G: 3140, 3480
MESDJIAN E: 411
MESHCH1SHEN 1F: 1995
MESSAGER A: 260
MESTECHK1NA AIA: 2451
MESTER L: 2462
MESTMAN JH: 1294
METCALF MG: 2452
METZ T: 2453
METZGER BE: 2619
MEUNIER M: 746
MEURK ML: 787
MEVES M: 334
MEYENBERG H: 2454
MEYER A: 3105
MEYER BJ: 316
MEYER C: 2455
MEYER DK: 2456
MEYER H: 3304
MEYER JS: 2457
MEYER P: 823, 1388, 2458
MEYER RK: 828-829, 3236, 4096-4097
MEYERHOFF JL: 3499
MEYERS NA: 2459
M1CHAEL RP: 2460
M1CHAEL1S E: 2461
M1CHAL F: 2462
M1CHAL1K J: 2782
M1CHEAU C: 3697
M1CHEL IM: 3955
M1CHEL R: 941
M1CHEL-BRIAND Y: 2463
M1CHELAK1S AM: 1125
M1CHELANGEL1 V: 2383
M1CHELBECHET M: 3132
M1CHELE M: 2464
M1CHELS D: 308
M1CHIE EA: 1132
M1CHLMAYR G: 2465
M1CKAN H: 1583
M1DAN1 W: 794
M1DDLEDITCH BS: 2466-2467
M1DDLETON JM: 1448
M1DDLETON RG: 2967
M1DENET M: 3285
M1DGLEY AR: 183
M1DWINTER A: 2468
M1ER PD: 2469-2470
M1ETK1EWSKI K: 2471
M1EZYNSK1 W: 3187
M1GUE1S-CLODE MH: 2803
M1HAESCO E: 290
M1HAILOVICH N: 3866
M1HARA T: 3392
M1HATSCH MJ: 2472
M1HULA A: 2473
M1KAT DM: 2474
M1KAT K: 2474
M1KHAIL G: 370
M1KHAIL Y: 2475
M1KHEL'SON M1A: 1717
M1KOLAJCZYK J: 208
M1LANE J: 299
M1LANOV S: 1958, 1960
M1LCU SM: 2476-2477
M1LET RG: 2478
M1LEWICH L: 2479
M1LGROM E: 2480
M1LHOLLAND RJ: 1809
M1LLER A: 1090
M1LLER DS: 2481
M1LLER ER: 443
M1LLER HH: 879, 2436
M1LLER HW: 2404
M1LLER JK: 3634
M1LLER JN: 3639
M1LLER JP: 2482
M1LLER JW: 713-714
M1LLER M: 2568
M1LLER RW: 2483
M1LLER WJ: 2648
M1LLET C: 1243
M1LLET D: 2484
M1LLIEZ P: 156, 1388, 3105
M1LL1ON RR: 3481
M1LLS DC: 1483, 2485
M1LLS SH: 2486
M1LMAN HA: 721
M1LTON AS: 347
M1LUNSKY A: 2487
M1MURA N: 2488
M1NAGAWA J: 2489
M1NEMAWARI Y: 2504
M1NGUELL J: 2490
M1NINBERG DT: 2491
M1NNE H: 4140
M1NNICH JL: 910
M1NNIGERODE B: 2492
MINSKI MJ: 1457
M1OCQUE M: 325
M1R-MADJLESS1 SH: 2493
M1RAVET L: 556-557, 2494, 3354
M1RCEVOVA L: 2495
M1RC1O1U C: 2338
M1RKHODZHAEV AKH: 2496
M1RKIN BL: 1330, 3073
MIRKOV K: 1675
MISCALENCU D: 2497
M1SCHLER TW: 2351, 3168
MISHINA Y: 2498
M1SHRA L: 602
M1SHRA RK: 2499
M1SKOW1AK B: 2471
M1STILIS SP: 2500
MITCHELL G: 1025
MITCHELL WM: 1978
MITNICK M: 3045-3046
MITROVIC D: 3354
MITSCHKE H: 3199
MITSUFUJI M: 3655
MITSUHASHI Y: 3663
MITTELMAN J: 2501
MIURA K: 2502-2503
MIURA Y: 1167
MIYA TS: 2999
MIYAHARA M: 2504
MIYAI K: 2037
MIYAKE H: 1521
MIYASHITA K: 1169
MIYASHITA M: 1480
MIYAZAKI T: 1163, 2507, 2723, 3395, 4093, 4103
MIYOSHI K: 2505
M1ZEJEWSKI GJ: 2506
M1ZUKOSHI H: 2507
M1ZUKUCHI H: 2546
M1ZUNO M: 2508
M1ZUNO T: 2634, 2757
MIZUTANI K: 2618
MLCZOCH F: 2509
MOAYER M: 2510
MOBLEY P: 576
MOCH1ZUKI M: 3760
MODIANOS DT: 1593
MODIGLIANI E: 2511-2512
MOELLER W: 2022
MOERSLER B: 3109
MOFFAT AC: 2513
MOGA L: 2729
MOGHISSI KS: 2514-2515
MOHRING B: 2516-2518
MOHRING J: 2516-2518
MOISEEV VS: 2519
MOISESCU N: 2654
MOLEN HJ VAN DER: 2583
MOLINARI PF: 2520
MOLL HC: 2584
MOLLENHAUER HH: 2717
MOLLMANN H: 2521
MOLLOY BB: 1172-1173
MOLNAR J: 2522
MOLNAR L: 906
MOLOTCHNIKOFF MF: 3136
MOLTZ H: 2142
MOLTZAHN S: 2521
MOMOTANI N: 2523
MONACO F: 2524-2525
MONADJEM1 W: 2009
MONAGHAN JM: 2526
MONAKHOV NK: 2655
MONASTIRSKY RA: 3310
MONEY J: 2527-2529, 3922
MONFOORT CH: 689
MONGEAU JG: 1711
MONGIN M: 2378
MONKEMEIER D: 2740
MONRO J: 2530
MONROY JR: 2531
MONTAGUE W: 521, 3221
MONTANA E: 2532
MONTGOMERIE JZ: 904
MONTGOMERY DA: 1421
MONTIS G DE: 3064-3065
MONTO RW: 2245
MONTZ R: 2533
MOON YS: 2534
MOOR L: 2535
MOORE DH 2D: 2440
MOORE FB: 754

MOORE GW: 3534
MOORE J: 564
MOORE KE: 3996
MOORE S: 3215
MOORE WH: 2004
MOOSSA AR: 2539
MOQUIN RB: 2971
MORA RJ: 1774
MORACCI E: 2537
MORALES A: 3576-3577
MORALES C: 1275
MORAN EM: 3911
MORAND P: 2539-2539
MORCH T: 2540
MOREAU F: 947
MORELLO DC: 3139
MORETTI ES: 3143
MORETTIN LB: 105
MOREVA EV: 2030
MORGAN D: 2541
MORGAN DP: 2542
MORGAN EH: 4051
MORGAN J: 3909
MORGAN RW: 2543
MORGAN WW: 3056
MORGANE PJ: 2544, 3568
MORGENSTERN LL: 2545
MORI A: 1522
MORI E: 3990
MORI H: 2549
MORI T: 2547
MORI Y: 2549, 3352
MORIKAWA R: 2504
MORIKAWA S: 2549
MORIN H: 325
MORIN JP: 3095
MORIN M: 2990
MORIN P: 2550
MORIN Y: 2551
MORISADA M: 1990
MORISHIMA H: 90
MORITA A: 1589
MORITA C: 2552
MORITA S: 3392
MORITA T: 1997
MORITA Y: 2553
MORITSUKA T: 41
MORIUCHI S: 2554
MORIWAKI H: 2555
MORNEX R: 2909
MOROI K: 3244
MOROWITZ DA: 2559
MORRILL GA: 1997
MORRIS A: 3368
MORRIS BJ: 2557
MORRIS DJ: 2558
MORRIS HG: 2559
MORRIS HP: 969
MORRIS JL: 2804
MORRIS JM: 129, 903
MORRIS JW: 320
MORRIS ML: 2590
MORRISON JB: 2591
MORRISON MJ: 3509
MORRISON SD: 2592
MORRISSEY L: 200
MORROW AG: 3701-3702
MORROW DA: 3989
MORROW J: 2593
MORSCHES B: 1820, 2564
MORTIER W: 2491
MORTON B: 2565
MORTON JJ: 928, 3962
MORVAY J: 1044
MOSCETTI G: 2568
MOSEBACH KO: 1941-1942
MOSER H: 2567
MOSES AM: 2568
MOSES DC: 2325
MOSES HL: 1978
MOSKOWITZ M: 1650
MOSKOWITZ RW: 2569
MOSS DW: 2570
MOSS FJ: 1075
MOSZKOWSKA A: 1298
MOTOKI T: 2733
MOTOO O: 2571
MOTTA L: 3872
MOTTA P: 1424
MOUCHA RD: 2572
MOUDGAL NR: 2339
MOUGEY EH: 1999
MOULLE P: 2119
MOULY R: 202
MOY P: 1183, 1713
MOYANO MB: 1515
MOYYEN S: 3338
MOZHENOK TP: 2573
MRAOVITCH S: 991
MU JY: 927, 1072
MUELLER GC: 2574
MUELLER RA: 2575
MUENZENBERG KJ: 2576
MUGEL JL: 1992
MUGGENBURG BA: 2577, 2897-2888
MUHAFRA J: 729
MUHE B: 1889
MUHLBACH R: 2579
MUHLEN A VON ZUR: 1005, 1947
MUKAI K: 2579-2580
MUKHERJEE BB: 2479
MUKUTSA EV: 2799
MULAREK J: 2581
MULCAHY MT: 2582
MULDER E: 2583
MULDER RH: 1058
MULLEN JL: 3134
MULLER D: 977, 1973
MULLER G: 994, 2172
MULLER OA: 2584
MULLER P: 3588
MULLER R: 1941-1842, 2585-2586
MULLER-EBERHARD U: 3735
MULLHOFER G: 2587
MULLIN EM: 3701-3702
MULROW PJ: 3288
MULRYAN BJ: 2664
MUMBY M: 3776
MUNCH J: 2588
MUNKACSI A: 1982
MUNOZ-GONZALEZ J: 4087
MUNRO DD: 10
MUNSHI SR: 2589
MURA G: 740
MURAD F: 2590
MURAI T: 2591
MURAKAMI D: 2592
MURAKAMI T: 2593
MURANO T: 4079
MURAO M: 1679
MURASE T: 2594
MURATA Y: 2381
MURDAUGH HV: 150
MURDOCH RN: 2595
MURGATROYD AE: 2596
MURIE N: 219, 3439
MURIEL FS: 2841
MUROO M: 3812
MURPHY BE: 2597
MURPHY DL: 2598
MURPHY GP: 3849
MURPHY JJ: 3949
MURR SM: 2599
MURRAY HC: 3293
MURRAY WR: 2600
MUSCHEK LD: 2303
MUSIANI U: 2601
MUSSETT MV: 183
MUSSGNUG U: 3463
MUSTARD JF: 2602
MUSTO N: 207
MUSZBEK L: 2603
MUTALIK GS: 2604
MUTCH MG: 197
MUYARD JP: 2060, 2605
MUZZO S: 2606
MYERS G: 2719
MYERS RD: 2907, 3799
MYERS RP: 2608

N

NABESHIMA Y: 2609
NACHMAN RL: 2610
NAD E: 3642
NADAS AS: 2995
NAFTOLIN F: 2306, 2611, 3185
NAGAHAMA Y: 2612
NAGAI J: 3389
NAGAI K: 2613
NAGAMACHI Y: 2614
NAGASAWA H: 979, 2425, 2615
NAGASAWA T: 2619
NAGATA N: 2617, 3206-3207
NAGATAKI S: 2508
NAGATSU I: 2918
NAGATSU T: 2918
NAGEL TC: 2919
NAGI NA: 2920
NAGLE CA: 3145
NAGLE R: 1098
NAGNIBIDA NM: 2621
NAGODE LA: 3964
NAGY KA: 423
NAGY P: 773-774, 2068
NAHAS GG: 3791
NAIDU TG: 2622
NAIR RM: 2623
NAISMITH WC: 2624
NAITO Y: 2592
NAJEAN Y: 2925
NAJMAN A: 80
NAKADA T: 2746
NAKAGAWA K: 88
NAKAGAWA T: 1698
NAKAGOME Y: 1687-1689
NAKAHAMA M: 705
NAKAI T: 2629
NAKAI Y: 2627
NAKAJIMA A: 2628
NAKAJIMA K: 1166
NAKAJIMA T: 636
NAKAJIMA Y: 1681
NAKAMURA E: 3206
NAKAMURA H: 2629
NAKAMURA I: 2488
NAKAMURA K: 2617
NAKAMURA M: 2630, 3769
NAKAMURA R: 2757, 3630
NAKAMURA RM: 1294
NAKAMURA T: 1953, 2631-2632, 3628
NAKANISHI K: 2733
NAKANISHI S: 2633
NAKANO J: 636, 1986
NAKANO R: 2634, 3761
NAKAO H: 2732
NAKASHIMA T: 36
NAKATA J: 1184
NAKAYAMA R: 1164
NAKAZAWA T: 2635
NAMBARA T: 2636-2637
NAMIKI A: 3660
NANA A: 2338
NANBA M: 3660
NANBU M: 2638
NANCARROW CD: 2639
NANCE WE: 2804
NANKIN HR: 1849
NARANJO GOMEZ A: 2640
NARAYANAN A: 2959
NAROTZKY R: 2641
NARUMI S: 2642
NASELLO AG: 1719
NASEMANN T: 2643
NASJLETI CE: 1491
NASR K: 3051
NATH J: 2644
NATH R: 3017
NATHANIELSZ PW: 2645
NATHANS AH: 1921
NATOCHIN IUV: 2646
NAUJOKS H: 3534
NAVARRO J: 570
NAVIA JM: 2437
NAYAR HS: 2647
NAYER HR: 1090
NEAME RL: 1785
NEAT HJ: 4
NEATHERY MW: 2648
NEBESAR R: 3575
NEDER AC: 254
NEDVIDKOVA J: 2649
NEELAKANTAN C: 634
NEELON FA: 2650
NE'EMAN Z: 1807
NEER EJ: 2651
NEFF JM: 2652
NEFF NH: 1327-1328
NEGM IM: 2653
NEGOESCU I: 2654

NEIFAKH SA: 2655
NEILSEN J: 2656
NELLANS HN: II49
NELLY AM: 3728
NELSON C: 3034
NELSON CL: 2657
NELSON EC: 683
NELSON EW JR: 390-391
NELSON RA: 2658
NEMANIC MK: 292I
NEMEC J: 2659, 3112
NEMETH S: 3871
NENOT JC: 2660
NETAKHATA ZHN: 266I
NETTE L: 2662
NETTER A: 1329, 2484
NETTO ES: 170
NEUBERGER A: I485, 2663
NEUFELD AH: 1934
NEUHAUSER G: 1464
NEUMAN MW: 2664
NEUMAN WF: 2664
NEUMANN HO: 3541
NEUMANN J: 1873
NEURATH H: 1559, 3820
NEURAY J: 190
NEUSPILLER NR: 3145
NEWBERNE PM: 2665
NEWBOULD FH: 2622
NEWSOME FE: 2666
NEWSOME HH JR: 2667
NIALL HD: I30
NICANDER L: 2668
NICHOLLS A: 2669
NICHOLSON DC: 987
NICHOLSON N: 166I
NICHOLSON WE: 461, 2160
NICKELS J: 2670
NICKERSON PA: 267I
NICKOL JM: 3926
NICKORICK E: 2672
NICOLA A DE: 1619
NICOLAIDIS S: 2673
NICOLESCU R: 454
NICOLESCU-CATARGI A: 2674
NICOLIS GL: 2675, 4008
NICOLOFF JT: 3556
NIDECKER A: 991
NIEDERHAUSERN W VON: 1747
NIEDERLE B: 2659
NIEDERMEIER W: 567
NIELSEN FH: 3I22
NIELSEN J: 2676-2680
NIELSEN R: 2681
NIELSEN RC: 1518
NIELSEN SP: 1789
NIELUBOWICZ J: 301
NIERMANN H: 2682
NIESCHLAG E: 2683
NIEWIADOMSKA M: 4042
NIEWIEDZIOL B: 2684
NIGAM JM: 2347
NIGAM VN: 426
NIGAWARA K: 1178
NIGGEMEYER H: 2685
NIGRI MM: 3897
NIHEI R: 1507
NIIYAMA Y: 2686-2687
NIJENSOHN E: 2688
NIKITIN AI: I206
NIKITIN VM: 2689
NIKITINA MM: 2690
NIKUL'CHEVA NG: 2691
NIKULIN AA: 3604
NILSON K: 431, 1278
NILSSON BE: 2692
NILSSON E: 1229
NILSSON IM: 1614, 3631
NILSSON L: 2628
NINOBE S: 3352
NIRMALAN GP: 2693
NISCE L: 808
NISCE LZ: 2795
NISCHIMENKO OV: 3519
NISHIKAWA Y: 148I, 2523, 2694-2695
NISHIMURA M: 2696
NISHIMURA T: 2628
NISHIMURA Z: 3679
NISHINA S: 1690
NISHIOKA R: 1241
NISHIOKA RS: 2612
NISHIYAMA K: 4083
NISHIZAWA R: 90
NISHIZUKA Y: 1702, 4083
NISSEN NI: 2697
NISSLEY SP: 2698
NISTAL M: 727
NISTICO G: 2371
NISWENDER GD: 2196
NITSCHKE U: 2699
NKPOSONG EO: 1604
NOACK W: 2700
NOBIN A: 335
NOBLE HM: 2408
NOEL B: 260
NOEL GL: 1130
NOESLUND G: 2701
NOGAJ U: 2453
NOJIMA T: 4101
NOKES GW: 237
NOLLER S: 385
NOLTE J: 3058
NOLTING S: 358, 2682
NOMURA M: 9
NORDENTOFT AM: 2702
NORDLUND JJ: 2703
NORDMANN J: 1276
NORDMANN R: 1276
NORIEGA L: 1275
NORLAND JF: 4013
NORMAN A: 2343
NORMAN RA JR: 703
NORMAN RL: 2704
NORPOTH K: 2705
NORRIS HT: 2706
NORSTROM A: 2707
NORTH JD: 904
NOSE H: 1923
NOTO Y: 3666
NOTTEBOHM F: 4143
NOUEL JP: 2708
NOUET JC: 2709
NOVAKOVA V: 2937
NOVITSKII VA: 3406
NOVOTNY A: 2710
NOWICKI Z: 2711
NOZICKA Z: I096
NUDEMBERG F: 2712
NUESCH H: 2713
NUGENT CA: 2380
NUKHOPADHYAY M: 3863
NUKUI T: 1704
NUMAN M: 2I42
NUMANO F: 366I
NUNEZ EA: 1239
NUNEZ J: 1213
NUNEZ J: 1774
NUNEZ RV: 3876
NURMINEN T: 2224
NURMIO P: 2714
NUSSAUME O: 3856
NUSSEY A: 3834
NUTTALL FQ: 3356
NYAKAS C: 3674
NYGREN KG: 2715-2716
NYQUIST SE: 2717
NYSTROM JS: 942

O

OAKEY RE: 1582
OBA H: 4073
OBARA K: 2760
OBARA T: 1162
OBAYASHI M: II64
OBERITER V: 2718
OBERMAN Z: 2100
O'BOYLE A: 878
O'BRIEN JS: 2719
O'BRIEN PH: 2720
O'BRIEN RA: 2721
O'BRIEN TG: 2722
OBST JM: 591
OCHI Y: 2723, 3395-3396, 4093, 4103
O'CONNOR JM: 2724
OCZKOWSKI Z: 604
ODA M: 3224
ODA T: 1686
ODENT M: 2725
O'DEY H: 1543
ODINOKOVA VA: 2726
O'DONNELL JM: 2727
O'DONOHOE NV: 1264
O'DOR RK: 2666
OE N: 2728
OEFF K: 396
OELSCHLAEGER H: 2017
OERIU S: 2729
OERTEL GM: 1620
OERTEL GW: 259, 2564, 3273
OGA Y: 3760
OGAMI S: 2730
OGATA E: 273I
OGAWA H: 3660
OGAWA R: 1169, 2732
OGINO K: 2733
OGINO T: 3655
OGIWARA Y: 2734
OGURA C: 2735
OHANIAN C: 2736
O'HANLON JF: 2737
OHLEN J: 2738
OHLENROTH G: 2739-2740
OHLSON L: 2741
O'HOLOHAN DR: 2742
OHQVIST G: 2252
OIJEN JA VAN: 2743
OIZUMI K: 2554
OKA S: 2039
OKA T: 3765
OKABAYASHI T: 2630
OKABE J: I697-I698
OKADA K: I39, 2744
OKADA Y: 2745
OKAMOTO S: 3246
OKANIWA G: 2746
OKAWA K: 1512
OKAZAKI I: 3224
OKINAGA S: 4086
OKITA I: 2733
OKLA J: 2747
OKLADNIKOV IUN: 2966
OKTAY C: 2748
OKUDA H: 1161
OKUDA K: 2749-2750
OKUDAIRA Y: 3803
OKUN R: 1888, 2244
OKUNO T: 2751
OKUYAMA M: 2752
OLAVESEN AH: 1207
OLBRICH G: 2123
OLDING L: 1900
OLDS D: 265
OLER A: I301
OLESON FB JR: 385
OLIVA ALDAMIZ H: 2445
OLIVE PJ: 2753
OLIVEIRA AM: 6I6
OLIVER AP: 1600
OLIVER C: 3440
OLIVER DO: 332
OLIVER GD JR: 509
OLIVER I: 2912, 395I
OLIVEREAU M: 2I33
OLIVIER MARTIN R: 2I47
OLIVO J: 4049
O'LOUGHLIN S: 93I
OLSON CR: 2754
OLSON MO: 4095
OLSSON RA: 4063
OLSZEWSKA D: 2905
OLTEANU L: 2338
OLTEANU M: 898
OMAE T: 36
OMDAHL JL: 384
ONAYA T: 2755
ONESCIUC I: 2917
ONG SD: 2756
ONISAWA J: 2757
ONISHI S: 2758
ONO F: 2759
ONO S: 2760
ONO T: 2761
ONODERA K: 3I18
ONUORA GI: 2762
OOKI T: I909
OPITZ JM: 2719
OPPENHEIMER JH: 3324
OPROIU A: 83, 2763
OPUSZYNSKA T: 414I

ORATZ M: 3153
ORAVEC D: 2764
ORD MG: 3741
ORDONEZ LA: 3127
ORECKLIN JR: 2765
OREKHOVICH VN: 2154
ORFANOS CE: 2766
ORFANOS J: 2136
ORGIAZZI J: 2767
O'RIORDAN JL: 130, 676
ORISHIGE H: 2768
ORLEY J: 1919
ORLOFF J: 1470
ORLOWSKI T: 2769
ORMSBEE HS 3D: 2770
ORNELLAS MR: 667
ORONSKY A: 2399
ORR JS: 1011
ORRENIUS S: 1156
ORSELLI RC: 2771
ORTAVANT R: 2856
ORTEGA E: 1553
ORTH DN: 462, 551, 1978, 2160
ORTIZ GA: 101
ORTS RJ: 268
ORTUNO MIRETE J: 708
ORZALESI MM: 3525
OSAKO F: 1971
OSAWA M: 2772
OSAWA N: 3343
OSBORNE CA: 2773
OSBORNE JW: 3425
OSCHMAN JL: 2774
OSEID S: 2775, 3517
O'SHEA JD: 2776
O'SHEA T: 2777
OSHIMURA M: 3658
OSLANDER L: 583
OSLER M: 1631
OSLER W: 2778, 2822, 2954
OSSENKOPP KP: 2779
OSTERMAN J: 2780
OSTERMAN PO: 2781
OSTHEIMER GW: 1415
OSTROVSKII AB: 1224
OSTROWSKI A: 1948
OSTROWSKI K: 2782
OSUNTOKUN BO: 2783
OSZTOVICS M: 1919
OTAKE M: 2755
OTANI A: 153
OTORII T: 2784
OTSU Y: 1520
OTSUKA K: 2728
OTT CE: 2267
OTTE P: 2785
OTTENI F: 2455
OTTO W: 2786
OVADIA J: 787
OVERSTREET JW: 240, 2787
OVERTURF M: 2788
OWEN FR: 395
OWEN P: 2513
OWENS IS: 2789, 3765, 3894
OWMAN C: 1440
OXENDER WD: 3789
OYAMA C: 2309
OYAMA K: 3628
OYAMA T: 2768, 2790
OZAKI M: 2791
OZAKI N: 1480
OZAND PT: 1839
OZON R: 371, 2792

P

PACE-ASCIAK C: 1266
PACHAS WN: 321
PACHECO H: 1391
PACK A: 1347
PACKHAM MA: 2602
PADMANABHAN V: 2956
PAGE E: 2268, 2793
PAGE LB: 2794
PAGE W: 3854
PAGET S: 2016
PAGLIA MA: 2795
PAI R: 2796
PAJOT A: 2041
PAJSZCZYK-KIESZKIEWICZ T: 2797
PAKSZYS W: 2798
PALEI AA: 3743
PALINSKA-WEESE Z: 3422
PALKOVIC M: 1939
PALKOVITS M: 908
PALLADI GA: 2799
PALLAUF J: 2800
PALLO D: 3897
PALLOTTA D: 2801
PALMA JA: 2802
PALMA-CARLOS AG: 2803
PALMER CG: 2804
PALMER KN: 1190
PALMER P: 2824
PALMIERI GM: 3731
PALMITER RD: 2805
PALTI Z: 248
PAN S: 1849
PANAIOTOV D: 1960
PANAITESCU G: 2806
PANARETTO BA: 2807
PANCOE WL: 1047
PANDE BS: 3448
PANDE RS: 2808
PANDOS PG: 1989
PANETTIERE F: 2809
PANJNANI AK: 3676
PANKSEPP J: 2810
PANT HC: 2811
PAOLELLA GB: 529
PAPADAKIS J: 3853
PAPADIMITRIOU K: 1830
PAPALIA D: 3872
PAPKOFF H: 1052, 2169
PAPP Z: 1201, 2812
PAPPAS BA: 2813
PAQUAY R: 2814
PARACHE RM: 61
PARADYSZ A: 1931
PARASHCHAK AP: 2815
PAREKH M: 2141
PARIKH I: 2020-2021
PARIKOVA V: 2816
PARIS JE: 2817
PARISI M: 2818
PARISIER H: 3461
PARK KR: 2819
PARKE DV: 588, 1452
PARKE L: 302
PARKER CW: 1731
PARKER RA: 3
PARKER RT: 1461
PARKES CO: 2666
PARKES MF: 1782
PARKIN JM: 2820
PARLOW AF: 1886, 3402
PARROT RF: 2821
PARRY CH: 2778, 2822, 2954
PARULEKAR MR: 3451
PARVEZ H: 2823
PARVEZ S: 2823
PASCAUD M: 2177
PASCHEN K: 1433
PASCHEWA M: 1973
PASCUAL C: 381
PASCULESCU G: 1055
PASHLEY DH: 2824
PASOTTO A: 799
PASQUIER RIVERO DA: 2825
PASSARGE E: 2826
PASTA P: 558
PASTAN I: 2633
PASTERNACK A: 2827
PATANELLI DJ: 3014
PATCHETT AA: 3014
PATEK E: 2828
PATEL NC: 3514
PATEL V: 3409
PATERSON CR: 2829
PATERSON JY: 1498
PATERSON Y: 2830
PATHOMVANICH O: 2831
PATKAY J: 2832
PATNER A: 544
PATRI B: 2087
PATTERSON D: 2833
PATTERSON DA: 2513
PATTILLO RA: 1669
PATTON JT: 1495
PATTOU E: 1574
PATWARDHAN VV: 2834
PAUL D: 536
PAUL DH: 807
PAULEY GB: 2835
PAULINI K: 2836
PAULSEN CA: 546
PAUMGARTNER G: 2837
PAUNIER L: 3460
PAUPE J: 2838
PAVAN-LANGSTON D: 2839
PAVLOVIC-HOURNAC M: 2840
PAVLOVSKY A: 2841
PAVLOVSKY AA: 2841
PAVLOVSKY S: 2841
PAVYZA O: 3156
PAWLICKI R: 2711
PAWLOWITZKI IH: 2842-2843
PAXINOS G: 2844
PAYNE AH: 2845
PEARCE WG: 2846
PEARLMAN T: 1317
PEARSON FG: 1300
PEARSON JK: 2847
PEARSON PL: 2843
PEART WS: 3, 3843
PEBERDY JF: 3380
PECH A: 2848
PECHERY C: 325
PECK EJ JR: 670
PECK GL: 2849
PECORINI V: 4125
PEDERNERA EA: 2850
PEDERSEN JF: 1618
PEDERSEN PH: 2089, 2851
PEDRAZZINI S: 731
PEDRINI-MILLE A: 722
PEDROZA E: 3145
PEETERS FL: 2852
PEILLON F: 2853
PEJIN D: 70
PEKKARINEN A: 1022
PELARDY G: 2854
PELC B: 2855
PELLETIER G: 945
PELLETIER J: 747, 1595, 2856-2857, 3727
PENA SD: 2858
PENALVER J: 2841
PENARDI R: 1886
PENASSE W: 2859
PENCEA V: 2860
PENDL G: 2861
PENER MP: 2862
PENG MT: 2863
PENG YM: 2863
PENKOSKE M: 3608
PENN I: 2864
PENNINGTON GW: 1247, 3349
PENNINGTON LL: 1988
PENNINGTON RJ: 2865
PENNOCK PW: 1102
PENTTINEN R: 2866
PEPERZEEL HA VAN: 2867
PEPPER RT: 2868
PERACHIO AA: 47, 2869
PERALTA A: 727
PERASSI NI: 2802
PERDRIX A: 3897
PERDUE JF: 511
PEREK M: 3027
PEREZ G: 2870
PEREZ CANO R: 4067
PEREZ-MESA CM: 912
PERINI G: 1054
PERKINS J: 1124
PERKINS JP: 2291
PERLEMUTER L: 1195
PERLIN E: 2871
PERLMAN A: 248
PERLMAN RL: 3961
PERLOW M: 416
PERRIN J: 2909
PERRIN RG: 1942
PERROTTO BM: 2872
PERRY BH: 2440
PERRY GS: 1070
PERRY M: 351
PERSIANINOV LS: 2873
PERSIJN JP: 2874
PERSINGER MA: 2779
PERSSON B: 2252, 2875

PERSSON BH: 2716
PERSSON CG: 77
PERT CB: 2876
PERUZZOTTI GP: 3429
PERZIN KH: 535
PESENDORFER F: 2877
PESKAR B: 2456, 2878
PESQUIES P: 2879
PETEJA J: 2880
PETER RE: 1777
PETERS HD: 897
PETERSEN GB: 2678
PETERSON PA: 3826
PETRANYI G: 1066
PETRESCU-HOLBAN R: 2881
PETRIE GR: 1190
PETRINOVICH L: 2882
PETRO Z: 3185
PETROSILIUS U: 2418
PETROVIC A: 540, 2188
PETTAVEL J: 1747
PETTER AJ: 2883
PETTY TL: 2405
PETUSHKOVA TN: 1895
PEYRON JG: 2884
PEYTREMANN A: 2885
PEZE W: 874
PEZZINO V: 3872
PFAENDER BI: 1248
PFAFF DW: 4143
PFANNENSTIEL P: 1668
PFEIFFER DR: 2886
PFEIFFER EF: 1063
PFISTER G: 1404
PFLEGER RC: 2577, 2887-2888
PHADNIS VK: 3006
PHALEN GS: 2657
PHANICHYAKARN P: 2947
PHARES CK: 2889
PHARRISS BB: 2890
PHEMISTER RD: 2891
PHILIP A: 562
PHILIPP T: 902
PHILIPPE E: 1439, 1827
PHILIPPI A: 4050
PHILLIPS AD: 702
PHILLIPS AG: 2892-2893
PHILLIPS DR: 2894
PHILLIPS JG: 593, 641
PHILLIPS-QUAGLIATA JM: 2992
PHORNPHUTKUL C: 2895
PI-SUNYER FX: 2896
PIASECKI G: 3096
PICADO C: 573
PICCINNI ZF: 2818
PICHARD AL: 2897
PICHLMAIER H: 1381, 1805
PICKARDT CR: 2898-2900
PICKERING BT: 1777-1778
PIEAU C: 3031
PIECHOCKI JT: 2241
PIERCE DA: 428
PIERCE LE: 2901
PIERNIKOWSKI Z: 2905
PIERPAOLI W: 1039
PIERQUIN B: 164
PIERRE TS: 910
PIERREPOINT CG: 3150
PIETRUSZKO R: 2902
PIGON H: 2361
PIKE JE: 2189, 2903
PIKE MC: 3746
PIKLER GM: 1757, 3584
PIKULEV AT: 628
PILAPIL VR: 2904
PILAWSKI Z: 2905
PIMSTONE B: 2906
PIMSTONE BL: 2151
PINEDA MH: 2907
PINELLI J: 1212
PINERO GJ: 2908
PINET A: 2909
PINGITORE R: 2910
PINGLETON WW: 2911
PINKHAS J: 2912
PINTER J: 2913
PION RJ: 2914
PIPER DW: 2915
PIRAS MM: 2916
PIRAS R: 2918
PIRVU C: 2917
PISANI G: 2918
PISANTI N: 2919
PISAREK-MIEDZINSKA D: 2920
PITCOCK JA: 2973
PITELKA DR: 2921
PITIS M: 2922
PITOT HC: 2923
PITTMAN JG: 2924
PITTON R: 1195
PITZELE S: 2925
PIVA F: 2926, 3558
PIZIAK VK: 2927
PIZZARRO YA: 3485
PLAA GL: 515, 1700
PLASMEIJER JH: 1831
PLASSCHAERT AJ: 2540
PLASSE JC: 2202
PLATT D: 2928
PLATTHY G: 2877
PLATZBECKER H: 2929
PLAUT SM: 2930
PLAUT W: 2014-2015
PLENK H JR: 4161
PLETSCHER A: 817-818, 2721
PLEWIG G: 2931
PLISCHEWSKY K: 2521
PLISKA V: 3172
PLOTTI G: 2932
PLOTZE G: 3900
PLUMMER N: 3407
POBLETE M: 2933
POCHACZEVSKY R: 4105
PODACK ER: 2934
PODOS SM: 231
PODYMOV VK: 3251
POEMNYI FA: 2935
POHL DR: 4057
POHL G: 2936
POHL SL: 330
POISSON J: 2378
POKORNY J: 2937
POKRAJAC N: 2780
POLACK FM: 548
POLAKOSKI KL: 4124
POLAND JL: 2938
POLAND RE: 2939
POLANO MK: 2940
POLENOV AL: 2941
POLIANSKI J: 3611
POLISHUK WZ: 272
POLL W: 1539
POLLAK E: 2942
POLLARD I: 3591
POLLER L: 2943
POLLIACK A: 2944
POLLONO F: 2945
POLONOVSKI C: 570
POLOSA P: 3872
POLYA L: 3275
POMERANCE J: 2946
PONEC J: 2081, 2187
PONGPANICH B: 2947
PONGSEHIRUN D: 2370
PONSETI IV: 722
POON MC: 2948
POORT HW: 440
POPA M: 1107
POPA N: 2654
POPE RA: 787
POPESCU EA: 2806
POPESCU LM: 889
POPESCU M: 2572
POPOVTZER MM: 2949
POPPENS CA: 1307
POPPIUS H: 42
PORTE A: 3583
PORTER GA: 2950
PORTER P: 2951
PORTERS JE: 2470
POSKALENKO AN: 2952
POSNER M: 3510
POST E: 4068
POSTELNICU D: 2953, 3693
POSTER MF: 2778, 2822, 2954
POSTGATE JR: 521, 930
POTCHEN EJ: 3608
POTTER DE: 986
POTTS GO: 3260
POTTS JT JR: 130
POTVLIEGE R: 841
POULOS A: 2955
POULOSE KP: 2956
POUSSIN A: 1660
POUTASSE EF: 2368-2369
POVOA LC: 2957
POVOLOTSKAIA GM: 1972
POWELL GM: 1207
POWELL JE: 2958
POWERS M: 4033
POWIS G: 342
PRADET A: 2959
PRAGER R: 2423, 4148
PRAGER W: 3695
PRANCHEV N: 2960
PRASAD KN: 2961-2962
PRASAD MR: 3231
PRASAD N: 509
PRASAD RS: 2963
PRATT RM: 3351
PRATT-JOHNSON JA: 2964
PRAZMOWSKA B: 490
PREIBISZ J: 2965
PREISSIG S: 936
PRESENT DH: 3198
PRESLOCK JP: 2966
PRESTO AJ 3D: 2967
PRESTON AS: 1470
PREUD'HOMME JL: 290
PREUSCHOFT H: 2968
PREUSS F: 480
PREUSSMANN R: 2969
PREZIOSI P: 3257
PRIBLUDA BA: 2970
PRIBYL T: 2971-2972
PRICE RA: 3575
PRICHARD MM: 809
PRIDGEN WR: 2973
PRIEUR M: 3068
PRIKHOZHAN VM: 1142
PRINDULL B: 2974
PRINDULL G: 2974
PRINTZ JL: 2975
PRIVETT OS: 3677
PRODANOV A: 173
PRODI G: 895
PROKOF'EVA LI: 2976
PROKOPOVA D: 2977
PRONICKI B: 2905
PROP FJ: 2978
PROPPING P: 2979
PROPST S: 2980
PROSNITZ LR: 2981
PROST A: 2494
PROTICH M: 1960
PROUDFOOT AT: 1783
PRUNTY J: 2269
PRUSIK Z: 2982
PRUSSIN SG: 1474
PRYOR WH JR: 2983
PRYOR WJ: 2984
PTICE P: 3429
PUCCETTI F: 1111
PUIZILLOUT JJ: 2985
PUJOL JF: 353
PUKHOVA IAI: 2986
PULAY T: 2068
PULGRAM A: 2987
PULITO AR: 2988
PULKKINEN MO: 778
PURANDARE TV: 2589
PURI A: 643
PURNELL DC: 3303
PURSCHEL W: 2989
PURVIS JL: 2438
PURVIS K: 2990
PUUSKA M: 1488
PUVIANI R: 945

Q

QUADRI SK: 2425, 2991
QUAGLIATA F: 2992
QUASTEL DM: 718
QUASTEL JH: 3360
QUATEMBER R: 467
QUAY WB: 2163
QUEIROZ FP: 3633
QUENEAU P: 410
QUESADA O: 1456

QUILLIGAN EJ: 178
QUINBY WC: 2266
QUINTERO R: 2119, 2363
QUIRK JG: 1364

R

RABE H: 2740
RABIN BR: 356
RABIN LS: 2381
RABINOWITZ B: 2993
RABINOWITZ D: 248, 3532
RABITO C: 2994
RABKIN R: 1808
RABOCH J: 2995
RABSON AS: 1915
RACHITSKAIA IV: 1972
RACHMELER M: 1150
RADCLIFFE WB: 3813
RADEV AI: 2996
RADHAKRISHNAN AN: 2050
RADUT M: 3888
RADZISZEWSKI J: 2327
RAESIDE JI: 2534
RAFFETTO JR: 2997
RAGER K: 1404
RAGGIO JF: 2998
RAGNI G: 835
RAHWAN RG: 2999
RAJ HG: 2339
RAJARAMAN R: 3000
RAJKOVIC V: 72
RAJMANN E: 3001
RAKHIMOV M: 3792
RALCHEV KKH: 119
RALL TW: 3002
RALSTON GB: 2293
RAMALINGASWAMI V: 3003
RAMBAUD JC: 2494
RAMIREZ-GONZALEZ RE: 538
RAMIREZ-MUXO O: 538
RAMOS OL: 661, 3193
RAMSDELL JW: 3953
RAMSDEN RO: 2185
RAMSEY TA: 3004
RAMZAEV PV: 805
RANADE VV: 2647
RANADIVE KJ: 2798
RANCEWICZ Z: 2789
RAND AG JR: 114
RAND MJ: 124
RANDALL TW: 1011
RANDLE PJ: 125
RANDY HA JR: 1340
RANGARAJAN NS: 2515
RANSHAW J: 4107
RANSON JH: 3177
RAO BR: 3005
RAO GS: 3006, 3320
RAO JM: 3039
RAO KV: 3886
RAO M: 3007
RAO ML: 3008, 3320
RAO SS: 2589, 3008, 3718
RAOUL Y: 487
RAPOPORT B: 3009
RAPP GW: 3010
RAPP JP: 3011
RASIO E: 3837
RASKA K JR: 3012
RASMUSSEN H: 1646, 3013
RASMUSSEN P: 2193
RASMUSSON GH: 3014
RASSAERT CL: 901
RASSNER G: 3015
RASTOGI GK: 3016-3017
RASTOGI L: 3017
RASTOGI RC: 3018
RASTOGI RK: 3019
RATCLIFFE JG: 3550
RATLIFF CR: 3020
RATNER H: 4105
RATTAN S: 1338
RATTAZI T: 1146
RATZKOWSKI B: 3021
RAUEN HM: 2705
RAUSCHECKER H: 3096
RAUSCHER W: 2456
RAUSKOLB R: 3022
RAUTLIN DE LA ROY Y DE: 1272
RAUTA I: 3023
RAVAGLIA C: 3024
RAVDIN RS: 1302
RAVE O: 3025
RAVEENDRAN M: 15
RAVEL R: 3026
RAVONA H: 3027
RAWITCH AB: 3028
RAWLINGS NC: 3029
RAWSON JM: 939
RAY GR: 3030
RAYCHANDHURI B: 634
RAYMAN MK: 2214
RAYMOND P: 2959
RAYNAL M: 164, 2463
RAYNAUD A: 3031
RAYNAUD JP: 3032
RAYNER PH: 1758
RAYSSIGUIER Y: 2091
RAZ A: 505, 3033
RAZIN S: 1807
RAZZANO CD: 3034
READ VH: 3035
REAGAN RL: 1503
REASONS RH: 3036
REBEDEA D: 55
REBERT CS: 3560
REBHUN LI: 2644, 3037
REBIERE A: 3038
RECH RH: 3637
RECHLER MM: 474
RECKER RR: 2997
REDDING T: 839
REDDING TW: 751
REDDY PR: 3039
REDDY V: 3185
REDDY YS: 1624
REES RJ: 3040
REFETOFF S: 3096
REFSDAL AO: 3041
REHERT GM: 3042
REHOR J: 3043
REHOVSKY DA: 3930
REICH L: 2914
REICHERT LE: 183
REICHERT LE JR: 3044
REICHLIN S: 3045-3046
REID G: 923
REID IM: 3047-3048
REID IW: 1190
REID JL: 526
REID L: 3612
REIDBORD HE: 3049
REIMER G: 3050
REINA JC: 476
REINBERG A: 92
REINHOLD JG: 3051
REINOLD E: 3052
REISNER RM: 3232
REISS AM: 2266
REISS E: 542
REISS M: 1081
REITER EO: 1303, 3053-3054
REITER RJ: 354, 3055-3057
REITH A: 3058
RELKIN R: 3059
REMINE WH: 3294
REMINGTON JA: 3060
REMY JM: 2086, 2258
RENAUD R: 3061
RENAULD A: 3062
RENFREE MB: 3063
RENNIE MJ: 1770
RENOUX M: 3064-3065
RENTSCHLER R: 1292
REOLON M: 3066
REPKE DI: 1857, 1911
RESCH B: 3649
RESKO JA: 1336
RESTALL BJ: 1531, 2639, 3067
RESTIAN A: 3888
RESTUCCIA P: 900
RETHORE MO: 3068
REUSCH E: 1477
REUTER SR: 3069
REUTTER W: 1345, 3070
REVIERS MM DE: 747, 1595
REVUELTA A: 739
REY-PIAS JM: 3071
REYNOLDS CL: 3072
REYNOLDS DG: 2301
REYNOLDS FB: 2672
REYNOLDS GF: 3014
REYNOLDS JW: 3073
REYNOLDS R: 3070
REZEK DL: 3994
RHAMY RK: 3074
RHOADS RE: 3075
RHODES CT: 3404
RHYNER K: 3874
RHYNES WE: 3076
RI N: 2757
RIBACKE M: 1040
RIBEIRO WO: 3737
RICCI V: 3077
RICE NS: 957
RICE-WRAY E: 2352, 3078
RICH TD: 1765
RICHARD P: 4133
RICHARDS C: 150
RICHARDS JF: 3734
RICHARDSON DJ: 2255
RICHARDSON KT: 3079
RICHARDSON SG: 433
RICHMAN A: 2491
RICHTER J: 2738
RICKARD PA: 1075
RICKER JH: 668
RICO T: 1251
RIDER AA: 647
RIDGE D: 356
RIDSDALE S: 3080
RIECKEN EO: 3081
RIEDERER J: 3082
RIEGEL K: 3083
RIEGLE GD: 3941
RIES J: 3084
RIETTI CT: 3117
RIETVELD WJ: 1058, 3609
RIEU M: 3085
RIGAUDIERE N: 2854
RIGG G: 2269
RIGGS BL: 3303, 3450
RIIS P: 323
RILEY DJ: 3086
RINALDI A: 859
RING A: 3087
RING EJ: 3088
RINNE UK: 1818
RINTOUL D: 2563
RIOULT J: 2066
RIPPEL RH: 1164
RISCHAK G: 2913
RISSER WL: 3089
RITCHIE WP JR: 3090
RIVETZ B: 3615
RIVIER J: 1343, 2197, 3834
RIZVI SN: 3828
ROAN CC: 2542
ROBBINS J: 2524-2525
ROBBINS PW: 3209
ROBERT F: 1414, 1575
ROBERT M: 1660
ROBERTS AB: 385
ROBERTS FM: 120
ROBERTS KD: 370
ROBERTS MH: 192
ROBERTSHAW D: 3091
ROBERTSON EG: 3092
ROBERTSON HA: 3093
ROBERTSON JI: 826, 1893, 3094, 3962
ROBERTSON PB: 3095
ROBIN M: 3704
ROBIN NI: 3096
ROBINETTE J: 2949
ROBINS RK: 2482
ROBINSON DA: 1666
ROBINSON E: 1436
ROBINSON ES: 3565
ROBINSON GA: 2693
ROBINSON HP: 3097
ROBINSON J: 767
ROBINSON JJ: 1131
ROBINSON MJ: 3098
ROBINSON PA: 3099
ROBISON OW: 3100, 3641
ROBLES F: 3101
ROBLES GIL J: 3102
ROBSON JS: 675
ROBYN C: 3860

ROCARD E: 3176
ROCHA E SILVA M JR: 1024
ROCHE FM: 1105
ROCHE J: 2871
ROCHEFORT H: 3103-3104
ROCHEMAURE J: 3105
ROCKL H: 3106
RODER K: 3107-3108
RODERMUND OE: 3109
RODRIGUES J: 2957
RODRIGUEZ JA: 201
ROELFSEMA F: 328
ROESKE NA: 3110
ROGERS ME: 3111
ROGERS RR: 1063
ROGINSKY MS: 696-697
ROGOWSKI P: 3423
ROHACOVA J: 2971-2972
ROHLING S: 3112
ROHRSCHNEIDER I: 3113
ROJAKOVICK AS: 3114
ROJO-ORTEGA JM: 3115
ROLAND DA SR: 3116
ROLDAN AG: 3117
ROLFE B: 3118
ROLLAND M: 3119
ROLLS BJ: 3120
ROLLS ET: 3121
ROLSCHAU J: 3122
ROM-BUGOSLAVSKAIA ES: 3123
ROMAIN R: 3124
ROMANENKO VN: 3767
ROMANINI C: 2932
ROMARY F: 3611
ROMBOUTS JJ: 3125
ROMER BA: 3126
ROMER TE: 3126
ROMERO JA: 3127
ROMERO JC: 3128
ROMERT P: 1211
ROMMEL K: 3707
RONAY P: 906
RONDON AJ: 715
RONNOV-JESSEN V: 3129
RONZONI P: 2566
ROOF BS: 3130
ROOS J: 3868
ROOT AW: 3131, 3927
ROOYEN RJ VAN: 316
ROQUES M: 3132
RORAT E: 2141
ROSA A: 2147
ROSA JC DA: 3133
ROSA U: 2337
ROSADO A: 1562
ROSANO TG: 1779
ROSATO EF: 3134
ROSATO FE: 3134
ROSCA L: 2806
ROSE JD: 3135
ROSE NR: 3136, 3973
ROSE RC: 1149
ROSEMAN TJ: 3137
ROSEMBERG E: 163
ROSEN F: 1609
ROSEN OM: 1326, 3163-3164
ROSEN P: 3138
ROSEN SW: 3961
ROSENBAUM RW: 3139
ROSENBERG HS: 1913
ROSENBERG LE: 3403
ROSENFELD CR: 3140
ROSENFIELD RL: 943
ROSENKRANZ W: 3141
ROSENSON LM: 3142
ROSENTHAL A: 2895
ROSENTHAL J: 454
ROSENTHAL MW: 3143
ROSENTHAL O: 3276
ROSES AD: 3144
ROSNER DR: 3953
ROSNER JM: 3145
ROSS A: 3146
ROSS GT: 434, 1303
ROSS JW: 3147
ROSSEN RD: 1323
ROSSI CS: 3148
ROSSI G: 3149
ROSSI R: 685
ROSSIER A: 3068
ROSSIER G: 3150
ROSSO AM: 3728
ROSSO P: 3861
ROSTAFINSKA J: 3151
ROSZKOWSKI I: 2920
ROTH H: 3152
ROTH J: 98, 1214
ROTH JA: 3442
ROTH JJ: 1766
ROTH LJ: 883
ROTHBERG PF: 3351
ROTHE R: 3282
ROTHSCHILD MA: 3153
ROTHWELL TL: 3154
ROTLEDER AM: 1413
ROTSZTEJN W: 1298
ROTT HD: 1379
ROUER E: 1573
ROUIT H: 3155
ROUNTHWAITE FJ: 475
ROUS J: 3156
ROUSE BT: 517, 3157
ROUSH BW: 1172
ROUSSEAU G: 3158
ROUSSEL JD: 2908
ROUSSELET M: 3569
ROUSSET B: 2767
ROUTTENBERG A: 3233
ROUX H: 3440
ROUX M: 325
ROVER HF: 994
ROWDEN G: 2314
ROWINSKA D: 2769
ROWINSKA D: 3159
ROWINSKI J: 1976
ROWLAND LO JR: 3160
ROWLAND RG: 922
ROY AB: 1207
ROYER P: 3161
ROZIJN TH: 689
ROZOWSKA E: 3643
RUBENS RD: 3162
RUBIN CS: 3163-3164
RUBIN P: 3165-3166
RUBIN RT: 2939
RUBIN RW: 3167
RUBIO B: 3168
RUBIO N: 3821
RUBIO PEREZ P: 2445
RUCKHABERLE B: 3169
RUCKHABERLE KE: 3169
RUDALI G: 3170
RUDAS B: 3171
RUDER HJ: 1376
RUDINGER J: 3172
RUDY LW JR: 3173
RUDY RL JR: 640
RUDYK IN: 3174
RUEDI B: 1225
RUEGAMER WR: 2889
RUEGG M: 3175
RUHFUS A: 689
RUIBAL G: 3876
RUITTON A: 3176
RUNNE U: 2766
RUOFF M: 3177
RUPPEN M: 1679
RUSHTON DI: 3178
RUSKOVA S: 3179
RUSS D: 3927
RUSS SB: 3490
RUSSELL DH: 3180
RUSSELL JJ: 3143
RUSSELL RI: 1076
RUSSELL TR: 3181
RUSSFIELD AB: 2266
RUSSOLO M: 3077
RUSTED IE: 880
RUSTEN GW: 1915
RUTLEY B: 1354
RUTTE B VON: 3162
RUTTER LF: 262
RUZICKA F: 3163
RYAN CF: 2770
RYAN D: 2243
RYAN JN: 3184
RYAN KJ: 2611, 3185, 3393
RYAN M: 3186
RYAN RJ: 163, 1245, 3816
RYBAK B: 1759
RYBAKOWA M: 3167
RYDER-DAVIES P: 3188
RYFFEL G: 3169
RYON M: 410
RYSCHKEWITSCH W: 2296
RYZEWSKI J: 3190
RYZHENKOV VE: 3191-3192
RYZHOVA TI: 1697
RZEPECKI J: 3644

S

SAAD FA: 3193
SAARI JT: 3194
SAATOV T: 3195
SABADI V: 2718
SABAEV VV: 3196
SABETGHADAM R: 2675
SACCANI F: 3197
SACHAR DB: 3198
SACKEYFIO AC: 1584
SADGOPAL A: 1320
SADRIEH J: 2358
SAEGER W: 3199
SAEGESSER F: 404, 1747
SAEGUSA K: 1815
SAEZ J: 2767
SAFAR M: 156, 1388, 3105
SAGARA Y: 4100
SAGEL J: 1808
SAGREYA K: 3829
SAHLEANU V: 2953, 3200
SAI FT: 3201
SAIDAMETOV MA: 3196
SAINANI GS: 3202-3203
ST CYR MJ: 3204
SAINT-MARTIN J: 3205
ST PAUL H: 1238
SAINTOT M: 3716
SAIRAM MR: 1052, 4089
SAITMURATOVA O: 3792
SAITO N: 3576
SAITO S: 1923, 3206-3207
SAITO T: 3253
SAKAGAMI M: 1163
SAKAI H: 1676
SAKAI K: 2687
SAKAI KK: 3208
SAKAI Y: 1522
SAKAMOTO S: 2508, 2546, 2626
SAKIYAMA H: 3209
SAKO F: 1589
SAKSENA SK: 3210
SAKURAI Y: 4086
SALABE GB: 3211
SALAMANNA S: 900
SALAMONSEN LA: 1775
SALDANA M: 3086
SALDANHA VF: 3566
SALGANIK RI: 3212
SALIBIAN A: 1916
SALIS-SAMADEN R: 2936
SALM R: 3213
SALMON WD JR: 3214
SALNIKOW J: 3215
SALTET JF: 3216
SALUJA PG: 3217
SALVATI A: 3218
SALVATORE G: 3149
SALVETTI A: 2337
SALZMAN E: 1032
SALZMAN EW: 3219
SALZMAN NP: 2069
SAMAAN NA: 1208, 1586
SAMARINA AG: 3220
SAMBUCO E: 2916
SAMPIERE VA: 767
SAMS DJ: 3221
SAMSONOVA ML: 3222
SAMUELS L: 348
SAMUELSSON B: 3223
SANADA N: 1162
SANBE K: 3224
SANCHEZ FAYOS J: 2445
SANCHO JM: 3204
SANCIN A: 4129
SANDER G: 3037
SANDER J: 3225
SANDER S: 3225
SANDER W: 3226

SANDERSON C: 3227
SANDHAGE K: 2685
SANDHU DK: 3228
SANDHU RS: 3228
SANDLER L: 2340
SANDLER M: 3370
SANDLER SW: 3229
SANDOR T: 935, 1059, 2121
SANDRITTER W: 3534
SANFORD KK: 3230
SANKAR DV: 2040
SANKARAN MS: 3231
SANO R: 3789
SANSONE-BAZZANO G: 3232
SANTIAGO HE: 535
SANTOLAYA RC: 447
SANTORO JP: 3885
SANTOS RM: 3233
SANTTI RS: 3234
SANWAL BD: 2214
SANWAL R: 3235
SANY C: 3348
SANY J: 3348
SANYAL MK: 3236
SANZENBACHER LJ: 3459
SAPRONOV NS: 243, 3192
SARKADY H: 2764
SARLES H: 3237
SARNECKA-KELLER M: 2711
SARTI F: 799
SARTOR P: 3238
SARTWELL PE: 3239
SAS M: 1044, 3240
SASAKI C: 2502
SASAKI K: 1997
SASSARD J: 3879
SASSE W: 3241
SASSOON HF: 3242
SATO A: 2755
SATO H: 3394
SATO K: 1480, 2592, 2790
SATO T: 2503, 2548, 3243-3244
SATO Y: 3245, 3803
SATOMI Y: 3246
SATONE T: 2309
SATRE M: 3247
SAUCIER R: 182
SAUDUBRAY JM: 570
SAUDUDDIN S: 3510
SAUER LA: 3248
SAUER RM: 4152
SAUMANDE J: 2135
SAUTTER V: 1575
SAUVIAT MP: 629
SAVAGE M: 3501
SAVARY JB: 864
SAVEL'EVA AV: 3249
SAVIN JA: 3250
SAVINA EA: 3251
SAVINA LV: 3252
SAVOIE JC: 2396
SAVULESCU V: 2115
SAVULESCU V: 2806
SAVY JM: 2060
SAWADA T: 1853
SAWANO S: 3253
SAWHNEY AN: 3254
SAWMILLER S: 2657
SAWYER CH: 993, 2704
SAYCE CS: 2835
SAYERS G: 3255, 3337
SAYLAN T: 2370
SAYLOR WL: 787
SCANES CG: 3256
SCANLON J: 3477
SCAPAGNINI U: 3257
SCARAMUZZI RJ: 1886
SCARPA A: 662
SCEMAMA A: 1298, 3258
SCHAAF M: 2241
SCHADEBERG A: 2929
SCHADLOW AR: 3324
SCHAEPPI UH: 2386
SCHAFER G: 3539
SCHALEKAMP MA: 826
SCHALL WD: 769
SCHALLY AV: 103, 751, 839, 1386, 1851-1852, 2442, 2623, 3259, 3847, 4130
SCHANE HP: 3260
SCHAPIRA G: 3261
SCHARKOFF T: 3282
SCHECHTER SL: 3263
SCHELL J: 3118
SCHELL-FREDERICK E: 3118
SCHELLEKENS AP: 328
SCHELLEN TM: 3264
SCHENKEL-BRUNNER H: 3265
SCHENKER S: 438
SCHER J: 3266
SCHERER B: 3267
SCHERLE H: 3777
SCHERMANN J: 2957
SCHIFF D: 3268
SCHIFF M JR: 3269
SCHILLING K: 3270
SCHIMKE RT: 3075, 3271
SCHINDLER I: 1106
SCHINDLER WJ: 710
SCHINELLA RA: 3272
SCHINKO I: 3113
SCHIPHOF R: 689
SCHIRAZI MA: 3273
SCHLAEGEL TF JR: 3274
SCHLAMMADINGER J: 3275
SCHLEIERMACHER E: 3276
SCHLESINGER M: 3277
SCHLEYER H: 3278
SCHLIENGER C: 1679
SCHLIEP HJ: 3913
SCHLIERF G: 3279
SCHLIMME E: 3539
SCHLONDORFF G: 3280
SCHLUTER G: 3534
SCHMID F: 1261
SCHMID FG: 606
SCHMID J: 1879
SCHMID KO: 43
SCHMIDT CG: 1601
SCHMIDT CR: 3281
SCHMIDT GA: 1812-1813
SCHMIDT HW: 2766
SCHMIDT J: 893, 3991
SCHMIDT P: 1299, 3282
SCHMIDT PK: 893
SCHMIDT R: 845
SCHMIDT RE: 372
SCHMIDT SY: 3283
SCHMIEDEK P: 3113
SCHMITT G: 3284
SCHMITT P: 961, 3285
SCHNATZ JD: 1850
SCHNEBLI HP: 3286
SCHNEEWEISS B: 552
SCHNEIDER D: 3287
SCHNEIDER E: 1811
SCHNEIDER FH: 3911
SCHNEIDER G: 3288
SCHNEIDER HP: 3289
SCHNEIDER LK: 3290
SCHNEIDER T: 3291
SCHNEIDER W: 2639
SCHNEIDER WH: 3292
SCHNEIDER WP: 2189, 3293
SCHNEIDERMAN N: 3412
SCHNUR PL: 3294
SCHNYDER UW: 3295
SCHOCHET SS JR: 3296
SCHOEN EJ: 3297
SCHOENTAL R: 3298-3299
SCHOFFLING K: 2683
SCHOLE J: 1486
SCHOLER-MARKOVIC D: 3460
SCHOLLER R: 3300-3301, 3699
SCHOLTEN MB: 2482
SCHOLTES G: 3302
SCHOLZ DA: 3303
SCHOLZ H: 3304
SCHOMIG A: 2518
SCHON DA: 1113
SCHONHOFER PS: 897, 3305
SCHOONEES JA: 3306
SCHOORMANS W: 4003
VAN DER: 1732
SCHOOT JB: 1732
SCHOPF E: 3307
SCHOULTZ B VON: 239
SCHRAMM E: 1628
SCHRAMM G: 230
SCHRAMM K: 3308
SCHRANK B: 689
SCHREIBER B: 398
SCHREIBER SS: 3153
SCHREIBER V: 2971-2972
SCHRIEFERS H: 1248, 1597
SCHRIER RW: 287, 2178, 3309
SCHROLL M: 1790
SCHTEINGART DE: 1572
SCHUCHNER EB: 3310-3311
SCHUHL JF: 1660
SCHULLER PD: 3312
SCHULMAN CC: 3313-3314
SCHULTHEISS HR: 1056
SCHULTZ J: 3315-3317
SCHULTZ RH: 96
SCHULTZ SG: 1149
SCHULTZ-MOLLER N: 2194
SCHULZ KD: 795, 3318
SCHUMACHER GF: 4124
SCHUMACHER HR: 3319
SCHUMACHER R: 3006, 3320
SCHUMACKER JC: 3061
SCHUSTER DH: 3321
SCHUSTER GS: 2824
SCHUSTER L: 3321
SCHUSTER SR: 3575
SCHWAAR R: 3322
SCHWANITZ G: 1379
SCHWART A: 1016
SCHWARTZ A: 3511
SCHWARTZ B: 3323
SCHWARTZ HL: 3324
SCHWARTZ NB: 3325
SCHWARTZ RS: 1283
SCHWARZ E: 999
SCHWEBEL MC: 3326
SCHWEDES U: 2683
SCHWEISGUTH O: 3697
SCHWINGER E: 3327-3328
SCIEGATA MA: 3461
SCOPP I: 4114
SCOTT GL: 2180
SCOTT JT: 2669
SCOTT JW: 389
SCOTT-BURDEN T: 3329
SCRATCHERD T: 3330
SCRIBA PC: 2584, 2898-2900
SCRIBNER JD: 3331
SCUBLINSKY A: 4061
SEAL US: 194-195
SEAMARK RF: 3332
SEBAOUN J: 2511
SEBASTIEN P: 1737
SEBRANEK JG: 3333
SECHER NJ: 2079
SECHZER JA: 1255
SEDLAKOVA E: 2982
SEEBACH HB VON: 2124
SEEBOHM PM: 3334-3335
SEEGMILLER JE: 3336
SEELIG S: 3337
SEEMAN P: 3338
SEEWANN HL: 43
SEGAL HL: 3339
SEGAL S: 248
SEGALOFF A: 1302
SEGGIE J: 3340
SEGOND G: 2708
SEGOND P: 290
SEGRE EJ: 1553
SEIDEL H: 3341
SEIER L: 2354
SEKI K: 3342
SEKIHARA H: 3343
SEKSO M: 3344
SELBY FW: 3454
SELDENRATH HJ: 328
SELENKOW HA: 3096
SELEPEI IAD: 3751
SELISSKII GD: 3464
SELJELID R: 972
SELLICK BA: 1501
SELLYEI M: 1991, 3345, 3851
SELYE H: 3346
SEMMER JR: 890
SEMOCHKINA LS: 1313
SEN AK: 1942
SENAC JP: 1268
SENCIALL IR: 880
SENTURIA JB: 1762
SEPIC R: 1028

AUTHOR INDEX

SEPP H: 2948
SERBAN A: 2338
SERBAN AM: 813
SEREBROVSKAIA IUA: 3617
SERGEEV AI: 3867
SERGEEV PV: 3196
SERINGE P: 3068
SEROV RA: 3347
SERRE H: 3348
SESLINE DH: 2887
SETH J: 3349
SETO K: 1868-1869
SETTY BS: 3350, 3449
SEUBERT W: 2934, 3610
SEVERSON AR: 3351
SEYAMA Y: 3352
SEYFEDDINIPUR N: 3353
SEZE S DE: 917, 3354
SFONTOURIS J: 1989
SHABALIN VF: 3355
SHAFER RB: 3356
SHAFRIR A: 1436
SHAH NS: 3357
SHAH PR: 2808
SHAHAR A: 851
SHAIKH AA: 1267, 3358
SHALEK RJ: 787
SHALGI R: 3359
SHALIGRAM SV: 1068
SHANAHAN EA: 1415
SHANKAR PS: 3007
SHANKARAN R: 3360
SHANKS JR: 3361
SHANNON MP: 3362
SHAPIRO BL: 1422
SHAPIRO JR: 3928
SHAPIRO MI: 3363
SHAPPARD H: 3364
SHARAPOV IM: 3365
SHARAWY MM: 2824
SHARE L: 678
SHARKEY P: 3404
SHARMA BN: 3366
SHARMA OP: 21, 2359, 3367
SHARMA SD: 1844-1846
SHARP DG: 2286
SHARP F: 3097
SHARPE RM: 3368
SHASHKOV VS: 3196
SHASKAS JR: 2256
SHAVER JR: 3369
SHAW A: 2988
SHAW DC: 2293
SHAW KM: 3370
SHAW MW: 754
SHCHEGOLEVA GP: 3653
SHEA SM: 3371
SHEARMAN R: 3372-3373
SHEARMAN RP: 3484
SHEHATA R: 3374
SHEIKH YM: 1411
SHELDEN RM: 3375
SHEN MW: 3362
SHENOI PM: 3376
SHEPHERD A: 2468
SHEPS SG: 1757
SHERINS RJ: 3377
SHERLOCK P: 1926
SHERMAN AI: 3378
SHERMAN JO: 2158
SHERWIN RN: 3379
SHERWOOD RF: 3380
SHESTOPALOVA VM: 2052
SHETH AR: 3006
SHEVACH AB: 2130
SHIBATA K: 2042
SHIBUKAWA M: 3659
SHIDA K: 4084
SHIELDS PJ: 3381
SHIER RW: 3382
SHIKITA M: 3383
SHIM SS: 4111
SHIMA K: 3384
SHIMAHARA T: 3385
SHIMAMOTO M: 3386
SHIMAMOTO T: 3661
SHIMAZAKI J: 4084
SHIMIZU H: 1952, 3387-3388
SHIMIZU I: 3389
SHIMIZU T: 3400, 4104
SHIMOKAWA T: 3390
SHIMOKAWA Y: 2750
SHIMOMURA R: 3391, 4083
SHIMOYAMA S: 3392
SHIMPEI T: 2571
SHIMURA T: 3760
SHINADA T: 3393-3394
SHINAGAWA S: 1164
SHIOJI T: 1167
SHIOMI K: 2723, 3395-3396, 4093, 4103
SHIOTANI Y: 1163
SHIPPY RL: 3397
SHIRAIWA Y: 1178
SHIRASUNA K: 1163
SHIROIWA Y: 1179
SHIROKINSKAIA ON: 3398
SHISHIBA Y: 3399-3400, 4104
SHIZUME K: 3253, 3400, 4104
SHOEMAKER VH: 423
SHOJI H: 2025
SHOJI S: 2025-2029
SHOLL SA: 3401
SHOME B: 3402
SHORT EM: 3403
SHORT MP: 3404
SHORT RV: 865
SHORT WF: 3088
SHOULSON I: 3405
SHRYNE J: 3147
SHTURKALEV I: 3778
SHUKLA KK: 696-897
SHULLENBERGER CC: 1199
SHUMAN DA: 2482
SHURYGIN DIA: 3406
SHUSTER J: 3433
SHUSTER S: 3407
SHVARTSMAN AL: 2655
SHWE T: 3408
SIAKOTOS AN: 3409
SICART R: 3410
SIDDIQI M: 2319
SIDDIQUI DA: 1565
SIDDLE K: 533, 3411
SIDEROFF S: 3412
SIDHU KS: 3413
SIDORCHUK NB: 3414
SIDORENKO DS: 1399
SIDRANSKY H: 3415
SIEBENMANN R: 2713
SIEBER F: 3416
SIEGEL A: 3417
SIEGEL E: 3418
SIEGEL FL: 4048
SIEGEL IA: 3419
SIEGFRIED J: 3420
SIERADZKI J: 3421
SIEROSZEWSKI J: 3422
SIERSBAEK-NIELSEN K: 3423
SIERVOGEL RM: 3424
SIGDESTAD CP: 3425
SIGGINS GR: 1600, 3426
SIGULEM DM: 3861
SIGURDSSON G: 3427
SIGWART U: 3428
SIH CJ: 3667
SIH CN: 3429
SIITERI PK: 1372, 4021
SIKOV MR: 1821
SILA IA: 3430
SILBERBERG R: 3431
SILVA NO: 1389
SILVA PO DA: 661
SILVER CM: 3432
SILVER HK: 3433
SILVER MJ: 3434
SILVERMAN M: 3435
SIM FH: 873
SIM J: 2354
SIMENHOFF M: 57
SIMESCU M: 2654
SIMIONESCU L: 3436
SIMM S: 3437
SIMON HB: 3438
SIMON L: 3348
SIMON LN: 2482
SIMON M: 3439
SIMON NM: 2159
SIMON SD: 3432
SIMON-WEIDNER R: 1144
SIMONIN R: 3440
SIMONOVA A: 2495
SIMONOVA J: 3441
SIMONSEN H: 2878
SIMOPOULOS AP: 3442
SIMPSON CW: 159
SIMPSON NE: 3443
SIMPSON PM: 3444
SIMPSON WJ: 965, 2295
SIMS B: 3137
SINCLAIR DA: 3445
SINCLAIR DJ: 1190
SINGH AG: 2347
SINGH DN: 3446
SINGH EJ: 3447
SINGH G: 643
SINGH I: 3448
SINGH JN: 3449
SINGH M: 3450
SINGH RP: 481
SINGHAL RL: 3451
SINGLETON EB: 3904
SINHA AK: 1814, 3452
SINHA D: 3453
SINHA YN: 3454
SIPPEL HW: 3455
SIREK A: 3456
SIREK AM: 3456
SIREK OV: 3456
SIRITO R: 3461
SITAR DS: 3457
SIVAKUMARAN T: 3458
SIX P: 2472
SIYAWOSCHI D: 1954
SIZEMORE GW: 3459
SIZONENKO PC: 3460
SJAASTAD OV: 1188
SJOGREN A: 1454
SJOVALL A: 283
SKELLEY DS: 460
SKIBINSKY J: 3461
SKIDMORE IF: 3305
SKIELLO G: 2019
SKINNER C: 1190
SKOBLIN AP: 3462
SKOLUDA D: 3463
SKRIPKIN IUK: 3464-3465
SKROMNE-KADLUBIK G: 82
SKRZYDLO Z: 642
SKUPINSKI W: 2660
SLAGA TJ: 3331
SLATE WG: 1028
SLATER JS: 2432
SLATER SR: 630
SLAVIK M: 74
SLAVNOV VN: 3466
SLEPCHUK NA: 3467
SLIK W VAN DER: 2874
SLIWOWSKA W: 3468
SLJIVIC VS: 3469
SLOAN DR: 3116
SLOJEWSKA K: 3470
SLOOFF TJ: 440
SLOTKIN TA: 3471
SLOTOSCH H: 3472
SLOWEY JF: 890
SMAHA LA: 3473
SMART ME: 1102
SMEATON TC: 3093
SMELIK PG: 1838
SMIDT D: 994
SMIGLA K: 1430
SMIRNOV NP: 3474
SMIRNOV VIA: 3475
SMITH A: 3478
SMITH AL: 3477
SMITH AP: 3478
SMITH BJ: 3479
SMITH CH: 3480
SMITH CJ: 3481
SMITH EB: 3482
SMITH EM: 238
SMITH GA: 3483
SMITH GH: 1576
SMITH GP: 1255
SMITH GW: 2645
SMITH I: 3372-3373
SMITH ID: 3484
SMITH JB: 2485, 3434
SMITH JH: 1124
SMITH JM: 3485

AUTHOR INDEX

SMITH JP: 3998
SMITH L: 1821
SMITH LE JR: 3488-3487
SMITH LR: 93
SMITH MC: 581
SMITH MG: 4015
SMITH MW: 2727
SMITH P: 3488
SMITH R: 332, 1209
SMITH RE: 3489
SMITH S: 1753
SMITH TJ: 3490
SMITH VG: 3491
SMITH VK: 724
SMITHBERG M: 1094
SMOLIANSKII GB: 3492
SMOOKLER HH: 873
SMYRL R: 4147
SNAITH ML: 2889
SNAPIR N: 3027
SNART RS: 3493
SNEDDON I: 3494
SNEL J: 3495
SNELL K: 3498
SNELL KC: 3497
SNODDY HD: 1172-1173
SNOEIJING R: 3498
SNYDER LM: 2520
SNYDER SH: 2878, 3499
SOBEL BE: 2188
SOBONYA RE: 3500
SOBRIAN SK: 2813
SOCIC H: 245
SOEKAWA M: 2552
SOERGEL KH: 1768
SOETEMAN DW: 3609
SOFERMAN N: 851, 3359
SOFFER RL: 3501
SOHVAL AR: 2875
SOKOL AB: 3502
SOKOL K: 3528
SOKOL SA: 3503
SOKOLOFF J: 3504
SOKOLOVEROVA IM: 1206
SOLARI AJ: 4158
SOLBACH HG: 4004
SOLCIA E: 547
SOLDAT MC: 3301
SOLEM JH: 929
SOLIER M: 226
SOLIMAN FA: 3505
SOLIMAN MK: 3505
SOLIS RA: 32
SOLNICA J: 3354
SOLOFF MS: 3508
SOLOMON IL: 3297
SOLOV'EVA LP: 971
SOLYMOSS B: 3788
SOMA H: 1901
SOMEYA N: 2750
SOMMER G: 3507
SOMMERVILLE IF: 1549, 4109
SOMOV BA: 3464
SON BS: 3932
SONCK W: 1772
SONDERGAARD J: 3508
SONG CS: 343
SONKA J: 1961, 3441
SONNENBERG H: 3509
SONNENSCHEIN C: 3510
SOOD R: 3429
SORDAHL LA: 3511
SORDET F: 353
SOREMARK R: 884
SORENSEN B: 2089, 2851
SORENSEN JS: 1818
SORIA J: 4130
SORIANO M: 573
SORIGUER ESCOFET FC: 4087
SORKIN E: 1039
SORRENTINO S JR: 3057
SOSZKA S: 3512
SOTO JM: 715
SOULAIRAC A: 3513
SOUPART P: 2545
SOUTH FE: 2488
SOUTHERN EM: 3514
SOUTHREN AL: 4049
SOUTOUL JH: 3515
SOUZA JC DE: 3518
SOUZA JP: 1389
SOVIK O: 3517
SOWINSKI S: 3798
SPALDING MJ: 3074
SPANO JS: 2891
SPARGO BH: 1528
SPARKES RS: 3518
SPASOKUKOTS'KII IUO: 3519
SPASOV S: 1228, 1958-1959
SPATLING L: 3541
SPAULDING SW: 502
SPEARMAN TN: 3520
SPECTOR S: 2878
SPECTOR WG: 3154
SPELLACY WN: 2130, 3521-3523
SPENCE BK: 2847
SPENCER CJ: 1223
SPENCER RP: 3524
SPENNATI G: 3525
SPERLING K: 3526-3527
SPERLING M: 2698
SPEROFF L: 71-73, 523, 1324
SPIEGELBERG HL: 2102
SPIERTO FW: 3528
SPIESS EB: 3379
SPILG WG: 2298
SPILMAN CH: 3529-3530
SPILSBURY PR: 1382
SPINCEMAILLE J: 3838
SPIRESCU G: 3531
SPIRESCU I: 3531
SPITZ I: 248, 3532
SPITZER SA: 2912
SPLECHTNA H: 3285
SPLITTER GA: 2983
SPONA J: 1739
SPRAGUE AD: 3382
SPRANGER JW: 2719
SPRAYREGEN S: 3533
SPRENGER E: 3534
SPRENGER F: 3535
SPRINZ H: 3602
SQUATRITO S: 3872
SRAMKOVA J: 1009
SREDNICKA-ZAJAC D: 3536
SRIMAL RC: 1405
SRIVASTAVA K: 3449
SRIVASTAVA KC: 3537
SRIVASTAVA L: 1478
STABELL I: 2878
STABENFELDT GH: 3538
STACHOWICZ W: 2782
STACY WK: 1046
STADNICKI SW: 2386
STAF B: 3841
STAHL A: 1271
STAHL F: 918
STAHL KW: 3539
STAHL L: 3540
STAHL S: 2641
STAHLER E: 3541
STAIB W: 1578, 2453
STALDER G: 1056
STALHEIM OH: 1853
STALLCUP OT: 3542
STAMP TC: 3543
STANCAK A: 3544
STANCAKOVA A: 3544
STANCHEVA M: 1958
STANESCU L: 2806
STANGELAND N: 3545
STARBUCK WC: 4095
STARKA L: 2659, 2995
STARKE K: 3929
STARKEY RH: 3546
STARKOVA NT: 3547-3548
STARLING MB: 995
STARZL TE: 2864, 2949
STASTNY F: 3549
STAUB JJ: 3550
STAUDINGER H: 1156
STAUDTE HW: 3058
STAUFFER HH: 3551
STAUROVSKY L: 418
STAUROVSKY LG: 442, 2575
STEEL E: 3552
STEELE RE: 207
STEELE WJ: 1761
STEFAN Y: 3553
STEFFANOFF DN: 3554
STEFFENS H: 1607
STEFLEA D: 3555
STEHLE RG: 3137
STEIN RB: 3556
STEIN U: 1345
STEIN WH: 3215
STEINBERG AD: 3557
STEINBERGER E: 650
STEINER AL: 3426
STEINER H: 2936, 3558
STEINHARDT J: 3080
STEINMAN RM: 3559
STEINMETZ GT: 3560
STEINSLAND OS: 3561
STELLING FH: 3562
STENEVI U: 335
STENFLO J: 3563
STENLAKE JB: 3564
STEPANOV GS: 1036
STEPHEN CR: 264
STEPHENSON EM: 3565
STEPHENSON NG: 3565
STERC J: 2937
STERESCU N: 100
STERLING K: 3566
STERN GM: 3370
STERN L: 3268
STERN LZ: 3567
STERN R: 759
STERN WC: 2544, 3568
STERNE J: 3569
STETSON MH: 3570
STEVANOVIC DV: 3571
STEVEN LW: 3572
STEVENS J: 3573-3574
STEVENS JB: 2773
STEVENS VC: 2958
STEVENS YW: 3573-3574
STEVENSON JG: 417
STEWART CM: 2482
STEWART DR: 1217, 3575
STEYN J: 3576-3577
STEYN-PARVE EP: 689
STICKLER GB: 497
STIERLE HE: 3782
STIGBRAND T: 239
STILLINGS B: 2665
STILP TJ: 478
STINNAKRE J: 3578
STINNAKRE MG: 3579
STINSON EB: 3701-3702
STINUS L: 3580, 3723
STITH RD: 3581
STOCK AD: 3582
STOCK W: 3972
STOCKAMP K: 3463
STOCKERT JC: 3311
STOCKS J: 3098
STOEBER E: 3001
STOECKEL ME: 3583
STOENESCU D: 82-83
STOFFER SS: 1757, 3584
STOHS SJ: 3671-3672
STOJAKOWSKA M: 642
STOJANOV S: 3585-3586
STOLECKE H: 3587
STOLL C: 3588
STOLL R: 2353, 3589
STOLL RE: 2033
STOLPA JB: 3590
STONE GM: 3591
STONE SC: 3737-3738
STONE WJ: 1125
STOOKEY GK: 1858
STORCH W: 3592
STORCK R: 170
STORLIEN LH: 3593
STORMSHAK F: 37
STORRING PL: 3594
STORY MT: 3595
STRAKOSCH T: 3596
STRAND CL: 3597
STRANDBERG K: 3598
STRANSKY GC: 3599
STRASEK J: 1071
STRAUCH G: 2512
STRAUS FH 2D: 4054-4055
STRECKFUSS JL: 1014
STREJCEK J: 345
STRICKER EM: 1735

STRICKLAND AL: 3600-3602, 3813
STRIPP B: 1466
STROE A: 379
STROEV EA: 3603-3605
STROH JE SR: 3606
STRONG CR: 1115
STRONGINA OM: 3688
STROTGES MW: 1539
STROTT CA: 461
STRUNZ J: 2124
STRUTHERS JO: 2305
STRUTHERS NW: 3607
STRZALKO S: 1291
STUBBERT PA: 2011
STUDER RK: 3608
STUDER RO: 3558
STUKKEI AL: 1682
STUKOVSKY R: 1647
STULC JJ: 3609
STUMPF B: 3610
STUPFEL M: 3611
STURGESS J: 3612
STURROCK RF: 717
STUTINSKY F: 3583
STUTTGEN G: 3613
STUTZ FH: 3614
STUTZMAN L: 2697
STYLOS WA: 3615
SUAREZ A: 2841
SUAREZ GARCIA A: 3616
SUBDEN RE: 1102
SUCHANEK E: 1962
SUCHKOV VV: 3617
SUDAKOVA AI: 3618
SUDOVA K: 1647, 3619
SUGANO N: 4095
SUGARMAN GI: 3620
SUGAWARA H: 1166
SUGIMOTO T: 2618
SUGIURA M: 1686
SUKHANBERDINA FKH: 2410
SULAKHE PV: 882
SULIMOVICI S: 3621
SUMMERS RJ: 342
SUMMITT RL: 936
SUN AM: 3622
SUN SC: 620
SUNDLER F: 1440, 2427
SUNTHARALINGHAM N: 787
SURASKY M: 584
SURKS MI: 3324
SUSHKOVA IA: 3398
SUTHERLAND GR: 3623
SUTIN J: 3135
SUTTER BC: 2117, 3624
SUTTER MT: 2083
SUTTER-DUB T: 3624
SUZAWA A: 3625
SUZUKI H: 915, 1686
SUZUKI I: 4046
SUZUKI M: 1710, 3626-3627
SUZUKI T: 1481, 2523, 3628
SUZUKI Y: 2488, 2757, 3629-3630, 3679
SVANBERG G: 1374
SVANBERG L: 3631
SVANBORG N: 2396
SVEINSSON S: 2679
SVENSSON LA: 136
SVETOSLAVOVA E: 2401
SWAAB DF: 3632
SWAEN GJ: 1544
SWALE J: 1121
SWALES JD: 3633
SWAN CH: 720
SWANSON EW: 3634
SWANSON R: 716
SWAROOP S: 3635
SWARTWOUT JR: 3447
SWARTZ TL: 3506
SWEENEY DF: 2722
SWEENEY EC: 931
SWERDLOW M: 3636
SWERLOFF RS: 437
SWIERCZYNSKI J: 45
SWONGER AK: 3637
SYAL P: 2211
SYCHLOWY A: 1430
SYED IB: 3638
SYKES JA: 3639
SYMCHOWICZ S: 1977
SYME LA: 1658
SYMMS KG: 3640
SYMTHIES JR: 554
SYNENKI RM: 3641
SZABADOS L: 2462
SZABO C: 3642
SZABO G: 1066, 3275
SZABO I: 773-774, 3642-3643
SZADKOWSKI A: 3644
SZALACH E: 3645
SZALAY GC: 3646
SZALAY L: 255
SZANTO S: 4112
SZE S: 2925
SZEGEDI G: 1066
SZEGO CM: 3647
SZELENYI I: 3648
SZENDRENYI J: 1061
SZMIGIELSKI S: 2054
SZONTAGH F: 3649
SZPIGIELMAN R: 2108
SZTACHELSKA I: 3650
SZUCS J: 3651
SZYBINSKI Z: 3421

T

TABACHNICK II: 1977
TABEI T: 3652
TABOLIN VA: 3653-3654
TABUCHI T: 2508
TACHIKAWA S: 3655
TADA M: 1911
TAIT AD: 3656
TAJMIROVA O: 3657
TAKACS L: 255
TAKADA M: 41
TAKAGI K: 3664
TAKAGI N: 3658
TAKAGI S: 3659
TAKAHASHI K: 88, 1817, 3627
TAKAHASHI M: 3660
TAKAHASHI T: 797, 3826, 3660
TAKAMATSU Y: 3805
TAKANO T: 3661
TAKASE M: 1699
TAKASE S: 2554
TAKASHIMA H: 1865
TAKASUGI N: 3662-3663
TAKAYAMA H: 1697-1898
TAKAYANAGI I: 3664
TAKAZOE I: 1014
TAKEBE K: 3253, 3665
TAKEDA R: 3666
TAKEDA Y: 2547
TAKEGUCHI C: 3667
TAKEKIDA H: 1520
TAKENOSHITA M: 3388
TAKEUCHI S: 3668
TAKEUCHI T: 90, 1165-1167
TAKEVA TS: 3669
TAKITA H: 469
TAKUMA T: 2488
TALANTI S: 3670
TALCOTT RE: 3671-3672
TALEISNIK S: 3673
TALLEY R: 2245
TALLEY WL: 3325
TALLIAN F: 3674
TALLON S: 2129
TALNER LB: 3069
TALUKDAR CK: 3675-3676
TAMBURINO G: 529
TAMM J: 2413
TAMURA M: 1179
TAN WC: 3677-3678
TANABE T: 3805
TANABE Y: 1681, 2631-2632
TANAHASHI T: 3679
TANAKA A: 2630
TANAKA K: 3206
TANAKA M: 1681, 3680
TANAKA T: 3207
TANAKA Y: 3681-3682
TANCHE M: 3721
TANGAPREGASSOM AM: 3513
TANGAPREGASSOM MJ: 3513
TANGE JD: 3633
TANI T: 1520
TANIZAWA O: 2489, 3683
TANNENBAUM SR: 1048
TANOUCHI T: 1521
TANPHAICHITR V: 3684
TANZER ML: 3685
TAPP E: 3688
TAQUINI AC JR: 3869
TARANGER J: 3687
TARASENKO NIU: 3688
TARDIEU JC: 2083
TARR GE: 3689
TARR LW: 1888
TARSOLY E: 2578, 3690
TARTOF KD: 3691
TARTTELIN MF: 3692
TARUI S: 3384
TASCA C: 2881, 3693
TASHJIAN AH JR: 2436
TATA JR: 679
TATE RL: 706
TATEBE I: 3694
TATIT ED: 3870
TAUB RN: 3198
TAUBERT W: 3695
TAUBIN HL: 903
TAUC L: 3385, 3578
TAUCHI H: 3243
TAUGNER G: 30
TAULEMESSE H: 303
TAURELLE R: 1570
TAUSSIG LM: 4047
TAUTU C: 110
TAVERNIER J: 885, 947
TAVERNIER M: 3858
TAYAL M: 3829
TAYLOR AJ: 3564
TAYLOR CB: 1159
TAYLOR CR: 3091
TAYLOR DG: 1219
TAYLOR DJ: 562
TAYLOR DW: 4095
TAYLOR JL: 1615
TAYLOR RE: 3095
TAYLOR S: 3427
TAYMOR ML: 1984, 2712, 3696
TCHEN TT: 2888
TCHERNIA G: 3697
TCHILINGUIRIAN NG: 3698
TEA NT: 3699
TEAL J: 3458
TEASDALE F: 3480
TEC L: 3700
TECKLENBERG PL: 3701-3702
TEDESCHI LG: 3428
TEEL RW: 3703
TEGTMEIER W: 3280
TEIXEIRA JL: 3066
TELEGDY G: 3704
TELEGINA SA: 1351
TELL G: 3178
TELL GP: 779
TELLER H: 3705
TELLER W: 3706
TELLER WM: 3707
TEMPLETON R: 3564
TENDLER DS: 1036
TENENHOUSE A: 3013
TENG SS: 1492
TENNSTEDT A: 3708
TENORE A: 3149
TENSER RB: 3709
TEO TS: 3710
TERADA M: 2038
TERASAKI WL: 3181
TERASAWA E: 1869-1870
TERAYAMA Y: 1178-1179
TERENIUS L: 2209, 3711-3713
TERNAUX JP: 2985
TERRAZ M: 3460
TERROINE T: 1592
TERZI M: 3714
TESKE HJ: 3284
TESSMER CF: 3715
TESTART J: 2041
TETROKALASHVILI EI: 2873
TEUBNER J: 3332
THAKKAR AL: 2387
THAKUR AN: 3718
THALER-DAO H: 3716
THAMER G: 3717
THANAVALA YM: 3718

THAPLIYAL JP: 596
THAWLEY AR: 1398
THEILGAARD A: 3719
THEIN A: 598
THEISS W: 3720
THELEN M: 252
THEORELL H: 2902
THERMINARIAS A: 3721
THERON J: 3722
THEUNYNCK P: 2101
THEVENET M: 1329
THIEBLOT L: 295, 2879
THIERRY AM: 3723
THIERRY-MIEG D: 3724
THIERY M: 3725
THIES E: 3726
THIMONIER J: 2857, 3727
THODAY JM: 1257
THODY AJ: 3407
THOMAS C: 653
THOMAS CE: 2298
THOMAS D: 3418
THOMAS FB: 3715
THOMAS GH: 4014
THOMAS J: 3728, 4056
THOMAS JA: 2212, 3451
THOMAS-ORILLARD M: 3729
THOMOPOULOS P: 2396
THOMPSON BH: 2804
THOMPSON GE: 527
THOMPSON IE: 3696
THOMPSON J: 3730
THOMPSON JS: 3731-3732
THOMPSON LH: 3745
THOMPSON RW: 2765
THOMPSON WF: 3733
THOMSON MJ: 3734
THORBECKE GJ: 3735
THORBURN GD: 790, 1282, 2639, 3067
THORN GW: 283
THORN NA: 968
THORNDYKE MC: 3739
THORNE RF: 3736
THORNEYCROFT IH: 3737-3738
THORNHILL DP: 3457
THORPE A: 3739
THORPE JN: 2255
THORSBY E: 3740
THRIFT FA: 265
THROWER S: 3741
THURET F: 2060
THURMON TF: 2998
THURSTON H: 3633
TIBBUTT DA: 332
TIECKE R: 2422
TIEDE D: 3281
TIEFER L: 1771
TIGELAAR RE: 3742
TIKHONOVA EP: 3123, 3743
TIKKANEN MJ: 3744
TILBURY RS: 598
TILL JE: 3745
TILL MM: 3746
TILLSON SA: 2890, 3737
TILTON JE: 97
TIMM J: 3747
TIMMERMANS L: 3748-3750
TIMOFEEVA TE: 373
TIMOSHENKO LV: 3751
TINDAL JS: 3752
TING P: 1545
TINGARI MD: 3753
TIPTON BK: 2973
TISSOT R: 3754
TITANI K: 1559
TKACHEV AV: 4115
TNEMOTO Y: 3627
TOCHILIN VI: 3755
TODD H: 1569
TODHUNTER EN: 3756
TOFT D: 657
TOH YC: 3757
TOIVOLA PT: 3758
TOJO S: 2634, 3759-3761
TOLAS AG: 3762
TOLEDO S DE: 254
TOLL GD: 2286
TOLLESON WJ: 1125
TOLLON Y: 572
TOMATIS L: 1391
TOMATIS ME: 3673
TOMISAWA A: 2735
TOMITA A: 1507
TOMKINS GM: 810, 3158
TOMLINSON RV: 1553
TONASCIA JA: 3239
TONE P: 2806
TONG EC: 3763
TOOLE BP: 3764
TOON R: 1605
TOPPER YJ: 2789, 3765, 3894
TOPPOZADA M: 516, 4032
TORBENKO VP: 1064
TORDA C: 3766
TORII T: 2038
TORIKAI T: 1165
TORIZUKA K: 1698
TORMEY DC: 3614
TORRES HN: 1100
TORRESANI J: 3132
TORRIGIANI G: 184
TORSUEV NA: 3767
TORTORA M: 3768
TOSA T: 3769
TOSCANO S: 799
TOSCHKOV A: 3254
TOTH E: 1054
TOTH F: 3770
TOUCHSTONE JC: 3771
TOURNIAIRE J: 2767
TOURRIS H DE: 1272
TOUSSAINT C: 1908
TOVEY JE: 1666
TOWNES PL: 2975
TOWNSLEY JD: 934, 3772
TOY FJ: 3959
TOYNE PH: 1721
TRABALZA N: 545
TRACEY ML: 3773
TRAIKOV H: 1819
TRAMEZZANI JH: 3893
TRAN MINH V: 2909
TRANKMANN J: 3774
TRANZER JP: 817
TRAPP P: 3775
TRAUCH JA: 3776
TRAUNER DA: 2938
TRAUT RR: 3776
TRAUTWEIN K: 3777
TRECHSEL U: 384
TREE M: 826, 3962
TREECE G: 659
TREGEAR GW: 130
TRELSTAD RL: 3784
TRENTINI GP: 400
TREPECHOV S: 3778
TRETHOWAN JD: 3779
TRICHOPOULOS D: 3853
TRIGER DR: 3780
TRINER L: 3781
TRIPP L: 901
TRITTHART H: 3782
TRMAL T: 390-391
TROCH R: 3125
TROEN P: 1849
TROIANO R: 3417
TROITSKAIA MN: 805
TROKEL SL: 3783
TROWILL JA: 639
TRUBNIKOV BM: 2935
TRUDEL M: 426
TRUONG H: 1243
TRZECIAK B: 3784
TRZENSCHIK K: 2578
TSAI SC: 3785
TSAPOK PI: 1995
TSARIKOVSKAIA NG: 3123
TSCHABITSCHER H: 467
TSIBENKO VO: 3786
TSONG YY: 117
TSUCHIDA S: 1166
TSUJI I: 1997
TSUKUI Y: 3394
TSURUHARA T: 571
TSURUTA T: 2734
TUBB RS: 930
TUCHINDA M: 3950
TUCHMANN-DUPLESSIS H: 3787
TUCHWEBER B: 1202, 3788
TUCKER HA: 3789
TUCKER JA: 3790
TULLOCH BR: 3791
TURAKULOV IAKH: 3792
TURCHINS ME: 1895
TURKO AP: 368
TURNELL RW: 3793
TURNER BH: 3794
TURNER FE: 3795
TURNER MR: 3796
TURNER RH: 1489
TURNER T: 3797
TUROWSKA B: 1948
TUROWSKI G: 3798
TURPIN G: 446
TURUSOV V: 1391
TWADDLE E: 1435
TWISSELL DJ: 638
TYLER FH: 2316
TYNES WV: 263
TYREY L: 1461
TYTELL M: 3799
TZONOS T: 3775

U

UCHIDA K: 3800
UCHIDA M: 63
UCHIDA Y: 3801
UCHINO F: 1706
UEBERBERG H: 3802
UECHI M: 2616
UEDA G: 1183, 3803
UEDA J: 4077
UEDA T: 3630
UEHARA Y: 3804
UEKI H: 2025-2029
UEMURA H: 1943
UESAKA I: 3805
UETANI T: 1589
UETE T: 3390
UHLICH E: 3806
UILENBROEK JT: 3807
UKHOVA IUN: 3695
UKITA M: 3808
ULBRYCH-JABLONSKA A: 3809
ULLMANN A: 926
ULLREY DE: 443
ULLRICH V: 1156
ULMER WT: 3810
ULRICH R: 4113
ULTMANN JE: 3811
UMEHARA C: 3812
UNBEHAUN V: 1523
UNDERWOOD LE: 3813
UNDHEIM K: 392
UNGAR B: 2433
UNGE G: 1756
UNGER WP: 3814
UNGERSTEDT U: 735
UNNERUS CE: 1
UNO I: 3815-3816
UNTERHARNSCHEIDT FJ: 3817
UOZUMI T: 1453, 3818
URAKAWA N: 2696
URASAKI H: 3819
URBASZEK W: 16
UREN JR: 3820
URIEL J: 3821
URIST MR: 3732
URRY RL: 1138
URSIN H: 725
URSPRUNG H: 2308
USA T: 3822
USADEL KH: 2683
USANDIZAGA J: 1160
USPENSKII LV: 2051
USSOV J: 3823
UTEG KH: 3226
UTIGER R: 4006
UTIGER RD: 2174
UVAROVA OA: 104
UZIEL A: 1390

V

VAES G: 2173, 3902
VAGENAKIS AG: 14, 3824
VAGUE P: 3440
VAGULA MG: 3825
VAHLQUIST A: 3826

VAIDYA R: 803
VAINSEL M: 3827
VAISHNAVA S: 3828-3829
VAISRUB S: 3830-3831
VAITUKAITIS J: 434
VAITUKAITIS JL: 3377
VAJDA L: 255
VAKHARIYA VR: 3378
VAKHING VA: 53
VAKIL DV: 2543
VALCAVI U: 3832-3833
VALCKE JC: 2256
VALE W: 1343, 2197, 3834
VALENTINE AM: 2096
VALKOVA G: 3835
VALLEE E: 2060
VALLOTTON MB: 2885, 3460
VALTONEN M: 2714
VALUEVA TK: 3836
VALYASEVI A: 2947
VAN CAMPENHOUT J: 3837
VANDE WIELE RL: 544
VANDELPLASSCHE M: 3838
VANDENBERG SG: 3839
VAN DEN BERGHE H: 3841
VANDENBROUCKE-VAN DEN H: 877
VANDEPLASSCHE M: 409
VANDERHEYDEN K: 3725
VANDERHOEK JY: 3840
VANDERLAAN WP: 3454
VANDERSCHUEREN-LODEWEYCKX: 3841
VAN DER STRICHT J: 3842
VANDONGEN R: 3843
VANE JR: 35
VAN GEERTRUYDEN J: 1908
VAN HASSELT P: 744
VANHECKE J: 1772
VAN KERKHOVE E: 3844
VAN KETS H: 3725
VANKOS J: 3845
VAN LOON GR: 462
VAN MARTHENS E: 4121
VAN MIDDLESWORTH L: 3149
VAN ORDEN LS 3D: 1356
VAN ORDSTRAND HS: 868
VAN PELT RW: 3846
VAN TIENHOVEN A: 3847
VAN TONGERLOO A: 2538-2539
VAN WYK JJ: 3813
VAN YPERSELE DE STRIHOU: 3125
VARAVUDHI P: 3848
VARGA S: 1316
VARGAS RAYMOND G: 2531
VARKARAKIS MJ: 3849
VARMA MP: 878
VASILESCU F: 2729
VASIL'EV IUM: 3850
VASIL'EV IV: 3347
VASINGTON FD: 3148
VASS L: 3345, 3851
VASSART G: 3852
VASSAS JM: 629
VASSILIADIS P: 3853
VASTESAEGER M: 3854
VATTER AE: 2291
VAUGHAN ED JR: 3855
VAUGHAN M: 3785
VAUGHN WK: 1443
VAYSSE J: 132, 3856
VAZQUEZ AM: 3857-3858
VEALS J: 1977
VEATH ML: 2719
VEBER M: 2396
VECSEI W: 144
VEDROVA IN: 3465, 3882
VEECH RL: 1516
VEER AL VAN DER: 328
VEILLEUX H: 3859
VEKEMANS M: 3860
VELASCO EG: 3861
VELEANU C: 3862
VELLANO C: 3863
VELLE W: 1186
VELOSO I: 91
VENDRELY C: 950
VENEGAS H: 982
VENKATACHARYA K: 3864
VERCHERE M: 3865
VERDY M: 250
VEREERSTRAETEN P: 1906
VERGNAUD O: 2353
VERGNES M: 614
VERHAS M: 1908
VERMA NP: 3675
VERNADAKIS A: 2962
VERNEY J: 64
VEROSKY M: 3781
VERSMOLD H: 3083
VERSPRILLE A: 3609
VESELY J: 658
VESSELINOVITCH SD: 3866
VESSELY JC: 504
VESTERMARK S: 323
VEYRET C: 2909
VIANNEY DE JONG JM: 1732
VIAZITSKII PO: 3406, 3867
VICKERY MR: 2807
VICTORIN L: 3687
VIDAL N: 3868
VIDAL NA: 3869
VIEIRA FILHO JP: 3870
VIETTI M: 1277
VIEU F: 3697
VIGAS M: 3871
VIGNERI R: 3872
VIGNOS PJ JR: 3873
VIGOUROUX RP: 2378
VIGVARY L: 1187
VILAN J: 3874
VILASECA G: 2841
VILCEK E: 3875
VILCHES A: 999
VILHJALMSDOTTIR L: 200
VILLANI P: 1346
VILLANUEVA A: 3876
VILLEE CA: 1216
VILLELA GG: 3877
VILLIERS LS DE: 316
VINCENDON G: 3061
VINCENT A: 3125
VINCENT CK: 3486-3487
VINCENT JD: 107, 937, 2674
VINCENT M: 3878-3879
VINIK AI: 3880
VINNIK LF: 3881
VINOGRADOVA EB: 1992
VINOGRADOVA EI: 3618
VINOKUROV IN: 3882
VINTER J: 356
VIOLA MV: 1993, 3863
VIRKKUNEN P: 3884
VIROLAINEN M: 2827
VIRU AA: 3885
VIRU EA: 3885
VISSER JW: 2080
VITKO RJ: 3886
VITTORI F: 3887
VLAHAKIS G: 1576
VLASE L: 3888
VOGEL HG: 3889
VOGELS P: 2172
VOGES A: 2418
VOGLER G: 3890
VOGLMAYR JK: 2955
VOGT HJ: 3891
VOGT W: 1404
VOIGT KH: 1063
VOIGT W: 3892
VOISIN MC: 572
VOLKOV BP: 2051
VOLKWEIN U: 2413
VOLOSCHIN LM: 3893
VOLTERRA G: 2919
VON BOEHMER H: 517
VON BERLEPSCH K: 616
VONDERHAAR B: 2574
VONDERHAAR BK: 2789, 3765, 3894
VON EULER US: 3895
VONOCZKY J: 2832
VON VIETINGHOFF-RIESCH: 127
VON VOIGTLANDER PF: 3896
VON WERDER K: 1031
VOOG R: 3897
VORBRODT A: 2073
VORONTSEV VI: 3898
VOSBERG H: 1649, 3899
VOSS H: 3900
VOTTERO-CIMA E: 4090
VOUTE CL: 3901
VREVEN J: 2173, 3902
VROMAN S: 3725
VRSANSKY V: 3657
VSHIVKOVA NF: 3252
VULLIEMOZ Y: 3781
VULLINGS HG: 3903
VULTERINOVA M: 2816
VUTHIBHAGDEE A: 3904

W

WACKER A: 3050
WADA M: 1943, 3905
WADE GN: 3906
WADEL O: 1757
WAGAR G: 3907
WAGENBICHLER P: 3908
WAGENEN G VAN: 129
WAGENKNECHT LV: 3909
WAGNER H: 1649, 3025, 3899, 3910
WAGNER HN JR: 2325, 3438
WAGNER LA: 3911
WAGNER RK: 3912
WAHLEN JD: 2316
WAHLIG H: 3913
WAHLQVIST ML: 3914
WAHNER HW: 2658, 3915
WAIBEL PE: 1441
WAITES GM: 723
WAL MC VAN DER: 1887
WALCHER K: 1321
WALCZAK M: 208
WALD N: 1849
WALDEMARSON KH: 553
WALDEN NB: 1884
WALDHAUSL W: 3916-3917
WALDREN CA: 2833
WALE N: 3918
WALINDER G: 3919
WALKER AE: 3920
WALKER C: 4061
WALKER CS: 3921
WALKER DG: 3496
WALKER FA: 2336
WALKER MJ: 2831
WALKER PA: 3922
WALKER RF: 3923
WALL BJ: 2774
WALL CA: 3924
WALL ME: 562
WALL NR: 807
WALLACE HD: 1937
WALLACE HJ: 3925
WALLACE JE: 354
WALLACE RA: 3926
WALLACH EE: 3927
WALLACH HW: 3928
WALLER S: 1285
WALLICK ET: 1016
WALPOLE AL: 630
WALSH DA: 116
WALSH KA: 1559
WALTER H: 68
WALTER LW: 3929
WALTHER D: 1583
WALTHER GL: 1334
WAMPLER RS: 3930
WANG JH: 3710, 4088
WANG RB: 1072
WANG TB: 3710
WAPNICK S: 1078
WARD HW: 3931
WARD IL: 4136
WARD WR: 3029
WARDEKAR AS: 3932
WARDENER HE DE: 386
WARKANY J: 372
WARM R: 3933
WARNER NE: 4054-4055
WARNER NL: 1490, 3157
WARNER O: 3297
WARREN M: 544
WARREN MP: 3934
WARWICK WJ: 1422
WASASTJERNA C: 3935
WASHAM RD: 653
WASHBURN WN: 730
WASHIO M: 2634, 3761
WASSERMANN D: 3065
WASSERMANN GF: 1197
WASSERMANN O: 3936

WASSERTHEIL-SMOLLER S: 3937
WASTIE ML: 3938
WATANABE H: 3939
WATANABE M: 2043
WATANABE YG: 797
WATARI T: 3940
WATERS N: 1302
WATKINS BE: 3941
WATKINS WB: 996, 3942
WATSON JJ: 3242
WATSON NE JR: 3943
WATSON RC: 2795
WATTS RW: 3986
WAWRZENCZYK B: 1325
WAYNER MJ: 3944
WEAVER JP: 3500
WEAVER LC: 1219
WEBB J: 1012
WEBB M: 3945
WEBB MJ: 844
WEBER G: 669
WEBER H: 677
WEBER HG: 2424
WEBER HW: 3946
WEBER R: 3189
WECHSLER M: 3947
WECHTER WJ: 531
WEEKS JR: 1588
WEEMERS MB: 2470
WEHLER E: 3948
WEICK RF: 1848
WEIGLE WO: 2102
WEIL-FUGAZZA J: 1291
WEIN AJ: 3949
WEINBERG EG: 3950
WEINBERG H: 1088
WEINBERGER A: 3951
WEINBERGER MH: 3952-3953
WEINMANN R: 3954
WEINMANN W: 2968
WEINRYB I: 3955
WEINSHENKER NM: 3956
WEINSTEIN A: 3957
WEINSTEIN B: 3958
WEINSTEIN JD: 3959
WEINSTEIN P: 3960
WEINTRAUB BD: 3961
WEIPPL G: 2987
WEIR RJ: 3962
WEISBLAT DI: 3963
WEISBRODE SE: 3964
WEISE HC: 425
WEISMAN RN: 3965-3966
WEISS ER: 3967
WEISS HJ: 3968-3969
WEISS J: 2253
WEISS MC: 3518
WEISS Y: 156
WEISSBARTH S: 2122
WEISSMAN IL: 3970, 4038
WEISSMANN G: 405
WEITGASSER H: 3971
WEITZEL G: 3972
WEITZMAN E: 416
WEITZMAN ED: 1834
WEKERLE H: 1069
WEKSLER B: 1904, 2610
WELCH P: 3973
WELCH RA: 3974
WELKOV S: 3975
WELLER M: 667
WELLS D: 3268
WELLS LA: 3976
WELLS MA: 3977
WELLS RJ: 3157
WELLS SA: 321
WELSCH CW: 2425
WELSCHEN R: 3978
WELT SI: 3979
WENDER PH: 3980
WENIGER JP: 646, 3981
WENNING N: 3025
WENT M: 771
WERFF TEN BOSCH JJ VAN: 3807
WERK EE JR: 1478
WERLE E: 1902
WERNER C: 3982
WERRBACH JH: 3758
WESCHLER B: 2115
WESSELS F: 3025
WEST CD: 2318
WEST SB: 2243
WESTER PO: 3983
WESTLIN NE: 2892
WESTON WL: 3984-3985
WESTWICK WJ: 3986
WETEKAM W: 3987
WETHERLY JM: 165
WETTEMANN RP: 3988-3989
WETTERBERG L: 148-149
WETTERHUS S: 3990
WETZEL W: 3991
WEX P: 3992
WEXLER IB: 4105
WHALEN RE: 1354, 3993-3994
WHALEN TJ: 3924
WHALEY K: 1012
WHANGER AD: 3995
WHARTON B: 835
WHARTON JT: 3996
WHEELER MJ: 161
WHELDRAKE JF: 2499
WHITE BJ: 3997
WHITE D: 3037
WHITE IG: 2955
WHITE IH: 3998
WHITE LW: 3999
WHITE RJ: 4000
WHITE WF: 1164
WHITFIELD JF: 4001
WHITFIELD M: 1644
WHITLOCK RM: 904
WHITMOYER DI: 993
WHITTEN WK: 1627, 2478
WHITTINGHAM S: 2433
WHYBROW P: 1353
WIBELL L: 1389
WICK G: 3171
WIDE L: 183, 1533, 2250, 2715, 2781
WIDSTROM A: 4002
WIEDERHOLT M: 4003
WIEGELMANN W: 4004
WIELAND O: 1387
WIELAND RG: 4005
WIENER S: 3623
WIEST WG: 777-778, 3005
WIETHOLD G: 2132
WIGGLESWORTH NM: 3479
WILBER J: 4006
WILBER JF: 2619
WILCE PA: 2324
WILCZEK H: 4007
WILD W: 4008
WILDMEISTER W: 4004
WILDSCHUT J: 4009
WILHELMI E: 3182
WILJASALO M: 4010
WILJASALO S: 4010
WILK M: 4011
WILKERSON RD: 1230
WILKINS J: 1749
WILKINSON JS: 2393
WILKINSON R: 4012
WILKS JW: 4013
WILLCOX PA: 4014
WILLIAMS A: 591
WILLIAMS BR: 1951
WILLIAMS D: 356
WILLIAMS DH: 3483
WILLIAMS EW: 1442
WILLIAMS JA: 2406
WILLIAMS M: 788
WILLIAMS R: 4015
WILLIS GW: 4016
WILLIS JS: 4017
WILLOUGHBY ML: 4018
WILLS ED: 1940
WILROY RS: 936
WILSON DG: 3150
WILSON DR: 1053
WILSON FE: 792
WILSON JD: 4019-4021
WILSON JF: 2719
WILSON JP: 4022
WILSON JW: 422
WILSON JW JR: 4023
WILSON SP: 4024
WILSON TE: 2428
WILSON VB: 359
WILSON WB: 4025
WILTSHAW E: 3162
WINAWER SJ: 1926
WINCHENNE JJ: 371
WINCKELMANN G: 4026
WINDER WW: 4027
WINDHEUSER JJ: 322
WINDISCHBAUER G: 4028
WINDTHORST H: 3083
WINFIELD C: 591
WINGERD J: 3297
WINICK M: 3861
WINISDOERFFER G: 1439, 1827
WINK A: 4029
WINKLER K: 4030-4031
WINNICKI S: 4127
WINSTON MA: 3967
WINTER D: 2729
WINTER RB: 3886
WINTERSGILL CJ: 2291
WINTHER O: 1013
WIQVIST N: 516, 4032
WISE EM JR: 4033
WISE L: 4034
WISEMAN EH: 4035
WISNIEWSKI L: 2010
WITSCHI E: 2201
WITSCHI H: 515, 1700
WITTE ON: 4036
WITTER RF: 3528
WITTING WC: 4037
WITTKOWER ED: 4038
WITTOUCK PJ: 4039
WITWICKI T: 4040
WITZLEB E: 4041
WOCHNIK-DYJAS D: 4042
WODZICKA-TOMASZEWSKA M: 436, 3596, 4043
WOESSNER JF JR: 3184
WOHL A: 1977
WOJCIECHOWSKI L: 4044
WOJNAR J: 1819
WOJTCZAK AB: 4045
WOJTCZAK L: 4045
WOLD WS: 4046
WOLF A: 2505
WOLF AP: 123
WOLF F: 489
WOLF RO: 4047
WOLFE LS: 1266
WOLFF DJ: 4048
WOLFF E: 4049
WOLFF HP: 4050
WOLFF SM: 343, 3438
WOLLER P: 1552
WOLNA M: 3437
WONG CT: 4051
WONG DT: 4052
WONG E: 2354
WONG IG: 151
WONG MD: 4053
WONG MF: 790
WONG TW: 1648, 4054-4055
WOOD RF: 886-887
WOOD SJ: 4056
WOOD WG: 3511
WOODHEAD C: 126
WOODHEAD DM: 4057
WOODHEAD JS: 676
WOODHOUSE NJ: 3427
WOODLING BA: 1294
WOODS CG: 332
WOODS JE: 4058
WOODSON B: 2161
WOODWARD G: 534
WOOLER GH: 1609
WOOLVERTON WC: 4059
WOOTEN WW: 4060
WORK BA JR: 4037
WORSFOLD M: 2865
WORTMANN W: 3771
WOTIZ HH: 3921, 4061
WOTMAN S: 4062
WRAY HL: 4063
WRIGHT JA: 3745, 4064
WRONISZEWSKA A: 4045
WU FY: 4065
WU JT: 4066
WULF KH: 310
WURSTER DH: 4067
WURTMAN RJ: 3127
WUTHIER RE: 4068

WUTTKE W: 2425, 4069
WYATT AC: 3368
WYNGARDEN LJ: 1917
WYRWICKA W: 4070
WYSOCKI H: 490

X

XAVIER F: 4155

Y

YACKZAN KS: 4108
YADAV M: 4071
YAGER H: 1134
YAJIMA G: 1512
YALOW RS: 4072
YAMADA K: 1630, 3805, 4073
YAMADA M: 2402, 4074
YAMADA N: 2591
YAMADA T: 2755, 4075
YAMAKAWA T: 1710
YAMAMOTO H: 4076
YAMAMOTO K: 3769, 4077-4078
YAMAMOTO M: 891
YAMAMOTO S: 3244, 4079-4080
YAMAMOTO T: 4081-4082
YAMAMURA H: 1702, 3391, 4083
YAMANAKA H: 4084
YAMASAKI K: 9
YAMASHITA J: 4085
YAMASHITA Y: 3390
YAMAUCHI K: 1507
YAMAUCHI Y: 1162
YAMAZAKI I: 1164
YANAGISAWA T: 1699
YANAIHARA T: 1849, 4086
YANASE M: 1868
YANEZ POLO MA: 4087
YANG HF: 2112
YANG MG: 4088
YANG WH: 4089
YANTORNO C: 4090
YAO JK: 4091
YAROM R: 4092
YASUE S: 2402
YASUMOTO M: 2750
YASUMURA M: 1945
YASUNOBU KT: 3680
YATANI T: 2723, 3396, 4093, 4103
YATVIN MB: 2923
YAVERBAUM S: 370
YEADON A: 165
YEH SJ: 4094
YEN SS: 1800
YEOMAN LC: 4095
YING SY: 4096-4097
YIUM JJ: 1323
YLOSTALO P: 1863
YODER RM: 2882
YOKOTA T: 2635
YOKOTA Y: 3394
YOKOYAMA K: 2733
YOKOYAMA T: 3655
YORK DA: 437, 4098
YORK DH: 2382, 4099
YOSHIDA N: 2328
YOSHIDA T: 2594, 3659, 4100
YOSHIKAWA-FUKADA M: 4101
YOSHIMI T: 1971, 2627
YOSHIMURA H: 4102
YOSHIMURA M: 2723, 3395-3396, 4093, 4102-4103
YOSHIMURA S: 3400, 4104
YOSHINAGA K: 863, 2277
YOSHINARE S: 3803
YOSIZAWA Z: 8
YOUNG E: 212
YOUNG F: 2754
YOUNG H: 3097
YOUNG LS: 1890
YOUNG RC: 537
YOUNG RS: 4105
YOUNG RW: 4106
YOUNG S: 3678
YOUNOSZAI MK: 4107
YOUSEF MK: 4108
YOUSSEFNEJADIAN E: 4109
YU NW: 4110
YU W: 4111
YUDKIN J: 4112
YUN TK: 1072
YUNIS EJ: 1536
YUSSIN A: 2254
YUWILER A: 4113

Z

ZABRIK ME: 831
ZACH L: 4114
ZACHARJASIEWICZ I: 4040
ZADUNAISKY JA: 1934
ZAENTZ SD: 2004
ZAHARIA F: 2497
ZAICHIK VE: 4115
ZAJGNER J: 1325
ZAKHARIA HS: 4116
ZAKHAROV AF: 4117
ZAKHARZHEVSKAIA NP: 955
ZAKRZEWSKI M: 4118
ZAKS MG: 4119
ZALIN RJ: 4120
ZALUSKA H: 4045
ZAMENHOF S: 4121
ZAMICK P: 4122
ZAMPAGLIONE NG: 1466
ZAMRAZIL V: 2659
ZANARTU J: 4123
ZANEVELD LJ: 4124
ZANINOVICH A: 4125
ZANNINI G: 4126
ZAORAL M: 2764
ZAPASNIK-KOBIERSKA MH: 4127
ZAR MA: 64
ZARA C: 3065, 4128-4129
ZARATE A: 4130
ZARROW MX: 2819
ZAUN H: 4131
ZAVADIL M: 4132
ZAWADA W: 4159
ZDEBSKA E: 2327
ZDEBSKI Z: 3798
ZECH P: 4133
ZEIBEKIS N: 2005
ZEIS A: 3981
ZEITZ L: 4134
ZELENKA L: 3649
ZELEWSKI L: 45
ZELIKSON BB: 1717
ZELLER EA: 2641
ZELLWEGER H: 4135
ZEMAN V: 2659
ZEMJANIS R: 96
ZEMLAN FP: 4136
ZERNAHLE K: 2022
ZERTSALOVA GN: 1898
ZESKOV P: 4137
ZETTERLUND CG: 3540
ZETTLER CG: 3066
ZHUKOVA DIA: 4138
ZHUKOVA NI: 4139
ZIEGLER DK: 3186
ZIEGLER R: 4140
ZIEMLANSKI S: 4141
ZIESERL JF JR: 137
ZIETKOWSKA C: 3151
ZIEVE FJ: 4142
ZIGMOND RE: 4143
ZILE M: 4144
ZIMEL H: 4145
ZIMMER R: 1212
ZIMMERMAN RE: 4146
ZIMMERMANN E: 4147
ZIMMERMANN H: 3535
ZIMMERMANN HD: 1005
ZIMMERMANN S: 218
ZIMPRICH H: 2987
ZINDER O: 4092
ZIPPER J: 2423
ZIPPER JA: 4148
ZIVANOVIC S: 1798
ZLATIN RS: 4149
ZLOTNIK G: 4150
ZOLLMAN PE: 2658
ZOLT N: 4151
ZOOK BC: 4152
ZOPPETTI G: 742
ZORN EM: 4005
ZOUMBOULAKIS D: 4153
ZOURLAS PA: 4154
ZSIGMOND G: 3788
ZUBER-VOGELI M: 4155
ZUCCHELLI GC: 2337
ZUCK TF: 4156
ZUCKER MB: 4157
ZUCKERBERG C: 4158
ZUKOWSKI W: 4159
ZUMPE D: 2460
ZURHEIN GM: 2719
ZURIER R: 405
ZVAIGZNE O: 846
ZWAHR C: 3226, 4160
ZWEYMULLER K: 4161
ZYL J VON: 1379

☆U.S. GOVERNMENT PRINTING OFFICE: 1973-543-944/1

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here , enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here , enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A–03
BETHESDA, MARYLAND 20014

Individual copies should be purchased from the Superintendent of Documents.

DHEW Publication No. (NIH) 74-273

Vet Med

ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

THE LIBRARY OF THE
JUL 26 1974
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

S. DEPARTMENT OF
EALTH, EDUCATION, AND WELFARE
blic Health Service
tional Institutes of Health

JULY-AUGUST 1973
VOLUME 6, NO. 4

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then use in the Author and Subject Indexes to enable the reade to identify references with ease. The complete citation (including index terms) are found but only the firs three authors are listed. Foreign titles appear in th original language; these titles have been translate into English in the Subject Section. Following eac citation are index terms which have been assigned t describe the contents of the article. Index terms appea in capital letters; some of these are accompanied b subheadings which appear in lower case letters. Aste isks (*) identify the index terms under which article appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appear ing in the bibliography are listed, followed by citatio numbers which correspond to the numbers in the Autho Section. The Subject Index is included for the con venience of the reader who wishes to select article falling in categories of his own conception. For ex ample, one who is interested in protein binding of a particular hormone could quickly find whether ther were any articles dealing with this subject by determin ing if there were any citation numbers common to th two headings "protein binding" and the name of th specific hormone.

Author Index

The names of all authors are listed, followed by citatio numbers which correspond to the numbers in the Autho Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Office
Endocrinology Index
National Institute of Arthritis, Metabolism, and Digestive Diseases
National Institutes of Health
Building 31, Room 9A–03
Bethesda, Maryland 20014

Other individuals and libraries may receive this publication by subscribing *directly* to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes 6 bimonthly issues. Subscription price per year in the United States, Canada, and Mexico, $29.00; foreign, $7.25 additional; and $5.00 for a single copy. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

Edited by

Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

DHEW Publication No. (NIH) 74-273

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

Table of Contents

CATEGORY 1: PITUITARY

Page

I. Physical and Functional Aspects
- Pituitary Gland 1
- Pituitary Gland Function Tests* 7
  - Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)
- Pituitary Gland Irradiation 7
- Pituitary Gland, Posterior. 7

I. Disorders of the Pituitary Gland
- Acromegaly. 9
- Adenoma, Basophilic 9
- Adenoma, Chromophobe. 9
- Adenoma, Eosinophilic 10
- Chiari-Frommel Syndrome 10
- Craniopharyngioma 10
- Diabetes Insipidus. 11
- Dwarfism* 11
- Dwarfism, Pituitary 12
- Froehlich's Syndrome. . . . . -
- Gigantism 12
- Hyperpituitarism* 13
- Hypopituitarism*. 13
- Hypothalamo-Hypophyseal System, Abnormalities and Injuries. . . . . -
- Infantilism 13
- Pituitary Diseases* 13
- Pituitary Gland, Abnormalities and Injuries 14
- Pituitary Gland, Posterior, Abnormalities and Injuries. . . . . -
- Pituitary Neoplasms*. 14
- Sheehan's Syndrome. 15

I. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs
- Corticotropin (ACTH). 16
- Follicle Stimulating Hormone (FSH). 19
- Gonadotropins*. 22
- Gonadotropins, Pituitary* 23
- Luteinizing Hormone (LH), (ICSH). 24
- Lipotropins 28
- Menotropins 28
- Melanocyte Stimulating Hormone (MSH). 28
- Neurophysins. 29

:e also more specific terms

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued) Page
Oxytocics 29
Oxytocin. 29
Phelypressin. . . . . -
Pituitary Hormones. 30
Pituitary Hormones, Anterior* 31
Pituitary Hormones, Posterior*. 31
Prolactin 31
Somatotropin (GH) 34
Thyrotropin (TSH) 37
Vasopressin (ADH) 39
Vasotocin 41

IV. Related Topics
Cyclofenil (F-6066) 42
Hypophysectomy. 42
Lactation 42
Somatomedin (Sulfation Factor). 44

CATEGORY 2: THYROID

I. Physical and Functional Aspects
Thyroid Gland 45
Thyroid Gland Function Tests* 50
Basal Metabolism
(See SUBJECT INDEX)
Protein Bound Iodine Test
(See V. Related Topics)
Thyroidectomy 51

II. Disorders of the Thyroid Gland
Cretinism 54
Goiter* 54
Goiter, Endemic 55
Goiter, Exophthalmic. 56
Goiter, Nodular 57
Goiter, Substernal. 57
Hyperthyroidism*. 57
Hypothyroidism* 60
Myxedema. 62
Thyroid Crisis. 63
Thyroid Diseases* 63
Thyroid Gland, Abnormalities and Injuries 64
Thyroid Neoplasms 64
Thyroiditis 67
Thyroiditis, Lymphomatous 67

*See also more specific terms

Page

. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Dextrothyroxine. 68
Diiodotyrosine 68
Iodotyrosine 68
Thyrocalcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Thyroglobulin. 68
Thyroid Hormones*. 69
Thyronine. 70
Thyroxine. 70
Triiodothyronine 72

. Thyroid Antagonists and Inhibitors
Carbimazole. 75
Methimazole. 75
Methylthiouracil 75
Propylthiouracil 75
Thiouracil 75
Thyroid Antagonists* 76

. Related Topics
Exophthalmos 77
Exophthalmos Producing Substance (EPS) . . . . . -
Iodides 77
Iodine 78
Iodoproteins 80
Long-Acting Thyroid Stimulator (LATS). 80
Protein-Bound Iodine Test. 80
Thyroxine-Binding Protein. 81

CATEGORY 3: ADRENAL

. Physical and Functional Aspects
Adrenal Glands 82
Adrenalectomy. 90
Pituitary-Adrenal Function Tests 91

. Disorders of the Adrenal Glands
Addison's Disease. 92
Adenoma, Virilizing. 92
Adrenal Cortical Rest Tumor. 92

e also more specific terms

Pag

II. Disorders of the Adrenal Glands (Continued)
Adrenal Gland Diseases* 92
Adrenal Gland Hyperfunction*. 93
Adrenal Gland Hypofunction* 94
Adrenal Gland Neoplasms*. 94
Adrenal Glands, Abnormalities and Injuries. 96
Adrenogenital Syndrome. 96
Cushing's Syndrome. 97
Hyperaldosteronism. 98
Waterhouse-Friderichsen Syndrome. 99

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
Adrenal Cortex Hormones*. 10
Aldosterone 10
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androsterone. 10
Betamethasone 10
Corticosterone. 10
Cortisone 10
Dehydroepiandrosterone. 10
Desoxycorticosterone. 11
Dexamethasone 11
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Etiocholanolone 11
Fludrocortisone 11
Flumethasone. 11
Fluocinolone Acetonide. 11
Fluorometholone . . . . . .
Fluprednisolone . . . . . .
Flurandrenolone . . . . . .
Glucocorticoids*. 11
Hydrocortisone. 11
Hydrocortisone, Topical 12
17-Hydroxycorticosteroids 12
Hydroxycorticosteroids. 12
Hydroxypregnenolone (See CATEGORY 4: GONADS)
Hydroxyprogesterone (See CATEGORY 4: GONADS)
17-Ketosteroids 12
Ketosteroids. 12

*See also more specific terms

Page

II. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Methylprednisolone. 124
Mineralocorticoids* 125
Paramethasone 125
Prednisolone. 125
Prednisolone, Topical 127
Prednisone. 127
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol 130
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Triamcinolone 130
Triamcinolone Acetonide 131

IV. Related Topics
Aminoglutethimide 132
DDD 132
Metyrapone. 133
Pituitary-Adrenal System. 133
Renin 134
Spironolactone. 136
Transcortin 136

V. Adrenal Medulla
Adrenal Medulla 138
Adrenochrome. 139
Catecholamines* 139
Chromaffin System 140
Dopa. 140
Dopamine. 140
Epinephrine 140
Hydroxydopamine 141
Isoproterenol . . . . . -
Methyldopa. . . . . -
Norepinephrine. 141
Normetanephrine 142
Pheochromocytoma. 142
Vanilmandelic Adic. 143

ee also more specific terms

CATEGORY 4: GONADS

I. Physical and Functional Aspects
Gonads* 144
Ovary
Corpus Luteum 145
Graafian Follicle 146
Ovary*. 147
Testis
Leydig Cells. 152
Sertoli Cells 152
Testis* 152

II. Disorders of the Gonads
Arrhenoblastoma 158
Bonnevie-Ullrich Syndrome 158
Brenner Tumor . . . . . -
Corpus Luteum, Abnormalities and Injuries . . . . . -
Corpus Luteum Cyst. . . . . -
Cryptorchism. 158
Disgerminoma. 159
Eunuchism 160
Gonads, Abnormalities and Injuries. 160
Graafian Follicle, Abnormalities and Injuries . . . . . -
Granulosa Cell Tumor. 160
Gynandroblastoma. . . . . -
Hermaphroditism 160
Hypogonadism* 160
Infantilism (See CATEGORY 1: PITUITARY)
Klinefelter's Syndrome. 161
Leydig Cells, Abnormalities and Injuries. . . . . -
Leydig Cell Tumor 162
Meig's Syndrome . . . . . -
Ovarian Cysts 162
Ovarian Diseases* 162
Ovarian Neoplasms*. 163
Ovary, Abnormalities and Injuries 165
Pseudohermaphroditism 165
Puberty, Precocious 165
Sertoli Cell Tumor. . . . . -
Sertoli Cells, Abnormalities and Injuries . . . . . -
Sex Chromosome Abnormalities. 166

*See also more specific terms

Page

. Disorders of the Gonads (Continued)
Sex Differentiation Disorders 167
Stein-Leventhal Syndrome. 167
Struma Ovarii . . . . . -
Testicular Diseases*. 167
Testicular Feminization 168
Testicular Neoplasms* 168
Testis, Abnormalities and Injuries. 169
Theca Cell Tumor. 169
Turner's Syndrome 170

. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs
Anabolic Steroids*. 171
Androgens*. 171
Androstanes*. 173
Androstenes*. 173
Androstenol 174
Androsterone (See CATEGORY 3: ANDRENAL)
Chlormadinone 174
Chlorotrianisene. 175
Clomiphene. 175
Contraceptives, Oral* 175
Contraceptives, Postcoital. 178
Corpus Luteum Hormones. . . . . -
Cronolone 178
Cyproterone 178
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol. 178
Dihydroxyprogesterone 179
Dimethisterone. 179
Dromostanolone. . . . . -
Dydrogesterone. 180
Estradiol 180
Estranes. 184
Estriol 184
Estrogenic Substances, Conjugated 185
Estrogens*. 186
Estrone 190
Ethinyl Estradiol 191
Ethisterone 192
Ethylestrenol 192

ee also more specific terms

Page

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Ethynodiol Diacetate 192
Etiocholanolone (See CATEGORY 3: ADRENAL)
Fertility Agents. 192
Fluorometholone . . . . . -
Fluoxymesterone 192
Gonanes*. 193
Hexestrol 193
Hydroxymethyltestosterone . . . . . -
Hydroxypregnenolone 193
Hydroxyprogesterone 193
17-Ketosteroids (See CATEGORY 3: ADRENAL)
Lynestrenol 193
Medroxyprogesterone 194
Megestrol 194
Menotropins (See CATEGORY 3: ADRENAL)
Mestranol 194
Methandrostenolone. 195
Methenolone 195
Methyltestosterone. 195
Nandrolone. 196
Norethandrolone 196
Norethindrone 196
Norethynodrel 196
Norgestrel. 196
Normethandrolone. . . . . -
Oxandrolone 197
Oxymetholone. 197
Pregnanediol. 197
Pregnanes*. 197
Pregnanetriol (See CATEGORY 3: ADRENAL)
Pregnenes*. 198
Pregnenolone. 199
Progestational Hormones 199
Progesterone. 200
Relaxin 205
Sex Hormones* 205
Stanolone 205
Stanozolol. 206
Testolactone. . . . . -
Testosterone. 206

*See also more specific terms

Page

V. Related Topics
Castration. 211
Estrus. 211
Feminization. 212
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 212
Puberty 213
Sex Chromatin 214
Sex Chromosomes 214
Sex Determination 216
Sex Reversal, Gonadal . . . . . -

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects. 217

I. Disorders of the Placenta
Chorioadenoma 219
Choriocarcinoma 219
Hydatidiform Mole 219
Placenta, Abnormalities and Injuries. 220
Placenta Disorders. 220
Trophoblastic Tumor 221

I. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
Gonadotropins, Chorionic. 222
Gonadotropins, Equine 224
Placental Extracts. 224
Placental Hormones* 224
Placental Lactogen. 224
Somatomammotropin 225

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects. 226

I. Disorders of the Parathyroid Glands
Hyperparathyroidism 228
Hyperparathyroidism, Secondary. 229
Hypoparathyroidism. 230
Parathyroid Diseases* 230
Parathyroid Glands, Abnormalities and Injuries. 230
Parathyroid Neoplasms 230

ee also more specific terms

Pag

III. Parathyroid Hormone. 23

IV. Bone Metabolism and Related Topics
Bone and Bones. 23
Calcification, Physiologic. 23
Calcium Metabolism. 23
Cholecalciferol 24
Dihydrotachysterol. 24
Ergocalciferol. 24
Ergosterol. 24
Hydroxycholecalciferol. 24
Hypercalemia. 24
Osteogenesis Imperfecta 24
Osteomalacia. 24
Osteopetrosis 24
Osteoporosis. 24
Pseudohypoparathyroidism. 24
Pseudopseudohypoparathyroidism. 24
Renal Osteodystrophy. 24
Rickets 24
Rickets, Vitamin D Resistant. 24
Tetany. 24
Thyrocalcitonin (Calcitonin). 24
Vitamin A 24
Vitamin D 24
Vitamin D Deficiency. 25

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
Amygdaloid Body 25
Hypothalamo-Hypophyseal System. 25
Hypothalamus. 25
Neurosecretory Systems. 25
Pineal Body 25

II. Disorders of the Amygdaloid Body
Amygdaloid Body, Abnormalities and Injuries 26
Hypothalamus, Abnormalities and Injuries. 26
Pineal Body, Abnormalities and Injuries 26
Pinealoma 26

Page

II. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Factor (CRF). 261
Melatonin 261
Pituitary Hormone Releasing Factors*. 261
Thyrotropin Releasing Factor (TRF). 262

IV. Related Topics
UCLA Brain Information Service Citations. 264

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic 3', 5' Monophosphate 306
Guanosine Cyclic 3', 5' Monophosphate 311

CATEGORY 9: APPENDIX

Adenyl Cyclase. 312
Guanyl Cyclase. 313
Hormones, Ectopic 313
Neoplastic Endocrine-like Syndromes 313
Nerve Growth Factor 314
Prostaglandins. 314
Receptors, Hormone. 320
Toxohormones. . . . . ---

EVIEW SECTION 321

ETHOD SECTION 324

URRENT CATALOG SELECTIONS 336

UTHOR SECTION A-1

UBJECT INDEX. A-355

UTHOR INDEX A-397

See also more specific terms

1. Physical and Functional Aspects

PITUITARY GLAND

Adenohypophysial necrosis in routine autopsies. Kovacs K. Endokrinologie 60:309-16, 1972

Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus. Imai K. J Reprod Fertil 33:91-8, Apr 73

Effect of temperature and keeping time of female sturgeons in captivity on maturation of oocytes under the influence of hormones in vitro. Davydova SI. Sov J Dev Biol 3:339-44, Jul-Aug 72

[Binding of 17-alpha-ethinyl estradiol and mestranol to uterine and pituitary gland receptors of the rat in vitro] Schubert K, et al.
Endokrinologie 61:9-12, 1973 (Eng. Abstr.) (Ger)

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. 1. The fertile age] Aakvaag A.
Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Eng. Abstr.) (Nor)

[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH.
Tidsskr Nor Laegeforen 92:2208-14, 20 Nov 72 (Eng. Abstr.) (Nor)

[Epicritical hyperesthesia in the clinical picture of organic brain lesions] Shogam II.
Zh Nevropatol Psikhiatr 12:1852-7, 1972 (Eng. Abstr.) (Rus)

ABNORMALITIES

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73

ANALYSIS

An improved method of isolation of crystalline basic trypsin inhibitor from bovine tissues. Wilusz T, et al.
Acta Biochim Pol 20:25-31, 1973

Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat. Ben-David M, et al.
Acta Endocrinol (Kbh) 72:654-62, Apr 73

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al.
Am J Vet Res 34:631-6, May 73

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al.
Anat Rec 175:529-37, Mar 73

Human pituitary thyrotropin: isolation and chemical characterization of its subunits. Sairam MR, et al.
Biochem Biophys Res Commun 51:336-42, 17 Mar 73

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al.
Endocrinology 92:1419-25, May 73

Studies of neurophysin secreting neurons with immunoperoxidase techniques employing antibody to bovine neurophysin. I. Light microscopic findings in monkey and bovine tissues. Zimmerman EA, et al.
Endocrinology 92:931-40, Mar 73

Isolation, purification and characterization of equine growth hormone. Conde RD, et al.
Eur J Biochem 32:563-8, 1 Feb 73

Biological and immunochemical studies with growth hormone in pituitary extracts of elasmobranchs. Hayashida T. Gen Comp Endocrinol 20:377-85, Apr 73

Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. Indian J Exp Biol 10:360-1, Sep 72

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al.
J Clin Endocrinol Metab 36:951-64, May 73

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. J Clin Endocrinol Metab 36:817-25, May 73

Cerebrospinal fluid and ependymal neurophysin. Robinson AG, et al. J Clin Invest 52:1260-7, May 73

Measurement of canine pituitary prolactin. Saluja PG, et al. J Endocrinol 56:245-58, Feb 73

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tal E, et al.
J Endocrinol 57:183-4, Apr 73

Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. Tal E, et al. J Endocrinol 57:181-2, Apr 73

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. J Endocrinol 56:599-608, Mar 73

The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al.
J Reprod Fertil 32:71-8, Jan 73

Effect of starvation on LH levels in male and female hamsters. Howland BE, et al.
J Reprod Fertil 32:505-7, Mar 73

The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al.
Physiol Behav 9:401-7, Sep 72

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72

Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al.
Steroids 21:483-96, Apr 73

Distribution of monoamines in the diencephalon and pituitary of the dogfish, Scyliorhinus canicula L. Wilson JF, et al.
Z Zellforsch Mikrosk Anat 137:451-69, 7 Mar 73

[Growth hormone (GH)] Matsuzaki S.
Clin Endocrinol (Tokyo) 21:129-35, Feb 73 (41 ref.) (Jap)

ANATOMY & HISTOLOGY

Pituitary weight and the histology of the prostate in elderly men. An analysis in an autopsy series. Haugen OA. Acta Pathol Microbiol Scand [A] 81:204-12, Mar 73

Biological activity of an indigenous plant preparation. Munshi SR, et al.
Indian J Physiol Pharmacol 16:181-9, Jul-Sep 72

Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and blood metabolite levels of steers. Borger ML, et al. J Anim Sci 36:706-11, Apr 73

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al.
Neuroendocrinology 11:156-76, 1973

The effect of female rat proximity on the reproductive

system of male rats. Purvis K, et al.
Physiol Behav 9:401-7, Sep 72

Physiological development of cockerels as influenced by selected wavelengths of environmental light. Foss DC, et al. **Poult Sci 51:1922-7, Nov 72**

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al.
Proc Soc Exp Biol Med 142:776-80, Mar 73

[Comparative micromorphology of the initial and final sections of the neurosecretory pathway of man, dog and rat] Meitner ER. **Anat Anz 132:325-31, 1972 (Ger)**

BLOOD SUPPLY

Adenohypophysial necrosis in routine autopsies. Kovacs K. **Endokrinologie 60:309-16, 1972**

[Hypothalamus--pituitary gland. Functional-anatomical aspects] Nyberg-Hansen R. **Tidsskr Nor Laegeforen 92:2137-41, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Ultrastructural bases of vascular permeability] Voitkevich AA, et al.
Usp Sovrem Biol 74:439-60, Nov-Dec 72 (69 ref.) (Rus)

CYTOLOGY

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Robyn C, et al.
Acta Endocrinol (Kbh) 72:625-42, Apr 73

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al.
Anat Rec 175:529-37, Mar 73

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al.
Aust J Biol Sci 25:1249-57, Dec 72

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. **Endocrinology 92:921-30, Mar 73**

Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. **Gen Comp Endocrinol 20:312-25, Apr 73**

Fine structure of the normal, transplanted and postmetamorphic pars distalis of the Mexican axolotl, Ambystoma mexicanum. Connelly TG.
Gen Comp Endocrinol 20:236-55, Apr 73

Foccicle boundary cells in the adenohypophysis of the chondrostean and holostean fishes: an ultrastructural study of their relationship to the follicular lumen, to endocrine cells, and to the hypophysial cleft. Lagios MD. **Gen Comp Endocrinol 20:362-76, Apr 73**

Hypothalamic-hypophysial relationships in the South American lungfish Lepidosiren paradoxa. Zambrano D, et al. **Gen Comp Endocrinol 20:256-73, Apr 73**

Growth and fine structure of monolayers derived from adult rat adenohypophyseal cell suspensions. Rappay G, et al. **In Vitro 8:301-6, Jan-Feb 73**

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al.
J Histochem Cytochem 21:253-65, Mar 73

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. **J Physiol (Lond) 230:10P-12P, Apr 73**

Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. **J Reprod Fertil 32:141-4, Jan 73**

Testosterone "receptors" in purified nuclei of rat anterior hypophysis. Jouan P, et al.
J Steroid Biochem 4:65-74, Jan 73

Release of neurohypophysial hormones by exocytosis. Matthews EK, et al.
Nature [New Biol] 241:86-8, 17 Jan 73

Role of hypothalamus on development of adenohypophysis: an electron microscopic study. Daikoku S, et al. **Neuroendocrinology 11:284-305, 1973**

Pars intermedia of the hypophysis of rats after early-postnatal lesions of the basal hypothalamus: quantitative and qualitative observations. Ooki T, et al. **Neuroendocrinology 11:22-45, 1973**

Agranular stellate cells (so-called follicular cells) in human fetal and adult adenohypophysis and in pituitary adenoma. Fukuda T.
Virchows Arch [Pathol Anat] 359:19-30, 20 Mar 73

The ultrastructure of the pars distalis of the hypophysis in males of Triturus cristatus carnifex Laur., treated with the antiandrogen cyproterone acetate. Della Corte F, et al.
Z Zellforsch Mikrosk Anat 137:209-21, 12 Feb 73

Ultrastructure of the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell. Pearson AK, et al. **Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73**

Distribution of monoamines in the diencephalon and pituitary of the dogfish, Scyliorhinus canicula L. Wilson JF, et al.
Z Zellforsch Mikrosk Anat 137:451-69, 7 Mar 73

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Del Conte E.
Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al.
Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)

[Changes in the amount of neurosecretion under experimental conditions] Prokšova EG, et al.
Anat Anz 132:315-24, 1972 (Ger)

[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

[Histology and histopathology of the hypophysis] Loken AC.
Tidsskr Nor Laegeforen 92:2142-6, 20 Nov 72 (Eng. Abstr.) (Nor)

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Chemical methods of male contraception. Jackson H.
Am Sci 61:188-93, Mar-Apr 73

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al.
Aust J Biol Sci 25:1249-57, Dec 72

Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al.
Biochem Biophys Res Commun 51:100-6, 5 Mar 73

The incorporation of (3 H)glucosamine, (3 H)fucose and (14 C)mannose into protein in the rat anterior pituitary incubated in vitro. Todd JM, et al.
Biochim Biophys Acta 297:11-21, 24 Jan 73

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al.
Biol Reprod 8:378-87, Apr 73

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al.
Endocrinology 92:1507-14, May 73

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73

Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary. Fleischer N, et al.
Endocrinology 92:1555-9, May 73

Temporal patterns of LH release following graded preoptic electrochemical stimulation in proestrous rats. Turgeon J, et al. **Endocrinology 92:755-61, Mar 73**

Regional responses of the pituitary to corticotropin-releasing factor (CRF) and ammonium ions. Wei E, et al. **Endocrinology 92:710-5, Mar 73**

Fine structure of the normal, transplanted and postmetamorphic pars distalis of the Mexican axolotl, Ambystoma mexicanum. Connelly TG.
Gen Comp Endocrinol 20:236-55, Apr 73

Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. **Indian J Exp Biol 10:360-1, Sep 72**

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM.
Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

Variations in pituitary responsiveness to luteinizing

hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. J Endocrinol 57:187-8, Apr 73

Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking. Hart IC.
J Endocrinol 57:179-80, Apr 73

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. J Endocrinol 55:31-40, Oct 72

Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. Tal E, et al. J Endocrinol 57:181-2, Apr 73

Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73

The treatment of endometriosis with Danazol. Friedlander RL. J Reprod Med 10:197-9, Apr 73

Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. J Reprod Med 10:193-6, Apr 73

Fall in plasma-testosterone levels in normal male subjects in response to an oral glucose load. Wall JR, et al. Lancet 1:967-8, 5 May 73

Alteration of sexual behavior and sex accessory glands by p-chlorophenylalanine and testosterone. Gawienowski AM, et al. Life Sci [I] 12:307-15, 1 Apr 73

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al. Nature [New Biol] 241:247-9, 21 Feb 73

Release of neurohypophysial hormones by exocytosis. Matthews EK, et al.
Nature [New Biol] 241:86-8, 17 Jan 73

Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Debeljuk L, et al. Neuroendocrinology 11:130-6, 1973

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al. Neuroendocrinology 11:156-76, 1973

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. Neuroendocrinology 11:46-56, 1973

Serum prolactin levels in humans from birth to adult life. Guyda HJ, et al. Pediatr Res 7:534-40, May 73

Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al.
Physiol Behav 10:35-40, Jan 73

The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al.
Proc Soc Exp Biol Med 143:260-4, May 73

The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al.
Proc Soc Exp Biol Med 142:1097-100, Apr 73

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al.
Prostaglandins 3:89-95, Jan 73

Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonadotrophin secretion. Orczyk GP, et al.
Prostaglandins 1:3-20, Jan 72

Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972

Effect of neonatal administration of noretbynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72

The ultrastructure of the pars distalis of the hypophysis in males of Triturus cristatus carnifex Laur., treated with the antiandrogen cyproterone acetate. Della Corte F, et al.
Z Zellforsch Mikrosk Anat 137:209-21, 12 Feb 73

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Del Conte E.
Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al.
Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)

[Partial growth hormone deficiency: endogenous growth hormone content and effect of exogenously administered human growth hormone] Butenandt O.
Klin Wochenschr 51:266-71, 15 Mar 73 (Eng. Abstr.) (Ger)

[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)

[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)

[Should ACTH be given after finished corticosteroid therapy?] Frey H.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)

EMBRYOLOGY

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. J Physiol (Lond) 230:10P-12P, Apr 73

Role of hypothalamus on development of adenohypophysis: an electron microscopic study. Daikoku S, et al. Neuroendocrinology 11:284-305, 1973

Agranular stellate cells (so-called follicular cells) in human fetal and adult adenohypophysis and in pituitary adenoma. Fukuda T.
Virchows Arch [Pathol Anat] 359:19-30, 20 Mar 73

[Isolation of a cell clone secreting human somatotropic hormone in tissue culture] Hartemann P, et al.
C R Soc Biol (Paris) 166:1053-9, 1972 (Fre)

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

[Growth hormone (GH)] Matsuzaki S.
Clin Endocrinol (Tokyo) 21:129-35, Feb 73 (41 ref.) (Jap)

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)

[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)

ENZYMOLOGY

Purification and properties of nucleases from pig pituitary gland. Petryniak J, et al.
Acta Biochim Pol 20:3-14, 1973

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. Cancer Res 33:843-8, Apr 73

The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions. Parvez H, et al.
J Neurochem 20:1011-20, Apr 73

Distribution and properties of angiotensin converting enzyme of rat brain. Yang HY, et al.
J Neurochem 19:2443-50, Oct 72

Release of neurohypophysial hormones by exocytosis. Matthews EK, et al.
Nature [New Biol] 241:86-8, 17 Jan 73

GROWTH & DEVELOPMENT

Amino acid incorporation in vitro into proteins of cerebral cortex and anterior pituitary gland of

developing normal and hypothyroid rats. Szijan I, et al. Neurobiology 2:31-4, 1972

Role of hypothalamus on development of adenohypophysis: an electron microscopic study. Daikoku S, et al. Neuroendocrinology 11:284-305, 1973

Pars intermedia of the hypophysis of rats after early-postnatal lesions of the basal hypothalamus: quantitative and qualitative observations. Ooki T, et al. Neuroendocrinology 11:22-45, 1973

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V. Rev Czech Med 19:3-14, 1973

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72

IMMUNOLOGY

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Robyn C, et al. Acta Endocrinol (Kbh) 72:625-42, Apr 73

[On the antigenicity of some injectable tissue extracts. II] Cirstea M, et al. Fiziol Norm Patol 19:157-64, Mar-Apr 73 (Eng. Abstr.) (Rum)

INJURIES

[Hypophyseal stalk rupture] Eisele R. Beitr Gerichtl Med 30:93-6, 1973 (Eng. Abstr.) (Ger)

[Accident document. Brain injury--pernicious anemia--traumatic anteriopituitary insufficiency?] Meinecke FW. Monatsschr Unfallheilkd 76:138-43, Mar 73 (Ger)

INNERVATION

Hypothalamic-hypophysial relationships in the South American lungfish Lepidosiren paradoxa. Zambrano D, et al. Gen Comp Endocrinol 20:256-73, Apr 73

METABOLISM

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al. Aust J Biol Sci 25:1249-57, Dec 72

The incorporation of (3 H)glucosamine, (3 H)fucose and (14 C)mannose into protein in the rat anterior pituitary incubated in vitro. Todd JM, et al. Biochim Biophys Acta 297:11-21, 24 Jan 73

Observations on the epidemiology of simple hypospadias. Roberts CJ, et al. Br Med J 1:768-70, 31 Mar 73

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al. Brain Res 53:139-50, 13 Apr 73

Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary. Fleischer N, et al. Endocrinology 92:1555-9, May 73

Regional responses of the pituitary to corticotropin-releasing factor (CRF) and ammonium ions. Wei E, et al. Endocrinology 92:710-5, Mar 73

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Wilber JF, et al. Endocrinology 92:888-93, Mar 73

Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. Gen Comp Endocrinol 20:312-25, Apr 73

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM. Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al. J Biol Chem 248:1598-602, 10 Mar 73

Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73

Promotion of pituitary prolactin release in rats by dibutyryl adenosine 3',5'-monophosphate. Nagasawa H, et al. J Endocrinol 55:215-6, Oct 72

Testosterone "receptors" in purified nuclei of rat anterior hypophysis. Jouan P, et al. J Steroid Biochem 4:65-74, Jan 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. Lancet 808:855-7, 21 Apr 73

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al. Lipids 8:224-31, Apr 73

Amino acid incorporation in vitro into proteins of cerebral cortex and anterior pituitary gland of developing normal and hypothyroid rats. Szijan I, et al. Neurobiology 2:31-4, 1972

Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al. Neuroendocrinology 11:156-76, 1973

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. Neuroendocrinology 11:46-56, 1973

Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al. Neuroendocrinology 11:92-100, 1973

Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al. Physiol Behav 10:35-40, Jan 73

The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Mogilevsky JA, et al. Proc Soc Exp Biol Med 143:260-4, May 73

Responses in hypophysectomized rats implanted with plerocercoids of the tapeworm, Spirometra mansonoides. Ruegamer WR, et al. Proc Soc Exp Biol Med 143:133-7, May 73

Sexual steroid uptake in the alloxanized diabetic rat. Denari JH, et al. Steroids Lipids Res 3:151-5, 1972

Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al. Steroids 21:483-96, Apr 73

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al. Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)

[Hypothalamus--pituitary gland. Functional-anatomical aspects] Nyberg-Hansen R. Tidsskr Nor Laegeforen 92:2137-41, 20 Nov 72 (Eng. Abstr.) (Nor)

PATHOLOGY

Pituitary weight and the histology of the prostate in elderly men. An analysis in an autopsy series. Haugen OA. Acta Pathol Microbiol Scand [A] 81:204-12, Mar 73

The ubiquitous "empty" sella turcica. Kaufman B, et al. Acta Radiol [Diagn] (Stockh) 13:413-25, 1972

Pathologic quiz case. Alford BR, et al. Arch Otolaryngol 97:426-8, May 73

Squamous carcinoma arising in the pituitary gland. Salyer D, et al. Cancer 31:713-8, Mar 73

Pituitary apoplexy. Ill Med J 143:435-7, May 73

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73

Hepatic glycogen nuclei and endocrine system. Krus S. Pol Med J 11:1634-9, 1972

Agranular stellate cells (so-called follicular cells) in human fetal and adult adenohypophysis and in pituitary adenoma. Fukuda T. Virchows Arch [Pathol Anat] 359:19-30, 20 Mar 73

[Ultrastructural changes in the mouse adenohypophyseal gonadotropic cells following partial hepatectomy] Zotter S. Exp Pathol (Jena) 7:234-43, 1972 (Eng. Abstr.) (Ger)

[Histology and histopathology of the hypophysis] Loken AC. Tidsskr Nor Laegeforen 92:2142-6, 20 Nov 72 (Eng. Abstr.) (Nor)

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskiĭ OK, et al. Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)

PHYSIOLOGY

Diabetic angiopathy and neuropathy. A review with

special reference to circulation in the extremities, the effect of hypophysectomy on capillary resistance and capillary permeability, functional abnormalities in early diabetes. Christensen NJ.
Acta Med Scand [Suppl] 541:3-60, 1972 (244 ref.)
The effect of starvation on tissue adenosine 3'-5' monophosphate levels. Selawry H, et al.
Biochem Biophys Res Commun 51:198-204, 5 Mar 73
Effect of insulin and growth hormone on rat liver cyclic nucleotide phosphodiesterase. Thompson WJ, et al.
Biochemistry 12:1889-94, 8 May 73
Changes in acetylcholinesterase and distribution of degenerating fibres in the hippocampal region after septal lesions in the rat. Mellgren SI, et al.
Brain Res 52:19-36, 30 Mar 73
Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)
Expectancy and the pituitary-adrenal system. Levine S, et al. Ciba Found Symp 8:281-91, 1972
Action of growth hormone and thyroxine on aortas of hypophysectomized dogs. Brosnan ME, et al.
Diabetes 22:243-50, Apr 73
Peripheral levels of estrogen in the cyclic hamster. Baranczuk R, et al. Endocrinology 92:805-12, Mar 73
Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al.
Endocrinology 92:775-87, Mar 73
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metaholism in rats and hamsters. Colby HD, et al.
Endocrinology 92:769-74, Mar 73
Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Deheljuk L, et al. Endocrinology 92:921-30, Mar 73
Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al.
Endocrinology 92:840-6, Mar 73
Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al.
Endocrinology 92:1502-6, May 73
Regulation of luteal activity in neonatally castrated male rats hearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Temporal patterns of LH release following graded preoptic electrochemical stimulation in proestrous rats. Turgeon J, et al. Endocrinology 92:755-61, Mar 73
The pituitary gland and calcium metaholism in Fundulus diaphanus (teleostei). Pang PK, et al.
Gen Comp Endocrinol 20:358-61, Apr 73
Effect of adrenalectomy and hypophysectomy on the circadian rhythm of -hydroxy- -methylglutaryl coenzyme A reductase activity in rat liver. Edwards PA. J Biol Chem 248:2912-7, 25 Apr 73
Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73
Acquisition of conditioned avoidance responses hy hypophysectomized rats. Harris RK.
J Comp Physiol Psychol 82:254-60, Feh 73
Peripheral plasma levels of oxytocin and vasopressin in the mare during parturition. Allen WE, et al.
J Endocrinol 57:175-6, Apr 73
Inhibition of ovulation in the rat hy intrahypothalamic implants of an antioestrogen. Billard R, et al.
J Endocrinol 56:585-90, Mar 73
The effect of oestrogen and progesterone on uterine cell division and epithelial morphology in spayed-hypophysectomized rats. Clark BF.
J Endocrinol 56:341-2, Feh 73
Luteinizing hormone and progesterone in peripheral hlood during the ovulatory cycle of the hen Gallus domesticus. Furr BJ, et al.
J Endocrinol 57:159-69, Apr 73
Distrihution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73
Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the hlood of the goat at milking. Hart IC.
J Endocrinol 57:179-80, Apr 73
The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. J Endocrinol 57:63-744, Apr 73
Androgen-dependent synthesis of apiha-2u globulin in the rat: role of the pituitary gland. Roy AK.
J Endocrinol 56:295-301, Feh 73
Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73
Effect of unilateral ovariectomy on follicular growth in hypophysectomized rats treated with pregnant mare serum gonadotrophin. Welschen R.
J Endocrinol 55:227-8, Oct 72
Effect of hypophysectomy, isletectomy and ACTH on glycemia and hematocrit in the hullhead, Ictalurus melas. Chidambaram S, et al.
J Exp Zool 184:75-80, Apr 73
Pituitary-adrenal interaction and growth of the emhryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73
The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ehling FJ, et al. J Invest Dermatol 60:183-7, Apr 73
Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice. Bollengier WE, et al.
J Natl Cancer Inst 50:195-200, Jan 73
Effect of starvation on LH levels in male and female hamsters. Howland BE, et al.
J Reprod Fertil 32:505-7, Mar 73
The rôle of the pituitary in the development of the hlood-testis barrier in mice. Johnson MH.
J Reprod Fertil 32:509-11, Mar 73
End organ metaholism of testosterone. I. Effects of hypophysectomy and growth hormone. Moshang T Jr, et al. J Steroid Biochem 4:11-5, Jan 73
The role of the pituitary-adrenal-thyroid axes in lung differentiation. II. Biochemical studies of developing lung in anencephalic fetal rats. Blackhurn WR, et al.
Lab Invest 28:352-60, Mar 73
Studies on metaholism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al.
Lipids 8:224-31, Apr 73
Pituitary inhihition of pregnancy. Hearn JP.
Nature 241:207-8, 19 Jan 73
Early restoration of autotransplanted pituitary function as determined hy plasma progesterone concentrations. Ahmad N, et al.
Neuroendocrinology 11:101-6, 1973
Effect of lysine vasopressin and ACTH 4-10 on conditioned avoidance hehavior of hypophysectomized rats. Bohus B, et al.
Neuroendocrinology 11:137-48, 1973
Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus. Bouillé C, et al.
Neuroendocrinology 11:73-91, 1973
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feh 73 (60 ref.)
Investigations on the mode of action of endogenous mediator. Kampschmidt RF, et al.
Proc Soc Exp Biol Med 143:279-83, May 73
Possihle role of the hypothalamus in regulation of the adrenocortical and thyroid functions during emhryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72
Studies of the potency of polypeptides with ACTH action hy a new method hased on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972
Effect of FSH on the in vivo uptake of 3 H-testosterone hy rat seminiferous tuhules. Seilicovich A, et al.
Steroids Lipids Res 3:214-9, 1972
[Effect of simultaneous thymectomy and pinealectomy in newborn rats] Lapin V.
Exp Pathol (Jena) 7:342-4, 1972 (Ger)
[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)
[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feh 73 (100 ref.) (Jap)
[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feh 73 (27 ref.) (Jap)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feh 73 (Jap)
[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feh 73 (69 ref.) (Jap)

[Evaluation of pituitary function hy clinical bio-chemical assays] Norman N. **Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA. **Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)**

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following hilateral ovariectomy] Arendarčik J, et al. **Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)**

PHYSIOPATHOLOGY

Androgens and athletes. Frasier SD. **Am J Dis Child 125:479-80, Apr 73**

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**

The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Trihe AE, et al. **Aust NZ J Med 3:6-13, Feb 73**

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al. **Br Med J 2:147-9, 21 Apr 73**

Suppression of pituitary tumor growth and function hy ergot alkaloids. MacLeod RM, et al. **Cancer Res 33:849-55, Apr 73**

Listeric abortion studies in sheep. 3. Feto-placental-myometrial interaction. Njoku CO, et al. **Cornell Vet 63:193-210, Apr 73**

Endocrine studies with empty sella. Brisman R. **J Neurosurg 38:537, Apr 73**

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet 1:1021-4, 12 May 73**

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology 11:183-90, 1973**

Release of luteinizing hormone hy oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al. **Neuroendocrinology 11:57-66, 1973**

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skehel'skaya YB. **Sov J Dev Biol 3:188-93, May-Jun 72**

[The hypophysis in anorexia nervosa] Bassoe HH. **Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)**

[The role of the pituitary gland in the pathogenesis of Cushing's syndrome] Haugen HN. **Tidsskr Nor Laegeforen 92:2205-8, 20 Nov 72 (Eng. Abstr.) (Nor)**

[The pituitary gland and diahetes] Jervell J. **Tidsskr Nor Laegeforen 92:2189-91, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Evaluation of pituitary function hy clinical hio-chemical assays] Norman N. **Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Eng. Abstr.) (Nor)**

RADIOGRAPHY

The uhiquitous "empty" sella turcica. Kaufman B, et al. **Acta Radiol [Diagn] (Stockh) 13:413-25, 1972**

On estimating areas in radiology and nuclear medicine. Von Behrens WE. **Australas Radiol 16:325-32, Sep 72**

SECRETION

The influence of maternal human growth hormone secretion on the weight of the newhorn infant. Parekh MC, et al. **Am J Obstet Gynecol 115:197-201, 15 Jan 73**

Some physiological and clinical aspects of puherty. Visser HK. **Arch Dis Child 48:169-82, Mar 73 (96 ref.)**

Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al. **Biochem Biophys Res Commun 51:100-6, 5 Mar 73**

The incorporation of (3 H)glucosamine, (3 H)fucose and (14 C)mannose into protein in the rat anterior pituitary incubated in vitro. Todd JM, et al. **Biochim Biophys Acta 297:11-21, 24 Jan 73**

Sleep and growth hormone. Gotlin RW. **Br Med J 1:744, 24 Mar 73**

Changing concepts of prolactin in man. Vander Laan WP. **Calif Med 118:28-37, Feb 73 (57 ref.)**

Suppression of pituitary tumor growth and function hy ergot alkaloids. MacLeod RM, et al. **Cancer Res 33:849-55, Apr 73**

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. **Cancer Res 33:843-8, Apr 73**

Anomalous prolactin release in vitro in response to cold and its specific hlockade hy a purified hypothalamic-inhibiting factor. LaBella FS, et al. **Endocrinology 92:1571-4, May 73**

Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. **Gen Comp Endocrinol 20:312-25, Apr 73**

The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin. Lyheck H, et al. **Int J Neurosci 5:47, Jan 73**

Cerehrospinal fluid and ependymal neurophysin. Rohinson AG, et al. **J Clin Invest 52:1260-7, May 73**

Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. **J Endocrinol 57:187-8, Apr 73**

Promotion of pituitary prolactin release in rats hy dibutyryl adenosine 3',5'-monophosphate. Nagasawa H, et al. **J Endocrinol 55:215-6, Oct 72**

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. **J Physiol (Lond) 230:10P-12P, Apr 73**

Fall in plasma-testosterone levels in normal male suhjects in response to an oral glucose load. Wall JR, et al. **Lancet 1:967-8, 5 May 73**

On the importance of CSF Na + concentration in central control of fluid balance. Olsson K. **Life Sci [I] 11:397-402, 15 Apr 72**

Release of neurohypophysial hormones by exocytosis. Matthews EK, et al. **Nature [New Biol] 241:86-8, 17 Jan 73**

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology 11:183-90, 1973**

Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Debeljuk L, et al. **Neuroendocrinology 11:130-6, 1973**

Release of luteinizing hormone hy oestradiol-17 and a gonsdotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al. **Neuroendocrinology 11:57-66, 1973**

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al. **Neuroendocrinology 11:156-76, 1973**

Influence of exogenously administered oxytocin on prolactin release in the lactating rat. Kühn ER, et al. **Neuroendocrinology 11:11-21, 1973**

Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat. Lengvári I, et al. **Neuroendocrinology 11:191-6, 1973**

ADH release from cut pituitary stalk and intact pituitary gland during hippocampal stimulation of various frequencies in rats. Tomas T, et al. **Neuroendocrinology 11:257-67, 1973**

The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al. **Physiol Behav 9:401-7, Sep 72**

The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al. **Proc Soc Exp Biol Med 142:1097-100, Apr 73**

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. **Prostaglandins 3:89-95, Jan 73**

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

Relationship between sleep and growth in patients with reversihle somatotropin deficiency (psychosocial dwarfism). Wolff G, et al. **Psychol Med 5:18-27, Feb 73**

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. **Sov J Dev Biol 3:249-52, May-Jun 72**

Ultrastructure of the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell. Pearson AK, et al. **Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73**

[Isolation of a cell clone secreting human somatotropic

hormone in tissue culture] Hartemann P, et al. C R Soc Biol (Paris) 166:1053-9, 1972 (Fre)
[Comparative micromorphology of the initial and final sections of the neurosecretory pathway of man, dog and rat] Meitner ER. Anat Anz 132:325-31, 1972 (Ger)
[Changes in the amount of neurosecretion under experimental conditions] Prokšova EG, et al. Anat Anz 132:315-24, 1972 (Ger)
[General adaptation syndrome in the young animal] Hartmann H, et al. Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)
[Regulation of gonadotropin secretion] Attramadal A. Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)
[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R. Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)
[The hypothalamo--pituitary--adrenal axis] Solem JH. Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)
[The role of the pituitary gland in lactation] Velle W. Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)
[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al. Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)
[Prolactin: secretion in physiological conditions and in pathology] Zárate A, et al. Ginecol Obstet Mex 33:109-19, Jan 73 (Eng. Abstr.) (Spa)
[Cycl AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

TRANSPLANTATION

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. Endocrinology 92:1507-14, May 73
Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. Endocrinology 92:921-30, Mar 73
Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Fine structure of the normal, transplanted and postmetamorphic pars distalis of the Mexican axolotl, Ambystoma mexicanum. Connelly TG. Gen Comp Endocrinol 20:236-55, Apr 73
Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72
Early restoration of autotransplanted pituitary function as determined by plasma progesterone concentrations. Ahmad N, et al. Neuroendocrinology 11:101-6, 1973
Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus. Bouillé C, et al. Neuroendocrinology 11:73-91, 1973

PITUITARY GLAND FUNCTION TESTS

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72
Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. J Clin Invest 52:1099-107, May 73
A pituitary function test with synthetic LH-releasing hormone. Keller PJ. J Obstet Gynaecol Br Commonw 80:72-4, Jan 73
Body composition changes in children receiving human growth hormone. Collipp PJ, et al. Metabolism 22:589-95, Apr 73
[Growth hormone and disbetic microangiopathy] Passa P. Sem Hop Paris 48:3329-32, 8 Dec 72 (Fre)
[Influence of estrogens on the release of LH] Schneider W, et al. Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)
[Evaluation of pituitary function by clinical bio-chemical assays] Norman N. Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Eng. Abstr.) (Nor)

PITUITARY GLAND IRRADIATION

Treatment of acromegaly. Aloia JF, et al. Arch Intern Med 131:509-15, Apr 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. J Urol 109:321-4, Mar 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. J Urol 109:533-7, Apr 73
Treatment of breast cancer. 2. Mackay WD. Nurs Mirror 136:43-5, 27 Apr 73
[Growth hormone and diabetic microangiopathy] Passa P. Sem Hop Paris 48:3329-32, 8 Dec 72 (Fre)
[Therapy of acromegaly] Heesen D, et al. Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. Klin Med (Mosk) 50:16-21, Aug 72 (Rus)

ADVERSE EFFECTS

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al. Am J Obstet Gynecol 114:739-47, 15 Nov 72

PITUITARY GLAND, POSTERIOR

ANALYSIS

A simple method for detection of neurosecretory products after polyacrylamide gel electrophoresis. Moens L, et al. Anal Biochem 51:466-9, Feb 73
Ultrastructure of the rat neural lobe during recovery from hypertonic saline treatment. Livingston A. Z Zellforsch Mikrosk Anat 137:361-74, 23 Feb 73

BLOOD SUPPLY

Blood flow changes in the pituitary neural lobe of the rabbit associated with neurohypophysial hormone-releasing stimuli. Sooriyamoorthy T, et al. J Endocrinol 57:75-85, Apr 73

CYTOLOGY

Effect of vincristine on the ultrastructure of rat neurohypophysis. Ruffner C, et al. Experientia 28:837-8, 15 Jul 72
Ultrastructure of the rat neural lobe during recovery from hypertonic saline treatment. Livingston A. Z Zellforsch Mikrosk Anat 137:361-74, 23 Feb 73
[Electron microscopy study of the neurohypophysis in normal rats or after bilateral adrenalectomy. Study of the pituitary cells and on the mode of release of the neurosecretion] Erkoçak A. Acta Anat (Basel) 84:178-201, 1973 (Eng. Abstr.) (Fre)
[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G. Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effect of vincristine on the ultrastructure of rat neurohypophysis. Ruffner C, et al. Experientia 28:837-8, 15 Jul 72
Blood flow changes in the pituitary neural lobe of the rabbit associated with neurohypophysial hormone-releasing stimuli. Sooriyamoorthy T, et al. J Endocrinol 57:75-85, Apr 73
Effects of a week of ACTH or corticosteroid treatment on the diuretic response to water intake. A probably neuropostpituitary response to corticosteroid load. Bernard-Weil E. Steroids Lipids Res 3:24-9, 1972
Changes in the neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in

response to irradiation and thiourea treatment. Halder S, et al. Strahlentherapie 145:436-42, Apr 73

Ultrastructure of the rat neural lobe during recovery from hypertonic saline treatment. Livingston A. Z Zellforsch Mikrosk Anat 137:361-74, 23 Feb 73

[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G. Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Free flow electrophoresis of isolated secretory granules from bovine neurohypophyses. Vilhardt H, et al. Experientia 28:852-3, 15 Jul 72

PHYSIOPATHOLOGY

Effect of dehydration on the neuroendocrine system of an arid zone avian species. Ghosh A, et al. Gegenbaurs Morphol Jahrb 118:414-22, 1973

RADIATION EFFECTS

Changes in the neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in response to irradiation and thiourea treatment. Halder S, et al. Strahlentherapie 145:436-42, Apr 73

SECRETION

[Electron microscopy study of the neurohypophysis in normal rats or after bilateral adrenalectomy. Study of the pituitary cells and on the mode of release of the neurosecretion] Erkoçak A. Acta Anat (Basel) 84:178-201, 1973 (Eng. Abstr.) (Fre)

[Neurosecretory activity of the hypothalamus after adrenalectomy in dogs] Drozdovych II, et al. Fiziol Zh 18:621-6, Sep-Oct 72 (Eng. Abstr.) (Ukr)

[Spectrophotometric determination of neurosecretory substances concentration in the posterior pituitary gland] Vashchenko OA, et al. Fiziol Zh 18:632-5, Sep-Oct 72 (Eng. Abstr.) (Ukr)

SURGERY

Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog. Alvarez-Buylla R, et al. Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73

(Changes in the amount of neurosecretion under experimental conditions) Proksova EG, et al. Anat Anz 132: 315-24, 1972 (Ger)

PITUITARY, POSTERIOR continued

Cerebrospinal fluid and ependymal neurophysin. Robinson AG, et al. J Clin Invest 52: 1260-7 May 73.

Release of neurohypophysial hormones by exocytosis. Mathews EK, et al. Nature (New Biol) 241: 86-8, 17 Jan 73

(Comparative micromophology of the initial and final sections of the neurosecretory pathway man, dog, and rat) Meitner ER. Anat Anz 132: 325-31, 1972 (Ger)

II. Disorders of the Pituitary Gland

ACROMEGALY

Peripheral joint manifestations of acromegaly.
Detenbeck LC, et al. **Clin Orthop** 91:119-27, Mar-Apr 73

BLOOD

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al.
Nature [New Biol] 241:20-2, 3 Jan 73
[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.
Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)
[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

COMPLICATIONS

Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity. O'Duffy JD, et al. **Ann Intern Med** 78:379-83, Mar 73
A case of acromegalic heart disease.
Br Med J 1:718-24, 24 Mar 73
Widening of the median atlanto-axial joint in acromegaly. Lin SR, et al.
J Can Assoc Radiol 24:36-8, Mar 73
Renal glomerular enlargement in chronic passive congestion. Hutchins GM, et al.
Johns Hopkins Med J 132:292-300, May 73
Endocrinopathies and uric acid metabolis. Newcombe DS. **Semin Arthritis Rheum** 2:281-300, 1972-73 (54 ref.)
[Pathogenesis and structure of systemic skeletal diseases] Uehlinger E.
Radiologe 13:88-93, Mar 73 (Ger)
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

DIAGNOSIS

Acromegaly. **JAMA** 224:Suppl 5:772-3, 30 Apr 73

DRUG THERAPY

Effect of fenfluramine on human growth hormone release. Sulaiman WR, et al.
Br Med J 2:329-32, 12 May 73
[Therapy of acromegaly] Heesen D, et al.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)

ETIOLOGY

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

METABOLISM

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

PATHOLOGY

Peripheral joint manifestations of acromegaly.
Detenbeck LC, et al. **Clin Orthop** 91:119-27, Mar-Apr 73
[Light- and electron microscopic studies of pituitary adenomas in acromegaly with regard to their secretory activity] Saeger W.
Virchows Arch [Pathol Anat] 358:343-54, 19 Feb 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Peripheral joint manifestations of acromegaly.
Detenbeck LC, et al. **Clin Orthop** 91:119-27, Mar-Apr 73
Widening of the median atlanto-axial joint in acromegaly. Lin SR, et al.
J Can Assoc Radiol 24:36-8, Mar 73
The combined use of morphometric and microradioscopic methods in the diagnosis of metabolic bone diseases. Meema HE.
Radiologe 13:111-6, Mar 73

RADIOTHERAPY

Treatment of acromegaly. Alola JF, et al.
Arch Intern Med 131:509-15, Apr 73
[Therapy of acromegaly] Heesen D, et al.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)

SURGERY

Treatment of acromegaly. Alola JF, et al.
Arch Intern Med 131:509-15, Apr 73
Peripheral joint manifestations of acromegaly.
Detenbeck LC, et al. **Clin Orthop** 91:119-27, Mar-Apr 73

THERAPY

Treatment of acromegaly. Alola JF, et al.
Arch Intern Med 131:509-15, Apr 73
[Therapy of acromegaly] Heesen D, et al.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)

ADENOMA, BASOPHILIC

Basal-cell adenoma of the upper lip. Report of a case.
Bollinger TE, et al. **Oral Surg** 35:600-5, May 73

DIAGNOSIS

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73

PATHOLOGY

Basal-cell adenoma of the upper lip. Report of a case.
Bollinger TE, et al. **Oral Surg** 35:600-5, May 73

SURGERY

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73
Basal-cell adenoma of the upper lip. Report of a case.
Bollinger TE, et al. **Oral Surg** 35:600-5, May 73

ADENOMA, CHROMOPHOBE

[Metastasis of hepatocellular cancer to a hypophysis with chromophobe adenoma and tumor embolism of the pulmonary artery] Usviattsev IaA, et al.
Vrach Delo 10:94-6, Oct 72 (Rus)

COMPLICATIONS

Pituitary apoplexy. **Ill Med J** 143:435-7, May 73
Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al.
J Clin Invest 52:1108-12, May 73
Pituitary apoplexy--a cause of sudden blindness. Goodman JM, et al.
J Indiana State Med Assoc 66:320-1, May 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
Nature and treatment of cerebrospinal fluid rhinorrhea

in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73
[Chromophobe adenoma and sterility (clinical case)] Blanco Sancho R, et al.
Acta Obstet Ginecol Hisp Lusit 20:269-80, Nov 72 (Spa)

DIAGNOSIS

Pathologic quiz case. Alford BR, et al.
Arch Otolaryngol 97:426-8, May 73
Pituitary "chromophobe" adenoma composed of oncocytes. A light and electron microscopic study. Kovacs K, et al. Arch Pathol 95:235-9, Apr 73
Pituitary apoplexy. Ill Med J 143:435-7, May 73
Utility of L-dopa and water loading in evaluation of hyperprolactinemia. Buckman MT, et al.
J Clin Endocrinol Metab 36:911-9, May 73
Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73
[Chromophobe adenoma and sterility (clinical case)] Blanco Sancho R, et al.
Acta Obstet Ginecol Hisp Lusit 20:269-80, Nov 72 (Spa)

FAMILIAL & GENETIC

Thymic carcinoid in familial multiple endocrine adenomatosis. Manes JL, et al.
Arch Pathol 95:252-5, Apr 73

METABOLISM

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73
[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.
Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)

PATHOLOGY

Pathologic quiz case. Alford BR, et al.
Arch Otolaryngol 97:426-8, May 73
Pituitary "chromophobe" adenoma composed of oncocytes. A light and electron microscopic study. Kovacs K, et al. Arch Pathol 95:235-9, Apr 73
Fine structure of human pituitary adenoma. Tomiyasu U, et al. Arch Pathol 95:287-92, May 73
Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al.
J Clin Endocrinol Metab 36:951-64, May 73
[Histology and histopathology of the hypophysis] Loken AC.
Tidsskr Nor Laegeforen 92:2142-6, 20 Nov 72 (Eng. Abstr.) (Nor)

RADIOTHERAPY

Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73

SURGERY

Pituitary apoplexy. Ill Med J 143:435-7, May 73
Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
The value of a collaborative neurosurgical and rhinological approach to microsurgery of tumors in the chiasm-sella turcica region. Koos WT, et al.
Neurochirurgia (Stuttg) 16:62-9, Mar 73
Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73
[Experience with a new combined open-stereotactic transsphenoidal operation for pituitary tumors] Riechert T, et al.
Dtsch Med Wochenschr 98:646-9, 20 Mar 73 (Eng. Abstr.) (Ger)

VETERINARY

Spontaneous lesions in the female WAG-Rij (Wistar) rat. Boorman GA, et al. J Gerontol 28:152-9, Apr 73

ADENOMA, EOSINOPHILIC

DIAGNOSIS

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73

SURGERY

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73
[Experience with a new combined open-stereotactic transsphenoidal operation for pituitary tumors] Riechert T, et al.
Dtsch Med Wochenschr 98:646-9, 20 Mar 73 (Eng. Abstr.) (Ger)

CHIARI-FROMMEL SYNDROME

BLOOD

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73

COMPLICATIONS

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

DRUG THERAPY

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73

URINE

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73

CRANIOPHARYNGIOMA

Craniopharyngioma. A thirty-nine year survey. Míchelsen WJ, et al. Acta Neurol Lat Am 18:100-6, 1972
[Primary supra-tentorial cerebral tumors in patients over 60 years of age: study of 135 cases] Achalogh J, et al. Brux Med 52:681-702, Oct 72 (Fre)
[Craniopharyngioma] Bartal A.
Harefuah 84:345-6, 15 Mar 73 (Heb)

COMPLICATIONS

Studies on craniopharyngiomas. 3. Stereotaxic treatment with intracystic yttrium-90. Backlund EO.
Acta Chir Scand 139:237-47, 1973
Craniopharyngioma. A thirty-nine year survey. Míchelsen WJ, et al. Acta Neurol Lat Am 18:100-6, 1972
[Craniopharyngioma from the ophthalmologist's view point] Vladyková J.
Cesk Oftalmol 29:109-16, Mar 73 (Eng. Abstr.) (Cze)
[Diabetes insipidus, hyponatremia-hyponatruria and craniopharyngioma in an adult] Aznar Neig A, et al.
Rev Iber Endocrinol 20:171-206, Mar 73 (Eng. Abstr.) (Spa)

CONGENITAL

Connatal intracranial tumours. Jellinger K, et al.
Neuropaediatrie 4:46-63, Jan 73

DIAGNOSIS

Ventriculofiberscope: a new technique for endoscopic

diagnosis and operation. Tecbnical note. Fukushima T, et al. J Neurosurg 38:251-6, Feb 73

RADIOTHERAPY

Studies on craniopbaryngiomas. 3. Stereotaxic treatment witb intracystic yttrium-90. Backlund EO. Acta Chir Scand 139:237-47, 1973

SURGERY

Craniopharyngioma. A thirty-nine year survey. Mícbelsen WJ, et al. Acta Neurol Lat Am 18:100-6, 1972
Ventriculofiberscope: a new tecbnique for endoscopic diagnosis and operation. Technical note. Fukushima T, et al. J Neurosurg 38:251-6, Feb 73
[Craniopbaryngioma from tbe ophthalmologist's view point] Vladyková J.
Cesk Oftalmol 29:109-16, Mar 73 (Eng. Abstr.) (Cze)

DIABETES INSIPIDUS

Human growth bormone tberapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al. Acta Paediatr Scand 62:304-6, May 73
Evidence for a role of antidiuretic bormone (ADH) in tbe antidiuretic action of chlorpropamide. Liberman B, et al. J Clin Endocrinol Metab 36:894-900, May 73
[Diabetes insipidus and pregnancy] Vangen O.
Tidsskr Nor Laegeforen 92:2094-5, 10 Nov 72 (Eng. Abstr.) (Nor)

BLOOD

[Antidiuresis using chlorpropamide, carbamazepine and ciofibrate in diabetes insipidus] Engelmann L, et al. Z Aerztl Fortbild (Jena) 67:126-30, 1 Feb 73 (Ger)

CEREBROSPINAL FLUID

Arginine vasotocin-like activity of cerebrospinal fluid in diabetes insipidus. Coculescu M, et al.
J Clin Endocrinol Metab 36:1031-2, May 73

CHEMICALLY INDUCED

Lithium-induced ADH resistance in toad urinary bladders. Singer I, et al. Kidney Int 3:151-9, Mar 73

COMPLICATIONS

Studies on craniopbaryngiomas. 3. Stereotaxic treatment witb intracystic yttrium-90. Backlund EO. Acta Chir Scand 139:237-47, 1973
Hypersomnia witb primary bypoventilation syndrome and following cor pulmonale (Ondine's curse syndrome). Fruhmann G.
Bull Physiopathol Respir (Nancy) 8:1173-9, Sep-Oct 72
Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)
[Pathogenic interpretation of sleep and respiration disorders in tbe Pickwickian syndrome and primary alveolar bypoventilation] Gunella G.
Bull Physiopathol Respir (Nancy) 8:1257-76, Sep-Oct 72 (Eng. Abstr.) (Fre)
[A case of diabetic cataract in tbe child] Hugonnier R, et al. Bull Soc Ophtalmol Fr 12:503-5, Apr 72 (Fre)
[Atypical case of diabetes insipidus neurohormonalis combined witb gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al.
Acta Paediatr Belg 26:225-40, 1972
Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)
[Granuloma of tbe bypothalamus. Similar symptomatology and course in 3 cases of different etiology] Voigt K, et al.
Arch Psychiatr Nervenkr 216:343-57, 1972 (Eng. Abstr.) (Ger)

DRUG THERAPY

Treatment of diabetes insipidus in children with DDAVP, a syntbetic analogue of vasopressin. Aronson AS, et al. Acta Paediatr Scand 62:133-40, Mar 73
Ciofibrate treatment of idiopathic diabetes insipidus. Hamutb Y, et al. JAMA 224:1041-2, 14 May 73
Tbe antidiuretic action of chlorpropamide and other oral hypoglycemic drugs. Studies in normal subjects and in diabetes insipidus patients. Navarrete R, et al. Rev Invest Clin 24:389-99, Oct-Dec 72
Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)
[Personal experience with chlorpropamide in the treatment of polyuro-polydipsic syndromes] Linquette M, et al. Lille Med 17:1216-25, Oct 72 (Fre)
[Antidiuresis using chlorpropamide, carbamazepine and ciofibrate in diabetes insipidus] Engelmann L, et al. Z Aerztl Fortbild (Jena) 67:126-30, 1 Feb 73 (Ger)
[Treatment of diabetes insipidus with chlorpropamide] Anan'eva NE. Ter Arkh 44:88-90, Oct 72 (Rus)
[Effects of alpha-aminoglutethimide administration in a patient with pituitary diabetes insipidus] Torres-Zamora M, et al.
Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

ETIOLOGY

[The neurohypophyseal hormones, physiology and pathopbysiology] Haugen HN.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Eng. Abstr.) (Nor)
[Diabetes insipidus, hyponatremia-byponatruria and craniopbaryngioma in an adult] Aznar Neig A, et al.
Rev Iber Endocrinol 20:171-206, Mar 73 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)

HISTORY

Dr Gee's paediatrics. The Samuel Gee Lecture 1972. (Gee S), Tizard JP.
J R Coll Physicians Lond 7:193-206, Apr 73

PHYSIOPATHOLOGY

Effects of intravenous diazoxide and chlorpropamide on renal function in man. Radó JP, et al.
Am Heart J 85:755-66, Jun 73
Effects of vasopressin on sweat rate and composition in patients with diabetes insipidus and normal controls. Taussig LM, et al. J Invest Dermatol 60:197-202, Apr 73

URINE

Treatment of diabetes insipidus in children with DDAVP, a syntbetic analogue of vasopressin. Aronson AS, et al. Acta Paediatr Scand 62:133-40, Mar 73
Effects of vasopressin on sweat rate and composition in patients with diabetes insipidus and normal controls. Taussig LM, et al. J Invest Dermatol 60:197-202, Apr 73
Ciofibrate treatment of idiopathic diabetes insipidus. Hamutb Y, et al. JAMA 224:1041-2, 14 May 73
[Antidiuresis using chlorpropamide, carbamazepine and ciofibrate in diabetes insipidus] Engelmann L, et al. Z Aerztl Fortbild (Jena) 67:126-30, 1 Feb 73 (Ger)
[Effects of alpha-aminoglutethimide administration in a patient witb pituitary diabetes insipidus] Torres-Zamora M, et al.
Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

DWARFISM

Turner-phenotype in males. Nielsen J, et al.
Clin Genet 4:58-63, 1973
An atypical case of Cockayne's syndrome. Pfeiffer RA, et al. Clin Genet 4:28-32, 1973
Metaphyseal dysostosis, Jansen type. Arroyo-Scotoliff H. J Bone Joint Surg [Am] 55:623-9, Apr 73
Schwartz syndrome: another case report. Santesteban A. J Pediatr 82:1094-5, Jun 73
The oto-palato-digital (OPD) syndrome in females. Gorlin RJ, et al. Oral Surg 35:218-24, Feb 73
[Silver-Russell syndrome in an 18-month-old girl] Maszewska-Kuźniarz K, et al.
Wiad Lek 26:565-7, 15 Mar 73 (Pol)

COMPLICATIONS

Metaphyseal and epiphyseal dysplasia with unusual facies and cataract. Kozlowski K, et al. Am J Dis Child 125:553-6, Apr 73

Disorders of host defense against infection. Pathophysiologic and diagnostic considerations. Johnston RB Jr, et al. Med Clin North Am 37:421-40, Mar 73 (65 ref.)

[Klippel-Feil syndrome with additional deformities] Rodriguez Cuartero A, et al. Munch Med Wochenschr 115:554-60, 30 Mar 73 (Eng. Abstr.) (Ger)

[Clinical and genetic aspects of the lingual thyroid gland] Zabransky S, et al. Munch Med Wochenschr 115:542-7, 30 Mar 73 (Eng. Abstr.) (Ger)

[Case of xerodermic idiocy (Sanctis-Kakione syndrome)] Sazonova NS, et al. Zh Nevropatol Psikhiatr 72:1379-81, 1972 (Eng. Abstr.) (Rus)

CONGENITAL

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al. Am J Dis Child 125:495-503, Apr 73

Renal abnormalities in the Russell-Silver syndrome. Haslam RH, et al. Pediatrics 51:216-22, Feb 73

DIAGNOSIS

Spontaneous chromosomal instability. Schroeder TM, et al. Humangenetik 17:276, 1973

ETIOLOGY

Achondrogenesis: case report and review of the literature. Xanthakos UF, et al. J Pediatr 82:658-63, Apr 73

Autosomal recessive inheritance in camptomelic dwarfism. Cremin BJ, et al. Lancet 1:488-9, 3 Mar 73

Congenital hypothalamic lesion leading to growth hormone deficiency and destruction of appetite satiety centre. Harris F, et al. Proc R Soc Med 66:217, Mar 73

FAMILIAL & GENETIC

A syndrome characterized by congenital ichthyosis with atrophy, mental retardation, dwarfism, and generalized aminoaciduria. Passweil J, et al. J Pediatr 82:466-71, Mar 73

Autosomal recessive inheritance in camptomelic dwarfism. Cremin BJ, et al. Lancet 1:488-9, 3 Mar 73

[Familial syndesmodysplasic dwarfism. A new disease entity] Laplane R, et al. Arch Fr Pediatr 29:831-8, Oct 72 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Thanatophoric dwarfism. Southion CL. Australas Radiol 16:316-9, Sep 72

[Pycnodysostosis in the radiographic picture (Toulouse Lautrec's disease--3 new cases)] Janečka J, et al. God Zb Med Fak Skopje 118:298-305, Mar 73 (Eng. Abstr.) (Ger)

DWARFISM, PITUITARY

Relationship between sleep and growth in patients with reversible somatotropin deficiency (psychosocial dwarfism). Wolff G, et al. Psychol Med 5:18-27, Feb 73

[Growth disturbances in children and therapeutic possibilities] Trygstad O. Tidsskr Nor Laegeforen 93:520-3, 20 Mar 73 (Eng. Abstr.) (Nor)

BLOOD

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al. Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

[Glucose consumption and free fatty acid changes in plasma in hypothalamo-hypophyseal dwarfism and in children with familial short stature] Rybakowa M, et al. Pediatr Pol 48:279-84, Mar 73 (Eng. Abstr.) (Pol)

COMPLICATIONS

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al. Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

CONGENITAL

[Hyposomatotrophic dwarfism in a girl twin] Aubert L, et al. Ann Endocrinol (Paris) 33:41-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Pituitary dwarfism] Illig R. Dtsch Med Wochenschr 98:744-5, 6 Apr 73 (Ger)

[Comparative characteristics of the EEG of patients with the Shereshevsky-Turner syndrome and with pituitary dwarfism] Frenkel' GM, et al. Probl Endokrinol (Mosk) 19:40-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. J Endocrinol 56:235-43, Feb 73

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

[Pituitary dwarfs] S Afr Med J 47:464, 17 Mar 73 (Afr)

[Pituitary dwarfism] Illig R. Dtsch Med Wochenschr 98:744-5, 6 Apr 73 (Ger)

ETIOLOGY

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al. Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. J Endocrinol 56:235-43, Feb 73

METABOLISM

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

[Glucose consumption and free fatty acid changes in plasma in hypothalamo-hypophyseal dwarfism and in children with familial short stature] Rybakowa M, et al. Pediatr Pol 48:279-84, Mar 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

[Insulin blood level during oral by induced hyperglycemia in patients with growth hormone (G.H.) deficiency] Ruitton-Ugliengo A, et al. Ann Endocrinol (Paris) 33:531-3, Sep-Oct 72 (Eng. Abstr.) (Fre)

GIGANTISM

COMPLICATIONS

Partial gigantism and heart block. Case study of an 88 year old man. Hutchinson RG, et al. Angiology 24:191, Mar 73

DRUG THERAPY

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi

G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)

ETIOLOGY

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)

PATHOLOGY

[The exomphalos-macroglossia-gigantism syndrome] Heissmeyer U.
Zentralbl Gynaekol 95:158-66, 2 Feb 73 (Ger)

HYPERPITUITARISM

COMPLICATIONS

Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity. O'Duffy JD, et al. Ann Intern Med 78:379-83, Mar 73
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

IMMUNOLOGY

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity. O'Duffy JD, et al. Ann Intern Med 78:379-83, Mar 73

SURGERY

Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity. O'Duffy JD, et al. Ann Intern Med 78:379-83, Mar 73

HYPOPITUITARISM

[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH.
Tidsskr Nor Laegeforen 92:2208-14, 20 Nov 72 (Eng. Abstr.) (Nor)

BLOOD

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al.
J Clin Invest 52:783-8, Apr 73

COMPLICATIONS

Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al.
J Clin Invest 52:1108-12, May 73
Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73
[Association of sexual ambiguity and hypopituitarism] Chaussain JL, et al.
Arch Fr Pediatr 29:890, Oct 72 (Fre)
[Non-tumoral organo-functional hypoglycemias] Tugaye A, et al. Rev Prat 22:3409-25, 1 Oct 72 (Fre)
[Sheehan's disease followed by severe arterial hypertension with right renal artery stenosis. Discussion of the role of hypopituitarism in atherogenesis] Albeaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)
[Sheehan's syndrome associated with craurosis and leukoplakia of the vulva] Pasha SP.
Vrach Delo 9:118-9, Sep 72 (Rus)
[Case of osteoporosis and a pathological femoral neck fracture due to Sheehan's syndrome] Burzelić Z.
Reumatizam 20:19-23, 1973 (Eng. Abstr.) (Cro)

DIAGNOSIS

Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al.
Acta Paediatr Belg 26:225-40, 1972
Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73
[Effect of ornithine hydrochloride on growth hormone (HGH) plasma levels] Gourmelen M, et al.
Ann Endocrinol (Paris) 33:526-8, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Late diagnosis of Sheehan's syndrome] Petrova NI, et al. Vrach Delo 11:54-5, Nov 72 (Rus)

DRUG THERAPY

Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al.
Acta Paediatr Scand 62:304-6, May 73
Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72
Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73

ETIOLOGY

Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al.
Acta Paediatr Scand 62:304-6, May 73
Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73

METABOLISM

[Effect of ornithine hydrochloride on growth hormone (HGH) plasma levels] Gourmelen M, et al.
Ann Endocrinol (Paris) 33:526-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al.
Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Insulin blood level during oral by induced hypergiycemia in patients with growth hormone (G.H.) deficiency] Ruitton-Ugliengo A, et al.
Ann Endocrinol (Paris) 33:531-3, Sep-Oct 72 (Eng. Abstr.) (Fre)

INFANTILISM

DIAGNOSIS

[Psychosexual infantilism and PPG (phallopiethysmographic) diagnosis] Nedoma K.
Cesk Psychiatr 69:96-101, Apr 73 (Eng. Abstr.) (Cze)

PITUITARY DISEASES

[Anorexia nervosa--clinical picture and therapy] Bellman M. Lakartidningen 70:837-40, 28 Feb 73 (Swe)

COMPLICATIONS

Squamous carcinoma arising in the pituitary gland. Salyer D, et al. Cancer 31:713-8, Mar 73
Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. Fertil Steril 24:252-9, Apr 73
Endocrine studies with empty sella. Brisman R.
J Neurosurg 38:537, Apr 73

DIAGNOSIS

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders.

Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73
Inappropriate antidiuretic hormone. Gilbert RD.
Ann Intern Med 78:462, Mar 73
Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73
The empty sella. Lancet 809:925-6, 28 Apr 73
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)
[The hypothalamo--pituitary--adrenal axis] Solem JH.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)

METABOLISM

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders.
Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

PATHOLOGY

The ubiquitous "empty" sella turcica. Kaufman B, et al.
Acta Radiol [Diagn] (Stockh) 13:413-25, 1972
Adenohypophysial necrosis in routine autopsies.
Kovacs K. Endokrinologie 60:309-16, 1972
Pol Med J 11:1634-9, 1972

PHYSIOPATHOLOGY

Endocrine studies with empty sella. Brisman R.
J Neurosurg 38:537, Apr 73

RADIOGRAPHY

The ubiquitous "empty" sella turcica. Kaufman B, et al.
Acta Radiol [Diagn] (Stockh) 13:413-25, 1972

PITUITARY GLAND

ABNORMALITIES

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73

INJURIES

[Hypophyseal stalk rupture] Eisele R.
Beitr Gerichtl Med 30:93-6, 1973 (Eng. Abstr.) (Ger)
[Accident document. Brain injury--pernicious anemia--traumatic anteriopituitary insufficiency?] Meinecke FW.
Monatsschr Unfallheilkd 76:138-43, Mar 73 (Ger)

PITUITARY NEOPLASMS

[Isolation of a cell clone secreting human somatotropic hormone in tissue culture] Hartemann P, et al.
C R Soc Biol (Paris) 166:1053-9, 1972 (Fre)

BLOOD

Utility of L-dopa and water loading in evaluation of hyperprolactinemia. Buckman MT, et al.
J Clin Endocrinol Metab 36:911-9, May 73
Effects of ergocornine and CG 603 on blood prolactin and GH in rats bearing a pituitary tumor. Quadri SK, et al. Proc Soc Exp Biol Med 142:837-41, Mar 73

CHEMICALLY INDUCED

[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD.
Fortschr Med 91:435-40, 12 Apr 73 (Ger)

COMPLICATIONS

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72
Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al.
Br Med J 2:214-5, 28 Apr 73
A case of acromegalic heart disease.
Br Med J 1:718-24, 24 Mar 73
Squamous carcinoma arising in the pituitary gland. Salyer D, et al. Cancer 31:713-8, Mar 73
Pituitary apoplexy. Ill Med J 143:435-7, May 73
Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al.
J Clin Invest 52:1108-12, May 73
Pituitary apoplexy--a cause of sudden blindness. Goodman JM, et al.
J Indiana State Med Assoc 66:320-1, May 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73
[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Experience with a new combined open-stereotactic transsphenoidal operation for pituitary tumors] Riechert T, et al.
Dtsch Med Wochenschr 98:646-9, 20 Mar 73 (Eng. Abstr.) (Ger)
[Central disorders of temperature regulation] Lausberg G. Fortschr Med 91:30-4, 11 Jan 73 (Ger)
[Chromophobe adenoma and sterility (clinical case)] Acta Obstet Ginecol Hisp Lusit 20:269-80, Nov 72 (Spa)

DIAGNOSIS

Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al.
Acta Paediatr Belg 26:225-40, 1972
Pathologic quiz case. Alford BR, et al.
Arch Otolaryngol 97:426-8, May 73
Pituitary "chromophobe" adenoma composed of oncocytes. A light and electron microscopic study. Kovacs K, et al. Arch Pathol 95:235-9, Apr 73
Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72
Pituitary apoplexy. Ill Med J 143:435-7, May 73
Utility of L-dopa and water loading in evaluation of hyperprolactinemia. Buckman MT, et al.
J Clin Endocrinol Metab 36:911-9, May 73
Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73
The empty sella. Lancet 809:925-6, 28 Apr 73
[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Chromophobe adenoma and sterility (clinical case)] Blanco Sancho R, et al.
Acta Obstet Ginecol Hisp Lusit 20:269-80, Nov 72 (Spa)

DRUG THERAPY

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73

ENZYMOLOGY

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. Cancer Res 33:843-8, Apr 73
Electron microscopic study of ATPase activity in human brain tumors. Nakamura S, et al.
J Neurosurg 38:420-7, Apr 73

ETIOLOGY

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

FAMILIAL & GENETIC

Thymic carcinoid in familial multiple endocrine adenomatosis. Manes JL, et al.
Arch Pathol 95:252-5, Apr 73

METABOLISM

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. Cancer Res 33:843-8, Apr 73

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.
Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)

PATHOLOGY

The ubiquitous "empty" sella turcica. Kaufman B, et al.
Acta Radiol [Diagn] (Stockh) 13:413-25, 1972

Pathologic quiz case. Alford BR, et al.
Arch Otolaryngol 97:426-8, May 73

Pituitary "chromophobe" adenoma composed of oncocytes. A light and electron microscopic study. Kovacs K, et al. Arch Pathol 95:235-9, Apr 73

Fine structure of human pituitary adenoma. Tomiyasu U, et al. Arch Pathol 95:287-92, May 73

Squamous carcinoma arising in the pituitary gland. Salyer D, et al. Cancer 31:713-8, Mar 73

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73

Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73

Gonadotropic activities of thyrotropic tumors: demonstration by immunohistochemical staining. Furth J, et al.
Proc Soc Exp Biol Med 142:1180-4, Apr 73

Agranular stellate cells (so-called follicular cells) in human fetal and adult adenohypophysis and in pituitary adenoma. Fukuda T.
Virchows Arch [Pathol Anat] 359:19-30, 20 Mar 73

[Light- and electron microscopic studies of pituitary adenomas in acromegaly with regard to their secretory activity] Saeger W.
Virchows Arch [Pathol Anat] 358:343-54, 19 Feb 73 (Eng. Abstr.) (Ger)

[Histology and histopathology of the hypophysis] Loken AC.
Tidsskr Nor Laegeforen 92:2142-6, 20 Nov 72 (Eng. Abstr.) (Nor)

PHYSIOPATHOLOGY

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973

RADIOGRAPHY

The ubiquitous "empty" sella turcica. Kaufman B, et al.
Acta Radiol [Diagn] (Stockh) 13:413-25, 1972

Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al.
Br Med J 2:214-5, 28 Apr 73

RADIOTHERAPY

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72

Treatment of acromegaly. Aloia JF, et al.
Arch Intern Med 131:509-15, Apr 73

Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73

SURGERY

Treatment of acromegaly. Aloia JF, et al.
Arch Intern Med 131:509-15, Apr 73

A case of acromegalic heart disease.
Br Med J 1:718-24, 24 Mar 73

Pituitary apoplexy. Ill Med J 143:435-7, May 73

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW.
J Neurosurg 38:453-60, Apr 73

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73

The value of a collaborative neurosurgical and rhinological approach to microsurgery of tumors in the chiasm-sella turcica region. Koos WT, et al.
Neurochirurgia (Stuttg) 16:62-9, Mar 73

Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors. Fager CA.
Surg Clin North Am 53:283-90, Apr 73

[Experience with a new combined open-stereotactic transsphenoidal operation for pituitary tumors] Riechert T, et al.
Dtsch Med Wochenschr 98:646-9, 20 Mar 73 (Eng. Abstr.) (Ger)

VETERINARY

Spontaneous lesions in the female WAG-Rij (Wistar) rat. Boorman GA, et al. J Gerontol 28:152-9, Apr 73

SHEEHAN'S SYNDROME

COMPLICATIONS

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72

[Sheehan's disease followed by severe arterial hypertension with right renal artery stenosis. Discussion of the role of hypopituitarism in atherogenesis] Albeaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)

[Sheehan's syndrome associated with craurosis and leukoplakia of the vulva] Pasha SP.
Vrach Delo 9:118-9, Sep 72 (Rus)

[Case of osteoporosis and a pathological femoral neck fracture due to Sheehan's syndrome] Burzelić Z.
Reumatizam 20:19-23, 1973 (Eng. Abstr.) (Cro)

DIAGNOSIS

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73

[Late diagnosis of Sheehan's syndrome] Petrova NI, et al. Vrach Delo 11:54-5, Nov 72 (Rus)

DRUG THERAPY

[Sheehan's disease followed by severe arterial hypertension with right renal artery stenosis. Discussion of the role of hypopituitarism in atherogenesis] Albeaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)

III. *Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN

Cholesterol hydroxylation in the adrenal cortex and liver. Boyd GS, et al.
Biochem Soc Symp 34:207-26, 1972

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al.
Endocrinology 92:1571-4, May 73

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al.
J Biol Chem 248:2691-8, 25 Apr 73

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

[A case of isolated ACTH deficiency] Ono I, et al.
J Jap Soc Intern Med 61:1314-9, Oct 72 (Jap)

[On the antigenicity of some injectable tissue extracts. II] Cirstea M, et al.
Fiziol Norm Patol 19:157-64, Mar-Apr 73 (Eng. Abstr.) (Rum)

ADMINISTRATION & DOSAGE

Long-term immunosuppressive therapy of ulcerative colitis. Continuation of a personal series. Korelitz BI, et al. **Am J Dig Dis 18:317-22, Apr 73**

Extra-adrenal effect of ACTH on fibrinogen synthesis. Selgsohn U, et al. **Am J Physiol 224:1172-9, May 73**

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al.
Am J Vet Res 34:353-6, Mar 73

Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. el-Shaboury AH, et al.
Br Med J 2:85-6, 14 Apr 73

Studies with a mass balance method of measuring fibrinogen synthesis. Reeve EB, et al.
Ciba Found Symp 9:91-111, 1972

Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. **Endocrinology 92:879-86, Mar 73**

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al.
J Biol Chem 248:2409-17, 10 Apr 73

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73

Morphological differentiation of adrenal cortical cells induced by a 40-minute exposure to corticotrophin. Milner AJ. **J Endocrinol 56:325-6, Feb 73**

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. **Steroids Lipids Res 3:225-8, 1972**

[Cell changes in the rat adrenal cortex during repeated administration of ACTH] Kirillov OI.
Probl Endokrinol (Mosk) 19:99-101, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Treatment of epilepsy in children] Oller-Daurella L.
Acta Neurol Lat Am 18:52-67, 1972 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

[Arterial hypertension and mineralocorticoids] Molinatti GM, et al.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)

[Health evaluation of working conditions in the manufacture of adrenocorticotropic hormone (ACTH)] Loginova RA, et al.
Gig Sanit 38:20-3, Jan 73 (Eng. Abstr.) (Rus)

ANALYSIS

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al.
Anat Rec 175:529-37, Mar 73

Complete amino acid analysis of peptides and proteins after hydrolysis by a mixture of sepharose-bound peptidases. Bennett HP, et al.
Biochem J 129:695-701, Sep 72

Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. **J Lab Clin Med 81:803-8, May 73**

Establishment of human malignant melanoma clonal cell lines that secrete ectopic adrenocorticotropin. Orth DN. **Nature [New Biol] 242:26-8, 7 Mar 73**

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. **Steroids Lipids Res 3:225-8, 1972**

ANTAGONISTS & INHIBITORS

Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. **Endocrinology 92:743-9, Mar 73**

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73

Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73

BIOSYNTHESIS

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al.
Aust J Biol Sci 25:1249-57, Dec 72

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73

Establishment of human malignant melanoma clonal cell lines that secrete ectopic adrenocorticotropin. Orth DN. **Nature [New Biol] 242:26-8, 7 Mar 73**

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al.
Neuroendocrinology 11:156-76, 1973

[Growth regulation of hematopoiesis and humoral control of cell division] Paukovits WR.
Wien Klin Wochenschr 85:Suppl 8:1-12, 1973 (Eng. Abstr.) (Ger)

BLOOD

The effect of maternal hypoxia on fetal pituitary hormone release in the sheep. Alexander DP, et al.
Biol Neonate 21:219-23, 1972

The metabolic and endocrine response to injury: a review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin. Lybeck H, et al. **Int J Neurosci 5:47, Jan 73**

A comparison of the -melanocyte-stimulating hormone and corticotropin response to hypoglycemia. Donald RA, et al. **J Clin Endocrinol Metab 36:925-30, May 73**

The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

Plasma cortisol during normal glucose tolerance. Rodman HM, et al. **Metabolism 22:745-8, May 73**

Adrenocortical response to ACTH in Addison's disease. Tyler FH. **N Engl J Med 288:854-5, 19 Apr 73**

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al.
Nature [New Biol] 241:84-5, 17 Jan 73

Serum total corticoid and cortisol levels in premature

infants with respiratory distress syndrome. Reynolds JW. **Pediatrics** 51:884-90, May 73

An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH. Rivier C, et al. **Proc Soc Exp Biol Med** 142:842-5, Mar 73

[Ectopic hormonal syndromes] Albeaux-Fernet M. **Sem Hop Paris** 49:245-58, 20 Jan 73 (Eng. Abstr.) (Fre)

[The role of the pituitary gland in the pathogenesis of Cushing's syndrome] Haugen HN. **Tidsskr Nor Laegeforen** 92:2205-8, 20 Nov 72 (Eng. Abstr.) (Nor)

DIAGNOSTIC USE

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al. **Br Med J** 2:147-9, 21 Apr 73

Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. **Br Med J** 1:778-9, 31 Mar 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab** 38:887-79, May 73

Familial glucocorticoid insufficiency. Moshang T Jr, et al. **J Pediatr** 82:821-8, May 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. **J Pediatr** 82:444-9, Mar 73

[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al. **Med Klin** 87:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

[The functional state of the adrenal cortex in lymphogranulomatosis patients] Chikvashvili AM. **Vopr Onkol** 18:30-5, 1972 (Eng. Abstr.) (Rus)

[The functional state of the adrenal cortex in congenital heart defects of the pale type] Ivashkevich EI, et al. **Vrach Delo** 11:7-11, Nov 72 (Eng. Abstr.) (Rus)

[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. **Bratisl Lek Listy** 59:495-500, Apr 73 (Slo)

ISOLATION & PURIFICATION

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. **J Endocrinol** 58:599-608, Mar 73

METABOLISM

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al. **Arch Intern Med** 131:583-9, Apr 73

Genetic and biochemical studies of the adrenal lipid depletion phenotype in mice. Doering CH, et al. **Biochem Genet** 8:101-11, Jan 73

Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone ssecretion on subsequent stress responses in the rat. Dallman MF, et al. **Endocrinology** 92:1387-75, May 73

Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary. Fleischer N, et al. **Endocrinology** 92:1555-9, May 73

Regional responses of the pituitary to corticotropin-releasing factor (CRF) and ammonium ions. Wei E, et al. **Endocrinology** 92:710-5, Mar 73

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al. **Nature [New Biol]** 241:84-5, 17 Jan 73

The clinical laboratory in the investigation of patients with head injury. Parent AD, et al. **South Med J** 66:579-85, May 73

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al. **Steroids** 21:553-64, Apr 73

PHARMACODYNAMICS

Early variations of plasma cortisol after pulse intravenous injection of dibutyryl cyclic adenosine 3',5'-monophosphate in normal subjects. Angeli A, et al. **Acta Endocrinol (Kbh)** 72:753-81, Apr 73

Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. **Acta Endocrinol (Kbh)** 72:737-45, Apr 73

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. **Acta Endocrinol (Kbh)** 72:746-52, Apr 73

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al. **Acta Physiol Lat Am** 22:231-40, 1972

Extra-adrenal effect of ACTH on fibrinogen synthesis. Seligsohn U, et al. **Am J Physiol** 224:1172-9, May 73

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al. **Am J Vet Res** 34:353-8, Mar 73

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE. **Ann NY Acad Sci** 203:123-6, 18 Dec 72

Effect of chlorophenoxyisobutyric acid (CPIB) on fat-mobilizing lipolysis and cyclic AMP levels in rat epididymal fat. Carlson LA, et al. **Atherosclerosis** 16:349-57, Nov-Dec 72

The structure and function of adrenal autotransplants. Wright RD, et al. **Aust J Exp Biol Med Sci** 50:873-92, Dec 72

Control of cyclic AMP levels in isolated fat cells from hamsters. Hittelman KJ, et al. **Biochim Biophys Acta** 304:188-98, 30 Mar 73

Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al. **Biochim Biophys Acta** 304:203-9, 30 Mar 73

The effect of some synthetic analogues of ACTH on the metabolism of biogenic amines in the rat brain. Leonard BE. **Br J Pharmacol** 46:560P-581P, Nov 72

Studies with a mass balance method of measuring fibrinogen synthesis. Reeve EB, et al. **Ciba Found Symp** 9:91-111, 1972

Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone ssecretion on subsequent stress responses in the rat. Dallman MF, et al. **Endocrinology** 92:1367-75, May 73

Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. **Endocrinology** 92:847-52, Mar 73

Effect of hypophysectomy on serum dopamine-beta-hydroxylase activity in rat. Lamprecht F, et al. **Endocrinology** 92:1543-6, May 73

Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. **Endocrinology** 92:879-88, Mar 73

Cyclic 3',5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al. **Endocrinology** 92:692-7, Mar 73

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al. **Endocrinology** 92:1502-8, May 73

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. **Endokrinologie** 81:75-93, 1973

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem** 32:506-12, 1 Feb 73

Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. Kuo WN, et al. **J Biol Chem** 248:2705-11, 25 Apr 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al. **J Biol Chem** 248:2409-17, 10 Apr 73

Regulation of adenosine 3',5'-monophosphate-dependent protein kinase. II. Hormonal regulation of the adipose tissue enzyme. Soderling TR, et al. **J Biol Chem** 248:1822-9, 10 Mar 73

Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al. **J Clin Endocrinol Metab** 38:937-43, May 73

Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al. **J Clin Endocrinol Metab** 38:965-77, May 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73
The role of transcortin in the regulation of corticotrophin secretion. Acs Z, et al.
J Endocrinol 56:317-8, Feb 73
Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feb 73
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73
Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73
Morphological differentiation of adrenal cortical cells induced by a 40-minute exposure to corticotrophin. Milner AJ. J Endocrinol 56:325-6, Feb 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73
The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. J Endocrinol 57:123-34, Apr 73
Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:529-36, Mar 73
The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:537-49, Mar 73
The relationship of the splanchnic, hepatic and renal clearance rates to the metabolic clearance rate of cortisol in conscious sheep. Panaretto BA, et al.
J Endocrinol 56:285-94, Feb 73
Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. Richardson MC, et al. J Endocrinol 55:127-39, Oct 72
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72
The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. J Invest Dermatol 60:183-7, Apr 73
Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. J Lab Clin Med 81:803-8, May 73
Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al.
J Pharm Sci 62:690-2, Apr 73
Study of phosphodiesterase inhibitors on lipolysis, phosphodiesterase activity and cyclic 3',5'-adenosine monophosphate levels in isolated fat cells. Allen DO, et al. J Pharmacol Exp Ther 185:379-85, May 73
Adrenocortical response to ACTH in Addison's disease. Tyler FH. N Engl J Med 288:854-5, 19 Apr 73
Catecholamine and Ca 2+ activation of adenylate cyclase systems in synaptosomal fractions from rat cerebral cortex. Von Hungen K, et al.
Nature [New Biol] 242:58-60, 14 Mar 73
The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72
Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Vapaatalo H, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72
Effect of lysine vasopressin and ACTH 4-10 on conditioned avoidance behavior of hypophysectomized rats. Bohus B, et al.
Neuroendocrinology 11:137-43, 1973
Chronic stress effects on adrenocortical responsiveness in young and aged rats. Riegle GD.
Neuroendocrinology 11:1-10, 1973
Corticoids and respiratory distress. Holm WW.
Pediatrics 51:955-6, May 73
Effect of adrenocorticotropic hormone on appetitive discrimination learning in the rat. Miller RE, et al.
Physiol Behav 10:141-3, Jan 73
On the state of the nervous system. Fortuyn JD.
Psychiatr Neurol Neurochir 76:1-7, Jan-Feb 73
Effects of a week of ACTH or corticosteroid treatment on the diuretic response to water intake. A probably neuropostpituitary response to corticosteroid load.
Bernard-Weil E. Steroids Lipids Res 3:24-9, 1972
Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972
[Adrenocortical activity in piglets at weaning in comparison with exogenous stimulation with ACTH] Dvořák M.
Vet Med (Praha) 17:871-8, 1972 (Eng. Abstr.) (Cze)
[Should ACTH be given after finished corticosteroid therapy?] Frey H.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)
[Stimulating effect of the adrenocorticotrophic hormone on human blood lymphocytes in cell cultures] Astaldi G, et al.
Stud Cercet Med Interna 14:217-25, 1973 (Rum)
[Cell changes in the rat adrenal cortex during repeated administration of ACTH] Kirillov OI.
Probl Endokrinol (Mosk) 19:99-101, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA.
Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)
[The effect of extirpation of the thymus on adrenal cortical function] Pokrovskaia SV.
Fiziol Zh 19:200-4, Mar-Apr 73 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

Effect of hypophysectomy, isletectomy and ACTH on glycemia and hematocrit in the bullhead, Ictalurus melas. Chidambaram S, et al.
J Exp Zool 184:75-80, Apr 73
Plasma aldosterone regulation in anephric man. Walker WG, et al. Kidney Int 3:1-5, Jan 73
Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
[Mechanism of action of the pituitary hormones] Oye I.
Tidsskr Nor Laegeforen 92:2146-8, 20 Nov 72 (Eng. Abstr.) (Nor)
[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)
[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)
[Molecular basis of the relation between the cytotoxic effect of antineoplastic compounds and the cell cycle phase] Belousova AK.
Vopr Onkol 18:88-96, 1972 (70 ref.) (Rus)
[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O.
Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

SECRETION

A marker for medullary carcinoma of thyroid.
Br Med J 2:257-8, 5 May 73
Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73
Expectancy and the pituitary-adrenal system. Levine S, et al. Ciba Found Symp 8:281-91, 1972
Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73
The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin. Lybeck H, et al. Int J Neurosci 5:47, Jan 73
The role of transcortin in the regulation of corticotrophin secretion. Acs Z, et al.
J Endocrinol 56:317-8, Feb 73
Adenohypophysis of foetal sheep: correlation of

ultrastructure with functional activity. Alexander DP, et al. **J Physiol (Lond)** 230:10P-12P, Apr 73

Relationship between catecholamines and ACTH: effects of 6-hydroxy-dopamine. Lippa AS, et al. **Nature [New Biol]** 241:24-5, 3 Jan 73

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al. **Neuroendocrinology** 11:156-76, 1973

Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat. Lengvári I, et al. **Neuroendocrinology** 11:191-6, 1973

[Kallopenic endocrine diseases] Hänze S. **Med Welt** 24:717-21, 4 May 73 **(Ger)**

[Adrenal cortex stimulating hormone (ACTH)] Egucbi Y. **Clin Endocrinol (Tokyo)** 21:121-7, Feb 73 (100 ref.) **(Jap)**

[Functional differentiation of anterior pituitary cells] Yoshimura F. **Clin Endocrinol (Tokyo)** 21:107-20, Feb 73 (69 ref.) **(Jap)**

[The hypothalamo--pituitary--adrenal axis] Solem JH. **Tidsskr Nor Laegeforen** 92:2166-70, 20 Nov 72 (Eng. Abstr.) **(Nor)**

[Action of myocardial peptide preparation on ovarian function in mice] Nanu-Ionescu L, et al. **Stud Cercet Endocrinol** 24:193-8, 1973 **(Rum)**

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk)** 50:16-21, Aug 72 (Rns)

THERAPEUTIC USE

Long-term immunosuppressive therapy of ulcerative colitis. Continuation of a personal series. Korelitz BI, et al. **Am J Dig Dis** 18:317-22, Apr 73

Cholestyramine: factors limiting its antidiarrheal effect in patients resected for regional enteritis. Sklar M, et al. **Am J Gastroenterol** 59:397-400, May 73

Traumatic optic neuritis. Ticho U, et al. **Ann Ophthalmol** 5:430-2, Apr 73

Idiopathic facial palsy and pregnancy. Mair IW, et al. **Ann Otol Rhinol Laryngol** 82:235-9, Mar-Apr 73

The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Tribe AE, et al. **Aust NZ J Med** 3:6-13, Feb 73

Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. el-Shaboury AH, et al. **Br Med J** 2:85-6, 14 Apr 73

Herpes simplex and zoster. **Br Med J** 1:799-800, 31 Mar 73

Theophylline compounds and myasthenia gravis. II. Clinical report of nine cases. Brumlik J, et al. **Clin Pharmacol Ther** 14:380-5, May-Jun 73

Gout. **JAMA** 224:Suppl 5:757-66, 30 Apr 73

A case of leprous nodular interstitial myositis. Jopling WH, et al. **Lepr Rev** 43:39-43, Mar 72

Systemic corticosteroid therapy. Turtle JR. **Med J Aust** 2:1251-6, 25 Nov 72

Medical and surgical management of stroke. **Stroke** 4:273-320, Mar-Apr 73

[Is all chronic neurosensory deafness irreversible?] Sala O, et al. **Rev Laryngol Otol Rhinol (Bord)** 93:513-22, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[50th contribution of the Central Expert Committee for Drug Trade, Section Human Medicine] Poppe W, et al. **Dtsch Gesundheitsw** 28:136-9, 3 Jan 73 **(Ger)**

[Collagen metabolism in combined therapy of rheumatoid arthritis] Weimann G, et al. **Med Klin** 68:344-50, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Use of synthetic ACTH (Synacthen depot) in the treatment of various forms of epilepsy in children] Bramhilla F, et al. **Riv Neurol** 42:542-51, Nov-Dec 72 **(Ita)**

[Various aspects of Lennox's syndrome (report on 100 cases)] Cappella L, et al. **Riv Neurol** 42:530-6, Nov-Dec 72 **(Ita)**

[Inhibitors of immunopoiesis in the complex therapy of childhood cerebral palsy] Kvitash VA, et al. **Zh Nevropatol Psikhiatr** 72:1476-9, 1972 (Eng. Abstr.) **(Rus)**

[Pathogenesis and treatment of lightning and nutatory seizures] Voronkov BV. **Zh Nevropatol Psikhiatr** 72:1554-6, 1972 (Eng. Abstr.) **(Rns)**

[Treatment of epilepsy in children] Oller-Daurella L. **Acta Neurol Lat Am** 18:52-67, 1972 (Eng. Abstr.) **(Spa)**

FSH

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating bormone and anti-thyrotrophin sera. Rohyn C, et al. **Acta Endocrinol (Kbh)** 72:625-42, Apr 73

A simple and cheap remotely operated system for the iodination of proteins. Henville A, et al. **Anal Biochem** 52:336-41, Apr 73

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. **Endocrinology** 92:921-30, Mar 73

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypotbalamic-inhibiting factor. LaBella FS, et al. **Endocrinology** 92:1571-4, May 73

Gonadotropic activities of thyrotropic tumors: demonstration by immunohistochemical staining. Furth J, et al. **Proc Soc Exp Biol Med** 142:1180-4, Apr 73

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al. **Z Zellforsch Mikrosk Anat** 138:63-73, 21 Mar 73 (Eng. Abstr.) **(Fre)**

[Chemistry of the "releasing" hormones. History and latest developments] Boler J. **Tidsskr Nor Laegeforen** 92:2154-60, 20 Nov 72 (Eng. Abstr.) **(Nor)**

ADMINISTRATION & DOSAGE

Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al. **Biol Reprod** 8:299-305, Apr 73

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. **Proc Soc Exp Biol Med** 143:59-62, May 73

ANALYSIS

Radioimmunoassay of ovine FSH. Kragt CL, et al. **J Anim Sci** 36:908-13, May 73

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. **J Clin Endocrinol Metab** 36:817-25, May 73

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. **J Urol** 109:436-9, Mar 73

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al. **Ann Endocrinol (Paris)** 33:481-91, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

BLOOD

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al. **Acta Endocrinol (Kbh)** 72:643-53, Apr 73

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al. **Am J Dis Child** 125:495-503, Apr 73

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al. **Am J Obstet Gynecol** 115:193-6, 15 Jan 73

Some physiological and clinical aspects of puberty. Visser HK. **Arch Dis Child** 48:169-82, Mar 73 (96 ref.)

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci** 50:861-72, Dec 72

Studies on a radioimmunoassay for ovine follicle stimulating hormone: interference by ovine albumin. Salamonsen LA, et al. **Aust J Exp Biol Med Sci** 51:83-92, Feb 73

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. **Aust NZ J Med** 2:366-75, Nov 72

Plasma gonadotropin levels during early stages of ovarian tumorigenesis in mice of the W x -W u genotype. Murphy ED, et al. **Cancer Res** 33:721-3, Apr 73

Ether derivatives of a progestin and estrogen in

monthly dosage. Danowski TS, et al.
Clin Pharmacol Ther 14:455-61, May-Jun 73

LH and FSH releasing potency of the synthetic decapeptide
p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Thomas K, et al.
Contraception 6:55-64, Jul 72

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al.
Endocrinology 92:1507-14, May 73

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al.
Endocrinology 92:1419-25, May 73

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. **Endocrinology** 92:921-30, Mar 73

Blockade by progesterone of estrogen-induced LH and FSH release in the rhesus monkey. Dierschke DJ, et al.
Endocrinology 92:1496-501, May 73

Time-courses of LH and FSH release after mating in the female rabbit. Dufy-Barbe L, et al.
Endocrinology 92:1318-21, May 73

Release of FSH after administration of gonadotrophin-releasing hormone or estradiol to the anestrous ewe. Jonas HA, et al.
Endocrinology 92:862-5, Mar 73

Serum LH and FSH levels in mated and unmated proestrous female rats. Rodgers CH, et al.
Endocrinology 92:1475-9, May 73

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al.
Fertil Steril 24:319-23, Apr 73

Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. **Fertil Steril** 24:252-9, Apr 73

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73

Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Eng. Abstr.) (Ger)

Male pseudobermaphroditism due to testicular 17 -hydroxysteroid debydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73

Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al.
J Clin Endocrinol Metab 36:920-4, May 73

Blood levels of gonadotropins and gonadal bormones in gynecomastia associated with chronic hemodialysis. Sawin CT, et al.
J Clin Endocrinol Metab 36:988-90, May 73

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab** 36:886-93, May 73

Regulation of buman gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating bormone of pituitary, serum and urinary origin. Talas M, et al. **J Clin Endocrinol Metab** 36:817-25, May 73

Hypotbalamic amenorrhea and hypogonadotropinism: responses to syntbetic LRF. Yen SS, et al.
J Clin Endocrinol Metab 36:811-6, May 73

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al.
J Clin Invest 52:783-8, Apr 73

Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al.
J Endocrinol 56:431-9, Mar 73

Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. **J Endocrinol** 56:315-6, Feb 73

The value of a cervical score in the assessment of ovarian function. Flynn AM, et al.
J Obstet Gynaecol Br Commonw 80:152-9, Feb 73

A familial syndrome of deafness, alopecia, and bypogonadism. Crandall BF, et al.
J Pediatr 82:461-5, Mar 73

A Y-autosome translocation 46,X,t(Yq-7q+) associated with multiple congenital anomalies. Develing AJ, et al.
J Pediatr 82:495-8, Mar 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73

Effect of hemiovariectomy on serum FSH and LH levels during the oestrous cycle in the rat. Howland BE, et al.
J Reprod Fertil 32:501-3, Mar 73

Androgenization of the female rat with androstenediol. Johnson DC. **J Reprod Fertil** 32:159-61, Jan 73

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. **J Reprod Fertil** 32:391-401, Mar 73

The postoperative decrease of plasma testosterone in man, after major surgery, in relation to plasma FSH and LH. Carstensen H, et al.
J Steroid Biochem 4:45-55, Jan 73

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d.
J Urol 109:847-9, May 73

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology** 11:46-56, 1973

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. **Obstet Gynecol** 41:585-94, Apr 73

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al.
Prostaglandins 3:89-95, Jan 73

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al.
Prostaglandins 1:443-51, Jun 72

[Gonadotropins in the blood of men] Jirkalová V, et al.
Cesk Gynekol 38:159-61, Apr 73 (Cze)

[Hyposomatotrophic dwarfism in a girl twin] Aubert L, et al.
Ann Endocrinol (Paris) 33:41-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Effect of L-dopa on pituitary hormones and on carbohydrate and fat metabolism in normal persons and in patients with Parkinsonism] Geser CA, et al.
Schweiz Med Wochenschr 103:690-7, 12 May 73 (Eng. Abstr.) (Ger)

[Blood serum FSH activity in women with glaucoma simplex] Gierek A, et al.
Ginekol Pol 44:403-7, Apr 73 (Eng. Abstr.) (Pol)

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

HISTORY

Background of the development of the work in isolating interstitial cell-stimulating hormone (luteinizing hormone) and follicle-stimulating hormone. Li CH.
Am J Obstet Gynecol 115:1150-2, 15 Apr 73

ISOLATION & PURIFICATION

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by

ethanol-ammonium acetate. Römmler A, et al.
Acta Endocrinol (Kbh) 72:643-53, Apr 73

Background of the development of the work in isolating interstitial cell-stimulating hormone (luteinizing hormone) and follicle-stimulating hormone. Li CH.
Am J Obstet Gynecol 115:1150-2, 15 Apr 73

METABOLISM

A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotubules of the hypothalamus-hypophysial tract in the rat. Parada MI, et al. Experientia 29:195-6, 15 Feb 73

Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Eng. Abstr.) (Ger)

Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al.
J Clin Endocrinol Metab 36:811-6, May 73

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. Neuroendocrinology 11:46-56, 1973

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

[Ultrastructural changes in the mouse adenohypophyseal gonadotropic cells following partial hepatectomy] Zotter S.
Exp Pathol (Jena) 7:234-43, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effects of gonadotrophins and cyclic 3',5'-AMP on in vitro incorporation of (3 H)uridine into RNA of the prepubertal rat ovary. Jaristedt J, et al.
Acta Endocrinol (Kbh) 72:771-85, Apr 73

FSH action on the -aminoisobutyric acid transport in the prepubertal rat testes. Irusta O, et al.
Acta Physiol Lat Am 22:276-8, 1972

Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al.
Endocrinology 92:1565-7, May 73

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73

A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotubules of the hypothalamus-hypophysial tract in the rat. Parada MI, et al. Experientia 29:195-6, 15 Feb 73

Glycolytic and lipolytic effects of ovine FSH and estradiol-17 in the lizard Anolis carolinensis. Marschall C, et al.
Gen Comp Endocrinol 20:407-12, Apr 73

Estrus, ovulation and conception in hormone treated prepubertal Hereford heifers. Neville WE Jr, et al.
J Anim Sci 36:540-5, Mar 73

Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72

Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus. Imai K. J Reprod Fertil 33:91-8, Apr 73

The effects of erythritol, FSH and female gonadal hormones on the growth in vitro of Vibrio fetus var. venerealis. Walsh AF, et al.
J Reprod Fertil 32:465-71, Mar 73

Effects of vaginal stimulation and luteinizing hormone on hypothalamic single units in the freely moving rabbit. Dufy B, et al.
Neuroendocrinology 11:119-29, 1973

Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Selilcovich A, et al.
Steroids Lipids Res 3:214-9, 1972

PHYSIOLOGY

Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73

[The mechanisms which regulate ovulation] Curchod A, et al.
Rev Med Suisse Romande 92:775-84, Oct 72 (Fre)

SECRETION

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al.
Am J Obstet Gynecol 115:193-6, 15 Jan 73

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

Hypothalamic follicle-stimulating-hormone-releasing factor content in the female rat before and after puberty. Sud SC, et al.
Indian J Exp Biol 10:262-4, Jul 72

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73

Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. J Endocrinol 56:315-6, Feb 73

Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Deheljuk L, et al.
Neuroendocrinology 11:130-6, 1973

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73

The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al.
Proc Soc Exp Biol Med 142:1097-100, Apr 73

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72

[Hormonal parameters in the anovulation cycle of the woman] Horský J, et al.
Cesk Gynekol 38:155-6, Apr 73 (Cze)

[Effect of resection of ovaries on FSH and LH secretion] Stehlíková J, et al.
Cesk Gynekol 38:161-2, Apr 73 (Cze)

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)

[Gonadotropic and steroid hormone excretion during 17-oxyprogesterone caproate therapy of primary endometrial cancer] Mezinova NN, et al.
Akush Ginekol (Mosk) 49:40-4, Jan 73 (Eng. Abstr.) (Rus)

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

STANDARDS

A summary of the biological activities of the various lots of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Reichert LE Jr, et al. Endocrinology 92:1301-4, May 73

URINE

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al.
Am J Dis Child 125:495-503, Apr 73

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972

Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al.
Br Med J 2:214-5, 28 Apr 73

Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Eng. Abstr.) (Ger)

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. J Clin Endocrinol Metab 36:817-25, May 73

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73

The value of a cervical score in the assessment of ovarian function. Flynn AM, et al.
J Obstet Gynaecol Br Commonw 80:152-9, Feb 73

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

[Excretion of gonadotropic hormones in uterine fibromyoma patients] Benediktov II, et al.
Akush Ginekol (Mosk) 49:13-6, Jan 73 (Eng. Abstr.) (Rus)

GONADOTROPINS

Release of FSH after administration of gonadotrophin-releasing hormone or estradiol to the anestrous ewe. Jonas HA, et al.
Endocrinology 92:862-5, Mar 73

A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum. Nett TM, et al.
J Clin Endocrinol Metab 36:880-5, May 73

[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Feis E, et al.
Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Bioassay of antigonadotropic sera. (Assay of the pregnant mare serum gonadotropin (PMS) neutralising potency). Calamera JC.
Andrologie 4:203-12, 1972

[Treatment of anovulatory sterility. II. Analysis of the results of the use of human gonadotropins] Canales ES, et al.
Ginecol Obstet Mex 33:85-97, Jan 73 (Eng. Abstr.) (Spa)

ANALYSIS

[Research on identification and titration of gonadotropins for therapeutic use by immunologic methods. 3. Experimental research on preparations of equine origin: serum gonadotropin or PMSG] Beys-L'Hoest B.
J Pharm Belg 27:519-42, Sep-Oct 72 (Eng. Abstr.) (Fre)

[The relationship between the function of the genital system and the level of serotonin in the hypothalamus] Piekhova EI.
Fiziol Zh 18:834-6, Nov-Dec 72 (Ukr)

ANTAGONISTS & INHIBITORS

An antigonadotropin from the ovaries of the insect Rhodnius prolixus Stål. Huebner E, et al.
Can J Zool 51:113-20, Feb 73

Inactivation of pineal antigonadotrophin by proteolytic enzymes. Matthews MJ, et al.
J Endocrinol 56:339-40, Feb 73

[Hormonal and antihormonal activity of steriod catabolism products of the hexahydroindan group] Schnabel R, et al.
Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)

BLOOD

The treatment of endometriosis with Danazol. Friedlander RL. J Reprod Med 10:197-9, Apr 73

Pituitary inhibition of pregnancy. Hearn JP.
Nature 241:207-8, 19 Jan 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973

[Gonadotropins in the blood of men] Jirkalová V, et al.
Cesk Gynekol 38:159-61, Apr 73 (Cze)

[Ectopic hormonal syndromes] Alheaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)

METABOLISM

Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al.
Lipids 8:224-31, Apr 73

Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al.
Nature [New Biol] 242:246-8, 25 Apr 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973

[Hormonal disorders and arthropathies of the temporomandibular joints] Loewit K, et al.
Osterr Z Stomatol 70:122-5, Apr 73 (Ger)

PHARMACODYNAMICS

Reproductive pattern after completion of ovulation stimulation treatment. Cox LW.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72

Comparison of the activities of two purified fish gonadotropins on adenyl cyclase activity in the goldfish ovary. Fontaine YA, et al.
Can J Zool 50:1673-6, Dec 72

The induction of ovulation and oestrus in the chinchilla. Weir BJ. J Reprod Fertil 33:61-8, Apr 73

Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al.
Lipids 8:224-31, Apr 73

[Long-term effects of hyper-ovulatory treatment on pregnancy in rats] Chrétien FC.
Ann Endocrinol (Paris) 33:507-16, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Action of methallihure and exogen gonadotrophins on the testis of jenynsia lineata (Teleostei)] Calvo J, et al. Acta Physiol Lat Am 22:212-7, 1972 (Spa)

PHYSIOLOGY

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. J Reprod Med 10:193-6, Apr 73

Multiple pregnancy. 1. Benirschke K, et al.
N Engl J Med 288:1276-84, 14 Jun 73 (105 ref.)

How does the brain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)

Ultrastructure of the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell. Pearson AK, et al. Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73

[Experimental study on ovulation induction by cyclofenil (sexovid, F6066), with special reference to its effect on the ovary] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:193-201, Feb 73 (Jap)

[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

STANDARDS

A comparison between total gonadotropin assays using mouse uterine units and milligram equivalents of the second international reference preparation from human menopausal urine. Bagli NP, et al.
Indian J Med Res 60:339-46, Mar 72

THERAPEUTIC USE

Reproductive pattern after completion of ovulation stimulation treatment. Cox LW.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72

Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973

[Fertility disorders in males. Prevention, diagnosis and therapy from the andrological view point] Landes E, et al. Fortschr Med 91:163-6, 8 Feb 73 (Ger)

[Treatment of anovulatory sterility. II. Analysis of the results of the use of human gonadotropins] Canales ES, et al.
Ginecol Obstet Mex 33:85-97, Jan 73 (Eng. Abstr.) (Spa)

URINE

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al.
Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73

Metaphyseal and epiphyseal dysplasia with unusual facies and cataract. Kozlowski K, et al.
Am J Dis Child 125:553-6, Apr 73

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al.
Am J Dis Child 125:495-503, Apr 73

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73

A comparison between total gonadotropin assays using mouse uterine units and milligram equivalents of the second international reference preparation from human menopausal urine. Bagli NP, et al.
Indian J Med Res 60:339-46, Mar 72

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al.
J Neurosurg 38:309-19, Mar 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al.
Urol Int 28:135-44, 1973

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973

[Serologic test for pregnancy] Zulman A, et al.
Harefuah 84:242-3, 15 Feb 73 (Heb)

[Excretion of gonadotropic hormones in uterine fibromyoma patients] Benediktov II, et al.
Akush Ginekol (Mosk) 49:13-6, Jan 73 (Eng. Abstr.) (Rus)

[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

[The prognostic significance of a decrease in total gonadotropin excretion in dysfunctional uterine hemorrhage] Vishnevskiĭ AS.
Vopr Onkol 18:86-7, 1972 (Rus)

[Immunologic reaction to gonadotropins as a test to determine pregnancy] Khilobok VI.
Pediatr Akush Ginekol 5:43-5, Oct 72 (Ukr)

GONADOTROPINS, PITUITARY

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al.
Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Combined intra-uterine and extra-uterine pregnancy in two patients treated with human pituitary gonadotrophins. Robertson S, et al.
Aust NZ J Obstet Gynaecol 12:253-4, Nov 72

ANTAGONISTS & INHIBITORS

[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)

BIOSYNTHESIS

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al.
Aust J Biol Sci 25:1249-57, Dec 72

BLOOD

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al.
J Anim Sci 36:716-21, Apr 73

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d.
J Urol 109:847-9, May 73

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)

METABOLISM

[Ultrastructural changes in the mouse adenohypophyseal gonadotropic cells following partial hepatectomy] Zotter S.
Exp Pathol (Jena) 7:234-43, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Robyn C, et al.
Acta Endocrinol (Kbh) 72:625-42, Apr 73

A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72

Effect of temperature and keeping time of female sturgeons in captivity on maturation of oocytes under the influence of hormones in vitro. Davydova SI.
Sov J Dev Biol 3:339-44, Jul-Aug 72

[Effect of estrogens and hypophyseal gonadotropins on milk] Kästli P.
Wien Tieraerztl Monatsschr 60:43-6, Feb-Mar 73 (Eng. Abstr.) (Ger)

[Action of methallibure and exogen gonadotrophins on the testis of jenynsia lineata (Teleostei)] Calvo J, et al. Acta Physiol Lat Am 22:212-7, 1972 (Spa)

PHYSIOLOGY

[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. 1. The fertile age] Aakvaag A.
Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Eng. Abstr.) (Nor)

[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al.
Am J Obstet Gynecol 115:966-71, 1 Apr 73

Chemical methods of male contraception. Jackson H.
Am Sci 61:188-93, Mar-Apr 73

Treatment of acromegaly. Aloia JF, et al.
Arch Intern Med 131:509-15, Apr 73

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. J Physiol (Lond) 230:10P-12P, Apr 73

[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)

[Action of myocardial peptide preparation on ovarian function in mice] Nanu-Ionescu L, et al.
Stud Cercet Endocrinol 24:193-8, 1973 (Rum)

THERAPEUTIC USE

[Hypothalamic-pituitary conditioned amenorrhea and infertility] Strand A.

Tidsskr Nor Laegeforen 92:2184-8, 20 Nov 72 (Eng. Abstr.) (Nor)

URINE

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. Aust J Exp Biol Med Sci 50:861-72, Dec 72

Nyctohemeral growth hormone levels in children with growth retardation and inflammatory bowel disease. Gotlin RW, et al. Gut 14:191-5, Mar 73

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. Psychol Med 5:28-38, Feb 73

[Gonadotropic and steroid hormone excretion during 17-oxyprogesterone caproate therapy of primary endometrial cancer] Mezinova NN, et al. Akush Ginekol (Mosk) 49:40-4, Jan 73 (Eng. Abstr.) (Rus)

[Neutral 17-ketosteroids, estrogens and gonadotropins and the urine of males with endocrine forms of sex dysfunction disorders] Nishchymenko OV. Fiziol Zh 18:627-31, Sep-Oct 72 (Eng. Abstr.) (Ukr)

LH

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Robyn C, et al. Acta Endocrinol (Kbh) 72:625-42, Apr 73

A simple and cheap remotely operated system for the iodination of proteins. Henville A, et al. Anal Biochem 52:336-41, Apr 73

Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al. Biochem Biophys Res Commun 51:165-73, 5 Mar 73

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. Endocrinology 92:1507-14, May 73

Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Bennett WI, et al. Endocrinology 92:813-21, Mar 73

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. Endocrinology 92:921-30, Mar 73

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al. Endocrinology 92:1571-4, May 73

Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72

Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72

Radioimmunoassay of luteinizing hormone releasing factor. Jeffcoate SL, et al. J Endocrinol 57:189-90, Apr 73

A pituitary function test with synthetic LH-releasing hormone. Keller PJ. J Obstet Gynaecol Br Commonw 80:72-4, Jan 73

Oestrogen production by individual follicles explanted from ovaries of sheep. Moor RM. J Reprod Fertil 32:545-8, Mar 73

Morphological effect of antiserum to luteinizing hormone on early pregnancy in mice. Munshi SR, et al. J Reprod Fertil 33:127-8, Apr 73

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

Radioimmunoassay of luteinizing hormone releasing hormone. Barker HM, et al. Nature 242:527-8, 20 Apr 73

Gonadotropic activities of thyrotropic tumors: demonstration by immunohistochemical staining. Furth J, et al. Proc Soc Exp Biol Med 142:1180-4, Apr 73

The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al. Proc Soc Exp Biol Med 143:260-4, May 73

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al. Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)

[Chemistry of the "releasing" hormones. History and latest developments] Boler J. Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)

ADMINISTRATION & DOSAGE

The sequence of changes in prepubertal male rat serum testosterone following intravenous injection of rat LH. Parlow AF, et al. J Reprod Fertil 32:163-5, Jan 73

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73

Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al. Proc Soc Exp Biol Med 142:804-10, Mar 73

ANALYSIS

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al. Endocrinology 92:1419-25, May 73

The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al. J Reprod Fertil 32:71-8, Jan 73

Effect of starvation on LH levels in male and female hamsters. Howland BE, et al. J Reprod Fertil 32:505-7, Mar 73

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al. Physiol Behav 9:401-7, Sep 72

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al. Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Immunochemical LH determination and pregnanediol excretion during the normal cycle] Tenhaeff D, et al. Zentralbl Gynaekol 95:241-6, 23 Feb 73 (Ger)

BIOSYNTHESIS

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B. J Steroid Biochem 4:89-118, Jan 73 (88 ref.)

BLOOD

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al. Acta Endocrinol (Kbh) 72:643-53, Apr 73

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al. Am J Dis Child 125:495-503, Apr 73

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al. Am J Obstet Gynecol 115:193-6, 15 Jan 73

Sperm migration through the uterine cervix in the macaque during the menstrual cycle. Jaszczak S, et al. Am J Obstet Gynecol 115:1070-82, 15 Apr 73

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al. Am J Vet Res 34:631-6, May 73

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. Aust J Exp Biol Med Sci 50:861-72, Dec 72

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. Aust NZ J Med 2:366-75, Nov 72

Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al. Biochem Biophys Res Commun 51:165-73, 5 Mar 73

Validation of an ovine--ovine LH radioimmunoassay for

use in the hamster. Blake CA, et al. **Biol Reprod** 8:299-305, Apr 73

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. **Biol Reprod** 8:321-6, Apr 73

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al. **Biol Reprod** 8:378-87, Apr 73

Androgen responses during physical exercise. Sutton JR, et al. **Br Med J** 1:520-2, 3 Mar 73

Plasma gonadotropin levels during early stages of ovarian tumorigenesis in mice of the W x -W u genotype. Murphy ED, et al. **Cancer Res** 33:721-3, Apr 73

Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al. **Clin Pharmacol Ther** 14:455-61, May-Jun 73

LH and FSH releasing potency of the synthetic decapeptide p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Thomas K, et al. **Contraception** 6:55-64, Jul 72

Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Thomas K, et al. **Contraception** 6:1-16, Jul 72

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. **Endocrinology** 92:1507-14, May 73

Inhibition of the proestrous surge of prolactin in the rat by nicotine. Blake CA, et al. **Endocrinology** 92:1334-8, May 73

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al. **Endocrinology** 92:1419-25, May 73

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. **Endocrinology** 92:921-30, Mar 73

Blockade by progesterone of estrogen-induced LH and FSH release in the rhesus monkey. Dierschke DJ, et al. **Endocrinology** 92:1496-501, May 73

Time-courses of LH and FSH release after mating in the female rabbit. Dufy-Barbe L, et al. **Endocrinology** 92:1318-21, May 73

Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. **Endocrinology** 92:1515-26, May 73

Release of FSH after administration of gonadotrophin-releasing hormone or estradiol to the anestrous ewe. Jonas HA, et al. **Endocrinology** 92:562-5, Mar 73

Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey. Karsch FJ, et al. **Endocrinology** 92:799-804, Mar 73

Serum luteinizing hormone, prolactin and progesterone levels during pregnancy in the rat. Morishige WK, et al. **Endocrinology** 92:1527-30, May 73

Serum LH and FSH levels in mated and unmated proestrous female rats. Rodgers CH, et al. **Endocrinology** 92:1475-9, May 73

Temporal patterns of LH release following graded preoptic electrochemical stimulation in proestrous rats. Turgeon J, et al. **Endocrinology** 92:755-61, Mar 73

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. **Fertil Steril** 24:319-23, Apr 73

Leukocyte alkaline phosphatase monitoring of ovarian function in normal and clomiphene-treated cycles. Polishuk WZ, et al. **Fertil Steril** 24:245-51, Apr 73

Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. **Fertil Steril** 24:252-9, Apr 73

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al. **Fertil Steril** 24:340-4, May 73

Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al. **Folia Endocrinol (Roma)** 26:1-7, Feb 73 (Eng. Abstr.) (Ger)

Serum luteinizing hormone (LH) in ewes treated with various dosages of 17 -estradiol at three stages of the anestrous season. Beck TW, et al. **J Anim Sci** 36:566-70, Mar 73

Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al. **J Anim Sci** 36:741-8, Apr 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al. **J Anim Sci** 36:716-21, Apr 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goehelsmann U, et al. **J Clin Endocrinol Metab** 36:867-79, May 73

Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al. **J Clin Endocrinol Metab** 36:920-4, May 73

Blood levels of gonadotropins and gonadal hormones in gynecomastia associated with chronic hemodialysis. Sawin CT, et al. **J Clin Endocrinol Metab** 36:988-90, May 73

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab** 36:886-93, May 73

Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al. **J Clin Endocrinol Metab** 36:811-6, May 73

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Keich RP, et al. **J Clin Invest** 52:1122-8, May 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest** 52:783-8, Apr 73

Serum luteinizing hormone, prolactin, glucocorticoid, and progestin in dairy cows from calving to gestation. Edgerton LA, et al. **J Dairy Sci** 56:451-8, Apr 73

Plasma luteinizing hormone and oestrogen in foetal and maternal sheep. Alexander DP, et al. **J Endocrinol** 56:331-2, Feb 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al. **J Endocrinol** 57:7-22, Apr 73

Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats. Caligaris L, et al. **J Endocrinol** 55:97-103, Oct 72

Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. **J Endocrinol** 57:187-8, Apr 73

Luteinizing hormone and progesterone in peripheral blood during the ovulatory cycle of the hen Gallus domesticus. Furr BJ, et al. **J Endocrinol** 57:159-69, Apr 73

Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al. **J Endocrinol** 56:431-9, Mar 73

Oestradiol levels in the peripheral blood of cows during the oestrous cycle. Shemesh M, et al. **J Endocrinol** 55:73-8, Oct 72

Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. **J Endocrinol** 56:315-6, Feb 73

Endocrine studies with empty sella. Brisman R. **J Neurosurg** 38:537, Apr 73

A pituitary function test with synthetic LH-releasing hormone. Keller PJ. **J Obstet Gynaecol Br Commonw** 80:72-4, Jan 73

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al. **J Pediatr** 82:461-5, Mar 73

A Y-autosome translocation 46,X,t(Yq-7q+) associated with multiple congenital anomalies. Develing AJ, et al. **J Pediatr** 82:495-8, Mar 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. **J Pediatr** 82:444-9, Mar 73

Radioimmunoassay for equine luteinizing hormone. Anand AS, et al. **J Reprod Fertil** 32:475-7, Mar 73

Effect of starvation on LH levels in male and female hamsters. Howland BE, et al. **J Reprod Fertil** 32:505-7, Mar 73

Effect of hemiovariectomy on serum FSH and LH levels during the oestrous cycle in the rat. Howland BE, et al. **J Reprod Fertil** 32:501-3, Mar 73

Androgenization of the female rat with androstenediol. Johnson DC. **J Reprod Fertil** 32:159-61, Jan 73

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in

normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73

Ultrastructure and endocrinological correlates of an early implantation site in the rhesus monkey. Reinius S, et al. **J Reprod Fertil 32:171-3, Jan 73**

Effects of exogenous oestradiol and progesterone on serum levels of prostaglandin F and luteinizing hormone in chronically ovariectomized rats. Saksena SK, et al. **J Reprod Fertil 32:495-9, Mar 73**

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. **J Reprod Fertil 32:391-401, Mar 73**

The postoperative decrease of plasma testosterone in man, after major surgery, in relation to plasma FSH and LH. Carstensen H, et al.
J Steroid Biochem 4:45-55, Jan 73

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d.
J Urol 109:847-9, May 73

Release of luteinizing hormone by oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al.
Neuroendocrinology 11:57-66, 1973

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology 11:46-56, 1973**

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. **Obstet Gynecol 41:585-94, Apr 73**

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

Blockade of the proestrous LH surge in cyclic rats by barbiturate administration on diestrus. Beattie CW, et al. **Proc Soc Exp Biol Med 142:933-5, Mar 73**

Bovine serum LH, GH, and prolactin during late pregnancy, parturition and early lactation. Ingalls WG, et al. **Proc Soc Exp Biol Med 143:161-4, May 73**

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73

Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone. Rippel RH, et al.
Proc Soc Exp Biol Med 143:55-8, May 73

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al.
Prostaglandins 3:89-95, Jan 73

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al.
Prostaglandins 1:443-51, Jun 72

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al.
Psychol Med 5:28-38, Feb 73

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al.
Steroids 21:553-64, Apr 73

[Gonadotropins in the blood of men] Jirkalová V, et al.
Cesk Gynekol 38:159-61, Apr 73 (Cze)

[Hyposomatotrophic dwarfism in a girl twin] Auhert L, et al.
Ann Endocrinol (Paris) 33:41-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Release of a positive estrogen feedback effect in homosexual men] Dörner G, et al.
Endokrinologie 60:297-301, 1972 (Eng. Abstr.) (Ger)

[Effect of L-dopa on pituitary hormones and on carbohydrate and fat metabolism in normal persons and in patients with Parkinsonism] Geser CA, et al.
Schweiz Med Wochenschr 103:690-7, 12 May 73 (Eng. Abstr.) (Ger)

[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)

[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

HISTORY

Background of the development of the work in isolating interstitial cell-stimulating hormone (luteinizing hormone) and follicle-stimulating hormone. Li CH.
Am J Obstet Gynecol 115:1150-2, 15 Apr 73

ISOLATION & PURIFICATION

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al.
Acta Endocrinol (Kbh) 72:643-53, Apr 73

Background of the development of the work in isolating interstitial cell-stimulating hormone (luteinizing hormone) and follicle-stimulating hormone. Li CH.
Am J Obstet Gynecol 115:1150-2, 15 Apr 73

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al.
Am J Vet Res 34:631-6, May 73

METABOLISM

Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. **Endocrinology 92:1515-26, May 73**

On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor. Wakabayashi K, et al.
Endocrinology 92:698-704, Mar 73

A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotubules of the hypothalamus-hypophysial tract in the rat. Parada MI, et al. **Experientia 29:195-6, 15 Feb 73**

Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Eng. Abstr.) (Ger)

Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al.
J Clin Endocrinol Metab 36:811-6, May 73

Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al.
J Endocrinol 56:431-9, Mar 73

Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al.
Nature [New Biol] 242:246-8, 25 Apr 73

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology 11:46-56, 1973**

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al.
Steroids 21:553-64, Apr 73

[Ultrastructural changes in the mouse adenohypophyseal gonadotropic cells following partial hepatectomy] Zotter S.
Exp Pathol (Jena) 7:234-43, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effects of gonadotrophins and cyclic 3',5'-AMP on in vitro incorporation of (3 H)uridine into RNA of the prepuberal rat ovary. Jaristedt J, et al.
Acta Endocrinol (Kbh) 72:771-85, Apr 73

FSH action on the -aminoisobutyric acid transport in the prepuberal rat testes. Irusta O, et al.
Acta Physiol Lat Am 22:276-8, 1972

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al.
Biochim Biophys Acta 304:197-202, 30 Mar 73

Peripheral levels of estrogen in the cyclic hamster. Baranczuk R, et al. **Endocrinology** 92:805-12, Mar 73

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. **Endocrinology** 92:840-6, Mar 73

Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al. **Endocrinology** 92:788-91, Mar 73

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. **Endocrinology** 92:1405-13, May 73

A depolymerizing effect of the luteinizing hormone and follicle stimulating bormone on the neurotubules of the hypothalamus-hypopbysial tract in the rat. Parada MI, et al. **Experientia** 29:195-6, 15 Feb 73

Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al. **Fertil Steril** 24:275-83, Apr 73

Estrus, ovulation and conception in bormone treated prepuberal Hereford heifers. Neville WE Jr, et al. **J Anim Sci** 36:540-5, Mar 73

Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. Kuo WN, et al. **J Biol Chem** 248:2705-11, 25 Apr 73

Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. **J Endocrinol** 55:173-84, Oct 72

The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al. **J Endocrinol** 56:403-11, Mar 73

A comparison of the effects of pituitary hormones and aminophylline on progestational bormone production by the rabbit ovary in vivo. Horrell E, et al. **J Endocrinol** 55:205-6, Oct 72

Human luteinizing bormone in man: studies of metabolism and biological action. Marshall JC, et al. **J Endocrinol** 56:431-9, Mar 73

Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus. Imai K. **J Reprod Fertil** 33:91-8, Apr 73

The sequence of changes in prepubertal male rat serum testosterone following intravenous injection of rat LH. Parlow AF, et al. **J Reprod Fertil** 32:163-5, Jan 73

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al. **J Reprod Med** 10:133-8, Mar 73 (28 ref.)

Effects of vaginal stimulation and luteinizing hormone on hypothalamic single units in the freely moving rabbit. Dufy B, et al. **Neuroendocrinology** 11:119-29, 1973

Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone. Rippel RH, et al. **Proc Soc Exp Biol Med** 143:55-8, May 73

Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al. **Proc Soc Exp Biol Med** 142:804-10, Mar 73

Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosyntbesis. I. Armstrong DT, et al. **Prostaglandins** 1:21-8, Jan 72

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al. **Prostaglandins** 1:245-58, Apr 72

Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis. Chasalow FI, et al. **Prostaglandins** 1:107-17, Feb 72

Dissociation of ovulatory and steroidogenic actions of luteinizing hormone in rabbits with indomethacin, an inbibitor of prostaglandin biosynthesis. Grinwich DL, et al. **Prostaglandins** 1:89-96, Feb 72

The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit. O'Grady JP, et al. **Prostaglandins** 1:97-106, Feb 72

PHYSIOLOGY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: horses, sheep, and swine. Del Campo CH, et al. **Am J Vet Res** 34:305-16, Mar 73 (59 ref.)

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. **Endocrinology** 92:840-6, Mar 73

Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. **J Endocrinol** 57:187-8, Apr 73

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. **J Endocrinol** 57:63-744, Apr 73

Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. **J Endocrinol** 56:421-9, Mar 73

The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al. **J Reprod Fertil** 32:71-8, Jan 73

[The mechanisms which regulate ovulation] Curchod A, et al. **Rev Med Suisse Romande** 92:775-84, Oct 72 **(Fre)**

SECRETION

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al. **Am J Obstet Gynecol** 115:966-71, 1 Apr 73

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al. **Am J Obstet Gynecol** 115:193-6, 15 Jan 73

Some physiological and clinical aspects of puberty. Visser HK. **Arch Dis Child** 48:169-82, Mar 73 (96 ref.)

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al. **J Clin Invest** 52:1122-8, May 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al. **J Endocrinol** 57:7-22, Apr 73

Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats. Caligaris L, et al. **J Endocrinol** 55:97-103, Oct 72

Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. **J Endocrinol** 57:187-8, Apr 73

Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. **J Endocrinol** 56:315-6, Feb 73

Fall in plasma-testosterone levels in normal male subjects in response to an oral glucose load. Wall JR, et al. **Lancet** 1:967-8, 5 May 73

Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Debeljuk L, et al. **Neuroendocrinology** 11:130-6, 1973

Release of luteinizing hormone by oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al. **Neuroendocrinology** 11:57-66, 1973

The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al. **Physiol Behav** 9:401-7, Sep 72

Mediation of the mating induced increase in accessory reproductive organ size of male rats. Thomas TR, et al. **Physiol Behav** 10:13-7, Jan 73

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. **Proc Soc Exp Biol Med** 143:59-62, May 73

Tbe effect of colchicine on tbe release of rat anterior pituitary bormones in vitro. Sundberg DK, et al. **Proc Soc Exp Biol Med** 142:1097-100, Apr 73

Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonadotrophin secretion. Orczyk GP, et al. **Prostaglandins** 1:3-20, Jan 72

[Hormonal parameters in the anovulation cycle of the woman] Horský J, et al. **Cesk Gynekol** 38:155-6, Apr 73 **(Cze)**

[Effect of resection of ovaries on FSH and LH secretion] Stehlíková J, et al. **Cesk Gynekol** 38:161-2, Apr 73 **(Cze)**

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al. **Ann Endocrinol (Paris)** 33:481-91, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.

Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)
[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)
[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

STANDARDS

A summary of the biological activities of the various lots of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Reichert LE Jr, et al. Endocrinology 92:1301-4, May 73

URINE

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al.
Am J Dis Child 125:495-503, Apr 73
Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972
Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function. Fraioli F, et al.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Eng. Abstr.) (Ger)
Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73
Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al.
J Endocrinol 56:431-9, Mar 73
Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)
[Function of corpus luteum in early pregnancy] Dyková H, et al. Cesk Gynekol 38:132-4, Apr 73 (Cze)
[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlebner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)
[Clinical value of luteonosticon test] Hohlweg W.
Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)
[The importence of determining luteinizing hormone excretion in males in studying the causes of marital sterility] Aladashvili VD.
Akush Ginekol (Mosk) 49:75-6, Jan 73 (Rus)
[Excretion of gonadotropic hormones in uterine fibromyoma patients] Benediktov II, et al.
Akush Ginekol (Mosk) 49:13-6, Jan 73 (Eng. Abstr.) (Rus)
[Excretion of luteinizing hormone and clomiphene] Ruiz Velasco V.
Ginecol Obstet Mex 33:167-84, Feb 73 (Eng. Abstr.) (Spa)

LIPOTROPIN

[Hormonal regulation of lipid metabolism. 19th symposium of the German Society of Endocrinology] Dtsch Med Wochenschr 98:787-91, 13 Apr 73 (Ger)

ANALYSIS

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al.
Anat Rec 175:529-37, Mar 73

MENOTROPINS

ADMINISTRATION & DOSAGE

Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Bennett WI, et al.
Endocrinology 92:813-21, Mar 73

ADVERSE EFFECTS

Estrogen monitoring and the prevention of ovarian overstimulation during gonadotropin therapy. Karam KS, et al. Am J Obstet Gynecol 115:972-7, 1 Apr 73
Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73
Malignant teratoma of testis in a subfertile man treated with HCG and HMG. A case report. Rubin SO.
Scand J Urol Nephrol 7:81-4, 1973

PHARMACODYNAMICS

Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Bennett WI, et al.
Endocrinology 92:813-21, Mar 73
A pituitary function test with synthetic LH-releasing hormone. Keller PJ.
J Obstet Gynaecol Br Commonw 80:72-4, Jan 73

THERAPEUTIC USE

Estrogen monitoring and the prevention of ovarian overstimulation during gonadotropin therapy. Karam KS, et al. Am J Obstet Gynecol 115:972-7, 1 Apr 73
Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73
[Results of human menopausal gonadotropin in the correction of spermatopathia] Molnar J.
Minerva Ginecol 25:61-8, Feb 73 (Eng. Abstr.) (Ita)
[Hypothalamic-pituitary conditioned amenorrhea and infertility] Strand A.
Tidsskr Nor Laegeforen 92:2184-8, 20 Nov 72 (Eng. Abstr.) (Nor)

MSH

[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)

ANALYSIS

Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al.
Biochem Biophys Res Commun 51:100-6, 5 Mar 73

ANTAGONISTS & INHIBITORS

Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al.
Biochem Biophys Res Commun 51:100-6, 5 Mar 73
Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al.
Neuroendocrinology 11:92-100, 1973

BLOOD

A comparison of the -melanocyte-stimulating hormone and corticotropin response to hypoglycemia. Donald RA, et al. J Clin Endocrinol Metab 36:925-30, May 73
Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73
Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors. Sandler M, et al. Lancet 1:612, 17 Mar 73

PHARMACODYNAMICS

Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors. Sandler M, et al. Lancet 1:612, 17 Mar 73
Control of phenotypic expression of cultured

melanoma cells hy melanocyte stimulating hormones. Wong G, et al. Nature [New Biol] 241:213-5, 14 Feh 73

PHYSIOLOGY

Melanocyte-stimulating hormone and parkinsonism. Shuster S, et al. Lancet 1:768, 7 Apr 73

SECRETION

Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al. Biochem Biophys Res Commun 51:100-6, 5 Mar 73

[Functional differentiation of anterior pituitary cells] Yoshimura F. Clin Endocrinol (Tokyo) 21:107-20, Feh 73 (69 ref.) (Jap)

NEUROPHYSINS

ANALYSIS

A simple method for detection of neurosecretory products after polyacrylamide gel electrophoresis. Moens L, et al. Anal Biochem 51:466-9, Feh 73

Studies of neurophysin secreting neurons with immunoperoxidase techniques employing antihody to hovine neurophysin. I. Light microscopic findings in monkey and hovine tissues. Zimmerman EA, et al. Endocrinology 92:931-40, Mar 73

Cerehrospinal fluid and ependymal neurophysin. Rohinson AG, et al. J Clin Invest 52:1260-7, May 73

The distrihution of vasopressin and neurophysin in the hypothalamo-distal-neurohypophysial and hypothalamo-infundihular neurosecretory systems of normal and scrapie-affected sheep. Livett BG, et al. J Physiol (Lond) 230:20P-22P, Apr 73

A new hypothalamic pathway to the median eminence containing neurophysin and its hypertrophy in sheep with natural scrapie. Parry HB, et al. Nature 242:63-5, 2 Mar 73

Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog. Alvarez-Buylla R, et al. Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73

BLOOD

The effect of maternal hypoxia on fetal pituitary hormone release in the sheep. Alexander DP, et al. Biol Neonate 21:219-28, 1972

Cerebrospinal fluid and ependymal neurophysin. Rohinson AG, et al. J Clin Invest 52:1260-7, May 73

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al. Nature [New Biol] 241:247-9, 21 Feh 73

[Modification of the level of serum neurophysin during chronic renal failure] Legros JJ, et al. J Urol Nephrol (Paris) 78:734-7, Sep 72 (Fre)

METABOLISM

Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog. Alvarez-Buylla R, et al. Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73

PHYSIOLOGY

[Modification of the level of serum neurophysin during chronic renal failure] Legros JJ, et al. J Urol Nephrol (Paris) 78:734-7, Sep 72 (Fre)

SECRETION

Cerehrospinal fluid and ependymal neurophysin. Robinson AG, et al. J Clin Invest 52:1260-7, May 73

A new hypothalamic pathway to the median eminence containing neurophysin and its hypertrophy in sheep with natural scrapie. Parry HB, et al. Nature 242:63-5, 2 Mar 73

Release of neurohypophysial hormones hy exocytosis. Matthews EK, et al. Nature [New Biol] 241:86-8, 17 Jan 73

OXYTOCICS

Identification of serotonin in aqueous extracts of Oldenlandia affinis. Gran L. Lloydia 35:461-2, Dec 72

DIAGNOSTIC USE

[The test of fetal tolerance to uterine contraction. I. Technique and results] Hajeri H, et al. J Gynecol Obstet Biol Reprod (Paris) 1:855-67, Dec 72 (Eng. Ahstr.) (Fre)

OXYTOCIN

A study of uncomplicated prolongation of pregnancy. Sinnathuray TA. Aust NZ J Obstet Gynaecol 12:225-7, Nov 72

Carhon-13 nuclear magnetic resonance spectroscopy of oxytocin, related oligopeptides, and selected analogs. Brewster AI, et al. Biochemistry 12:1643-9, 10 Apr 73

Fallopian tube surgery for reversal of sterilization. Williams GF. Br Med J 1:599-601, 10 Mar 73

Automated determination of serum cystine aminopeptidase. Watson D, et al. Clin Biochem 6:60-1, Mar 73

The relationship of human umhilical arterial and venous plasma levels of corticosteroids to gestational age. Smith ID, et al. J Endocrinol 55:211-2, Oct 72

A scoring system for the assessment of multiple methods of monitoring fetal growth. Rohinson HP, et al. J Obstet Gynaecol Br Commonw 80:230-5, Mar 73

Comparative evaluation of oxytocinase and leucine amino peptidase during normal pregnancy. Floyd WS, et al. Obstet Gynecol 41:553-5, Apr 73

Oxytocin augmentation of saline ahortion. Hanson FW, et al. Obstet Gynecol 41:608-10, Apr 73

Ultrastructural modifications of frog urinary hladder epitheilum under the influence of hypertonic media. Ripoche P, et al. Z Zellforsch Mikrosk Anat 137:13-9, 9 Feh 73

ADMINISTRATION & DOSAGE

The influence of lysine-8-vasopressin, oxytocin, and adrenaline on vascular smooth muscle in the human finger. Gaskell P. Can J Physiol Pharmacol 51:284-90, Apr 73

Induction of lahour hy amniotomy and intravenous infusions of oxytocic drugs--a comparison hetween prostaglandins and oxytocin. Brown AA, et al. J Obstet Gynaecol Br Commonw 80:111-5, Feh 73

The effect of intra-amniotic oestriol sulphate on ahortion induced hy hypertonic saline. Dennis KJ, et al. J Obstet Gynaecol Br Commonw 80:41-5, Jan 73

Influence of exogenously administered oxytocin on prolactin release in the lactating rat. Kühn ER, et al. Neuroendocrinology 11:11-21, 1973

Oxytocin augmentation of saline ahortion. Hanson FW, et al. Obstet Gynecol 41:608-10, Apr 73

Saline instillation with oxytocin administration in midtrimester ahortion. Mann LI, et al. Obstet Gynecol 41:748-52, May 73

Extra-amniotic prostaglandin-oxytocin ahortion: comparison with the intra-amniotic method. Seppälä M, et al. Prostaglandins 3:17-28, Jan 73

[Tokometric studies in drug-induced lahor] Seewald HJ, et al. Zentralbl Gynaekol 95:296-301, 2 Mar 73 (Ger)

[Effects of prostaglandins E 2 and F 2 on uterine contractility] Noriega-Guerra L, et al. Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Eng. Ahstr.) (Spa)

ADVERSE EFFECTS

Oxytocin-induced rupture of the primigravid uterus. Daw E. J Obstet Gynaecol Br Commonw 80:374-5, Apr 73

Extra-amniotic prostaglandin-oxytocin ahortion: comparison with the intra-amniotic method. Seppälä M, et al. Prostaglandins 3:17-28, Jan 73

[Effects of prostaglandins E 2 and F 2 on uterine contractility] Noriega-Guerra L, et al. Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Eng. Ahstr.) (Spa)

ANALYSIS

Ultrastructure of the rat neural lohe during recovery from hypertonic saline treatment. Livingston A. Z Zellforsch Mikrosk Anat 137:361-74, 23 Feh 73

ANTAGONISTS & INHIBITORS

Spasmolytic effect of polysorhates (Tweens) 80 and 20

isolated tissues. Sabir M, et al.
Indian J Physiol Pharmacol 16:193-9, Jul-Sep 72
Regulation of the permeability to water in toad urinary bladder: the effect of copper. Parisi M, et al.
J Endocrinol 55:1-9, Oct 72

BLOOD

Factors affecting endogenous plasma oxytocic activity in lactating Holstein cows. Randy HA Jr, et al.
J Dairy Sci 56:446-50, Apr 73
Peripheral plasma levels of oxytocin and vasopressin in the mare during parturition. Allen WE, et al.
J Endocrinol 57:175-6, Apr 73
Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73
Comparative evaluation of oxytocinase and leucine amino peptidase during normal pregnancy. Floyd WS, et al. Obstet Gynecol 41:553-5, Apr 73
[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)
[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al.
Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)
[Water-salt test indices in uterine myoma patients] Bogdanovich M, et al.
Akush Ginekol (Mosk) 49:19-20, Jan 73 (Rus)

DIAGNOSTIC USE

[Difficulties in the diagnosis of completed extrauterine pregnancy] Augustín J, et al.
Cesk Gynekol 38:152-3, Apr 73 (Slo)

METABOLISM

The stimulatory influence of gonadal steroids and methallibure (ICI 33,828) on peptidase activity in the female rat hypothalamus. Griffiths EC, et al.
Fertil Steril 24:269-74, Apr 73

PHARMACODYNAMICS

Effects of prostaglandin F 2 , oxytocin, and ethanol on the uterus of the pregnant baboon. Lauersen NH, et al.
Am J Obstet Gynecol 115:912-8, 1 Apr 73
Hormonal factors influencing salt appetite in lactation. Shulkes AA, et al.
Aust J Exp Biol Med Sci 50:819-26, Dec 72
Evidence that Pro-Leu-Gly-NH 2 , tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone. Grant NH, et al.
Biochem Biophys Res Commun 51:100-6, 5 Mar 73
The influence of lysine-8-vasopressin, oxytocin, and adrenaline on vascular smooth muscle in the human finger. Gaskell P.
Can J Physiol Pharmacol 51:284-90, Apr 73
The natriuretic action of (4-leucine)-arginine-vasotocin. Cort JH, et al.
Experientia 29:173-5, 15 Feb 73
Some pharmacological properties of (4-leucine)-arginine-vasotocin. Pliška V, et al.
Experientia 29:171-3, 15 Feb 73
Oxytocin receptor in frog bladder epithelial cells. Relationship of (3 H)oxytocin binding to adenylate cyclase activation. Roy C, et al.
FEBS Lett 30:329-34, 15 Mar 73
Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al.
Fertil Steril 24:275-83, Apr 73
Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feb 73
Influence of exogenously administered oxytocin on prolactin release in the lactating rat. Kühn ER, et al.
Neuroendocrinology 11:11-21, 1973
The effect of prostaglandin F2alpha on the small arteries of the omentum uteri in the rat. Cseply J, et al. Prostaglandins 1:235-8, Mar 72
Aspirin and indomethacin: effect on instillation-abortion time of mid-trimester hypertonic saline induced abortion. Waltman R, et al.
Prostaglandins 3:47-58, Jan 73
[Effect of prostaglandin A 2 (PGA 2) on electrobiological phenomena in isolated rat's myometrium] Maloflejew M, et al.
Ginekol Pol 44:225-9, Mar 73 (Eng. Abstr.) (Pol)
[Clinical course of labor, induced by means of deaminooxitocin] Roszkowski I, et al.
Ginekol Pol 44:249-56, Mar 73 (Eng. Abstr.) (Pol)
[Action of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and prostaglandins E 1 and E 2] Bondani A, et al.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Spa)
[Dynamics in the uterine reactivity to oxytocin after release of amniotic fluid during last months of pregnancy] Dovala F, et al.
Cesk Gynekol 38:143-4, Apr 73 (Slo)

PHYSIOLOGY

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)
[The neurohypophyseal hormones, physiology and pathophysiology] Haugen HN.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Eng. Abstr.) (Nor)
[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

Release of neurohypophysial hormones by exocytosis. Matthews EK, et al.
Nature [New Biol] 241:86-8, 17 Jan 73
[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

THERAPEUTIC USE

Induction of labour by amniotomy and intravenous infusions of oxytocic drugs--a comparison between prostaglandins and oxytocin. Brown AA, et al.
J Obstet Gynaecol Br Commonw 80:111-5, Feb 73
Continuous extra-amniotic prostaglandin E 2 for therapeutic termination and the effectiveness of various infusion rates and dosages. Midwinter A, et al.
J Obstet Gynaecol Br Commonw 80:371-3, Apr 73
Midtrimester abortion using intraamniotic prostaglandin F2alpha. Anderson GG, et al.
Prostaglandins 1:147-55, Feb 72
On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:158-65, Feb 72
Extra-amniotic prostaglandin-oxytocin abortion: comparison with the intra-amniotic method. Seppälä M, et al. Prostaglandins 3:17-28, Jan 73
[Delivery with abnormal labor activity] Gevers RH.
Ned Tijdschr Geneeskd 117:589-92, 14 Apr 73 (Dut)
[Continual para-cervical block in the management of labour] Bremer B.
Geburtshilfe Frauenheilkd 33:92-7, Feb 73 (Eng. Abstr.) (Ger)
[Results of intensive care in prolonged pregnancy] Franke PR.
Zentralbl Gynaekol 95:78-86, 19 Jan 73 (Ger)

PITUITARY HORMONES

BIOSYNTHESIS

[The prostaglandins] Cierniewski C.
Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)

BLOOD

[General adaptation syndrome in the young animal] Hartmann H, et al.
Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)
[Evaluation of pituitary function by clinical bio-chemical assays] Norman N.
Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Eng. Abstr.) (Nor)

PHARMACODYNAMICS

In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al.
J Exp Zool 183:333-42, Mar 73
Ultrastructure of stellate sturgeon oocytes during maturation. I. Annulate lamellae and golgi complex.

Aizenshtadt TB, et al.
Sov J Dev Biol 3:220-9, May-Jun 72
[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Mechanism of action of the pituitary hormones] Oye I.
Tidsskr Nor Laegeforen 92:2146-8, 20 Nov 72 (Eng. Abstr.) (Nor)
[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

Release of neurohormones and neurotransmitters in the median eminence of the rat. Stoeckart R.
Acta Morphol Neerl Scand 10:386, Dec 72
Release of neurohypophysial hormones by exocytosis. Matthews EK, et al.
Nature [New Biol] 241:86-8, 17 Jan 73
[Ectopic hormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)
[General adaptation syndrome in the young animal] Hartmann H, et al.
Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)

PITUITARY HORMONES, ANTERIOR

[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

ANALYSIS

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al.
Anat Rec 175:529-37, Mar 73

BLOOD

[Effect of L-dopa on pituitary hormones and on carbohydrate and fat metabolism in normal persons and in patients with Parkinsonism] Geser CA, et al.
Schweiz Med Wochenschr 103:690-7, 12 May 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Genetic factors and hormonal stimulation affecting weight and fertility of ewe lambs. West DE, et al.
J Anim Sci 36:828-31, May 73
The relationship of hyperglycemia to periodontal disease. Rose H.
J Periodontol 44:303-8, May 73

SECRETION

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)

PITUITARY HORMONES, POSTERIOR

ADMINISTRATION & DOSAGE

Selective mesenteric arterial infusions in the management of massive diverticular hemorrhage. Baum S, et al. N Engl J Med 288:1269-72, 14 Jun 73

BIOSYNTHESIS

[Hypothalamus--pituitary gland. Functional-anatomical aspects] Nyberg-Hansen R.
Tidsskr Nor Laegeforen 92:2137-41, 20 Nov 72 (Eng. Abstr.) (Nor)

BLOOD

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73

PHARMACODYNAMICS

Effect of vasoactive drugs on hepatic haemodynamics in bilharzial liver cirrhosis. Fayez MA, et al.
J Egypt Med Assoc 55:567-76, 1972

PHYSIOLOGY

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)
[The neurohypophyseal hormones, physiology and pathophysiology] Haugen HN.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

[Electron microscopy study of the neurohypophysis in normal rats or after bilateral adrenalectomy. Study of the pituitary cells and on the mode of release of the neurosecretion] Erkoçak A.
Acta Anat (Basel) 84:178-201, 1973 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Selective mesenteric arterial infusions in the management of massive diverticular hemorrhage. Baum S, et al. N Engl J Med 288:1269-72, 14 Jun 73

PROLACTIN

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)
Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. Endocrinology 92:921-30, Mar 73
Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. J Endocrinol 55:31-40, Oct 72
[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

ADMINISTRATION & DOSAGE

Stimulatory effect of prolactin on incorporation of (3 H) thymidine into the urinary bladder of the flounder (Karelus bicoloratus). Hirano T, et al.
J Endocrinol 56:591-7, Mar 73
Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al.
Proc Soc Exp Biol Med 142:804-10, Mar 73

ADVERSE EFFECTS

Etiology of human breast cancer: a review. MacMahon B, et al. J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)

ANALYSIS

Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat. Ben-David M, et al.
Acta Endocrinol (Kbh) 72:654-62, Apr 73
Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)
Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al.
Endocrinology 92:1419-25, May 73
Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. Indian J Exp Biol 10:360-1, Sep 72
Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al.
J Clin Endocrinol Metab 36:951-64, May 73
Measurement of canine pituitary prolactin. Saluja PG, et al. J Endocrinol 56:245-58, Feb 73
Mechanism of diabetes in pregnancy and hormonal

levels for prediction of fetal outcome. Samaan NA. **Tex Med** 69:68-71, Apr 73

[Prolactin and galactorrhea] Villa JG, et al. **Rev Clin Esp** 128:183-94, 15 Feb 73 (115 ref.) (Spa)

ANTAGONISTS & INHIBITORS

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al. **Endocrinology** 92:1571-4, May 73

On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor. Wakabayashi K, et al. **Endocrinology** 92:698-704, Mar 73

Failure of reserpine to block ether-induced release of prolactin: physiological evidence that stress induced prolactin release is not caused by acute inhibition of PIF secretion. Valverde C, et al. **Life Sci [I]** 12:327-35, 1 Apr 73

[Prolactin and galactorrhea] Villa JG, et al. **Rev Clin Esp** 128:183-94, 15 Feb 73 (115 ref.) (Spa)

BIOSYNTHESIS

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tasseli R, et al. **Aust J Biol Sci** 25:1249-57, Dec 72

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al. **Cancer Res** 33:849-55, Apr 73

Promotion of pituitary prolactin release in rats by dibutyryl adenosine 3',5'-monophosphate. Nagasawa H, et al. **J Endocrinol** 55:215-6, Oct 72

BLOOD

Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat. Ben-David M, et al. **Acta Endocrinol (Kbh)** 72:654-62, Apr 73

Prognostic value of human chorionic somatomammotropin plasma levels in diabetic patients. Cohen M, et al. **Am J Obstet Gynecol** 115:202-10, 15 Jan 73

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. **Biochem Biophys Res Commun** 51:512-21, 2 Apr 73

Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al. **Br Med J** 2:214-5, 28 Apr 73

Changing concepts of prolactin in man. Vander Laan WP. **Calif Med** 118:28-37, Feb 73 (57 ref.)

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. **Endocrinology** 92:1507-14, May 73

Inhibition of the proestrous surge of prolactin in the rat by nicotine. Blake CA, et al. **Endocrinology** 92:1334-8, May 73

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al. **Endocrinology** 92:1419-25, May 73

Serum prolactin during various physiological states and its relationship to milk production in the bovine. Koprowski JA, et al. **Endocrinology** 92:1430-7, May 73

Serum luteinizing hormone, prolactin and progesterone levels during pregnancy in the rat. Morishige WK, et al. **Endocrinology** 92:1527-30, May 73

An early morning surge of prolactin in the male rat and its abolition by pinealectomy. Ronnekleiv OK, et al. **Endocrinology** 92:1339-42, May 73

Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al. **Fertil Steril** 24:340-4, May 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al. **J Anim Sci** 36:716-21, Apr 73

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al. **J Clin Endocrinol Metab** 36:951-64, May 73

Utility of L-dopa and water loading in evaluation of hyperprolactinemia. Buckman MT, et al. **J Clin Endocrinol Metab** 36:911-9, May 73

Blood levels of gonadotropins and gonadal hormones in gynecomastia associated with chronic hemodialysis. Sawin CT, et al. **J Clin Endocrinol Metab** 36:988-90, May 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest** 52:783-8, Apr 73

Serum luteinizing hormone, prolactin, glucocorticoid, and progestin in dairy cows from calving to gestation. Edgerton LA, et al. **J Dairy Sci** 56:451-8, Apr 73

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. **J Dairy Sci** 56:569-74, May 73

A solid phase radioimmunoassay for ovine and caprine prolactin using sepharose 6B: its application to the measurement of circulating levels of prolactin before and during parturition in the goat. Hart IC. **J Endocrinol** 55:51-62, Oct 72

Effect of 2-bromo--ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking. Hart IC. **J Endocrinol** 57:179-80, Apr 73

The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. **J Endocrinol** 57:177-8, Apr 73

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. **J Endocrinol** 55:31-40, Oct 72

Prevention of migraine by reducing prolactin levels. Horrobin DF. **Lancet** 1:777, 7 Apr 73

Failure of reserpine to block ether-induced release of prolactin: physiological evidence that stress induced prolactin release is not caused by acute inhibition of PIF secretion. Valverde C, et al. **Life Sci [I]** 12:327-35, 1 Apr 73

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology** 11:46-56, 1973

Human placental lactogen levels in relation to the initiation and maintenance of labor. Gillard M, et al. **Obstet Gynecol** 41:774-6, May 73

Serum prolactin levels in humans from birth to adult life. Guyda HJ, et al. **Pediatr Res** 7:534-40, May 73

Bovine serum LH, GH, and prolactin during late pregnancy, parturition and early lactation. Ingalls WG, et al. **Proc Soc Exp Biol Med** 143:161-4, May 73

Effects of ergocornine and CG 603 on blood prolactin and GH in rats bearing a pituitary tumor. Quadri SK, et al. **Proc Soc Exp Biol Med** 142:837-41, Mar 73

Suppression of proestrous and suckling-induced increase in serum prolactin by hypothalamic implant of prolactin. Voogt JL, et al. **Proc Soc Exp Biol Med** 142:1056-8, Apr 73

Levodopa test to predict response of carcinoma of the breast to surgical ablation of endocrine glands. Minton JP, et al. **Surg Gynecol Obstet** 136:971-4, Jun 73

ISOLATION & PURIFICATION

Changing concepts of prolactin in man. Vander Laan WP. **Calif Med** 118:28-37, Feb 73 (57 ref.)

METABOLISM

A new method of determining the hormone dependence of human breast cancer. Flax H. **Br J Surg** 60:317-8, Apr 73

Metabolic clearance rates and secretion rates of prolactin in sheep. Davis SL, et al. **Endocrinology** 92:1414-8, May 73

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al. **Nature [New Biol]** 241:20-2, 3 Jan 73

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology** 11:46-56, 1973

[Ultrastructural changes in the mouse adenohypophyseal gonadotropic cells following partial hepatectomy] Zotter S. **Exp Pathol (Jena)** 7:294-43, 1972 (Eng. Abstr.) (Ger)

[Prolactin and galactorrhea] Villa JG, et al. **Rev Clin Esp** 128:183-94, 15 Feb 73 (115 ref.) (Spa)

PHARMACODYNAMICS

Hormonal factors influencing salt appetite in lactation.

Sbulkes AA, et al.
Aust J Exp Biol Med Sci 50:819-26, Dec 72
The effect of hypophysectomy and subsequent replacement therapy with sheep prolactin or bovine growth hormone on the lactose synthetase activity of rabbit mammary gland. Jones EA, et al.
Biochem J 130:997-1002, Dec 72
Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al.
Endocrinology 92:840-6, Mar 73
Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. Endocrinology 92:847-52, Mar 73
Inhibition of crop sac growth by dexamethasone in ring doves (Streptopelia risoria). Silver R, et al.
Endocrinology 92:1568-71, May 73
Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73
Effects of thyroxine, thyrotropin, prolactin, and growth hormone on the maturation of the frog cerebellum. Gona AG. Exp Neurol 38:494-501, Mar 73
Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al.
Fertil Steril 24:275-83, Apr 73
In vitro hormonal requirement for lobulo-alveolar development in the mammary gland of high tumour albino mouse ICRC. Ranadive KJ, et al.
Indian J Exp Biol 10:327-32, Sep 72
Hormonal control of precursor pools, ribonucleic acid synthesis, and cellular morphology in mammary tissue pieces during lactogenesis. Mohrenweiser HW, et al.
J Dairy Sci 56:436-45, Apr 73
Tissue culture method for bovine mammary tissue: lactose synthesis. Richmond PA, et al.
J Dairy Sci 56:611-4, May 73
Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feb 73
Stimulatory effect of prolactin on incorporation of (3 H) thymidine into the urinary bladder of the flounder (Kareius bicoloratus). Hirano T, et al.
J Endocrinol 56:591-7, Mar 73
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72
Saluretic action of aldosterone in the presence of excess cortisol: restoration of salt-retaining action by prolactin. Horrobin DF, et al.
J Endocrinol 56:343-4, Feb 73
The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al.
J Endocrinol 56:235-43, Feb 73
An established cultured cell line (HBr-39) from human breast carcinoma. Plata EJ, et al.
J Natl Cancer Inst 50:849-62, Apr 73
Endocrine control of the maternal pheromone in the postpartum female rat. Leon M, et al.
Physiol Behav 10:65-7, Jan 73
Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al.
Proc Soc Exp Biol Med 142:804-10, Mar 73
Suppression of proestrous and suckling-induced increase in serum prolactin by hypothalamic implant of prolactin. Voogt JL, et al.
Proc Soc Exp Biol Med 142:1056-8, Apr 73
[Prolactin and galactorrbea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

PHYSIOLOGY

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)
Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. Gen Comp Endocrinol 20:312-25, Apr 73
Daily rhythms of plasma corticosterone in the common pigeon, Columba livia. Joseph MM, et al.
Gen Comp Endocrinol 20:326-30, Apr 73
Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking. Hart IC.
J Endocrinol 57:179-80, Apr 73
The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. J Endocrinol 57:177-8, Apr 73
Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. J Endocrinol 55:31-40, Oct 72
Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73
Endocrine control of the maternal pheromone in the postpartum female rat. Leon M, et al.
Physiol Behav 10:65-7, Jan 73
Stimulus control of the maternal pheromone in the lactating rat. Moltz H, et al.
Physiol Behav 10:69-71, Jan 73
Adenohypophysial growth and binding of thyroxine by adenohypopbysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

SECRETION

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al.
Biochem Biophys Res Commun 51:512-21, 2 Apr 73
Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)
Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73
Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al.
Endocrinology 92:1571-4, May 73
Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. Gen Comp Endocrinol 20:312-25, Apr 73
Promotion of pituitary prolactin release in rats by dibutyryl adenosine 3',5'-monophospbate. Nagasawa H, et al. J Endocrinol 55:215-6, Oct 72
Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. J Physiol (Lond) 230:10P-12P, Apr 73
Prolactin response to hypoglycaemia. Copinschi G, et al. Lancet 809:946, 28 Apr 73
Prevention of migraine by reducing prolactin levels. Horrobin DF. Lancet 1:777, 7 Apr 73
Failure of reserpine to block ether-induced release of prolactin: physiological evidence that stress induced prolactin release is not caused by acute inhibition of PIF secretion. Vaiverde C, et al.
Life Sci [I] 12:327-35, 1 Apr 73
Influence of exogenously administered oxytocin on prolactin release in the lactating rat. Kübn ER, et al.
Neuroendocrinology 11:11-21, 1973
[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)
[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)
[Prolactin: secretion in physiological conditions and in pathology] Zárate A, et al.
Ginecol Obstet Mex 33:109-19, Jan 73 (Eng. Abstr.) (Spa)
[Galactorrea. Study of 15 cases] Villa JG, et al.
Rev Clin Esp 128:233-8, 15 Feb 73 (Eng. Abstr.) (Spa)
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

STANDARDS

A summary of the biological activities of the various lots of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Reichert LE Jr, et al. Endocrinology 92:1301-4, May 73

THERAPEUTIC USE

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al.
J Endocrinol 56:235-43, Feb 73

URINE

Radioimmunoassay of prolactin in the urine of mouse and man. Sinha YN, et al.
J Clin Endocrinol Metab 36:1039-42, May 73

SOMATOTROPIN

Changing concepts of prolactin in man. Vander Laan WP. **Calif Med** 118:28-37, Feb 73 (57 ref.)

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al. **Endocrinology** 92:1571-4, May 73

Biological and immunochemical studies with growth hormone in pituitary extracts of elasmobranchs. Hayashida T. **Gen Comp Endocrinol** 20:377-85, Apr 73

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. **J Endocrinol** 55:31-40, Oct 72

[Placental lactogen in maternal blood during normal pregnancy] Berle P, et al. **Z Geburtshilfe Perinatol** 176:470-3, Dec 72 (Eng. Abstr.) **(Ger)**

[Functional differentiation of anterior pituitary cells] Yoshimura F. **Clin Endocrinol (Tokyo)** 21:107-20, Feb 73 (69 ref.) **(Jap)**

[Chemistry of the "releasing" hormones. History and latest developments] Boler J. **Tidsskr Nor Laegeforen** 92:2154-60, 20 Nov 72 (Eng. Abstr.) **(Nor)**

[Biochemistry, physiology and clinical use of growth hormone] Trygstad O. **Tidsskr Nor Laegeforen** 92:2170-2, 20 Nov 72 (Eng. Abstr.) **(Nor)**

ADMINISTRATION & DOSAGE

Diurnal variation in the responsiveness of human subjects to human growth hormone. Rudman D, et al. **J Clin Invest** 52:912-8, Apr 73

Effect of growth hormone on milk production and feed utilization in dairy cows. Machlin LJ. **J Dairy Sci** 56:575-80, May 73

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. **J Endocrinol** 56:235-43, Feb 73

The effect of nicotinic acid on growth hormone-induced lipolysis and glucose intolerance. Davidson MB, et al. **J Lab Clin Med** 81:568-76, Apr 73

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. **Pediatrics** 51:668-74, Apr 73

[A case of neonatal hypoparathyroidism] Dalery J, et al. **Pediatrie** 27:792-3, Oct-Nov 72 **(Fre)**

ADVERSE EFFECTS

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. **Pediatrics** 51:668-74, Apr 73

ANALYSIS

Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Moon HD, et al. **Anat Rec** 175:529-37, Mar 73

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. **J Endocrinol** 56:235-43, Feb 73

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al. **Nature [New Biol]** 241:20-2, 3 Jan 73

Mechanism of diabetes in pregnancy and hormonal levels for prediction of fetal outcome. Samaan NA. **Tex Med** 69:68-71, Apr 73

[Insulin blood level during oral by induced hypergiycemia in patients with growth hormone (G.H.) deficiency] Ruitton-Ugliengo A, et al. **Ann Endocrinol (Paris)** 33:531-3, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Growth hormone (GH)] Matsuzaki S. **Clin Endocrinol (Tokyo)** 21:129-35, Feb 73 (41 ref.) **(Jap)**

ANTAGONISTS & INHIBITORS

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. **Pediatrics** 51:668-74, Apr 73

BIOSYNTHESIS

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al. **Aust J Biol Sci** 25:1249-57, Dec 72

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al. **Cancer Res** 33:849-55, Apr 73

Plasma lipids in patients with chronic renal failure. Kaye JP, et al. **Clin Chim Acta** 44:301-5, 30 Mar 73

[Effect of simultaneous thymectomy and pinealectomy in newborn rats] Lapin V. **Exp Pathol (Jena)** 7:342-4, 1972 **(Ger)**

[The prostaglandins] Cierniewski C. **Postepy Biochem** 19:5-18, 1973 (Eng. Abstr.) **(Pol)**

BLOOD

Response of blood insulin and growth hormone to glucose infusion in normal, psoriatic and diabetic persons. Hopsu-Havu VK, et al. **Acta Derm Venereol (Stockh)** 53:39-44, 1973

Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al. **Acta Paediatr Scand** 62:304-6, May 73

Studies on growth hormone secretion in a patient with the diencephalic syndrome of emaciation. Häger A, et al. **Acta Paediatr Scand** 62:231-40, May 73

Insulin-induced hypoglycaemia in Ugandan patients with Chronic pancreatic disease. Some preliminary observations. Kajubi SK. **Afr J Med Sci** 4:31-6, Jan 73

Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al. **Am J Dis Child** 125:495-503, Apr 73

Prognostic value of human chorionic somatomammotropin plasma levels in diabetic patients. Cohen M, et al. **Am J Obstet Gynecol** 115:202-10, 15 Jan 73

The influence of maternal human growth hormone secretion on the weight of the newborn infant. Parekh MC, et al. **Am J Obstet Gynecol** 115:197-201, 15 Jan 73

Influence of suckling on the bovine growth hormone levels in the blood of lactating cow. Reynaert R, et al. **Ann Endocrinol (Paris)** 33:541-3, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity. O'Duffy JD, et al. **Ann Intern Med** 78:379-83, Mar 73

Response of glucose, insulin, free fatty acid, and human growth hormone to norepinephrine and hemorrhage in normal man. Hanson EL, et al. **Ann Surg** 177:453-7, Apr 73

Plasma glucagon concentrations in sheep: their regulation and relation to concentrations of insulin and growth hormone. Bassett JM. **Aust J Biol Sci** 25:1277-87, Dec 72

Plasma human growth hormone levels in response to meals: a reappraisal. Baker HW, et al. **Aust J Exp Biol Med Sci** 50:715-24, Dec 72

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. **Aust NZ J Med** 2:366-75, Nov 72

Endocrine responses to anaesthetic agents. Oyama T. **Br J Anaesth** 45:276-81, Mar 73 (82 ref.)

Sleep and growth hormone. Gotlin RW. **Br Med J** 1:744, 24 Mar 73

Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al. **Br Med J** 2:214-5, 28 Apr 73

Two anti-anxiety drugs: a psychoneuroendocrine study. Ogunremi OO, et al. **Br Med J** 2:202-5, 28 Apr 73

Androgen responses during physical exercise. Sutton JR, et al. **Br Med J** 1:520-2, 3 Mar 73

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. **Bull Physiopathol Respir (Nancy)** 8:1021-8, Sep-Oct 72

Potentiation of levodopa stimulation of human growth hormone by systemic decarboxylase inhibition. Mars H, et al. **Clin Pharmacol Ther** 14:390-5, May-Jun 73

Diurnal variation in glucose tolerance and in insulin secretion in man. Carroll KF, et al. **Diabetes** 22:333-48, May 73

Increased growth hormone in partial and total lipoatrophy. Tzagournis M, et al. **Diabetes** 22:388-96, May 73

Diabetic coma: serum growth hormone before and

during treatment. Alberti KG, et al. **Diabetologia** 9:13-9, Feb 73

Plasma GH responses to hypothalamic, hippocampal and amygdaloid electrical stimulation: effects of variation in stimulus parameters and treatment with -methyl-p-tyrosine (-MT). Martin JB, et al. **Endocrinology** 92:1354-61, May 73

Nyctohemeral growth hormone levels in children with growth retardation and inflammatory bowel disease. Gotlin RW, et al. **Gut** 14:191-5, Mar 73

Zeranol and dietary protein level effects on DNA, RNA and protein composition of three muscles and the relationship to serum insulin and GH levels of steers. Borger ML, et al. **J Anim Sci** 36:712-5, Apr 73

Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and blood metabolite levels of steers. Borger ML, et al. **J Anim Sci** 36:706-11, Apr 73

Comparison of blood source and diurnal variation on blood hydrocortisone, growth hormone, lactate, glucose and electrolytes in swine. Topel DG, et al. **J Anim Sci** 36:531-4, Mar 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest** 52:783-8, Apr 73

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. **J Dairy Sci** 56:569-74, May 73

Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking. Hart IC. **J Endocrinol** 57:179-80, Apr 73

The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. **J Endocrinol** 57:177-8, Apr 73

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. **J Endocrinol** 55:31-40, Oct 72

The effect of nicotinic acid on growth hormone-induced lipolysis and glucose intolerance. Davidson MB, et al. **J Lab Clin Med** 81:568-76, Apr 73

Endocrine studies with empty sella. Brisman R. **J Neurosurg** 38:537, Apr 73

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al. **J Neurosurg** 38:309-19, Mar 73

Glycemic response to 24 hour fast in normal children and children with ketotic hypoglycemia. Chaussain JL. **J Pediatr** 82:438-43, Mar 73

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al. **J Pediatr** 82:461-5, Mar 73

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al. **J Pediatr** 82:634-41, Apr 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al. **J Pediatr** 82:625-33, Apr 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. **J Pediatr** 82:444-9, Mar 73

Metabolic effects of malnutrition in childhood. Wharton B. **J R Coll Physicians Lond** 7:259-70, Apr 73 (43 ref.)

The temporal relation between HGH release and sleep stage changes at nocturnal sleep onset in man. Pawel MA, et al. **Life Sci [I]** 11:587-93, 15 Jun 72

Plasma cortisol during normal glucose tolerance. Rodman HM, et al. **Metabolism** 22:745-8, May 73

Gastrointestinal hormones and insulin secretion. Creutzfeldt W. **N Engl J Med** 288:1238-9, 7 Jun 73

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al. **Nature [New Biol]** 241:20-2, 3 Jan 73

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology** 11:183-90, 1973

Serum prolactin levels in humans from birth to adult life. Guyda HJ, et al. **Pediatr Res** 7:534-40, May 73

The effect of intravenous glucagon on plasma amino acids in the newborn. Reisner SH, et al. **Pediatr Res** 7:184-91, Apr 73

Growth hormone secretion after insulin stimulation in patients with chronic renal failure. Kokot F, et al. **Pol Med J** 11:1439-45, 1972

Bovine serum LH, GH, and prolactin during late pregnancy, parturition and early lactation. Ingalls WG, et al. **Proc Soc Exp Biol Med** 143:161-4, May 73

Effects of ergocornine and CG 603 on blood prolactin and GH in rats bearing a pituitary tumor. Quadri SK, et al. **Proc Soc Exp Biol Med** 142:837-41, Mar 73

Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone. Rippel RH, et al. **Proc Soc Exp Biol Med** 143:55-8, May 73

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. **Prostaglandins** 3:89-95, Jan 73

[Influence of trimepranol on somatotropin, insulin, glucose and on serum free fatty acids in thyrotoxicosis] Feit V, et al. **Vnitr Lek** 19:374-8, Apr 73 (Eng. Abstr.) **(Cze)**

[Hyposomatotrophic dwarfism in a girl twin] Aubert L, et al. **Ann Endocrinol (Paris)** 33:41-8, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Effect of ornithine hydrochloride on growth hormone (HGH) plasma levels] Gourmelen M, et al. **Ann Endocrinol (Paris)** 33:526-8, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Growth hormone and insulin blood levels in the newborn in basal conditions, after oral administration of glucose I.V. arginine infusion] Ponté C, et al. **Ann Endocrinol (Paris)** 33:523-5, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Secretions of growth hormone and insulin in the newborn infant. Measurements of serum levels in basal conditions, after oral glucose load and after intravenous arginine perfusion] Ponte C, et al. **Arch Fr Pediatr** 29:801-21, Oct 72 (Eng. Abstr.) **(Fre)**

[Ectopic hormonal syndromes] Albeaux-Fernet M. **Sem Hop Paris** 49:245-56, 20 Jan 73 (Eng. Abstr.) **(Fre)**

[Growth hormone and diabetic microangiopathy] Passa P. **Sem Hop Paris** 48:3329-32, 8 Dec 72 **(Fre)**

[Influence of hemodialysis on hormone levels in preterminal renal failure] Bindeballe W, et al. **Dtsch Med Wochenschr** 98:661-5, 20 Mar 73 (Eng. Abstr.) **(Ger)**

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al. **Dtsch Med Wochenschr** 98:539-41, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Partial growth hormone deficiency: endogenous growth hormone content and effect of exogenously administered human growth hormone] Butenandt O. **Klin Wochenschr** 51:266-71, 15 Mar 73 (Eng. Abstr.) **(Ger)**

[Effect of L-dopa on pituitary hormones and on carbohydrate and fat metabolism in normal persons and in patients with Parkinsonism] Geser CA, et al. **Schweiz Med Wochenschr** 103:690-7, 12 May 73 (Eng. Abstr.) **(Ger)**

[Light- and electron microscopic studies of pituitary adenomas in acromegaly with regard to their secretory activity] Saeger W. **Virchows Arch [Pathol Anat]** 358:343-54, 19 Feb 73 (Eng. Abstr.) **(Ger)**

[Radioimmunoassay of somatotropin (STH) and placental lactogen (HPL) during normal pregnancy] Janisch H, et al. **Wien Klin Wochenschr** 85:167-9, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Growth hormone (GH)] Matsuzaki S. **Clin Endocrinol (Tokyo)** 21:129-35, Feb 73 (41 ref.) **(Jap)**

[Feto-placental relation in fetal endocrine function] Takagi S, et al. **Clin Endocrinol (Tokyo)** 21:173-9, Feb 73 **(Jap)**

[Effect of hemodialysis on growth hormone secretion following insulin stimulation in patients with acute renal failure] Kokot F, et al. **Pol Arch Med Wewn** 50:235-42, Mar 73 (Eng. Abstr.) **(Pol)**

[Physiopathological correlations between growth hormone and carbohydrate metabolism] Marañón A, et al. **Rev Iber Endocrinol** 20:7-24, Jan-Feb 73 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation, purification and characterization of equine growth hormone. Conde RD, et al. **Eur J Biochem** 32:563-8, 1 Feb 73

Effect of growth hormone on milk production and feed

utilization in dairy cows. Machlin LJ.
J Dairy Sci 56:575-80, May 73

METABOLISM

Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary. Fleischer N, et al.
Endocrinology 92:1555-9, May 73

Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Ball JN, et al. Gen Comp Endocrinol 20:312-25, Apr 73

Insulin-receptor interaction in the obese-hyperglycemic mouse. A model of insulin resistance. Kahn CR, et al.
J Biol Chem 248:244-50, 10 Jan 73

The effect of sedation and awakening on energy substrates and hormonal relationships in the subhuman primate. Coran AG, et al.
J Surg Res 14:24-30, Jan 73

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al.
Nature [New Biol] 241:20-2, 3 Jan 73

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al.
Pediatrics 51:668-74, Apr 73

The clinical laboratory in the investigation of patients with head injury. Parent AD, et al.
South Med J 66:579-85, May 73

[Growth hormone and diabetic microangiopathy] Passa P. Sem Hop Paris 48:3329-32, 8 Dec 72 (Fre)

PHARMACODYNAMICS

Hormonal factors influencing salt appetite in lactation. Shulkes AA, et al.
Aust J Exp Biol Med Sci 50:819-26, Dec 72

The effect of hypophysectomy and subsequent replacement therapy with sheep prolactin or bovine growth hormone on the lactose synthetase activity of rabbit mammary gland. Jones EA, et al.
Biochem J 130:997-1002, Dec 72

Effect of insulin and growth hormone on rat liver cyclic nucleotide phosphodiesterase. Thompson WJ, et al.
Biochemistry 12:1889-94, 8 May 73

Perinatal brain DNA in the normal and growth hormone-treated rat. Croskerry PG, et al.
Brain Res 52:413-8, 30 Mar 73

The comparative effects of nutritional and hormonal factors on the synthesis of albumin, fibrinogen and transferrin. Jeejeebhoy KN, et al.
Ciba Found Symp 9:217-47, 1972

Action of growth hormone and thyroxine on aortas of hypophysectomized dogs. Brosnan ME, et al.
Diabetes 22:243-50, Apr 73

Diabetic coma: serum growth hormone before and during treatment. Alberti KG, et al.
Diabetologia 9:13-9, Feb 73

Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al.
Endocrinology 92:775-87, Mar 73

Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. Endocrinology 92:847-52, Mar 73

Effects of thyroxine, thyrotropin, prolactin, and growth hormone on the maturation of the frog cerebellum. Gona AG. Exp Neurol 38:494-501, Mar 73

Growth hormone and articular cartilage. Sledge CB.
Fed Proc 32:1503-5, Apr 73

In vitro hormonal requirement for lobulo-alveolar development in the mammary gland of high tumour albino mouse ICRC. Ranadive KJ, et al.
Indian J Exp Biol 10:327-32, Sep 72

Effect of growth hormone on milk production and feed utilization in dairy cows. Machlin LJ.
J Dairy Sci 56:575-80, May 73

Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK.
J Endocrinol 56:295-301, Feb 73

The effect of nicotinic acid on growth hormone-induced lipolysis and glucose intolerance. Davidson MB, et al. J Lab Clin Med 81:568-76, Apr 73

An established cultured cell line (HBr-39) from human breast carcinoma. Plata EJ, et al.
J Natl Cancer Inst 50:849-62, Apr 73

End organ metabolism of testosterone. I. Effects of hypophysectomy and growth hormone. Moshang T Jr, et al. J Steroid Biochem 4:11-5, Jan 73

The synergic action of the bovine growth hormone with some cytostatic drugs in the experimental therapy of Ehrlich and NK-Ly ascites tumors in mice. Baranowicz JW. Neoplasma 20:47-50, 1973

Biochemical aspects of drug and hormone action on adipose tissue. Fain JN.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)

Hyaluronate inhibition of chondrogenesis: antagonism of thyroxine, growth hormone, and calcitonin. Toole BP. Science 180:302-3, 20 Apr 73

[Comparative effects of underfeeding, hypothyroidism and hyperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the young rat] Rehière A, et al.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Biochemistry of rat hepatic cells during regeneration. 3. Action of somatotropin (STH)] Butculescu I.
Rev Roum Physiol 9:519-27, 1972 (Fre)

[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

PHYSIOLOGY

The role of growth hormone during foetal and neonatal life. Van der Schueren-Lodewe, et al.
Acta Paediatr Belg 26:241-53, 1972

Mediation of growth hormone-enhanced expression of the cartilage phenotype in vitro by the availability of the essential amino acid valine. Meier S, et al.
Dev Biol 30:290-306, Feb 73

Growth hormone and articular cartilage. Sledge CB.
Fed Proc 32:1503-5, Apr 73

Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al.
J Clin Invest 52:1108-12, May 73

The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. J Endocrinol 57:177-8, Apr 73

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. J Endocrinol 55:31-40, Oct 72

Responses in hypophysectomized rats implanted with plerocercoids of the tapeworm, Spirometra mansonoides. Ruegamer WR, et al.
Proc Soc Exp Biol Med 143:133-7, May 73

[Hyposomatotrophic dwarfism in a girl twin] Aubert L, et al.
Ann Endocrinol (Paris) 33:41-8, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Hormonal regulation of lipid metabolism. 19th symposium of the German Society of Endocrinology]
Dtsch Med Wochenschr 98:787-91, 13 Apr 73 (Ger)

[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)

[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

The influence of maternal human growth hormone secretion on the weight of the newborn infant. Parekh MC, et al. Am J Obstet Gynecol 115:197-201, 15 Jan 73

Influence of suckling on the bovine growth hormone levels in the blood of lactating cow. Reynaert R, et al.
Ann Endocrinol (Paris) 33:541-3, Sep-Oct 72 (Eng. Abstr.) (Fre)

Treatment of acromegaly. Alola JF, et al.
Arch Intern Med 131:509-15, Apr 73

Sleep and growth hormone. Gotlin RW.
Br Med J 1:744, 24 Mar 73

Effect of fenfluramine on human growth hormone release. Sulaiman WR, et al.
Br Med J 2:329-32, 12 May 73

Insulinopenic diabetes in Africa. Wicks AC, et al.
Br Med J 1:773-8, 31 Mar 73

Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73

Independence of pituitary tumor-mediated

suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. **Cancer Res** 33:843-8, Apr 73

The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. **J Endocrinol** 57:177-8, Apr 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mahry CC, et al. **J Pediatr** 82:625-33, Apr 73

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. **J Physiol (Lond)** 230:10P-12P, Apr 73

Differences in insulin, growth hormone and pancreatic enzyme secretion after intravenous and intraduodenal administration of mixed amino acids in man. Raptis S, et al. **N Engl J Med** 288:1199-202, 7 Jun 73

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology** 11:183-90, 1973

Congenital hypothalamic lesion leading to growth hormone deficiency and destruction of appetite satiety centre. Harris F, et al. **Proc R Soc Med** 66:217, Mar 73

The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al. **Proc Soc Exp Biol Med** 142:1097-100, Apr 73

Relationship between sleep and growth in patients with reversible somatotropin deficiency (psychosocial dwarfism). Wolff G, et al. **Psychol Med** 5:18-27, Feb 73

[Effect of ornithine hydrochloride on growth hormone (HGH) plasma levels] Gourmelen M, et al. **Ann Endocrinol (Paris)** 33:526-8, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Secretions of growth hormone and insulin in the newborn infant. Measurements of serum levels in basal conditions, after oral glucose load and after intravenous arginine perfusion] Ponte C, et al. **Arch Fr Pediatr** 29:801-21, Oct 72 (Eng. Abstr.) **(Fre)**

[Isolation of a cell clone secreting human somatotropic hormone in tissue culture] Hartemann P, et al. **C R Soc Biol (Paris)** 166:1053-9, 1972 **(Fre)**

[Partial growth hormone deficiency: endogenous growth hormone content and effect of exogenously administered human growth hormone] Butenandt O. **Klin Wochenschr** 51:266-71, 15 Mar 73 (Eng. Abstr.) **(Ger)**

[Light- and electron microscopic studies of pituitary adenomas in acromegaly with regard to their secretory activity] Saeger W. **Virchows Arch [Pathol Anat]** 358:343-54, 19 Feb 73 (Eng. Abstr.) **(Ger)**

[Growth hormone (GH)] Matsuzaki S. **Clin Endocrinol (Tokyo)** 21:129-35, Feb 73 (41 ref.) **(Jap)**

[Functional differentiation of anterior pituitary cells] Yoshimura F. **Clin Endocrinol (Tokyo)** 21:107-20, Feb 73 (69 ref.) **(Jap)**

[Effect of hemodialysis on growth hormone secretion following insulin stimulation in patients with acute renal failure] Kokot F, et al. **Pol Arch Med Wewn** 50:235-42, Mar 73 (Eng. Abstr.) **(Pol)**

[Endocrinology of pregnancy (review of the literature)] Manullova IA, et al. **Vopr Okhr Materin Det** 17:38-42, Nov 72 **(Rus)**

[Physiopathological correlations between growth hormone and carbohydrate metabolism] Marañón A, et al. **Rev Iber Endocrinol** 20:7-24, Jan-Feb 73 (Eng. Abstr.) **(Spa)**

STANDARDS

A summary of the biological activities of the various lots of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Reichert LE Jr, et al. **Endocrinology** 92:1301-4, May 73

SUPPLY & DISTRIBUTION

[Pituitary dwarfs] **S Afr Med J** 47:464, 17 Mar 73 **(Afr)**

THERAPEUTIC USE

Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al. **Acta Paediatr Scand** 62:304-6, May 73

Studies on growth hormone secretion in a patient with the diencephalic syndrome of emaciation. Häger A, et al. **Acta Paediatr Scand** 62:231-40, May 73

Diurnal variation in the responsiveness of human subjects to human growth hormone. Rudman D, et al. **J Clin Invest** 52:912-8, Apr 73

Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al. **J Clin Invest** 52:1108-12, May 73

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. **J Endocrinol** 56:235-43, Feb 73

Body composition changes in children receiving human growth hormone. Collipp PJ, et al. **Metabolism** 22:589-95, Apr 73

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. **Pediatrics** 51:668-74, Apr 73

[Pituitary dwarfs] **S Afr Med J** 47:464, 17 Mar 73 **(Afr)**

[Partial growth hormone deficiency: endogenous growth hormone content and effect of exogenously administered human growth hormone] Butenandt O. **Klin Wochenschr** 51:266-71, 15 Mar 73 (Eng. Abstr.) **(Ger)**

THYROTROPIN

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Rohyn C, et al. **Acta Endocrinol (Kbh)** 72:625-42, Apr 73

Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Schneider E, et al. **Chromosoma** 41:167-73, 1973

Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al. **Endocrinology** 92:1571-4, May 73

[Biological investigation in hyperthyroidism] Guinet P. **Cah Med** 13:1235-42, 30 Dec 72 **(Fre)**

[Chemistry of the "releasing" hormones. History and latest developments] Boler J. **Tidsskr Nor Laegeforen** 92:2154-60, 20 Nov 72 (Eng. Abstr.) **(Nor)**

ADMINISTRATION & DOSAGE

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. **Am J Vet Res** 34:535-8, Apr 73

Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al. **Biol Reprod** 8:299-305, Apr 73

Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. II. Observation under experimental conditions. Setoguti T. **Z Zellforsch Mikrosk Anat** 137:195-208, 12 Feb 73

[Effect of TSH on intrathyroid iodine content] Tkaczew AW, et al. **Endokrynol Pol** 24:11-9, Jan-Feb 73 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Mechanism of allergy to components of commercial bovine thyrotropin. Kirkpatrick CH, et al. **J Allergy Clin Immunol** 51:296-302, May 73

ANALYSIS

Effect of isoelectric focusing on the amino-acid composition of proteins. Jacobs S. **Analyst** 98:25-33, Jan 73

Human pituitary thyrotropin: isolation and chemical characterization of its subunits. Sairam MR, et al. **Biochem Biophys Res Commun** 51:336-42, 17 Mar 73

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. **J Clin Invest** 52:1099-107, May 73

Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. Tal E, et al. **J Endocrinol** 57:181-2, Apr 73

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.

Folia Endocrinol (Roma) 26:57-70, Feh 73 (Eng. Ahstr.) (Ita)

ANTAGONISTS & INHIBITORS

Ahnormal thyroxine metaholism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

BIOSYNTHESIS

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al. Acta Endocrinol (Kbh) 72:697-713, Apr 73

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al. Aust J Biol Sci 25:1249-57, Dec 72

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM. Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72

[Fetal thyroid system] Mizuno M, et al. Clin Endocrinol (Tokyo) 21:137-41, Feh 73 (27 ref.) (Jap)

[Cyci AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. Rev Iber Endocrinol 20:27-44, Jan-Feh 73 (Eng. Abstr.) (Spa)

BLOOD

Non-toxic goitre. Dyshormonogenesis. Angerbaek H. Acta Endocrinol (Kbh) 72:671-83, Apr 73

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. Aust NZ J Med 2:366-75, Nov 72

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. Biochem Biophys Res Commun 51:512-21, 2 Apr 73

Endocrine responses to anaesthetic agents. Oyama T. Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Grades of hypothyroidism. Evered DC, et al. Br Med J 1:657-62, 17 Mar 73

Regression of the Forhes-Alhright syndrome after pituitary apoplexy. McLaren EH, et al. Br Med J 2:214-5, 28 Apr 73

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM. Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72

The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin. Lyheck H, et al. Int J Neurosci 5:47, Jan 73

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. J Clin Invest 52:783-8, Apr 73

Thiocyanate ion in serum as an interfering factor in the in-vitro hioassay of thyrotrophin. Bourke JR, et al. J Endocrinol 57:1-6, Apr 73

Rat thyrotrophin levels during heat stress and stimulation hy thyrotrophin releasing factor. Tal E, et al. J Endocrinol 57:181-2, Apr 73

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tal E, et al. J Endocrinol 57:183-4, Apr 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mahry CC, et al. J Pediatr 82:625-33, Apr 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. J Pediatr 82:444-9, Mar 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. Mayo Clin Proc 48:273-5, Apr 73

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. Prostaglandins 3:89-95, Jan 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, suhtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. Trans Assoc Am Physicians 85:295-308, 1972

[Familial Basedow's disease in 3 generations] Gilhert-Dreyfus, et al. Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)

[Ectopic hormonal syndromes] Alheaux-Fernet M. Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Ahstr.) (Fre)

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al. Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Ahstr.) (Ger)

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al. Folia Endocrinol (Roma) 26:57-70, Feh 73 (Eng. Ahstr.) (Ita)

[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Ahstr.) (Nor)

DIAGNOSTIC USE

Functioning solitary nodule of the thyroid in a child. Rosenhloom AL. J Pediatr 82:491-3, Mar 73

ISOLATION & PURIFICATION

Human pituitary thyrotropin: isolation and chemical characterization of its suhunits. Sairam MR, et al. Biochem Biophys Res Commun 51:336-42, 17 Mar 73

METABOLISM

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

Transport capacity of median eminence. 3. Amino acid and thyroxine transport of organ-cultured median eminence. Silverman AJ, et al. Neuroendocrinology 11:107-18, 1973

Serum prolactin levels in humans from birth to adult life. Guyda HJ, et al. Pediatr Res 7:534-40, May 73

Ahnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhihition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Coleoni AH. Pharmacology 8:300-10, 1972

[Current studies on the role of lysosomes in the liheration of thyroid hormones] Vandenhroucke MF. Mem Acad R Med Belg 7:457-503, Dec 72 (Fre)

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al. Folia Endocrinol (Roma) 26:57-70, Feh 73 (Eng. Ahstr.) (Ita)

[Cyci AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. Rev Iber Endocrinol 20:27-44, Jan-Feh 73 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Ohservations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. Am J Vet Res 34:535-8, Apr 73

Alkaline rihonuclease inhihitor in rat thyroid. Greif RL, et al. Biochim Biophys Acta 286:350-9, 29 Dec 72

Grades of hypothyroidism. Fowler PB, et al. Br Med J 2:178, 21 Apr 73

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al. Endocrinology 92:1305-11, May 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al. Endocrinology 92:1349-53, May 73

Effects of thyroxine, thyrotropin, prolactin, and growth hormone on the maturation of the frog cerehellum. Gona AG. Exp Neurol 38:494-501, Mar 73

Activation of thyroid membrane adenylate cyclase hy purine nucleotides. Wolff J, et al. J Biol Chem 248:350-5, 10 Jan 73

Biochemical ohservations in functioning human thyroid adenomas. Larsen PR, et al. J Clin Endocrinol Metab 36:1009-18, May 73

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients hy measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al. J Clin Endocrinol Metab 36:859-66, May 73

Thiocyanate ion in serum as an interfering factor in the

in-vitro bioassay of thyrotrophin. Bourke JR, et al. **J Endocrinol 57:1-6, Apr 73**

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol 56:451-62, Mar 73**

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med 143:181-4, May 73**

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. **Prostaglandins 1:345-63, May 72**

In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. **Trans Assoc Am Physicians 85:309-16, 1972**

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians 85:295-308, 1972**

Mast cells in the mammalian area postrema. Cammermeyer J. **Z Anat Entwicklungsgesch 139:71-92, 1972**

Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. II. Observation under experimental conditions. Setoguti T. **Z Zellforsch Mikrosk Anat 137:195-208, 12 Feb 73**

[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al. **Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 (Eng. Abstr.) (Fre)**

[Effect of TSH on intrathyroid iodine content] Tkaczew AW, et al. **Endokrynol Pol 24:11-9, Jan-Feb 73 (Eng. Abstr.) (Pol)**

PHYSIOLOGY

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Kariberg BE, et al. **Acta Endocrinol (Kbh) 72:697-713, Apr 73**

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al. **Biochem Biophys Res Commun 51:34-9, 5 Mar 73**

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al. **FEBS Lett 30:253-60, 15 Mar 73**

Observations on the thyroid gland in rats following the administration of sulfamethoxazole and trimethoprim. Swarm RL, et al. **Toxicol Appl Pharmacol 24:351-63, Mar 73**

[Fetal thyroid system] Mizuno M, et al. **Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)**

[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. **Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Pituitary function in the fetus] Velle W. **Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Acute crisis in endocrine system diseases] Pacyński A. **Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)**

SECRETION

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. **Biochem Biophys Res Commun 51:512-21, 2 Apr 73**

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al. **Endokrinologie 61:132-9, 1973**

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM. **Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72**

The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin. Lybeck H, et al. **Int J Neurosci 5:47, Jan 73**

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. **J Clin Invest 52:1099-107, May 73**

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tal E, et al. **J Endocrinol 57:183-4, Apr 73**

Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity. Alexander DP, et al. **J Physiol (Lond) 230:10P-12P, Apr 73**

The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al. **Proc Soc Exp Biol Med 142:1097-100, Apr 73**

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Del Conte E. **Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)**

[Fetal thyroid system] Mizuno M, et al. **Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)**

[Functional differentiation of anterior pituitary cells] Yoshimura F. **Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)**

[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. **Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Cyci AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. **Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)**

STANDARDS

A summary of the biological activities of the various lots of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Reichert LE Jr, et al. **Endocrinology 92:1301-4, May 73**

THERAPEUTIC USE

Mechanism of allergy to components of commercial bovine thyrotropin. Kirkpatrick CH, et al. **J Allergy Clin Immunol 51:296-302, May 73**

Management of uncontrolled thyroid carcinoma. Sahatini DE. **Med Ann DC 42:125-8, Mar 73**

VASOPRESSIN

Monitoring serum gold values to improve chrysotherapy in rheumatoid arthritis. Lorher A, et al. **Ann Rheum Dis 32:133-9, Mar 73**

Selectivity in aqueous peptide synthesis by 1 -ethyl-3-(3- Dimethylaminopropyl) carbodiimide. A model for primordial processes. Addy ME, et al. **Biochim Biophys Acta 295:385-95, 21 Feb 73**

Bilayer lipid membrane as a model for vasopressin, prostaglandin and Ca 2+ effects on water permeability. Graziani Y, et al. **Biochim Biophys Acta 291:612-20, 16 Feb 73**

Ultrastructural modifications of frog urinary bladder epithelium under the influence of hypertonic media. Ripoche P, et al. **Z Zellforsch Mikrosk Anat 137:13-9, 9 Feb 73**

ADMINISTRATION & DOSAGE

Treatment of diabetes insipidus in children with DDAVP, a synthetic analogue of vasopressin. Aronson AS, et al. **Acta Paediatr Scand 62:133-40, Mar 73**

Angiography in the diagnosis and management of bleeding stress ulcers and gastritis. Athanasoulis CA, et al. **Am J Surg 125:468-73, Apr 73**

Drug-induced pulmonary disease. Lippmann M, et al. **Ann Intern Med 78:616-7, Apr 73**

The influence of lysine-8-vasopressin, oxytocin, and adrenaline on vascular smooth muscle in the human finger. Gaskell P. **Can J Physiol Pharmacol 51:284-90, Apr 73**

Treatment of bleeding oesophageal varices by infusion of vasopressin into the superior mesenteric artery. Murray-Lyon IM, et al. **Gut 14:59-63, Jan 73**

Vasopressin and milk secretion: lack of effect of low doses. Peaker M, et al. **J Endocrinol 57:87-95, Apr 73**

Left gastric artery embolization for control of gastric bleeding: a complication. Prochaska JM, et al. **Radiology 107:521-2, Jun 73**

ADVERSE EFFECTS

Drug-induced pulmonary disease. Lippmann M, et al. **Ann Intern Med 78:616-7, Apr 73**

POR 8 versus adrenaline as a vasoconstrictor in scalp surgery. Pirotta T. **Aust NZ J Surg 42:82-4, Aug 72**

Adverse effects of vasopressin averted by

isoproterenol. Skivolocki WP, et al.
Rev Surg 30:123-4, May-Jun 73

ANALYSIS

The distribution of vasopressin and neurophysin in the hypothalamo-distal-neurohypophysial and hypothalamo-infundibular neurosecretory systems of normal and scrapie-affected sheep. Livett BG, et al.
J Physiol (Lond) 230:20P-22P, Apr 73

An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH. Rivier C, et al.
Proc Soc Exp Biol Med 142:842-5, Mar 73

ANTAGONISTS & INHIBITORS

Lithium-induced ADH resistance in toad urinary bladders. Singer I, et al. Kidney Int 3:151-9, Mar 73

Adverse effects of vasopressin averted by isoproterenol. Skivolocki WP, et al.
Rev Surg 30:123-4, May-Jun 73

BLOOD

The effect of maternal hypoxia on fetal pituitary hormone release in the sheep. Alexander DP, et al.
Biol Neonate 21:219-28, 1972

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Plasma ADH level and body water balance in dogs after a moderate haemorrhage. Szczepańska-Sadowska E.
Bull Acad Pol Sci [Biol] 21:89-92, 1973

Reflex diuresis during tachycardia in the dog. Evaluation of the role of atrial and sinoaortic receptors. Goetz KL, et al. Circ Res 32:434-41, Apr 73

Basal forebrain heating and ADH release in dogs. Szczepánska-Sadowska E.
Experientia 29:223-4, 15 Feb 73

Peripheral plasma levels of oxytocin and vasopressin in the mare during parturition. Allen WE, et al.
J Endocrinol 57:175-6, Apr 73

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73

The effects of cardiac denervation on body fluids. Mulcahy JJ, et al.
Proc Soc Exp Biol Med 143:265-9, May 73

Role of ADH in the loss of renal concentrating ability in primate hemorrhagic shock. Selkurt EE.
Proc Soc Exp Biol Med 142:1310-5, Apr 73

[Routine search for inappropriate secretion of antidiuretic hormone in primary bronchial cancers] Barjon P, et al.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Eng. Abstr.) (Fre)

[Antidiuretic and saluretic activity of jugular vein blood in the anesthetized rat during bilateral occlusion of the common carotid artery] Aziz O.
Res Exp Med (Berl) 160:136-51, 1973 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Assessment of renal function in surgical patients by urine osmolality concentration tests. Crandell WB, et al. Am J Surg 125:508-14, Apr 73

[Steroid diagnosis of adrenal cortex disorders. 3. Stress-tests and circadian rhythm of steroids] Kreze A. Bratisl Lek Listy 59:357-68, 1973 (Slo)

METABOLISM

The clinical laboratory in the investigation of patients with head injury. Parent AD, et al.
South Med J 66:579-85, May 73

[Investigations of antidiuretic activity in liver cirrhosis] Krogsgaard AR, et al.
Ugeskr Laeger 135:580-5, 12 Mar 73 (Eng. Abstr.) (Dan)

[Sodium loss of probable central origin after cranio-cerebral bullet injury] Lefebvre J, et al.
Ann Endocrinol (Paris) 33:73-82, Jan-Feb 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Treatment of diabetes insipidus in children with DDAVP, a synthetic analogue of vasopressin. Aronson AS, et al. Acta Paediatr Scand 62:133-40, Mar 73

Hydrosmotic effect of angiotensin II: isolated toad bladder. Coviello A.
Acta Physiol Lat Am 22:218-26, 1972

Control of vasopressin stimulation of sodium transport in the toad bladder. Finn AL, et al.
Am J Physiol 224:1018-23, May 73

Angiotensin, vasopressin, and cyclic AMP: effects on sodium and water fluxes in rat colon. Hornych A, et al.
Am J Physiol 224:1223-9, May 73

Mechanism of action of antiotensin II and antidiuretic hormone on renin secretion. Shade RE, et al.
Am J Physiol 224:926-9, Apr 73

Escape from drug-induced constriction of isolated arterial segments from various vascular beds. Fara JW, et al. Angiologica 9:27-33, 1972

The influence of lysine-8-vasopressin, oxytocin, and adrenaline on vascular smooth muscle in the human finger. Gaskell P.
Can J Physiol Pharmacol 51:284-90, Apr 73

Renal function in saline-loaded dogs with minimal sodium excretion. Levy M, et al.
Can J Physiol Pharmacol 51:148-52, Feb 73

Effect of hypophysectomy on serum dopamine-beta-hydroxylase activity in rat. Lamprecht F, et al. Endocrinology 92:1543-6, May 73

Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al.
Endocrinology 92:692-7, Mar 73

Crystalloid inclusions in mitochondria of renal tubules. Sun CN, et al. Exp Pathol (Jena) 7:166-71, 1972

Oxytocin receptor in frog bladder epithelial cells. Relationship of (3 H)oxytocin binding to adenylate cyclase activation. Roy C, et al.
FEBS Lett 30:329-34, 15 Mar 73

Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al.
Fertil Steril 24:275-83, Apr 73

Paradoxical quantitative electroencephalographic changes in rats stressed osmotically. Nevis AH, et al.
Int J Neurosci 5:75-80, Feb 73

A quantitative assay of the abnormal electroencephalogram and the effects of anti-diuretic hormone in rats. Thursby MH, et al.
Int J Neurosci 5:67-74, Feb 73

Vasopressin-responsive, soluble adenylate cyclase from the rat renal medulla. Neer EJ.
J Biol Chem 248:3742-4, 25 May 73

Effect of phloretin on water and solute movement in the toad bladder. Levine S, et al.
J Clin Invest 52:1435-42, Jun 73

Vasopressin and milk secretion: lack of effect of low doses. Peaker M, et al. J Endocrinol 57:87-95, Apr 73

Effects of vasopressin on sweat rate and composition in patients with diabetes insipidus and normal controls. Taussig LM, et al. J Invest Dermatol 60:197-202, Apr 73

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73

Antidiuretic response to cyclophosphamide in man. Steele TH, et al.
J Pharmacol Exp Ther 185:245-53, May 73

Calcium release and vasopressin action in toad bladder. Cuthbert AW, et al.
J Physiol (Lond) 230:61P-62P, Apr 73

Salt adaptation in Bufo bufo. Ferreira HG, et al.
J Physiol (Lond) 228:583-600, Feb 73

Vasopressin-related alterations of sodium reabsorption in the loop of Henle. Antoniou LD, et al.
Kidney Int 3:6-13, Jan 73

Effects of chronic protein-calorie malnutrition on the kidney. Klahr S, et al.
Kidney Int 3:129-41, Mar 73 (79 ref.)

Effect of furosemide on free water excretion in edematous patients with hyponatremia. Schrier RW, et al. Kidney Int 3:30-4, Jan 73

Effect of lysine vasopressin and ACTH 4-10 on conditioned avoidance behavior of hypophysectomized rats. Bohus B, et al.
Neuroendocrinology 11:137-43, 1973

The effect of a diuretic and antidiuretic on tooth eruption. Litvin PE, et al. Oral Surg 35:294-8, Feb 73

Significance of amino acid residues in position 8 of vasopressin on contraction in rat blood vessels. Altura BM. Proc Soc Exp Biol Med 142:1104-10, Apr 73

An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH. Rivier C, et al.
Proc Soc Exp Biol Med 142:842-5, Mar 73

Role of ADH in the loss of renal concentrating ability in

primate hemorrhagic shock. Selkurt EE.
Proc Soc Exp Biol Med 142:1310-5, Apr 73

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

[Experimental contribution to the study of the pharmacological physiopathology of the hydrochloric-peptic secretion of the stomach] Sánchez de la Cuesta y d.
Rev Esp Enferm Apar Dig Suppl:1-80, Jan 73 (Spa)

PHYSIOLOGY

Evidence for a role of antidiuretic hormone (ADH) in the antidiuretic action of chlorpropamide. Liberman B, et al. **J Clin Endocrinol Metab** 36:894-900, May 73

[Urine concentration during the oliguanuric phase of acute kidney failure] Lange H, et al.
Klin Wochenschr 51:333-8, 1 Apr 73 (Eng. Abstr.) (Ger)

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

[The neurobypophyseal hormones, physiology and pathophysiology] Haugen HN.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Eng. Abstr.) (Nor)

[2 cases of Parhon's disease] Savina PN.
Probl Endokrinol (Mosk) 19:52-3, Jan-Feb 73 (Rus)

SECRETION

Inappropriate antidiuretic hormone in Hodgkin's disease. Cassiletb PA, et al.
Am J Med Sci 265:233-5, Mar 73

Hypernatremic state in hypermetabolic burn patients. Warden GD, et al. **Arch Surg** 106:420-7, Apr 73

Reflex diuresis during tachycardia in the dog. Evaluation of the role of atrial and sinoaortic receptors. Goetz KL, et al. **Circ Res** 32:434-41, Apr 73

Cerebral and pontine myelinolysis. Two cases with fluid and electrolyte imbalance and hypotension. Finlayson MH, et al. **J Neurol Sci** 18:399-409, Apr 73

Clofibrate treatment of idiopatbic diabetes insipidus. Hamuth Y, et al. **JAMA** 224:1041-2, 14 May 73

On the importance of CSF Na + concentration in central control of fluid balance. Olsson K.
Life Sci [I] 11:397-402, 15 Apr 72

A new hypotbalamic patbway to the median eminence containing neurophysin and its bypertropby in sbeep with natural scrapie. Parry HB, et al.
Nature 242:63-5, 2 Mar 73

ADH release from cut pituitary stalk and intact pituitary gland during bippocampal stimulation of various frequencies in rats. Tomas T, et al.
Neuroendocrinology 11:257-67, 1973

Some factors controlling tbe secretion of antidiuretic hormone and renin. Malvin RL.
Rev Invest Clin 24:317-28, Oct-Dec 72

Effects of a week of ACTH or corticosteroid treatment on the diuretic response to water intake. A probably neuropostpituitary response to corticosteroid load. Bernard-Weil E. **Steroids Lipids Res** 3:24-9, 1972

[Ectopic bormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)

[Routine searcb for inappropriate secretion of antidiuretic hormone in primary bronchial cancers] Barjon P, et al.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Eng. Abstr.) (Fre)

[Atypical case of diabetes insipidus neurohormonalis combined witb gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

[Nephrotic syndrome] Gradowska L.
Pol Arch Med Wewn 50:170-9, Feb 73 (Pol)

[Paraneoplastic syndromes during bronchopulmonary carcinoma (comprehensive review)] Potokar T.
Plucne Bolesti Tuberk 24:244-9, Jul-Sep 72 (16 ref.) (Cro)

THERAPEUTIC USE

Treatment of diabetes insipidus in children with DDAVP, a synthetic analogue of vasopressin. Aronson AS, et al. **Acta Paediatr Scand** 62:133-40, Mar 73

Human growtb bormone therapy in bypopituitarism due to tuberculous meningitis. Bartsocas CS, et al.
Acta Paediatr Scand 62:304-6, May 73

Angiography in the diagnosis and management of bleeding stress ulcers and gastritis. Athanasoulis CA, et al. **Am J Surg** 125:468-73, Apr 73

Drug-induced pulmonary disease. Lippmann M, et al.
Ann Intern Med 78:616-7, Apr 73

Hypernatremic state in hypermetabolic burn patients. Warden GD, et al. **Arch Surg** 106:420-7, Apr 73

POR 8 versus adrenaline as a vasoconstrictor in scalp surgery. Pirotta T. **Aust NZ J Surg** 42:82-4, Aug 72

Treatment of bleeding oesophageal varices by infusion of vasopressin into the superior mesenteric artery. Murray-Lyon IM, et al. **Gut** 14:59-63, Jan 73

Left gastric artery embolization for control of gastric bleeding: a complication. Procbaska JM, et al.
Radiology 107:521-2, Jun 73

Endocrinopatbies and uric acid metabolis. Newcombe DS. **Semin Arthritis Rheum** 2 281-300, 1972-73 (54 ref.)

[Hemostasis in bronchoscopic procedures using tbe new vasoconstrictor agent ornithine-8-vasopressin] Wieser O, et al.
Wien Med Wochenschr 123:231-2, 7 Apr 73 (Ger)

[Diabetes insipidus and pregnancy] Vangen O.
Tidsskr Nor Laegeforen 92:2094-5, 10 Nov 72 (Eng. Abstr.) (Nor)

[Radiographic diagnosis and tberapy of digestive tract hemorrbage] Katuranić D.
Lijec Vjesn 95:148-9, 1973 (Cro)

URINE

Inappropriate antidiuretic bormone. Gilbert RD.
Ann Intern Med 78:462, Mar 73

Diuretic action of tbree sulfonylurea drugs. Moses AM, et al. **Ann Intern Med** 78:541-4, Apr 73

[Routine searcb for inappropriate secretion of antidiuretic hormone in primary bronchial cancers] Barjon P, et al.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Eng. Abstr.) (Fre)

[Hormonal influences on water-electrolyte metabolism in viral bepatitis] Bunin KV, et al.
Klin Med (Mosk) 50:37-40, Dec 72 (Rus)

VASOTOCIN

CEREBROSPINAL FLUID

Arginine vasotocin-like activity of cerebrospinal fluid in diabetes insipidus. Coculescu M, et al.
J Clin Endocrinol Metab 36:1031-2, May 73

CHEMICAL SYNTHESIS

Syntbesis of (4-leucine)-arginine-vasotocin, a natriuretic analogue of arginine-vasotocin. Gillessen D, et al. **Experientia** 29:170-1, 15 Feb 73

PHARMACODYNAMICS

Tbe natriuretic action of (4-leucine)-arginine-vasotocin. Cort JH, et al.
Experientia 29:173-5, 15 Feb 73

Syntbesis of (4-leucine)-arginine-vasotocin, a natriuretic analogue of arginine-vasotocin. Gillessen D, et al. **Experientia** 29:170-1, 15 Feb 73

Some pbarmacological properties of (4-leucine)-arginine-vasotocin. Pliška V, et al.
Experientia 29:171-3, 15 Feb 73

Osmoregulation in the aquatic urodeles Amphiuma means (tbe Congo eel) and Siren lacertina (tbe mud eel). Effects of vasotocin. Bentley PJ.
Gen Comp Endocrinol 20:386-91, Apr 73

Direct measurement of sodium uptake by toad bladder mucosal cells. Ferguson DR, et al.
J Endocrinol 55:195-201, Oct 72

IV. Related Topics

* CYCLOFENIL

THERAPEUTIC USE

Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973

HYPOPHYSECTOMY

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al.
Acta Endocrinol (Kbh) 72:643-53, Apr 73

Diabetic angiopathy and neuropathy. A review with special reference to circulation in the extremities, the effect of hypophysectomy on capillary resistance and capillary permeability, functional abnormalities in early diabetes. Christensen NJ.
Acta Med Scand [Suppl] 541:3-60, 1972 (244 ref.)

Red cell volume and body composition of 1-triiodothyronine-injected hypophysectomized rats. Bozzini CE, et al. **Acta Physiol Lat Am** 22:206-11, 1972

Unusual mitochondrial morphology in the rat adrenal cortex following hypophysectomy. Sharawy M, et al.
Am J Anat 136:395-401, Mar 73

Hypophysectomy for diabetic retinopathy. Stowe SM.
Am J Nurs 73:632-7, Apr 73

Influence of hypophysectomy and training on size of isolated fat cells. Palmer WK, et al.
Am J Physiol 224:1206-9, May 73

Treatment of acromegaly. Aloia JF, et al.
Arch Intern Med 131:509-15, Apr 73

The effect of hypophysectomy and subsequent replacement therapy with sheep prolactin or bovine growth hormone on the lactose synthetase activity of rabbit mammary gland. Jones EA, et al.
Biochem J 130:997-1002, Dec 72

Pain in the back and lower extremities. Krieger AJ, et al. **Curr Probl Surg** 32-43, Feb 73

Effect of pancreatectomy, with and without hypophysectomy, and of insulin treatment on the composition of canine aorta. Brosnan ME, et al.
Diabetes 22:397-402, May 73

Treatment for diabetic retinopathy.
Drug Ther Bull 10:85-7, 27 Oct 72

Effect of hypophysectomy on serum dopamine-beta-hydroxylase activity in rat. Lamprecht F, et al. **Endocrinology** 92:1543-6, May 73

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. **Endokrinologie** 61:97-100, 1973

Growth hormone and articular cartilage. Sledge CB.
Fed Proc 32:1503-5, Apr 73

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. **J Endocrinol** 57:63-744, Apr 73

Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study. Nussdorfer GC, et al.
Lab Invest 28:332-42, Mar 73

Pituitary inhibition of pregnancy. Hearn JP.
Nature 241:207-8, 19 Jan 73

Cancer pain. Murphy TM.
Postgrad Med 53:187-94, May 73

Levodopa test to predict response of carcinoma of the breast to surgical ablation of endocrine glands. Minton JP, et al. **Surg Gynecol Obstet** 136:971-4, Jun 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972

[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Value of transphenoidal hypophysectomy in the treatment of Cushing's disease] Marriq P, et al.
Mars Med 109:789-95, 1972 (Fre)

[Growth hormone and diabetic microangiopathy] Passa P. **Sem Hop Paris** 48:3329-32, 8 Dec 72 (Fre)

[Therapy of acromegaly] Heesen D, et al.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)

[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

[The pituitary gland and diabetes] Jervell J.
Tidsskr Nor Laegeforen 92:2189-91, 20 Nov 72 (Eng. Abstr.) (Nor)

[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk)** 50:16-21, Aug 72 (Rus)

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

[Coagulation stereohypophysectomy] Nádnorník P, et al.
Bratisl Lek Listy 59:455-8, Apr 73 (Eng. Abstr.) (Slo)

LACTATION

The postnatal smear. Butler EB, et al.
Acta Cytol (Baltimore) 17:237-40, May-Jun 73

Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat. Ben-David M, et al.
Acta Endocrinol (Kbh) 72:654-62, Apr 73

Tetracycline effect on calcification of the molars of rat offspring. Thomas JP, et al.
Ala J Med Sci 10:89-97, Jan 73

Breast feeding in modern times. Brown RE.
Am J Clin Nutr 26:556-62, May 73

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al.
Am J Vet Res 34:353-6, Mar 73

Passage of polymyxins from serum into milk in ewes. Ziv G, et al. **Am J Vet Res** 34:317-22, Mar 73

Serum and milk concentrations of spectinomycin and tylosin in cows and ewes. Ziv G, et al.
Am J Vet Res 34:329-33, Mar 73

Footholds for survival. Thiessen DD.
Am Sci 61:346-51, May-Jun 73

Influence of suckling on the bovine growth hormone levels in the blood of lactating cow. Reynaert R, et al.
Ann Endocrinol (Paris) 33:541-3, Sep-Oct 72 (Eng. Abstr.) (Fre)

Relationships between milk and milk fat composition and trans-lactation changes in mammary gland enzyme activities in grazing cattle. Currie WB.
Aust J Biol Sci 25:1341-9, Dec 72

Trans-lactation changes in the activities of selected enzymes in biopsy samples of the bovine mammary gland. Currie WB. **Aust J Biol Sci** 25:1333-40, Dec 72

Hormonal factors influencing salt appetite in lactation. Shulkes AA, et al.
Aust J Exp Biol Med Sci 50:819-26, Dec 72

Dairy herd wastage in South Eastern Queensland. Amiel DK, et al. **Aust Vet J** 49:69-73, Feb 73

Mechanisms of immunity to intestinal helminths. Kelly JD. **Aust Vet J** 49:91-7, Feb 73 (95 ref.)

Ketosis in pregnant sheep and lactating cows. A review. Kronfeld DS. **Aust Vet J** 48:680-7, Dec 72 (29 ref.)

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al.
Biochem Biophys Res Commun 51:512-21, 2 Apr 73

Measurements of substrate uptake by mammary gland of the rat. Hawkins RA, et al.
Biochem J 129:1171-3, Oct 72

* CYCLOFENIL continued on page 44.

Effects of magnesium deficiency on reproduction in the white rat. Andrieux-Domont C, et al. Br J Nutr 29:203-10, Mar 73

The effects of pregnancy and lactation on some mechanical properties of the femora of the rat. Currey JD, et al. Calcif Tissue Res 11:112-23, 19 Feb 73

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)

Factors promoting intestinal hyperplasia in lactating rats. Elias E, et al. Clin Sci 44:19P, Apr 73

Metabolic clearance rates and secretion rates of prolactin in sheep. Davis SL, et al. Endocrinology 92:1414-8, May 73

Serum prolactin during various physiological states and its relationship to milk production in the bovine. Koprowski JA, et al. Endocrinology 92:1480-7, May 73

Adaptive changes in satellite systems related to lipogenesis in rat and sheep mammary gland and in adipose tissue. Gumaa KA, et al. Eur J Biochem 34:188-98, 2 Apr 73

Effects of two levels of gestational-lactational undernutrition on the postweaning growth of the rat cerebellum. Barnes D, et al. Exp Neurol 38:420-8, Mar 73

Effects of different schedules of early undernutrition on the preweaning growth of the rat cerebellum. Branes D, et al. Exp Neurol 38:406-19, Mar 73

Effect of chlormadinone on the composition of human milk. Sammour MB, et al. Fertil Steril 24:301-4, Apr 73

Effects of ammoniation on aflatoxins in rations fed lactating cows. McKinney JD, et al. J Am Oil Chem Soc 50:79-84, Mar 73

Fatty acid synthetase of developing brain and liver. Content, synthesis, and degradation during development. Volpe JJ, et al. J Biol Chem 248:2502-13, 10 Apr 73

Metabolite levels and enzyme activities in the bovine mammary gland at different stages of lactation. I. Metabolite levels related to energy production. Waldschmidt M. J Dairy Res 40:7-15, Feb 73

Effects of age, pregnancy, and lactation on rat, guinea pig, and cow adipose enzyme activities and cow adipose metabolism. Baldwin RL, et al. J Dairy Sci 56:340-9, Mar 73

Effects of prepartum energy intake and calcium to phosphorus ratios on lactation response and parturient paresis. Gardner RW, et al. J Dairy Sci 56:385-9, Mar 73

Hormonal control of precursor pools, ribonucleic acid synthesis, and cellular morphology in mammary tissue pieces during lactogenesis. Mohrenweiser HW, et al. J Dairy Sci 56:436-45, Apr 73

Factors affecting endogenous plasma oxytocic activity in lactating Holstein cows. Randy HA Jr, et al. J Dairy Sci 56:446-50, Apr 73

Tissue culture method for bovine mammary tissue: lactose synthesis. Richmond PA, et al. J Dairy Sci 56:611-4, May 73

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. J Dairy Sci 56:569-74, May 73

Effect of roughage restriction on serum insulin in the dairy cow. Walker CK, et al. J Dairy Sci 56:375-7, Mar 73

Characterization of bovine serum lipoproteins. Wendlandt RM, et al. J Dairy Sci 56:337-9, Mar 73

Lipolysis in isolated cow adipose cells. Yang YT, et al. J Dairy Sci 56:366-74, Mar 73

The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72

Ndation induced in mice during the lactational delay by the presence of strange males. Bloch S. J Endocrinol 57:185-6, Apr 73

The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. J Endocrinol 57:97-110, Apr 73

Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73

Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking. Hart IC. J Endocrinol 57:179-80, Apr 73

The release of growth hormone in response to milking in the goat during early and late lactation. Hart IC, et al. J Endocrinol 57:177-8, Apr 73

Changes in the protein phosphorus content of rat mammary tissue during lactogenesis. Kuhn NJ. J Endocrinol 55:219-20, Oct 72

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. J Endocrinol 57:63-744, Apr 73

Etiology of human breast cancer: a review. MacMahon B, et al. J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)

Effect of undernutrition on cell formation in the rat brain. Patel AJ, et al. J Neurochem 20:1151-65, Apr 73

Body composition and fat depot weights of rats as influenced by ration fed dams during lactation and that fed rats after weaning. Schemmel R, et al. J Nutr 103:477-87, Apr 73

The excretion of orally ingested nitrofurantoin in human milk. Varsano I, et al. J Pediatr 82:886-7, May 73

Changes in mammary gland permeability at the onset of lactation in the goat: an effect on tight junctions? Linzell JL, et al. J Physiol (Lond) 230:13P-14P, Apr 73

Influence of season of lambing on postpartum intervals to ovulation and oestrus in lactating and dry ewes at different nutritional levels. Hunter GL, et al. J Reprod Fertil 32:1-8, Jan 73

Persistence of maternal antibody and its effect on the antibody production in young mice. Kiuchi Y, et al. Jap J Exp Med 42:553-61, Dec 72

Relationship of the vaginal smear to ovarian follicles and the uterus in postpartum Mongolian gerbils. Meckley PE, et al. Lab Anim Sci 23:221-5, Apr 73

Intestinal absorption of calcium. Wills MR. Lancet 1:820-2, 14 Apr 73

Pituitary inhibition of pregnancy. Hearn JP. Nature 241:207-8, 19 Jan 73

Phospholipid incorporation into plasma membrane of lactating mammary cell with special reference to sphingomyelin. Patton S, et al. Nature [New Biol] 241:241-2, 21 Feb 73

Maintenance of lactational diestrum in the postpartum rat through tactile stimulation in the absence of suckling. Zarrow MX, et al. Neuroendocrinology 11:150-5, 1973

Feeding the baby of low birth weight. Nutr Rev 31:14-5, Jan 73 (9 ref.)

Effects of septal lesions on maternal behavior and lactation in the rabbit. Cruz ML, et al. Physiol Behav 9:361-5, Sep 72

Endocrine control of the maternal pheromone in the postpartum female rat. Leon M, et al. Physiol Behav 10:65-7, Jan 73

Stimulus control of the maternal pheromone in the lactating rat. Moltz H, et al. Physiol Behav 10:69-71, Jan 73

Effects of maternal dietary restriction on hydroxyproline levels in urine and tissues of the young. Hsu JM. Proc Soc Exp Biol Med 143:171-5, May 73

Bovine serum LH, GH, and prolactin during late pregnancy, parturition and early lactation. Ingalls WG, et al. Proc Soc Exp Biol Med 143:161-4, May 73

Pyruvate dehydrogenase, the citrate condensing enzyme and the utilization of 14 C-labeled lactate, pyruvate and alanine by slices of lactating mammary gland and adenocarcinoma of mouse mammary gland. Kopelovich L. Proc Soc Exp Biol Med 142:954-62, Mar 73

The utilization of 14 C-labeled lactate, pyruvate and alanine by prelactating tissues and hyperplastic alveolar nodule outgrowths. Kopelovich L. Proc Soc Exp Biol Med 142:963-7, Mar 73

Suppression of proestrous and suckling-induced increase in serum prolactin by hypothalamic implant of prolactin. Voogt JL, et al. Proc Soc Exp Biol Med 142:1056-8, Apr 73

Molasses as an energy source for cattle. Preston TR. World Rev Nutr Diet 17:250-311, 1973 (112 ref.)

[The glycocalyx during apocrine secretion of the lactating rat mammary gland] Helmke U, et al. Anat Anz 132:371-5, 1972 (Eng. Abstr.) (Ger)

[Judgment of the ketosis status of lactating cows from the concentration of keto bodies in the blood and acetone in the milk] Steger H, et al. Arch Tierernaehr 22:157-62, Apr 72 (Eng. Abstr.) (Ger)

[Effect of propylene glycol and methionine on the concentration of blood sugar and ketone bodies in freshly slaughtered, highly productive cows] Steger H, et al. Arch Tierernaehr 22:217-21, Jun 72 (Eng. Abstr.) (Ger)

[Studies in lactating ruminants using labeled urea. 1. Excretion by goats of 15N from urea via milk, feces and urine] Thelemann W, et al.
Arch Tierernaehr 22:205-16, Jun 72 (Eng. Abstr.) (Ger)

[New knowledge regarding the metabolism of organic compounds in cattle during the transition from pregnancy to lactation] Kolb E.
Monatsh Vet Med 28:109-15, 1 Feb 73 (23 ref.) (Eng. Abstr.) (Ger)

[Content of calcium, anorganic phosphate, and magnesium in the blood serum of ewes] Lippmann R, et al.
Monatsh Vet Med 28:106-9, 1 Feb 73 (Eng. Abstr.) (Ger)

[Neuraminic acid content of milk] Leskova R, et al.
Wien Tieraerztl Monatsschr 60:60-2, Feb-Mar 73 (Eng. Abstr.) (Ger)

[Infant nutrition, education and public information of Costa Rica] Zaitman G, et al.
Bol Of Sanit Panam 74:242-9, Mar 73 (Eng. Abstr.) (Spa)

[The formation of citric acid and ketone bodies in lactating cows of differing productivity] Radionov NT, et al.
Ukr Biokhim Zh 45:91-4, 1973 (Eng. Abstr.) (Ukr)

DRUG EFFECTS

Breast feeding in modern times. Brown RE.
Am J Clin Nutr 26:556-62, May 73

Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Sud SC. **Indian J Exp Biol 10:265-7, Jul 72**

Effect of alloxan diabetes on the lactational performance in rats. Sud SC.
Indian J Exp Biol 10:389-90, Sep 72

Effect of thyrotropin releasing hormone on yield and composition of bovine milk. Convey EM, et al.
J Dairy Sci 56:484-6, Apr 73

Effect of growth hormone on milk production and feed utilization in dairy cows. Machlin LJ.
J Dairy Sci 56:575-80, May 73

Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. **J Endocrinol 56:219-25, Feb 73**

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. **J Endocrinol 55:31-40, Oct 72**

Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73

Influence of exogenously administered oxytocin on prolactin release in the lactating rat. Kühn ER, et al.
Neuroendocrinology 11:11-21, 1973

[Effect of estrogens and hypophyseal gonadotropins on milk] Kästli P.
Wien Tieraerztl Monatsschr 60:43-6, Feb-Mar 73 (Eng. Abstr.) (Ger)

[The neurohypophyseal hormones, physiology and pathophysiology] Haugen HN.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Eng. Abstr.) (Nor)

[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SOMATOMEDIN

BIOSYNTHESIS

Growth hormone and articular cartilage. Siedge CB.
Fed Proc 32:1503-5, Apr 73

[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

BLOOD

Studies on growth hormone secretion in a patient with the diencephalic syndrome of emaciation. Häger A, et al. **Acta Paediatr Scand 62:231-40, May 73**

Growth hormone and articular cartilage. Siedge CB.
Fed Proc 32:1503-5, Apr 73

[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Differentiation on the basis of glucose requirements between the effects of somatomedin on protein synthesis and sulphate incorporation in embryonic chick cartilage. Perington AC, et al.
Biochim Biophys Acta 286:164-74, 24 Nov 72

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Teil GP, et al. **Science 180:312-5, 20 Apr 73**

[Current views on somatomedin (sulfation factor)] Cianfriglia F.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Eng. Abstr.) (Ita)

CYCLOFENIL continued

(Experimental study on ovulation induction by cyclofenil (sexovid, F6066), with special reference to its effect on the ovary) Tojyo S, et al.
Clin Endocrinol (Tokyo) 21: 193-201, Feb 73 (Jap)

THYROID

1. Physical and Functional Aspects

THYROID GLAND

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al. **Endocrinology 92:1376-81, May 73**

Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Wood LC, et al. **Endocrinology 92:1538-43, May 73**

Redistribution of surface antigens--a general property of animal cells? Sundqvist KG. **Nature [New Biol] 239:147-9, 4 Oct 72**

[Comparison of function and morphology of the thyroid gland of the budgerigar (Melopsittacus undulatus)] Robiller F, et al. **Anat Anz 132:401-9, 1972 (Ger)**

[Effect of microwaves on the morphology and function of the thyroid gland] Barański S, et al. **Acta Physiol Pol 23:997-1009, Nov-Dec 72 (Eng. Abstr.) (Pol)**

ABNORMALITIES

Thyroid and parathyroid glands in the vaginal wall: report of a case. Kurman RJ, et al. **Am J Clin Pathol 59:503-7, Apr 73**

Surgical management of lingual thyroid. Case report. Orozco H, et al. **Helv Paediatr Acta 28:47-50, Mar 73**

Hemiaplasia and foetal adenoma of the thyroid with polydactyly and arachnodactyly. Sinha K, et al. **J Indian Med Assoc 59:244-5, 16 Sep 72**

[Clinical and genetic aspects of the lingual thyroid gland] Zabransky S, et al. **Munch Med Wochenschr 115:542-7, 30 Mar 73 (Eng. Abstr.) (Ger)**

[The histophysiology of various developmental anomalies] Nicolesco S. **Arkh Anat Gistol Embriol 63:5-11, Jul 72 (Eng. Abstr.) (Rus)**

ANALYSIS

An improved method of isolation of crystalline basic trypsin inhibitor from bovine tissues. Wilusz T, et al. **Acta Biochim Pol 20:25-31, 1973**

Distribution of thyroid, parathyroid, and ultimobranchial hypocalcemic factors in birds. II. Morphology, histochemistry, and hypocalcemic activity of pigeon thyroid glands. Hoyt RF Jr, et al. **Anat Rec 176:1-33, May 73**

Thyroid ribonucleic acid-iodopeptides. Purification and properties of a thyroxine-containing complex from porcine thyroid. Gadski RA, et al. **Biochemistry 12:1907-14, 8 May 73**

Glycoprotein biosynthesis. 3. Pool sizes of glucosamine intermediates in the bovine thyroid gland. Trujillo JL, et al. **Biochim Biophys Acta 286:330-8, 29 Dec 72**

Iodine-129 in thyroid glands. Boulos MS, et al. **Health Phys 24:375-8, Apr 73**

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol 56:451-62, Mar 73**

An electron microscopic study of the thyroglobulin molecule. Berg G. **J Ultrastruct Res 42:324-36, Feb 73**

Xanthine oxidase from bovine thyroid glands. Fischer AG, et al. **Life Sci [II] 12:267-75, 22 Mar 73**

Cyclic AMP and its binding protein in the stimulated thyroid of the rat. Zakarija M, et al. **Life Sci [II] 12:225-31, 8 Mar 73**

[Preparation of soluble ribonucleic acids from human thyroid] Taulemesse H, et al. **C R Soc Biol (Paris) 166:1004-8, 1972 (Fre)**

[Clinical studies on radio-iodine kinetics and the biological halflife of oral 131 I] Lütgemeier J, et al. **God Zb Med Fak Skopje 118:325-9, Mar 73 (Eng. Abstr.) (Ger)**

ANATOMY & HISTOLOGY

Thyroid follicular cell proliferation as a function of age. Christov K, et al. **Beitr Pathol 148:152-64, Feb 73**

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al. **Gen Comp Endocrinol 20:342-6, Apr 73**

Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and blood metabolite levels of steers. Borger ML, et al. **J Anim Sci 36:706-11, Apr 73**

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tai E, et al. **J Endocrinol 57:183-4, Apr 73**

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. **Proc Soc Exp Biol Med 142:776-80, Mar 73**

Neck exploration for hyperparathyroidism. Cady B. **Surg Clin North Am 53:301-6, Apr 73**

Observations on the thyroid gland in rats following the administration of sulfamethoxazole and trimethoprim. Swarm RL, et al. **Toxicol Appl Pharmacol 24:351-63, Mar 73**

[Comparison of function and morphology of the thyroid gland of the budgerigar (Melopsittacus undulatus)] Robiller F, et al. **Anat Anz 132:401-9, 1972 (Ger)**

[Evaluation of the epithelium-colloid-stroma method in the determination of thyroid gland activity] Hald H. **Z Mikrosk Anat Forsch 86:366-8, 1972 (Eng. Abstr.) (Ger)**

BLOOD SUPPLY

Familial hyperparathyroidism. Mild hypercalcemia in at least nine members of a kindred. Marx SJ, et al. **Ann Intern Med 78:371-7, Mar 73**

The effect of hypocalcaemia on the secretion of calcitonin. West TE, et al. **J Endocrinol 56:463-70, Mar 73**

Delayed major vessel hemorrhage following tracheostomy. Brantigan CO. **J Trauma 13:235-7, Mar 73**

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. **Radiology 107:249-56, May 73**

[Risks in parathyroid adenoma localization with arteriography and its risks] Duhost C. **Nouv Presse Med 2:722, 17 Mar 73 (Fre)**

[Arteriovenous fistulas in thyroid nodules] Guinet P, et al. **Rev Fr Endocrinol Clin 13:245-64, May-Jun 72 (Eng. Abstr.) (Fre)**

[Common truncus thyrolinguofacialis] Nižankowski C. **Anat Anz 132:530-4, 1972 (Ger)**

[Comparison of function and morphology of the thyroid gland of the budgerigar (Melopsittacus undulatus)] Robiller F, et al. **Anat Anz 132:401-9, 1972 (Ger)**

[Ultrastructural bases of vascular permeability] Voitkevich AA, et al. **Usp Sovrem Biol 74:439-60, Nov-Dec 72 (69 ref.) (Rus)**

CYTOLOGY

Distribution of thyroid, parathyroid, and

ultimobranchial hypocalcemic factors in birds. II. Morphology, histochemistry, and hypocalcemic activity of pigeon thyroid glands. Hoyt RF Jr, et al. **Anat Rec** 176:1-33, May 73

Thyroid follicular cell proliferation as a function of age. Christov K, et al. **Beitr Pathol** 148:152-64, Feb 73

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al. **Biochem Biophys Res Commun** 51:34-9, 5 Mar 73

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al. **Biochim Biophys Acta** 294:309-21, 19 Jan 73

Ontogenic development of the thyroid gland in goslings. Kaciuba-Uściłko H, et al. **Bull Acad Pol Sci [Biol]** 21:161-4, 1973

Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Schneider E, et al. **Chromosoma** 41:167-73, 1973

Appearance of amine-containing mast cells in the mouse thyroid induced by the human long-acting thyroid stimulator (LATS). Melander A, et al. **Endocrinology** 92:1362-6, May 73

Histochemical markers of thyroid C cells in rats. Zabel M. **Folia Morphol (Warsz)** 32:85-8, 1973

Effect of temperature acclimation, tail amputation and x-irradiation on thyroid gland of the lizard, Hemidactylus leschenaulti. Eapen J, et al. **Indian J Exp Biol** 10:253-6, Jul 72

Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al. **J Biol Chem** 248:350-5, 10 Jan 73

Increased plasminogen activator (urokinase) in tissue culture after fibrin deposition. Bernik MB. **J Clin Invest** 52:823-34, Apr 73

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al. **J Histochem Cytochem** 21:253-65, Mar 73

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. **Prostaglandins** 1:345-63, May 72

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al. **Sov J Dev Biol** 3:305-12, Jul-Aug 72

Detection of Y chromatin and Barr bodies in histological sections by quinacrine fluorescence. Kovács M, et al. **Stain Technol** 48:94-6, Mar 73

Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. I. Observation under normal conditions. Setoguti T. **Z Zellforsch Mikrosk Anat** 137:177-94, 12 Feb 73

Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. II. Observation under experimental conditions. Setoguti T. **Z Zellforsch Mikrosk Anat** 137:195-208, 12 Feb 73

[Paraganglionic cells in the guinea pig's thyroid gland region] Ehrenbrand F. **Anat Anz** 132:420-2, 1972 (Ger)

[Temporal relationship between metabolic reactions and changes of epithelial cells in the thyroid gland] Robiller F, et al. **Z Mikrosk Anat Forsch** 86:343-8, 1972 (Eng. Abstr.) (Ger)

[Histological and histochemical studies of dogs' thyroid gland C cell reactivity to changes of blood serum calcium level] Miętkiewski K, et al. **Endokrynol Pol** 24:57-70, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Histophysiology of the thyroid gland during administration of mercazolyl] Detiuk ES, et al. **Probl Endokrinol (Mosk)** 19:69-73, Jan-Feb 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Morphometric and electron microscopic studies of goiter induced by lithium in the rat. Heitne CE, et al. **Am J Anat** 136:297-303, Mar 73

Androgens and athletes. Frasier SD. **Am J Dis Child** 125:479-80, Apr 73

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. **Am J Vet Res** 34:535-8, Apr 73

Thyroid follicular cell proliferation as a function of age. Christov K, et al. **Beitr Pathol** 148:152-64, Feb 73

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al. **Biochem Biophys Res Commun** 51:34-9, 5 Mar 73

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al. **Biochim Biophys Acta** 294:309-21, 19 Jan 73

Glycoprotein biosynthesis. VI. Regulation of uridine diphosphate N-acetyl-D-glucosamine metabolism in bovine thyroid gland slices. Trujillo JL, et al. **Biochim Biophys Acta** 304:32-41, 30 Mar 73

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al. **Endocrinology** 92:1305-11, May 73

Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. **Endocrinology** 92:912-6, Mar 73

Appearance of amine-containing mast cells in the mouse thyroid induced by the human long-acting thyroid stimulator (LATS). Melander A, et al. **Endocrinology** 92:1362-6, May 73

Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. **Endocrinology** 92:946-8, Mar 73

Effect of single administration of small doses of iodide on thyroid hormone biosynthesis. Langer P. **Endokrinologie** 61:43-51, 1973

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest** 3:142-50, Mar 73

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosyntbesis of prostaglandins in the thyroid. Haye B, et al. **FEBS Lett** 30:253-60, 15 Mar 73

The effects of Methallibure (I.C.I. 33,828) and thiourea on gametogenesis in the firetail gudgeon, Hypseleotris galii. Mackay NJ. **Gen Comp Endocrinol** 20:221-35, Apr 73

Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A. **Int J Radiat Biol** 23:415-6, Apr 73

Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al. **J Biol Chem** 248:350-5, 10 Jan 73

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al. **J Clin Endocrinol Metab** 36:859-66, May 73

Thiocyanate ion in serum as an interfering factor in the in-vitro bioassay of thyrotrophin. Bourke JR, et al. **J Endocrinol** 57:1-6, Apr 73

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tal E, et al. **J Endocrinol** 57:183-4, Apr 73

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol** 56:451-62, Mar 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al. **Lancet** 808:889, 21 Apr 73

Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Coleoni AH. **Pharmacology** 8:300-10, 1972

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. **Proc Soc Exp Biol Med** 142:776-80, Mar 73

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med** 143:181-4, May 73

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. **Prostaglandins** 1:345-63, May 72

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al. **Sov J Dev Biol** 3:305-12, Jul-Aug 72

Observations on the thyroid gland in rats following the administration of sulfamethoxazole and trimethoprim. Swarm RL, et al. **Toxicol Appl Pharmacol** 24:351-63, Mar 73

In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. **Trans Assoc Am Physicians** 85:309-16, 1972

Current status of oral contraceptives. Curet LB. **Wis Med J** 72:135-7, May 73

Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. II. Observation under experimental

conditions. Setoguti T.
Z Zellforsch Mikrosk Anat 137:195-208, 12 Feh 73

[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al.
Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Protective effects of metformin (NN-dimethylbiguanide) on hypothyroidism and fatty infiltration of the adrenal cortex induced by a cholesterol diet in rabbits] Marquié G, et al.
Pathol Biol (Paris) 21:133-9, Feb 73 (Eng. Abstr.) (Fre)

[Studies on the toxicology of sulfaguanol] Kuhne J, et al.
Arzneim Forsch 23:178-84, Feb 73 (Eng. Abstr.) (Ger)

[Histopathological changes in the thyroid glands of cattle and rabbits following feeding with methylthiouracil] Griem W.
Berl Munch Tieraerztl Wochenschr 86:50-6, 1 Feh 73 (Eng. Abstr.) (Ger)

[Toxicological studies of long-term administration of doxycycline in rats and in castrated pigs] De Pascale V, et al.
Boll Chim Farm 111:755-76, Dec 72 (Eng. Abstr.) (Ita)

[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)

[Effect of TSH on intrathyroid iodine content] Tkaczew AW, et al.
Endokrynol Pol 24:11-9, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Efficacy and side effects of modern contraceptives] Okia J. Pol Tyg Lek 28:135-8, 22 Jan 73 (16 ref.) (Pol)

[Histophysiology of the thyroid gland during administration of mercazolyl] Detiuk ES, et al.
Probl Endokrinol (Mosk) 19:69-73, Jan-Feh 73 (Eng. Abstr.) (Rus)

[Cell division and regenerative processes in the thyroid gland irradiated with radioactive iodine] Romanov IuA.
Zh Obshch Biol 33:397-408, Jul-Aug 72 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Thyroid and parathyroid glands in the vaginal wall: report of a case. Kurman RJ, et al.
Am J Clin Pathol 59:503-7, Apr 73

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feh 73 (27 ref.) (Jap)

[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)

ENZYMOLOGY

Distribution of thyroid, parathyroid, and ultimobranchial hypocalcemic factors in birds. II. Morphology, histochemistry, and hypocalcemic activity of pigeon thyroid glands. Hoyt RF Jr, et al.
Anat Rec 176:1-33, May 73

Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al.
Biochem Biophys Res Commun 51:34-9, 5 Mar 73

Glycoprotein biosynthesis. VI. Regulation of uridine diphosphate N-acetyl-D-glucosamine metabolism in bovine thyroid gland slices. Trujillo JL, et al.
Biochim Biophys Acta 304:32-41, 30 Mar 73

Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. Endocrinology 92:912-6, Mar 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al.
Endocrinology 92:1349-53, May 73

Effect of erythropoietin on the peroxidase and tyrosine-iodinase activity of mouse thyroid and submaxillary gland. Banerjee RK, et al.
Eur J Biochem 34:169-76, 2 Apr 73

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al.
FEBS Lett 30:253-60, 15 Mar 73

Histochemical markers of thyroid C cells in rats. Zabel M. Folia Morphol (Warsz) 32:85-8, 1973

Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound sialyltransferase activity. Monaco F, et al.
J Biol Chem 248:2328-36, 10 Apr 73

γ-Glutamyl cyclotransferase. Distribution, isozymic forms, and specificity. Orlowski M, et al.
J Biol Chem 248:2836-44, 25 Apr 73

Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al.
J Biol Chem 248:350-5, 10 Jan 73

Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73

Xanthine oxidase from bovine thyroid glands. Fischer AG, et al. Life Sci [II] 12:267-75, 22 Mar 73

[Histological and histochemical studies of dogs' thyroid gland C cell reactivity to changes of blood serum calcium level] Miętkiewski K, et al.
Endokrynol Pol 24:57-70, Jan-Feh 73 (Eng. Abstr.) (Pol)

GROWTH & DEVELOPMENT

Ontogenic development of the thyroid gland in goslings. Kaciuba-Uściłko H, et al.
Bull Acad Pol Sci [Biol] 21:161-4, 1973

IMMUNOLOGY

Replicative life-span of cultured skin fibroblasts from young mothers of subjects with Down's syndrome: failure to detect accelerated ageing. Fialkow PJ, et al.
Am J Hum Genet 25:317-22, May 73

Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al.
Arch Dermatol 107:407-12, Mar 73

Coeliac disease associated with auto-immune thyroiditis, Sjogren's syndrome, and a lymphocytotoxic serum factor. Maclaurin BP, et al.
Aust NZ J Med 2:405-11, Nov 72

Occurrence and cross-reactivity of heterophile antibodies and anti-kidney antibodies in kidney transplanted patients and patients with renal disease. Svehag SE, et al. Clin Exp Immunol 13:191-202, Feh 73

Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Bános C, et al. Endokrinologie 61:32-6, 1973

Circulating sensitized lymphocytes in systemic lupus erythematosus. Podieski WK, et al.
Nature 241:278-9, 26 Jan 73

Fluorescent anti-colon and organ-specific antibodies in ulcerative colitis. Marcussen H, et al.
Scand J Gastroenterol 8:9-15, 1973

[Clinical and erythrokinetic findings in isolated erythropoietic aplasia before and after successful corticosteroid therapy] Havemann K, et al.
Blut 26:193-203, Mar 73 (Eng. Abstr.) (Ger)

[Case of idiopathic thyroid atrophy in a 15-year-old girl] Zarzycki J, et al.
Endokrynol Pol 24:97-102, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Histological appearance of thyroid gland in adjuvant-induced polyarthritis as compared with experimental autoimmune thyroiditis in rats] Kalczak M, et al.
Reumatologia 11:1-10, Jan 73 (Eng. Abstr.) (Pol)

[Autoimmune diseases of the thyroid gland in patients with periodic schizophrenia] Gasanov KhA, et al.
Zh Nevropatol Psikhiatr 12:1837-41, 1972 (Eng. Abstr.) (Rus)

INJURIES

Penetrating wounds of the neck: surgical management. Williams JW, et al. J Trauma 13:435-42, May 73

METABOLISM

Plasma protein biosynthesis in different thyroid states. Nadkarni GD, et al. Biochem Med 7:226-34, Apr 73

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al.
Biochim Biophys Acta 294:309-21, 19 Jan 73

Alkaline ribonuclease inhibitor in rat thyroid. Greif RL, et al. Biochim Biophys Acta 286:350-9, 29 Dec 72

Glycoprotein biosynthesis. 3. Pool sizes of glucosamine intermediates in the bovine thyroid gland. Trujillo JL, et al. **Biochim Biophys Acta** 286:330-8, 29 Dec 72

Glycoprotein biosynthesis. VI. Regulation of uridine diphosphate N-acetyl-D-glucosamine metabolism in bovine thyroid gland slices. Trujillo JL, et al. **Biochim Biophys Acta** 304:32-41, 30 Mar 73

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al. **Endocrinology** 92:1376-81, May 73

The metabolism of perchlorate in the rat. Goldman SJ, et al. **Endocrinology** 92:1536-8, May 73

Kinetics of isotopic equilibration of iodine in individual rat thyroid follicles. Loewenstein JE, et al. **Endocrinology** 92:894-911, Mar 73

Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. **Endocrinology** 92:912-6, Mar 73

Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. **Endocrinology** 92:946-8, Mar 73

Effect of single administration of small doses of iodide on thyroid hormone biosynthesis. Langer P. **Endokrinologie** 61:43-51, 1973

Effect of insulin induced hypoglycaemia on thyroid function and thyroxine turnover. Blum C, et al. **Eur J Clin Invest** 3:124-9, Mar 73

Autoradiographic studies on iodine distribution in the thyroid gland of the budgerigar (Melopsittacus undulatus). Robiller F, et al. **Exp Pathol (Jena)** 7:345-6, 1972

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al. **FEBS Lett** 30:253-60, 15 Mar 73

Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A. **Int J Radiat Biol** 23:415-6, Apr 73

Mechanism of allergy to components of commercial bovine thyrotropin. Kirkpatrick CH, et al. **J Allergy Clin Immunol** 51:296-302, May 73

, Steeno O:Statistics on the results of the T 3 -binding capacity and the bound thyroxine in human serum. Spiessens H, et al. **J Belge Radiol** 55:547-56, Sep-Oct 72

Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound sialyltransferase activity. Monaco F, et al. **J Biol Chem** 248:2328-36, 10 Apr 73

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al. **J Clin Endocrinol Metab** 36:859-66, May 73

Increased plasminogen activator (urokinase) in tissue culture after fibrin deposition. Bernik MB. **J Clin Invest** 52:823-34, Apr 73

The effect of methylcholanthrene on biliary thyroxine excretion in normal and Gunn rats. Bastomsky CH, et al. **J Endocrinol** 56:267-73, Feb 73

The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH. **J Endocrinol** 56:173-85, Feb 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet** 1:1021-4, 12 May 73

Effect of phenobarbitone on metabolism of methimazole. Lees JF, et al. **Lancet** 1:616, 17 Mar 73

Cyclic AMP and its binding protein in the stimulated thyroid of the rat. Zakarija M, et al. **Life Sci [II]** 12:225-31, 8 Mar 73

Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Coleoni AH. **Pharmacology** 8:300-10, 1972

Effect of replacement of medium potassium by sodium, cesium or rubidium on in vitro iodide transport and iodoamino acid synthesis by rat thyroid. Halbach H, et al. **Proc Soc Exp Biol Med** 143:114-7, May 73

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. **Proc Soc Exp Biol Med** 142:776-80, Mar 73

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med** 143:181-4, May 73

I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al. **Rocky Mt Med J** 70:39-41, Apr 73

In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. **Trans Assoc Am Physicians** 85:309-16, 1972

[Current studies on the role of lysosomes in the liberation of thyroid hormones] Vandenbroucke MF. **Mem Acad R Med Belg** 7:457-503, Dec 72 **(Fre)**

[Protective effects of metformin (NN-dimethylbiguanide) on hypothyroidism and fatty infiltration of the adrenal cortex induced by a cholesterol diet in rabbits] Marquié G, et al. **Pathol Biol (Paris)** 21:133-9, Feb 73 (Eng. Abstr.) **(Fre)**

[Comparison of function and morphology of the thyroid gland of the budgerigar (Melopsittacus undulatus)] Robiller F, et al. **Anat Anz** 132:401-9, 1972 **(Ger)**

[Effect of rape extraction groats on chick growth. 3. Effect of graded administration of rape extraction groats on 131 I incorporation in the chick thyroid gland] Bergner H, et al. **Arch Tierernaehr** 22:41-7, Feb 72 (Eng. Abstr.) **(Ger)**

[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al. **Dtsch Med Wochenschr** 98:525-8, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Temporal relationship between metabolic reactions and changes of epithelial cells in the thyroid gland] Robiller F, et al. **Z Mikrosk Anat Forsch** 86:343-8, 1972 (Eng. Abstr.) **(Ger)**

[Histological and histochemical studies of dogs' thyroid gland C cell reactivity to changes of blood serum calcium level] Miętkiewski K, et al. **Endokrynol Pol** 24:57-70, Jan-Feb 73 (Eng. Abstr.) **(Pol)**

[Effect of TSH on intrathyroid iodine content] Tkaczew AW, et al. **Endokrynol Pol** 24:11-9, Jan-Feb 73 (Eng. Abstr.) **(Pol)**

[Study of the absorption of iodine-131 by the thyroid gland and level of protein-bound iodine in the blood during the development of liver cirrhosis] Turakulov IaKh, et al. **Probl Endokrinol (Mosk)** 19:85-9, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

[The C-cells of the rat thyroid gland during tumor induction] Kashulina AP, et al. **Vopr Onkol** 18:82-4, 1972 (Eng. Abstr.) **(Rus)**

[Cyci AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. **Rev Iber Endocrinol** 20:27-44, Jan-Feb 73 (Eng. Abstr.) **(Spa)**

[Sorption activity of cells of endocrine organs in pregnancy] Znamens'ka OI. **Fiziol Zh** 18:687-8, Sep-Oct 72 **(Ukr)**

PATHOLOGY

Non-toxic goitre. Dyshormonogenesis. Angerbaek H. **Acta Endocrinol (Kbh)** 72:871-83, Apr 73

Morphometric and electron microscopic studies of goiter induced by lithium in the rat. Heitne CE, et al. **Am J Anat** 136:297-303, Mar 73

Renal disease and goitre: a new syndrome of primary amyloidosis. Cooke RA, et al. **Aust Paediatr J** 8:250-4, Oct 72

Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Silverberg SG, et al. **Cancer** 31:621-5, Mar 73

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. **Clin Exp Immunol** 13:303-26, Feb 73

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al. **Endokrinologie** 61:132-9, 1973

Amyloidosis and cancer--a review. Soman CS, et al. **Indian J Cancer** 9:340-1, Dec 72

The thyroid gland in hyperthyroidism. Sampat MB, et al. **Indian J Med Res** 60:851-8, Jun 72

Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al. **J Clin Endocrinol Metab** 36:830-44, May 73

Distribution of anomalous lysosomes in the beige mouse: a homologue of Chediak-Higashi syndrome. Oliver C, et al. **J Histochem Cytochem** 21:218-28, Mar 73

[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al. **Ann Endocrinol (Paris)** 33:64-72, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Histopathological changes in the thyroid glands of cattle and rabbits following feeding with methylthiouracil] Griem W.
Berl Munch Tieraerztl Wochenschr 86:50-6, 1 Feb 73 (Eng. Abstr.) (Ger)

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)

[Characteristics of surgical cases of thyroid diseases in the aged] Kuwahara S.
Jap J Geriatr 10:6-8, Jan 73 (Jap)

[Effect of microwaves on the morphology and function of the thyroid gland] Barański S, et al.
Acta Physiol Pol 23:997-1009, Nov-Dec 72 (Eng. Abstr.) (Pol)

[Histological appearance of thyroid gland in adjuvant-induced polyarthritis as compared with experimental autoimmune thyroiditis in rats] Kalczak M, et al.
Reumatologia 11:1-10, Jan 73 (Eng. Abstr.) (Pol)

[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al.
Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) (Por)

[The histophysiology of various developmental anomalies] Nicolescu S.
Arkh Anat Gistol Embriol 63:5-11, Jul 72 (Eng. Abstr.) (Rus)

[The lymphatic bed of the rabbit thyroid gland under normal conditions and in experimental thyroiditis] Zalmaev BE.
Arkh Anat Gistol Embriol 63:45-50, Sep 72 (Eng. Abstr.) (Rus)

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskii OK, et al.
Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)

[The C-cells of the rat thyroid gland during tumor induction] Kashulina AP, et al.
Vopr Onkol 18:62-4, 1972 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kaneko JJ, et al. Am J Vet Res 34:535-8, Apr 73

Experimental canine coronary atherosclerosis. Rawitscher RE, et al. Ann Surg 177:357-61, Mar 73

The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al.
Arch Biochem Biophys 154:566-74, Feb 73

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al.
Biochem Biophys Res Commun 51:34-9, 5 Mar 73

Plasma protein biosynthesis in different thyroid states. Nadkarni GD, et al. Biochem Med 7:226-34, Apr 73

Alkaline ribonuclease inhibitor in rat thyroid. Greif RL, et al. Biochim Biophys Acta 286:350-9, 29 Dec 72

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al.
Biol Neonate 21:282-95, 1972

The effect of insulin on bone resorption. Puche RC, et al. Calcif Tissue Res 12:8-15, 1973

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al.
Endocrinology 92:1328-33, May 73

Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al.
Endocrinology 92:775-87, Mar 73

Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al.
Endocrinology 92:769-74, Mar 73

Effect of calcitonin and calcium infusion on plasma phosphate. Talmage RV, et al.
Endocrinology 92:792-8, Mar 73

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al.
FEBS Lett 30:253-60, 15 Mar 73

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al.
Gen Comp Endocrinol 20:342-6, Apr 73

Effect of temperature acclimation, tail amputation and x-irradiation on thyroid gland of the lizard, Hemidactylus leschenaulti. Eapen J, et al.
Indian J Exp Biol 10:253-6, Jul 72

Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery. Ahuid J, et al. J Clin Invest 52:1195-9, May 73

Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al.
J Clin Invest 52:1010-7, May 73

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73

Inhibition of bone matrix formation, mineralization, and resorption in thyroparathyroidectomized rats. Wergedal J, et al. J Clin Invest 52:1052-8, May 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73

Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK.
J Endocrinol 56:295-301, Feb 73

The role of the pituitary-adrenal-thyroid axes in lung differentiation. II. Biochemical studies of developing lung in anencephalic fetal rats. Blackburn WR, et al.
Lab Invest 28:352-60, Mar 73

Free fatty acid metabolism during stress: exercise, acute cold exposure, and anaphylactic shock. Paul P, et al. Lipids 8:142-50, Mar 73

Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Coleoni AH.
Pharmacology 8:300-10, 1972

Steady state glucose dynamics in hyperthyroid rabbits. Marecek RL, et al.
Res Commun Chem Pathol Pharmacol 5:493-504, Mar 73

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Del Conte E.
Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Comparison of function and morphology of the thyroid gland of the budgerigar (Melopsittacus undulatus)] Robiller F, et al. Anat Anz 132:401-9, 1972 (Ger)

[Evaluation of the epithelium-colloid-stroma method in the determination of thyroid gland activity] Haid H.
Z Mikrosk Anat Forsch 86:366-8, 1972 (Eng. Abstr.) (Ger)

[Temporal relationship between metabolic reactions and changes of epithelial cells in the thyroid gland] Rohiller F, et al.
Z Mikrosk Anat Forsch 86:343-8, 1972 (Eng. Abstr.) (Ger)

[Effect of basic diet and dietary tocopherole deficiency in the rat. I. Calcium, inorganic phosphorus and total nitrogen in the bone] Blähser S.
Z Tierphysiol 30:337-43, Jan 73 (Eng. Abstr.) (Ger)

[Fetal and neonatal hypothyroidism] De Matteis F.
Minerva Pediatr 25:175-89, 18 Feb 73 (Eng. Abstr.) (Ita)

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)

[Histophysiology of the thyroid gland during administration of mercazolyl] Detiuk ES, et al.
Probl Endokrinol (Mosk) 19:69-73, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Cell division and regenerative processes in the thyroid gland irradiated with radioactive iodine] Romanov IuA.
Zh Obshch Biol 33:397-408, Jul-Aug 72 (Eng. Abstr.) (Rus)

[Cyclic AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA.
Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

The metabolic and endocrine response to injury: a review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)

The effect of thyroid status on nitrogen balance and the

rate of wound healing after injury in rats. Lennox J, et al. **Br J Surg** 60:309, Apr 73

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. **Clin Exp Immunol** 13:303-26, Feb 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet** 1:1021-4, 12 May 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians** 85:295-308, 1972

[Iodine overload and hypothyroidism] Hazard J. **Nouv Presse Med** 2:685-8, 17 Mar 73 (Fre)

[Thyroid and adrenal gland function in rats with hereditary spontaneous hypertension] Wessels F, et al. **Med Welt** 24:727-8, 4 May 73 (Ger)

[The hypophysis in anorexia nervosa] Bassoe HH. **Tidsskr Nor Laegeforen** 92:2214-20, 20 Nov 72 (Nor)

[Effect of microwaves on the morphology and function of the thyroid gland] Barański S, et al. **Acta Physiol Pol** 23:997-1009, Nov-Dec 72 (Eng. Abstr.) (Pol)

[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al. **Stud Cercet Med Interna** 13:551-4, 1972 (Eng. Abstr.) (Rum)

[Quantitative evaluation of endogenous stimulation by accumulated I-131 isotopes and Tc99m in the diagnosis of nodular toxic goiter] Kotliarov EV, et al. **Med Radiol (Mosk)** 18:11-6, Jan 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Effect of temperature acclimation, tail amputation and x-irradiation on thyroid gland of the lizard, Hemidactylus leschenaulti. Eapen J, et al. **Indian J Exp Biol** 10:253-6, Jul 72

Thyroid cancer after radioactive iodine diagnostic procedures in childhood. Pilch BZ, et al. **Pediatrics** 51:898-902, May 73

Diagnostic use of iodine 131 in children. Safety and utility compared to other tests. Treves S, et al. **Pediatrics** 51:929-30, May 73

Assessment of thyroid inhalation doses in the Western United States from the Chinese nuclear test of November 1971. Evans RB, et al. **Radiat Data Rep** 14:9-15, Jan 73

Radiation exposure to radiologists during bronchial brush biopsies. Sooby DL, et al. **Radiology** 107:305-7, May 73

[Quantitative evaluation of endogenous stimulation by accumulated I-131 isotopes and Tc99m in the diagnosis of nodular toxic goiter] Kotliarov EV, et al. **Med Radiol (Mosk)** 18:11-6, Jan 73 (Eng. Abstr.) (Rus)

[Cell division and regenerative processes in the thyroid gland irradiated with radioactive iodine] Romanov IuA. **Zh Obshch Biol** 33:397-408, Jul-Aug 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

The use of germantium semiconductor detectors for in vivo measurements X-ray fluorescent thyroid scanning; determination of the depth distribution of radioactivity. Bruin M de. **Strahlentherapie [Sonderb]** 72:389-95, 1972

SECRETION

Disturbances in the regulation of food intake. Obesity: anatomic and physiologic-biochemical observations. Björntorp P. **Adv Psychosom Med** 7:116-27, 1972 (123 ref.)

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al. **Biochem Biophys Res Commun** 51:34-9, 5 Mar 73

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest** 3:142-50, Mar 73

Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery. Ahuld J, et al. **J Clin Invest** 52:1195-9, May 73

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tai E, et al. **J Endocrinol** 57:183-4, Apr 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Ryhakowski J, et al. **Lancet** 808:889, 21 Apr 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc** 48:273-5, Apr 73

[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E. **Tidsskr Nor Laegeforen** 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)

[Triiodothyronine-thyrotoxicosis] Lande G, et al. **Tidsskr Nor Laegeforen** 92:2424-7, 30 Dec 72 (Eng. Abstr.) (Nor)

[Protein-bound iodine level in the blood serum of parturients] Stancheva M, et al. **Akush Ginekol (Mosk)** 49:44-6, Feb 73 (Rus)

[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al. **Vopr Onkol** 19:31-5, 1973 (Eng. Abstr.) (Rus)

SURGERY

Thyroid gland in the management of laryngopharyngeal cancer. Harrison DF. **Arch Otolaryngol** 97:301-2, Apr 73

[New surgical technic for the treatment of wounds of the upper trachea] Mounier-Kuhn P, et al. **J Fr Otorhinolaryngol** 21:813-5, Nov 72 (Fre)

TRANSPLANTATION

Surgical management of lingual thyroid. Case report. Orozco H, et al. **Helv Paediatr Acta** 28:47-50, Mar 73

The phenomenon of adaptation: graft or host? Warden GD, et al. **Transplant Proc** 5:635-9, Mar 73

[The technic of taking and transplanting a thyroid-parathyroid complex to patients suffering thyroid-parathyroid insufficiency] Tochilin VI. **Klin Khir** 9:36-40, Sep 72 (Rus)

THYROID GLAND FUNCTION TESTS

Hyperthyroidism as a possible complication of the treatment of ischemic heart disease with amiodarone. Jonckheer MH, et al. **Acta Cardiol (Brux)** 28:192-200, 1973

Non-toxic goitre. Dyshormonogenesis. Angerbaek H. **Acta Endocrinol (Kbh)** 72:671-83, Apr 73

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al. **Acta Endocrinol (Kbh)** 72:697-713, Apr 73

Effect of clofibrate (atromid S) on t 4 -by-column measurements. Powell JB, et al. **Am J Clin Pathol** 59:764, May 73

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. **Am J Dis Child** 125:612-3, Apr 73

The solitary thyroid nodule. Brooks JR. **Am J Surg** 125:477-81, Apr 73

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. **Am J Vet Res** 34:535-8, Apr 73

The metabolic and endocrine response to injury: a review. Johnston ID. **Br J Anaesth** 45:252-5, Mar 73 (15 ref.)

Discriminant value of thyroid function tests. Barnett DB, et al. **Br Med J** 2:144-7, 21 Apr 73

Grades of hypothyroidism. Evered DC, et al. **Br Med J** 1:657-62, 17 Mar 73

Radioimmunoassay of triiodothyronine in unextracted human serum. Hesch RD, et al. **Br Med J** 1:645-8, 17 Mar 73

Remission of thyrotoxicosis during treatment with propranolol. McLarty DG, et al. **Br Med J** 2:332-4, 12 May 73

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al. **Br Med J** 2:87-90, 14 Apr 73

Diagnosis of thyrotoxicosis. **Br Med J** 2:131-2, 21 Apr 73

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. **Bull Physiopathol Respir (Nancy)** 8:1021-8, Sep-Oct 72

Apathetic hyperthyroidism presenting as tricuspid regurgitation. Dougherty MJ, et al. **Chest** 63:767-72, May 73

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. **Clin Exp Immunol** 13:303-26, Feb 73

Effect of pindolol, a beta receptor antagonist, in hyperthyroidism. Schelling JL, et al.
Clin Pharmacol Ther 14:158-64, Mar-Apr 73

Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Bános C, et al. **Endokrinologie** 61:32-6, 1973

Nyctohemeral growth hormone levels in children with growth retardation and inflammatory bowel disease. Gotlin RW, et al. **Gut** 14:191-5, Mar 73

Surgical management of lingual thyroid. Case report. Orozco H, et al. **Helv Paediatr Acta** 28:47-50, Mar 73

The rapid determination of the early 99m Tc pertechnetate thyroid uptake using a multichannel analyzer. Castronovo FP Jr, et al.
Int J Appl Radiat Isot 24:298-9, May 73

Computer-aided differential diagnosis of goitres in internal medicine. Bouckaert A, et al.
Int J Biomed Comput 4:1-17, Jan 73

Thyroid disease in pregnancy. Caleel GT.
J Am Osteopath Assoc 72:635-7, Feb 73

Carpal-tunnel syndrome in patients with myxedematous arthropathy. Frymoyer JW, et al.
J Bone Joint Surg [Am] 55:78-82, Jan 73

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73

Late onset mitochondrial myopathy. Shibasaki H, et al.
J Neurol Sci 18:301-10, Mar 73

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al.
J Neurosurg 38:309-19, Mar 73

Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML.
J Nucl Med 14:336-40, Jun 73

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al.
J Pediatr 82:461-5, Mar 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet** 1:1021-4, 12 May 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

Unusual abnormal X chromosome in hyperthyroidism and Turner's syndrome. Chang JC, et al.
NY State J Med 73:1101-4, 1 May 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972

[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al.
Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) **(Cze)**

[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Myasthenia, vitiligo, Basedow's disease] Boudin C, et al. **Ann Med Interne (Paris)** 123:861-4, Oct 72 **(Fre)**

[Radioisotopic study of thyroid function] Blanquet P, et al. **Bord Med** 5:2310-4, Nov 72 **(Fre)**

[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 **(Fre)**

[Thyroid insufficiency following amiodarone treatment. 2 new cases] Hazard J, et al.
Nouv Presse Med 2:691-3, 17 Mar 73 **(Fre)**

[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) **(Fre)**

[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Hypertbyroidism and thyroid cancer] Guinet P, et al.
Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al.
Sem Hop Paris 49:325-7, 26 Jan 73 (Eng. Abstr.) **(Fre)**

[Radio-iodine test and pregnancy] Heinze HG.
Munch Med Wochenschr 115:426, 9 Mar 73 **(Ger)**

[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) **(Ger)**

[Selective strumectomy] Gemsenjäger E.
Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) **(Ger)**

[Incidence of hypothroidism following percutaneous telecobalt radiotherapy of laryngeal carcinoma] Brase A, et al.
Strahlentherapie 145:147-54, Feb 73 (Eng. Abstr.) **(Ger)**

[Chromosome anomalies of lymphocytes due to thyroid gland studies using 131-I] Zsebök ZB, et al.
Strahlentherapie [Sonderb] 72:253-5, 1972 (Eng. Abstr.) **(Ger)**

[Hypertbyroidism in childhood. 1. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 **(Ger)**

[Evaluation of the epithelium-colloid-stroma method in the determination of thyroid gland activity] Haid H.
Z Mikrosk Anat Forsch 86:366-8, 1972 (Eng. Abstr.) **(Ger)**

[Fetal and neonatal hypothyroidism] De Matteis F.
Minerva Pediatr 25:175-89, 18 Feb 73 (Eng. Abstr.) **(Ita)**

[Familial goiter accompanying amblyacousia and idiocy] Yoshimura M, et al.
Clin Endocrinol (Tokyo) 21:187-91, Feb 73 **(Jap)**

[Triiodothyronine-thyrotoxicosis] Lande G, et al.
Tidsskr Nor Laegeforen 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al.
Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) **(Por)**

[Correlation between the pH of the dental plaque, the incidence of dental caries, periodontal diseases and thyroid function measured by radioactive iodine] Baba I, et al.
Stomatologia (Bucur) 19:491-6, Nov-Dec 72 (Eng. Abstr.) **(Rum)**

[Determination of blood content of total thyroxine as an effective thyroid biochemical test] Constantinescu A, et al. **Stud Cercet Endocrinol** 24:235-43, 1973 **(Rum)**

[Discrepancies in thyroid function tests] Milcu SM.
Stud Cercet Endocrinol 24:245-6, 1973 **(Rum)**

[Quantitative evaluation of endogenous stimulation by accumulated I-131 isotopes and Tc99m in the diagnosis of nodular toxic goiter] Kotliarov EV, et al.
Med Radiol (Mosk) 18:11-6, Jan 73 (Eng. Abstr.) **(Rus)**

[Radioisotope study of iodine metabolism by the method of competitive analysis] Zubovskiĭ GA, et al.
Med Radiol (Mosk) 18:16-22, Jan 73 (Eng. Abstr.) **(Rus)**

[Comparative clinico-morphological characteristics of endemic goiter in Amur district] Grigor'ev PIa, et al.
Vestn Khir 109:37-40, Jan 73 (Eng. Abstr.) **(Rus)**

STANDARDS

I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al.
Rocky Mt Med J 70:39-41, Apr 73

VETERINARY

[Determination of thyroid function in cattle by the T3-in-vitro test] Schneider F, et al.
Schweiz Arch Tierheilkd 115:135-41, Mar 73 (Eng. Abstr.) **(Ger)**

THYROIDECTOMY

Electromyography in motor disorders of the larynx. Haglund S, et al.
Acta Otolaryngol (Stockh) 75:366-7, Apr 73

Thyroid acropachy. Thomas J, et al.
Am J Dis Child 125:745-6, May 73

The effect of thyroidectomy on pancreatic exocrine secretion. Kaynan A, et al.
Am J Gastroenterol 59:336-9, Apr 73

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. **Am J Vet Res** 34:535-8, Apr 73

Poorly differentiated neoplasms of the thyroid gland. Thomas CG Jr, et al. **Ann Surg** 177:832-42, May 73

The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al.
Arch Biochem Biophys 154:566-74, Feb 73

The many facets of secondary hyperparathyroidism. Bali JH, et al. Arch Intern Med 131:746-9, May 73

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73

Thyroid gland in the management of laryngopharyngeal cancer. Harrison DF. Arch Otolaryngol 97:301-2, Apr 73

Plasma protein biosynthesis in different thyroid states. Nadkarni GD, et al. Biochem Med 7:226-34, Apr 73

The effect of thyroid status on nitrogen balance and the rate of wound healing after injury in rats. Lennox J, et al. Br J Surg 60:309, Apr 73

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al. Endocrinology 92:1328-33, May 73

Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al. Endocrinology 92:775-87, Mar 73

Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. Endocrinology 92:769-74, Mar 73

Effect of calcitonin and calcium infusion on plasma phosphate. Talmage RV, et al. Endocrinology 92:792-8, Mar 73

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al. Endokrinologie 61:132-9, 1973

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al. Gen Comp Endocrinol 20:342-6, Apr 73

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al. J Clin Invest 52:796-804, Apr 73

Inhibition of bone matrix formation, mineralization, and resorption in thyroparathyroidectomized rats. Wergedal J, et al. J Clin Invest 52:1052-8, May 73

Effect of porcine, salmon and human calcitonin on urinary excretion of some electrolytes in sheep. Barlet JP. J Endocrinol 55:153-61, Oct 72

Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK. J Endocrinol 56:295-301, Feb 73

A new operation for bilateral abductor paralysis. Barbary AS, et al. J Laryngol Otol 87:387-95, Apr 73

Total thyroidectomy for the treatment of Graves' disease in children. Altman RP. J Pediatr Surg 8:295-300, Apr 73

Effects of thyroparathyroidectomy on implantation and early gestation in rats. Baksi SN. J Reprod Fertil 32:513-6, Mar 73

The recurrent laryngeal nerve and thyroidectomy. Hoil-Allen RT. Lancet 809:933, 28 Apr 73

The recurrent laryngeal nerve and thyroidectomy. Riddell V. Lancet 813:1190, 23 May 73

Protection of the recurrent of the recurrent laryngeal nerve. Rosswick RP. Lancet 1:772-3, 7 Apr 73

Free fatty acid metabolism during stress: exercise, acute cold exposure, and anaphylactic shock. Paul P, et al. Lipids 8:142-50, Mar 73

Indications for thyroidectomy. Sanfelippo PM, et al. Mayo Clin Proc 48:269-72, Apr 73

Management of uncontrolled thyroid carcinoma. Sabatini DE. Med Ann DC 42:125-8, Mar 73

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. Medicine (Baltimore) 52:141-71, Mar 73

Pulmonary metastases from differentiated thyroid carcinoma demonstrable only by nuclear imaging. Bonte FJ, et al. Radiology 107:585-90, Jun 73

Steady state glucose dynamics in hyperthyroid rabbits. Marecek RL, et al. Res Commun Chem Pathol Pharmacol 5:493-504, Mar 73

Thyroid disease in the Johannesburg urban Bantu. Samson ID. S Afr J Surg 10:167-70, Sep 72

Toward fewer complications in surgery. Colcock BP. Surg Clin North Am 53:485-93, Apr 73

Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:169-74, Feb 73

Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

The continuing development of the technique of thyroidectomy. Thompson NW, et al. Surgery 73:913-27, Jun 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. Trans Assoc Am Physicians 85:295-308, 1972

[Analysis of the effectiveness of acupuncture anesthesia in thyroidectomy] Chin Med J 3:74-7, 1973 (Eng. Abstr.) (Chi)

[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al. Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) (Cze)

[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al. Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Elevation of IgM and IgG immunoglobulins and ophthalmopathic reaction after intake of triiodothyronine in a thyroidectomized Graves' disease patient. Reversible rupture of the autoimmune equilibrium and the Arthus phenomenon] Mahaux JE, et al. Ann Endocrinol (Paris) 33:86-91, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)

[Paralysis of dilatators of the glottis. Diagnostic and therapeutic problems. Apropos of 3 cases] Beaufils F, et al. Ann Otolaryngol Chir Cervicofac 89:538-43, Sep 72 (Fre)

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Del Conte E. Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Erythroidic response to erythropoietin in thyroid deficient rats] Barrio Rendo ME. C R Soc Biol (Paris) 166:1215, 1972 (Fre)

[Surgical treatment of hyperthyroidism] Reynier J. Cah Med 13:1251-6, 30 Dec 72 (Fre)

[Medical treatment and therapeutic indications in hyperthyroidism] Vague J. Cah Med 13:1257-62, 30 Dec 72 (Fre)

[Hyperthyroidism] Cah Med 13:1133-220, 30 Dec 72 (Fre)

[Arteriovenous fistulas in thyroid nodules] Guinet P, et al. Rev Fr Endocrinol Clin 13:245-64, May-Jun 72 (Eng. Abstr.) (Fre)

[Hyperthyroidism and thyroid cancer] Guinet P, et al. Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)

[Upper oesophageal varices due to thyroid enlargement] Lagemann K. Fortschr Geb Roentgenstr Nuklearmed 118:440-5, 1973 (Eng. Abstr.) (Ger)

[Changes in bone mineralization due to thyroid diseases. Measurement of bone density and thickness using a 125 I profile scanner] Grehn S, et al. Med Klin 68:306-9, 9 Mar 73 (Eng. Abstr.) (Ger)

[Selective strumectomy] Gemsenjäger E. Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)

[Role of surgery in the treatment of thyroid diseases] Pulin A, et al. Minerva Chir 28:301-6, 28 Feb 73 (Ita)

[Dental extraction wound healing after thyroparathyroidectomy. Histological study in rats] Gosuen LC, et al. Rev Bras Pesqui Med Biol 5:229-35, Sep-Dec 72 (Eng. Abstr.) (Por)

[Basedow's disease with malignant exophthalmos treated with radioactive total thyroidectomy] Stancu H, et al. Stud Cercet Endocrinol 24:231-3, 1973 (Rum)

[Development of primary diffuse toxic goiter in a patient previously subjected to surgery for euthyroid nodular goiter] Cheren'ko MP. Klin Khir 9:72-3, Sep 72 (Rus)

[Sodium and potassium concentration in patients treated for thyrotoxicosis] Lakiza VV. Klin Khir 9:73-6, Sep 72 (Rus)

[Surgical treatment of toxic goiter] Skripnichenko DF, et al. Klin Khir 1:59-63, Nov 72 (Rus)

[Surgical intervention on the thyroid gland in lymphogranulomatosis] Apasov GN, et al. Vestn Khir 109:29-33, Jan 73 (Eng. Abstr.) (Rus)

[Surgical treatment of toxic goiter] Zakharova GN, et al. Vestn Khir 109:33-6, Jan 73 (Eng. Abstr.) (Rus)

[Study of post-total thyroidectomy thyroid remnants by scintiligraphy (112 cases)] Mendoza G, et al. **Rev Clin Esp** 128:513-6, 31 Mar 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Vocal cord palsies following surgery for benign non-toxic goitre. Widström A. **Acta Otolaryngol (Stockh)** 75:370-1, Apr 73

Hypocalcemia following thyroidectomy. Bob HB. **Del Med J** 45:125-7, May 73

[Etiology of idiopathic femur head necrosis] Dürrschmidt V. **Beitr Orthop Traumatol** 20:86-91, Feb 73 (Ger)

[Masked hyperthroid crisis] Heberling HJ, et al. **Z Gesamte Inn Med** 28:75-8, 1 Feb 73 (Eng. Abstr.) (Ger)

[Etiology of Zenker's esophageal diverticula] Mathie F, et al. **Zentralbl Chir** 98:200-4, 9 Feb 73 (Ger)

II. Disorders of the Thyroid Gland

CRETINISM

CLASSIFICATION

Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72

DRUG THERAPY

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. Am J Dis Child 125:612-3, Apr 73

FAMILIAL & GENETIC

Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72

METABOLISM

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. Am J Dis Child 125:612-3, Apr 73

GOITER

The solitary thyroid nodule. Brooks JR.
Am J Surg 125:477-81, Apr 73
Grades of hypothyroidism. Fowler PB, et al.
Br Med J 2:178, 21 Apr 73
Ascher's syndrome. Report of a case. Papanayotou PH, et al. Oral Surg 35:467-71, Apr 73
[Endothoracic goiters] Roenspies U, et al.
Rev Med Suisse Romande 93:75-93, Feb 73 (Fre)

BLOOD

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73

CHEMICALLY INDUCED

Morphometric and electron microscopic studies of goiter induced by lithium in the rat. Heitne CE, et al.
Am J Anat 136:297-303, Mar 73
Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al.
Proc Soc Exp Biol Med 142:776-80, Mar 73

CLASSIFICATION

Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72
[Endothoracic goiters] Roenspies U, et al.
Rev Med Suisse Romande 93:75-93, Feb 73 (Fre)

COMPLICATIONS

Thyroid disease in pregnancy. Caleel GT.
J Am Osteopath Assoc 72:635-7, Feb 73
[The mechanism of apnea in the Pickwickian syndrome] Duron B, et al.
Bull Physiopathol Respir (Nancy) 8:1277-88, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Clinical aspects of hyperthyroidism] Linquette M.
Cah Med 13:1223-6, 30 Dec 72 (Fre)
[Upper oesophageal varices due to thyroid enlargement] Lagemann K.
Fortschr Geb Roentgenstr Nuklearmed 118:440-5, 1973 (Eng. Abstr.) (Ger)
[Tracheal stenosis caused by benign struma in old age] Welleschik B.
Monatsschr Ohrenheilkd Laryngorhinol 107:25-8, Jan 73 (Eng. Abstr.) (Ger)
[Thyrotoxic myopathy] Levy M, et al.
Harefuah 83:422-4, 15 Nov 72 (Eng. Abstr.) (Heb)
[Familial goiter accompanying ambiyacousia and idiocy] Yoshimura M, et al.
Clin Endocrinol (Tokyo) 21:187-91, Feb 73 (Jap)
[Relationship between goiter hyperthyroidization and urbanization] Bălan M, et al.
Stud Cercet Endocrinol 24:221-4, 1973 (Rum)

CONGENITAL

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

DIAGNOSIS

Thyroxine "addicts". Harvey RF.
Br Med J 2:35-6, 7 Apr 73
Computer-aided differential diagnosis of goitres in internal medicine. Bouckaert A, et al.
Int J Biomed Comput 4:1-17, Jan 73
Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73
[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Endothoracic goiters] Roenspies U, et al.
Rev Med Suisse Romande 93:75-93, Feb 73 (Fre)
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)
[Scintiligraphic diagnosis] Medeiros Neto GA de.
Rev Assoc Med Bras 19:127-8, Mar 73 (Por)
[Clinical value of non-contrast roentgen studies in the diagnosis of thyroid gland diseases] Bukhman AI, et al.
Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Echography of the thyroid gland] Lorente Sahuquillo D, et al.
Rev Iber Endocrinol 20:45-69, Jan-Feb 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73
Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73
["Entrapment" hyperthyroidism resulting from thyroid opotherapy] Visscher M de.
Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al.
Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)
[Prevention of goiter recurrence and ovulation inhibitors] Scriba PC. Med Klin 68:159, 2 Feb 73 (Ger)

EMBRYOLOGY

[Endothoracic goiters] Roenspies U, et al.
Rev Med Suisse Romande 93:75-93, Feb 73 (Fre)

ETIOLOGY

Renal disease and goitre: a new syndrome of primary amyloidosis. Cooke RA, et al.
Aust Paediatr J 8:250-4, Oct 72
[Endothoracic goiters] Roenspies U, et al.
Rev Med Suisse Romande 93:75-93, Feb 73 (Fre)
[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al.
Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73

[Pendred's syndrome. Apropos of 2 familial cases] Velde-Staquet MF van de, et al. Lille Med 17:1249-55, Oct 72 (Fre)

[Familial goiter accompanying amhiyacousia and idiocy] Yoshimura M, et al. Clin Endocrinol (Tokyo) 21:187-91, Feb 73 (Jap)

HISTORY

Early photography, goitre, and James Inglis. (Inglis J), Wilson GM. Br Med J 2:104-5, 14 Apr 73

IMMUNOLOGY

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. Lancet 808:855-7, 21 Apr 73

METABOLISM

Non-toxic goitre. Dyshormonogenesis. Angerbaek H. Acta Endocrinol (Kbh) 72:671-83, Apr 73

[Present problems in biological exploration of thyroid disease] Guinet P. Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Morphometric and electron microscopic studies of goiter induced hy lithium in the rat. Heitne CE, et al. Am J Anat 136:297-303, Mar 73

[Cystoradiography in struma] Mersten A, et al. Cesk Radiol 27:82-4, Mar 73 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

[Present problems in biological exploration of thyroid disease] Guinet P. Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

[Familial goiter accompanying amhiyacousia and idiocy] Yoshimura M, et al. Clin Endocrinol (Tokyo) 21:187-91, Feb 73 (Jap)

RADIOGRAPHY

Ascher's syndrome. Report of a case. Papanayotou PH, et al. Oral Surg 35:467-71, Apr 73

[Tracheal stenosis caused by benign struma in old age] Welleschik B. Monatsschr Ohrenheilkd Laryngorhinol 107:25-8, Jan 73 (Eng. Abstr.) (Ger)

[Cystoradiography in struma] Mersten A, et al. Cesk Radiol 27:82-4, Mar 73 (Eng. Abstr.) (Slo)

SURGERY

Vocal cord palsies following surgery for benign non-toxic goitre. Widström A. Acta Otolaryngol (Stockh) 75:370-1, Apr 73

Indications for thyroidectomy. Sanfelippo PM, et al. Mayo Clin Proc 48:269-72, Apr 73

[Endothoracic goiters] Roenspies U, et al. Rev Med Suisse Romande 93:75-93, Feh 73 (Fre)

[Tracheal stenosis caused by benign struma in old age] Welleschik B. Monatsschr Ohrenheilkd Laryngorhinol 107:25-8, Jan 73 (Eng. Abstr.) (Ger)

[Selective strumectomy] Gemsenjäger E. Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)

[Etiology of Zenker's esophageal diverticula] Mathie F, et al. Zentralbl Chir 98:200-4, 9 Feh 73 (Ger)

[Role of surgery in the treatment of thyroid diseases] Pulin A, et al. Minerva Chir 28:301-6, 28 Feh 73 (Ita)

[Hydroxyproline in urine of patients with hyperthyroidism treated surgically] Kruze D, et al. Pol Arch Med Wewn 50:251-7, Mar 73 (Eng. Abstr.) (Pol)

[Recurrence of simple goiter] Zwykielski G, et al. Pol Przegl Chir 45:317-21, Mar 73 (Eng. Abstr.) (Pol)

GOITER, ENDEMIC

[Etiologic factors of endemic goiter and problems of its prevention in Slovakia] Podoba J. Bratisl Lek Listy 59:385-96, Apr 73 (Eng. Abstr.) (Slo)

BLOOD

Peripheral metaholism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to ohesity). Feit V, et al. Endokrinologie 61:65-74, 1973

COMPLICATIONS

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to ohesity). Feit V, et al. Endokrinologie 61:65-74, 1973

DIAGNOSIS

[Comparative clinico-morphological characteristics of endemic goiter in Amur district] Grigor'ev PIa, et al. Vestn Khir 109:37-40, Jan 73 (Eng. Abstr.) (Rus)

ETIOLOGY

Studies of the effect of salt iodization on endemic goiter in Taiwan. IV. A survey of drinking-water in relation to endemic goiter. Sung FC, et al. J Formosan Med Assoc 72:96-103, Feh 73

[Etiologic factors of endemic goiter and problems of its prevention in Slovakia] Podoba J. Bratisl Lek Listy 59:385-96, Apr 73 (Eng. Abstr.) (Slo)

HISTORY

Some aspects of the history of dietetics. Todhunter EN. World Rev Nutr Diet 18:1-46, 1973

METABOLISM

Peripheral metabolism of thyroxine and triiodothy•onine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to ohesity). Feit V, et al. Endokrinologie 61:65-74, 1973

OCCURRENCE

Studies of the effect of salt iodization on endemic goiter in Taiwan. IV. A survey of drinking-water in relation to endemic goiter. Sung FC, et al. J Formosan Med Assoc 72:96-103, Feh 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

[Iodine content of drinking water in the endemic goiter area of South Baden. Relationship to the geological structure of soil strata, geographical factors, severity of endemic goiter and diurnal renal iodine excretion] Mertz DP, et al. Schweiz Med Wochenschr 103:550-6, 14 Apr 73 (Eng. Abstr.) (Ger)

[Endemic goiter in Las Hurdes. I. Incidence of goiter among the school and preschool populations] Escobar del Rey F, et al. Rev Clin Esp 128:101-6, 31 Jan 73 (Eng. Abstr.) (Spa)

[Etiologic factors of endemic goiter and problems of its prevention in Slovakia] Podoba J. Bratisl Lek Listy 59:385-96, Apr 73 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

PREVENTION & CONTROL

[Etiologic factors of endemic goiter and problems of its prevention in Slovakia] Podoba J. Bratisl Lek Listy 59:385-96, Apr 73 (Eng. Abstr.) (Slo)

URINE

[Iodine content of drinking water in the endemic goiter area of South Baden. Relationship to the geological structure of soil strata, geographical factors, severity of endemic goiter and diurnal renal iodine excretion] Mertz DP, et al. Schweiz Med Wochenschr 103:550-6, 14 Apr 73 (Eng. Abstr.) (Ger)

GOITER, EXOPHTHALMIC

[Basedow's disease. Physiopathological survey] Rivière J, et al. **Bord Med** 5:2309-10, Nov 72 **(Fre)**

[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH. **Tidsskr Nor Laegeforen** 92:2208-14, 20 Nov 72 (Eng. Abstr.) **(Nor)**

[Development of primary diffuse toxic goiter in a patient previously subjected to surgery for eutbyroid nodular goiter] Cheren'ko MP. **Klin Khir** 9:72-3, Sep 72 **(Rus)**

[Diffuse toxic goiter] Spesivtseva VG. **Med Sestra** 32:3-8, Feb 73 **(Rus)**

BLOOD

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al. **Endokrinologie** 61:52-64, 1973

New in vitro tests to detect tbe thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in buman thyroid slices. Onaya T, et al. **J Clin Endocrinol Metab** 36:859-66, May 73

Radioimmunoassay for measurement of thyroglobulin in human serum. Van Herle AJ, et al. **J Clin Invest** 52:1320-7, Jun 73

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. **Ann Med Interne (Paris)** 123:937-40, Nov 72 **(Fre)**

[Triiodotbyronine-thyrotoxicosis] Lande G, et al. **Tidsskr Nor Laegeforen** 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

[Fibrin-stabilizing factor XIII, fibrinase, and its importance in the surgical clinic] Turovets IG, et al. **Klin Khir** 1:50-4, Nov 72 **(Rus)**

CHEMICALLY INDUCED

["Entrapment" byperthyroidism resulting from tbyroid opotherapy] Visscber M de. **Ann Endocrinol (Paris)** 33:83-5, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Neonatal hyperthyroidism. Orbeck H. **Acta Paediatr Scand** 62:313-6, May 73

[Hyperthyroidism with galactorrhoea and amenorrhea] Arroyo H, et al. **Ann Endocrinol (Paris)** 33:49-52, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Elevation of IgM and IgG immunoglobulins and ophthalmopathic reaction after intake of triiodothyronine in a thyroidectomized Graves' disease patient. Reversible rupture of tbe autoimmune equilibrium and the Arthus phenomenon] Mabaux JE, et al. **Ann Endocrinol (Paris)** 33:86-91, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Myasthenia, vitiligo, Basedow's disease] Boudin C, et al. **Ann Med Interne (Paris)** 123:861-4, Oct 72 **(Fre)**

[Hyperthyroidism] **Cah Med** 13:1133-220, 30 Dec 72 **(Fre)**

[Hyperthyroidism and thyroid cancer] Guinet P, et al. **Rev Fr Endocrinol Clin** 13:199-227, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Work capacity and hyperthyroid goiter] Bekhtereva EI. **Klin Khir** 9:68-70, Sep 72 **(Rus)**

DIAGNOSIS

Effect of syntbetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. **Aust NZ J Med** 2:366-75, Nov 72

Computer-aided differeutial diagnosis of goitres in internal medicine. Bouckaert A, et al. **Int J Biomed Comput** 4:1-17, Jan 73

[Myasthenia, vitiligo, Basedow's disease] Boudin C, et al. **Ann Med Interne (Paris)** 123:861-4, Oct 72 **(Fre)**

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. **Ann Med Interne (Paris)** 123:937-40, Nov 72 **(Fre)**

[Biological investigation in hyperthyroidism] Guinet P. **Cah Med** 13:1235-42, 30 Dec 72 **(Fre)**

[Hyperthyroidism and thyroid cancer] Guinet P, et al. **Rev Fr Endocrinol Clin** 13:199-227, May-Jun 72 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al. **Sem Hop Paris** 49:325-7, 26 Jan 73 (Eng. Abstr.) **(Fre)**

[Triiodothyronine-thyrotoxicosis] Lande G, et al. **Tidsskr Nor Laegeforen** 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

[Work capacity and hyperthyroid goiter] Bekhtereva EI. **Klin Khir** 9:68-70, Sep 72 **(Rus)**

DRUG THERAPY

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al. **Endokrinologie** 61:52-64, 1973

Total thyroidectomy for the treatment of Graves' disease in children. Altman RP. **J Pediatr Surg** 8:295-300, Apr 73

[Elevation of IgM and IgG immunoglobulins and ophthalmopathic reaction after intake of triiodothyronine in a thyroidectomized Graves' disease patient. Reversible rupture of tbe autoimmune equilibrium and the Arthus phenomenon] Mahaux JE, et al. **Ann Endocrinol (Paris)** 33:86-91, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Medical treatment and therapeutic indications in hyperthyroidism] Vague J. **Cah Med** 13:1257-62, 30 Dec 72 **(Fre)**

[Hypothyroidism following treatment of hyperthyroidism with radioactive iodine (I 131)] Gasiorowski W, et al. **Minerva Med** 64:425-8, 24 Feb 73 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Triiodothyronine-thyrotoxicosis] Lande G, et al. **Tidsskr Nor Laegeforen** 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

FAMILIAL & GENETIC

Inheritance of byperthyroidism. **Br Med J** 2:5-8, 7 Apr 73

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. **Ann Med Interne (Paris)** 123:937-40, Nov 72 **(Fre)**

[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al. **Sem Hop Paris** 49:325-7, 26 Jan 73 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cell-mediated immunity in thyroid disease. Farid NR, et al. **Br Med J** 1:677, 17 Mar 73

[Elevation of IgM and IgG immunoglobulins and ophtbalmopathic reaction after intake of triiodothyronine in a thyroidectomized Graves' disease patient. Reversible rupture of the autoimmune equilibrium and tbe Arthus phenomenon] Mahaux JE, et al. **Ann Endocrinol (Paris)** 33:86-91, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

METABOLISM

[Elevation of IgM and IgG immunoglobulins and ophthalmopathic reaction after intake of triiodothyronine in a thyroidectomized Graves' disease patient. Reversible rupture of the autoimmune equilibrium and the Artbus phenomenon] Mahaux JE, et al. **Ann Endocrinol (Paris)** 33:86-91, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al. **Folia Endocrinol (Roma)** 26:57-70, Feb 73 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Characteristics of surgical cases of thyroid diseases in the aged] Kuwabara S. **Jap J Geriatr** 10:6-8, Jan 73 **(Jap)**

SURGERY

Total thyroidectomy for tbe treatment of Graves' disease in children. Altman RP. **J Pediatr Surg** 8:295-300, Apr 73

Indications for thyroidectomy. Sanfelippo PM, et al. **Mayo Clin Proc 48:269-72, Apr 73**
[Surgical treatment of hyperthyroidism] Reynier J. **Cah Med 13:1251-6, 30 Dec 72 (Fre)**
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J. **Cah Med 13:1257-62, 30 Dec 72 (Fre)**
[Selective strumectomy] Gemsenjäger E. **Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)**
[Work capacity and hyperthyroid goiter] Bekhtereva EI. **Klin Khir 9:68-70, Sep 72 (Rus)**
[Surgical treatment of toxic goiter] Skripnichenko DF, et al. **Klin Khir 1:59-63, Nov 72 (Rus)**

THERAPY

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. **Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)**
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J. **Cah Med 13:1257-62, 30 Dec 72 (Fre)**
[Basedow's disease with malignant exophthalmos treated with radioactive total thyroidectomy] Stancu H, et al. **Stud Cercet Endocrinol 24:231-3, 1973 (Rum)**

URINE

Urinary excretion of cyclic-3',5'-adenosine monophosphate in hyperthyroidism. Lin T, et al. **J Clin Endocrinol Metab 36:1033-6, May 73**

GOITER, NODULAR

COMPLICATIONS

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc 48:273-5, Apr 73**
[Hyperthyroidism] **Cah Med 13:1133-220, 30 Dec 72 (Fre)**
[Arteriovenous fistulas in thyroid nodules] Guinet P, et al. **Rev Fr Endocrinol Clin 13:245-64, May-Jun 72 (Eng. Abstr.) (Fre)**

DIAGNOSIS

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc 48:273-5, Apr 73**
[Biological investigation in hyperthyroidism] Guinet P. **Cah Med 13:1235-42, 30 Dec 72 (Fre)**
[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jafflol C, et al. **Sem Hop Paris 49:325-7, 26 Jan 73 (Eng. Abstr.) (Fre)**
[Scintillographic diagnosis] Medeiros Neto GA. **Rev Assoc Med Bras 19:77-8, Feb 73 (Por)**
[Quantitative evaluation of endogenous stimulation by accumulated I-131 isotopes and Tc99m in the diagnosis of nodular toxic goiter] Kotlarov EV, et al. **Med Radiol (Mosk) 18:11-6, Jan 73 (Eng. Abstr.) (Rus)**

DRUG THERAPY

[Medical treatment and therapeutic indications in hyperthyroidism] Vague J. **Cah Med 13:1257-62, 30 Dec 72 (Fre)**

PHYSIOPATHOLOGY

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc 48:273-5, Apr 73**
[Quantitative evaluation of endogenous stimulation by accumulated I-131 isotopes and Tc99m in the diagnosis of nodular toxic goiter] Kotlarov EV, et al. **Med Radiol (Mosk) 18:11-6, Jan 73 (Eng. Abstr.) (Rus)**

RADIOGRAPHY

[Clinical value of non-contrast roentgen studies in the diagnosis of thyroid gland diseases] Bukhman AI, et al. **Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Eng. Abstr.) (Rus)**

SURGERY

Indications for thyroidectomy. Sanfelippo PM, et al. **Mayo Clin Proc 48:269-72, Apr 73**
Thyroid disease in the Johannesburg urban Bantu. Samson ID. **S Afr J Surg 10:167-70, Sep 72**
[Surgical treatment of hyperthyroidism] Reynier J. **Cah Med 13:1251-6, 30 Dec 72 (Fre)**
[Development of primary diffuse toxic goiter in a patient previously subjected to surgery for euthyroid nodular goiter] Cheren'ko MP. **Klin Khir 9:72-3, Sep 72 (Rus)**

GOITER, SUBSTERNAL

COMPLICATIONS

[Current problems in endothoracic goiters] Coman C, et al. **J Fr Med Chir Thorac 26:349-61, Jul-Aug 72 (Fre)**

DIAGNOSIS

[Current problems in endothoracic goiters] Coman C, et al. **J Fr Med Chir Thorac 26:349-61, Jul-Aug 72 (Fre)**
[Constitutional blood vessel anomalies of the aortic arch. Diagnostic and differential diagnostic considerations] Goerttler U. **Bruns Beitr Klin Chir 220:163-78, Apr 73 (Eng. Abstr.) (Ger)**

SURGERY

[Current problems in endothoracic goiters] Coman C, et al. **J Fr Med Chir Thorac 26:349-61, Jul-Aug 72 (Fre)**

HYPERTHYROIDISM

Diseases of the dermis. General considerations. Achten G. **Arch Belg Dermatol Syphiligr 28:1-13, Jan-Mar 72**
[Hyperthyroidism] **Cah Med 13:1133-220, 30 Dec 72 (Fre)**
[Hyperthyroidism] Smiéjan JM. **Soins 17:7-13, Sep-Oct 72 (Fre)**
[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijalya K, et al. **Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)**
[Denticles in thyrotoxicosis (a clinical-experimental study)] Efremov MA. **Stomatologiia (Mosk) 52:13-6, Jan-Feb 73 (Eng. Abstr.) (Rus)**

BLOOD

Radioimmunoassay and its application in the measurement of triiodothyronine. Brown ML. **Am J Hosp Pharm 30:336-9, Apr 73**
Free amino acid patterns of plasma, erythrocytes and leucocytes in hypoproteinaemia. Gupta M, et al. **Br J Nutr 29:151-7, Mar 73**
Radioimmunoassay of triiodothyronine in unextracted human serum. Hesch RD, et al. **Br Med J 1:645-8, 17 Mar 73**
Hypocalcemia following thyroidectomy. Bob HB. **Del Med J 45:125-7, May 73**
New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al. **J Clin Endocrinol Metab 36:859-66, May 73**
Radioimmunoassay for measurement of thyroglobulin in human serum. Van Herle AJ, et al. **J Clin Invest 52:1320-7, Jun 73**
Evaluation of serum thyroxine by radioimmunoassay. Beckers C, et al. **J Nucl Med 14:317-20, Jun 73**
Measurement of serum thyroxine by the Tetralute procedure: the effect of 131 I and 99m Tc administration. Blum M, et al. **J Nucl Med 14:279-82, May 73**
Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML. **J Nucl Med 14:336-40, Jun 73**
Triglyceride metabolism in hyperthyroidism. Jacobsen BB. **Lancet 813:1190-1, 23 May 73**
Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians 85:295-308, 1972**
[Influence of trimepranol on somatotropin, insulin, glucose and on serum free fatty acids in thyrotoxicosis] Feit V, et al. **Vnitr Lek 19:374-8, Apr 73 (Eng. Abstr.) (Cze)**
[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G. **Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) (Fre)**

[Influence of thyrostatic therapy on plasma free fatty acids in patients with decompensated diffuse hyperthyreosis] Morgner KD.
Med Klin 68:310-2, 9 Mar 73 (Eng. Abstr.) (Ger)
[Metaholic studies on radioiodinated IgG and albumin. II. Characteristics of IgG and alhumin metaholism in various diseases] Iio A.
Acta Haematol Jap 35:193-204, Apr 72 (Eng. Ahstr.) (Jap)

CHEMICALLY INDUCED

Hyperthyroidism as a possihle complication of the treatment of ischemic heart disease with amiodarone. Jonckheer MH, et al.
Acta Cardiol (Brux) 28:192-200, 1973
The effect of preoperative surgical scruhhing with povidone iodine on urinary iodine levels. Connolly RJ, et al. Aust NZ J Surg 42:94-5, Aug 72
The influence of thyroid hormones on the activities of the certain enzymes in rat aorta at a high-fat diet. Janda J, et al. Cor Vasa 15:70-9, 1973
Accelerated postnatal development of D(-)--hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the hrain in hyperthyroidism. Grave GD, et al. J Neurochem 20:495-501, Feh 73
[Comparative effects of underfeeding, hypothyroidism and hyperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the young rat] Rehière A, et al.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Ahstr.) (Fre)

CLASSIFICATION

Discriminant value of thyroid function tests. Barnett DB, et al. Br Med J 2:144-7, 21 Apr 73
Grades of hypothyroidism. Fowler PB, et al.
Br Med J 2:178, 21 Apr 73

COMPLICATIONS

Clinical findings in patients with hypercalcaemia. A preliminary investigation hased on biochemical screening. Heedman PA, et al.
Acta Med Scand 193:167-73, Mar 73
Thyroid acropachy. Thomas J, et al.
Am J Dis Child 125:745-6, May 73
Apathetic hyperthyroidism presenting as tricuspid regurgitation. Dougherty MJ, et al.
Chest 63:767-72, May 73
Thyroid disease in pregnancy. Caleei GT.
J Am Osteopath Assoc 72:635-7, Feh 73
Unusual ahnormal X chromosome in hyperthyroidism and Turner's syndrome. Chang JC, et al.
NY State J Med 73:1101-4, 1 May 73
Human relations: the uncontrolled variahle in douhle-hlind clinical trials. Bagley C, et al.
Res Commun Chem Pathol Pharmacol 5:529-37, Mar 73
Idiopathic thromhocytopenic purpura associated with hyperthyroidism. Takeda R, et al.
South Med J 66:553-6, May 73
[Hyperthyroidism with galactorrhoea and amenorrhea] Arroyo H, et al.
Ann Endocrinol (Paris) 33:49-52, Jan-Feh 72 (Eng. Ahstr.) (Fre)
[Cardiothyrotoxicosis] Broustet JP.
Bord Med 5:2317-21, Nov 72 (Fre)
[Clinical aspects of hyperthyroidism] Linquette M.
Cah Med 13:1223-6, 30 Dec 72 (Fre)
[Cardiothyrosis] Pernod J, et al.
Cah Med 13:1227-33, 30 Dec 72 (Fre)
[Surgical treatment of hyperthyroidism] Reynier J.
Cah Med 13:1251-6, 30 Dec 72 (Fre)
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J.
Cah Med 13:1257-62, 30 Dec 72 (Fre)
[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Hyperthyroidism and thyroid cancer] Guinet P, et al.
Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Ahstr.) (Fre)
[Changes in hone mineralization due to thyroid diseases. Measurement of bone density and thickness using a 125 I profile scanner] Grehn S, et al.
Med Klin 68:306-9, 9 Mar 73 (Eng. Ahstr.) (Ger)
[Thyrotoxic oesteopathies] Zweymüller K, et al.
Munch Med Wochenschr 115:548-53, 30 Mar 73 (Eng. Abstr.) (Ger)
[Scintigraphic studies in systemic skeletal diseases] Bessler W. Radiologe 13:117-24, Mar 73 (Ger)
[Pathogenesis and structure of systemic skeletal diseases] Uehlinger E.
Radiologe 13:88-93, Mar 73 (Ger)
[Diabetes and thyrotoxicosis] Kanter Y, et al.
Harefuah 84:211-3, 15 Feh 73 (Eng. Ahstr.) (Heb)
[Thyrotoxic myopathy] Levy M, et al.
Harefuah 83:422-4, 15 Nov 72 (Eng. Ahstr.) (Heb)
[Hemodynamic changes of the heart in hyperthyroidism] Triandaf I, et al.
Stud Cercet Endocrinol 24:203-9, 1973 (Rum)
[Gynecomastia] Scarpa JB.
Rev Clin Esp 128:361-8, 15 Mar 73 (41 ref.) (Spa)
[Coincidence of toxoplasmosis and thyrotoxicosis] Mathernová V, et al.
Bratisl Lek Listy 59:321-7, 1973 (Eng. Abstr.) (Slo)

DIAGNOSIS

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72
Discriminant value of thyroid function tests. Barnett DB, et al. Br Med J 2:144-7, 21 Apr 73
Thyroxine "addicts". Harvey RF.
Br Med J 2:35-6, 7 Apr 73
Diagnosis of thyrotoxicosis. Br Med J 2:131-2, 21 Apr 73
Myasthenia gravis in children and anaesthetic management for thymectomy. Davies DW, et al.
Can Anaesth Soc J 20:253-8, May 73
Apathetic hyperthyroidism presenting as tricuspid regurgitation. Dougherty MJ, et al.
Chest 63:767-72, May 73
Computer-aided differential diagnosis of goitres in internal medicine. Bouckaert A, et al.
Int J Biomed Comput 4:1-17, Jan 73
Thyroid disease in pregnancy. Caleei GT.
J Am Osteopath Assoc 72:635-7, Feh 73
I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al.
Rocky Mt Med J 70:39-41, Apr 73
[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feh 72 (Eng. Ahstr.) (Fre)
[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)
[Clinical aspects of hyperthyroidism] Linquette M.
Cah Med 13:1223-6, 30 Dec 72 (Fre)
[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al.
Sem Hop Paris 49:325-7, 26 Jan 73 (Eng. Abstr.) (Fre)
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)
[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijalya K, et al.
Z Aerzti Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)
[Arterial pressure of thyrotoxicosis patients before and after suhtotal resection of the thyroid gland] Liul'ka AN. Klin Khir 9:40-5, Sep 72 (Rus)
[Comparative clinico-morphological characteristics of endemic goiter in Amur district] Grigor'ev PIa, et al.
Vestn Khir 109:37-40, Jan 73 (Eng. Abstr.) (Rus)
[Echography of the thyroid gland] Lorente Sahuquillo D, et al.
Rev Iber Endocrinol 20:45-69, Jan-Feh 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Neonatal hyperthyroidism. Orbeck H.
Acta Paediatr Scand 62:313-6, May 73
Thyroid acropachy. Thomas J, et al.
Am J Dis Child 125:745-6, May 73
Remission of thyrotoxicosis during treatment with propranolol. McLarty DG, et al.
Br Med J 2:332-4, 12 May 73
Effect of pindolol, a beta receptor antagonist, in hyperthyroidism. Schelling JL, et al.
Clin Pharmacol Ther 14:158-64, Mar-Apr 73
Oxprenolol in thyrotoxicosis. McDevitt DG, et al.
Lancet 1:1004, 5 May 73
Oxprenolol in thyrotoxicosis. Turner P.
Lancet 813:1196, 23 May 73

Prevention of malignant exophthalmos after treatment of thyrotoxicosis. Winand R, et al.
Lancet 813:1196, 23 May 73

Human relations: tbe uncontrolled variable in double-blind clinical trials. Bagley C, et al.
Res Commun Chem Pathol Pharmacol 5:529-37, Mar 73

[Medical treatment and therapeutic indications in hypertbyroidism] Vague J.
Cah Med 13:1257-62, 30 Dec 72 (Fre)

[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)

[Influence of tbyrostatic tberapy on plasma free fatty acids in patients with decompensated diffuse hyperthyreosis] Morgner KD.
Med Klin 68:310-2, 9 Mar 73 (Eng. Ahstr.) (Ger)

[Hyperthyreosis in childhood. II. Therapy] Ijaiya K, et al. Z Aerztl Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)

[The effect of inderal on tbe beart of thyrotoxicosis patients (a clinico-roentgenologic study)] Astapov BM, et al.
Klin Med (Mosk) 50:90-5, Aug 72 (Eng. Abstr.) (Rus)

[The electrocardiogram in the treatment of toxic goiter patients witb tbyrostatic drugs] Greiser AE, et al.
Klin Med (Mosk) 50:95-8, Aug 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

The influence of tbyroid hormones on the activities of the certain enzymes in rat aorta at a higb-fat diet. Janda J, et al. Cor Vasa 15:70-9, 1973

Renal sodium- and potassium-activated adenosine tripbosphatase and sodium reabsorption in the bypothyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73

Accelerated postnatal development of D(-)--hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the brain in hyperthyroidism. Grave GD, et al. J Neurochem 20:495-501, Feb 73

[Hypertbyroidism in childhood. I. Etiology, patbogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

ETIOLOGY

Neonatal byperthyroidism. Orbeck H.
Acta Paedlatr Scand 62:313-6, May 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. Mayo Clin Proc 48:273-5, Apr 73

[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)

[Ectopic bormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Ahstr.) (Fre)

[Hypertbyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

[Relationship between goiter hypertbyroidization and urbanization] Bălan M, et al.
Stud Cercet Endocrinol 24:221-4, 1973 (Rum)

[Primary bypertbyroidism. Angiographic localization of an aberrant paratbyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

[Paraneoplastic syndromes during bronchopulmonary carcinoma (comprebensive review)] Potokar T.
Plucne Bolesti Tuberk 24:244-9, Jul-Sep 72 (16 ref.) (Cro)

FAMILIAL & GENETIC

Inberitance of byperthyroidism.
Br Med J 2:5-6, 7 Apr 73

[Hypertbyroidism in childbood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

IMMUNOLOGY

Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Bános C, et al. Endokrinologie 61:32-6, 1973

Prevention of malignant exopbtbalmos after treatment of thyrotoxicosis. Winand R, et al.
Lancet 813:1196, 23 May 73

[Induction of biologically ineffective byperactivity and hypertrophy of endocrine glands by active immunisation against tbe hormone produced. A new patbogenetic mechanism] Nieschlag E, et al.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Ahstr.) (Ger)

[Hypertbyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

[Hypothyroidism following treatment of hyperthyroidism with radioactive iodine (I 131)] Gasiorowski W, et al.
Minerva Med 64:425-8, 24 Feb 73 (Eng. Ahstr.) (Ita)

METABOLISM

Biosynthesis, organization and degradation of mucopolysaccharides. Winand R.
Arch Belg Dermatol Syphiligr 28:35-40, Jan-Mar 72

Plasma protein biosyntbesis in different tbyroid states. Nadkarni GD, et al. Biochem Med 7:226-34, Apr 73

Peripberal metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Felt V, et al.
Endokrinologie 61:65-74, 1973

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypotbyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73

Accelerated postnatal development of D(-)--hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the brain in hyperthyroidism. Grave GD, et al. J Neurochem 20:495-501, Feb 73

The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J.
J Physiol (Lond) 228:563-82, Feb 73

Steady state glucose dynamics in hyperthyroid rabbits. Marecek RL, et al.
Res Commun Chem Pathol Pharmacol 5:493-504, Mar 73

I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al.
Rocky Mt Med J 70:39-41, Apr 73

[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)

[Present problems in biological exploration of tbyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

[Clinical studies on radio-iodine kinetics and the biological halflife of oral 131 I] Lütgemeier J, et al.
God Zb Med Fak Skopje 118:325-9, Mar 73 (Eng. Abstr.) (Ger)

[Radioisotope studies of calcium and bone metabolism in systemic skeletal diseases] Sack H.
Radiologe 13:125-7, Mar 73 (Ger)

[Adipose tissue in byperthyroidism] Zukowski W, et al.
Pol Tyg Lek 28:438-40, 19 Mar 73 (Eng. Abstr.) (Pol)

OCCURRENCE

[Diabetes and thyrotoxicosis] Kanter Y, et al.
Harefuah 84:211-3, 15 Feb 73 (Eng. Abstr.) (Heb)

PATHOLOGY

The thyroid gland in bypertbyroidism. Sampat MB, et al. Indian J Med Res 60:851-8, Jun 72

PHYSIOPATHOLOGY

Lack of acute effects of thyroid bormones on myocardial contractility. Skelton CL, et al.
Am J Physiol 224:957-62, Apr 73

Furtber evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al.
Biochem Biophys Res Commun 51:512-21, 2 Apr 73

The effect of thyroid status on nitrogen balance and the rate of wound healing after injury in rats. Lennox J, et al. Br J Surg 60:309, Apr 73

The effect of tbyroid state on monophasic action potential in human heart. Cotol S, et al.
Experientia 28:797-8, 15 Jul 72

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in tbe rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972

[Hyperthyroidism with galactorrhoea and amenorrhea] Arroyo H, et al.
Ann Endocrinol (Paris) 33:49-52, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Comparative effects of underfeeding, bypothyroidism and byperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the

young rat] Rehière A, et al.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Abstr.) (Fre)
[Cardiothyrotoxicosis] Broustet JP.
Bord Med 5:2317-21, Nov 72 (Fre)
[Clinical aspects of hyperthyroidism] Linquette M.
Cah Med 13:1223-6, 30 Dec 72 (Fre)
[Cardiothyrosis] Pernod J, et al.
Cah Med 13:1227-33, 30 Dec 72 (Fre)
[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)
[Criteria for the evaluation of myocardial contractility of normal heart muscle. I] Strauer BE.
Klin Wochenschr 51:295-306, 1 Apr 73 (137 ref.) (Eng. Abstr.) (Ger)
[Achilles tendon reflex time in hyperthyroidism, euthyroidism and "autonomic dystonia"] Hirschmann WD, et al. Med Welt 24:725-6, 4 May 73 (Ger)
[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al. Z Aerzti Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)
[Hemodynamic changes of the heart in hyperthyroidism] Triandaf I, et al.
Stud Cercet Endocrinol 24:203-9, 1973 (Rum)
[Arterial pressure of thyrotoxicosis patients before and after subtotal resection of the thyroid gland] Liul'ka AN. Klin Khir 9:40-5, Sep 72 (Rus)

PREVENTION & CONTROL

[Selective strumectomy] Gemsenjäger E.
Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al. Z Aerzti Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

RADIOTHERAPY

Measurement of serum thyroxine by the Tetralute procedure: the effect of 131 I and 99m Tc administration. Blum M, et al.
J Nucl Med 14:279-82, May 73
Iodine-125 therapy for thyrotoxicosis: background and evaluation in 148 patients. McDougall IR, et al.
Strahlentherapie [Sonderb] 72:243-52, 1972
[Results of long-term study of the heart rhythm in patients with thyrotoxicosis and atrial fibrillation treated with radioiodine 131 I] Váňa S, et al.
Cas Lek Cesk 112:391-6, 30 Mar 73 (Eng. Abstr.) (Cze)
[Isotopic treatment of hyperthyroidism] Riviere J.
Cah Med 13:1243-9, 30 Dec 72 (Fre)
[Hyperthyroidism and thyroid cancer] Guinet P, et al.
Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)
[Hyperthyreosis in childhood. II. Therapy] Ijaiya K, et al. Z Aerzti Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)
[Hypothyroidism following treatment of hyperthyroidism with radioactive iodine (I 131)] Gasiorowski W, et al.
Minerva Med 64:425-8, 24 Feb 73 (Eng. Abstr.) (Ita)

SURGERY

Hypocalcemia following thyroidectomy. Boh HB.
Del Med J 45:125-7, May 73
Total thyroidectomy for the treatment of Graves' disease in children. Altman RP.
J Pediatr Surg 8:295-300, Apr 73
Indications for thyroidectomy. Sanfelippo PM, et al.
Mayo Clin Proc 48:269-72, Apr 73
The continuing development of the technique of thyroidectomy. Thompson NW, et al.
Surgery 73:913-27, Jun 73
[Surgical treatment of hyperthyroidism] Reynier J.
Cah Med 13:1251-6, 30 Dec 72 (Fre)
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J.
Cah Med 13:1257-62, 30 Dec 72 (Fre)
[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Etiology of idiopathic femur head necrosis] Dürrschmidt V.
Beitr Orthop Traumatol 20:86-91, Feb 73 (Ger)
[Selective strumectomy] Gemsenjäger E.
Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)
[Hyperthyreosis in childhood. II. Therapy] Ijaiya K, et al. Z Aerzti Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)
[Role of surgery in the treatment of thyroid diseases] Pulin A, et al. Minerva Chir 28:301-6, 28 Feb 73 (Ita)
[Hydroxyproline in urine of patients with hyperthyroidism treated surgically] Kruze D, et al.
Pol Arch Med Wewn 50:251-7, Mar 73 (Eng. Abstr.) (Pol)
[Sodium and potassium concentration in patients treated for thyrotoxicosis] Lakiza VV.
Klin Khir 9:73-6, Sep 72 (Rus)
[Arterial pressure of thyrotoxicosis patients before and after subtotal resection of the thyroid gland] Liul'ka AN. Klin Khir 9:40-5, Sep 72 (Rus)
[Surgical treatment of toxic goiter] Zakharova GN, et al. Vestn Khir 109:33-6, Jan 73 (Eng. Abstr.) (Rus)

THERAPY

The thyroid gland in hyperthyroidism. Sampat MB, et al. Indian J Med Res 60:851-8, Jun 72
[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)
[Cardiothyrosis] Pernod J, et al.
Cah Med 13:1227-33, 30 Dec 72 (Fre)
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J.
Cah Med 13:1257-62, 30 Dec 72 (Fre)
[Hyperthyreosis in childhood. II. Therapy] Ijaiya K, et al. Z Aerzti Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)

URINE

Urinary excretion of cyclic-3',5'-adenosine monophosphate in hyperthyroidism. Lin T, et al.
J Clin Endocrinol Metab 36:1033-6, May 73
[Hydroxyproline in urine of patients with hyperthyroidism treated surgically] Kruze D, et al.
Pol Arch Med Wewn 50:251-7, Mar 73 (Eng. Abstr.) (Pol)

HYPOTHYROIDISM

BLOOD

Grades of hypothyroidism. Evered DC, et al.
Br Med J 1:657-62, 17 Mar 73
Radioimmunoassay of triiodothyronine in unextracted human serum. Hesch RD, et al.
Br Med J 1:645-8, 17 Mar 73
Determination of iodothyronine absorption and conversion of L-thyroxine (T 4) to L-triiodothyronine (T 3) using turnover rate techniques. Surks MI, et al.
J Clin Invest 52:805-11, Apr 73
Evaluation of serum thyroxine by radioimmunoassay. Beckers C, et al. J Nucl Med 14:317-20, Jun 73
Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML.
J Nucl Med 14:336-40, Jun 73
Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972
[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

Influence of experimental hypothyreosis on the inner ear in rats. Femenić B, et al.
Acta Otolaryngol (Stockh) 75:156-8, Feb-Mar 73
[Comparative effects of underfeeding, hypothyroidism and hyperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the young rat] Rehière A, et al.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Abstr.) (Fre)
[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)
[Thyroid insufficiency following amiodarone treatment. 2 new cases] Hazard J, et al.
Nouv Presse Med 2:691-3, 17 Mar 73 (Fre)
[Toxicology of drinking water fluoridation] Strubelt O, et al.

Dtsch Med Wochenschr 98:778-83, 13 Apr 73 (86 ref.) (Ger)

[Hypothyroidism following treatment of hyperthyroidism with radioactive iodine (I 131)] Gasiorowski W, et al.
Minerva Med 64:425-8, 24 Feb 73 (Eng. Abstr.) (Ita)

CLASSIFICATION

Grades of hypothyroidism. Evered DC, et al.
Br Med J 1:657-62, 17 Mar 73

Grades of hypothyroidism. Fowler PB, et al.
Br Med J 2:178, 21 Apr 73

COMPLICATIONS

Hyperlipoproteinaemia in childhood. Lloyd JK.
Aust Paediatr J 8:264-72, Oct 72 (40 ref.)

Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73

Role of structural imbalance in the pathogenesis of renal dysfunction in the hypothyroid rat. Bradley SE, et al. Trans Assoc Am Physicians 85:344-52, 1972

[Achilles tendon reflex in obesity] Vondra K, et al.
Cesk Gastroenterol Vyz 27:136-43, Apr 73 (Eng. Abstr.) (Cze)

[The mechanism of apnea in the Pickwickian syndrome] Duron B, et al.
Bull Physiopathol Respir (Nancy) 8:1277-88, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Primary hillary cirrhosis with scleroderma, Raynaud's syndrome, telangiectasis and thyroid disease] Lichtenstein H, et al.
Sem Hop Paris 49:555-9, 14 Feb 73 (Eng. Abstr.) (Fre)

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

[Changes in bone mineralization due to thyroid diseases. Measurement of bone density and thickness using a 125 I profile scanner] Grehn S, et al.
Med Klin 68:306-9, 9 Mar 73 (Eng. Abstr.) (Ger)

[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al.
Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)

[Growth disturbances in children and therapeutic possibilities] Trygstad O.
Tidsskr Nor Laegeforen 93:520-3, 20 Mar 73 (Eng. Abstr.) (Nor)

[Case of idiopathic thyroid atrophy in a 15-year-old girl] Zarzycki J, et al.
Endokrynol Pol 24:97-102, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al.
Stud Cercet Med Interna 13:551-4, 1972 (Eng. Abstr.) (Rum)

[Hypothyroidism in a girl with a long history of diabetes mellitus] Martynova MI, et al.
Vopr Okhr Materin Det 17:76-8, Nov 72 (Rus)

[Clinical characteristics of the mental deficiency in congenital hypothyreosis in children] Pevzner MS, et al.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Eng. Abstr.) (Rus)

[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

CONGENITAL

Screening for congenital hypothyroidism in the newborn. Ehrlich RM, et al. Lancet 1:1121, 19 May 73

[Pathogenesis of thyroid diseases in children] Vasiukova EA, et al.
Vopr Okhr Materin Det 17:13-6, Nov 72 (Eng. Abstr.) (Rus)

[Clinical characteristics of the mental deficiency in congenital hypothyreosis in children] Pevzner MS, et al.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Eng. Abstr.) (Rus)

DIAGNOSIS

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72

Grades of hypothyroidism. Evered DC, et al.
Br Med J 1:657-62, 17 Mar 73

Screening for congenital hypothyroidism in the newborn. Ehrlich RM, et al. Lancet 1:1121, 19 May 73

I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al.
Rocky Mt Med J 70:39-41, Apr 73

[Thyroid insufficiency following amiodarone treatment. 2 new cases] Hazard J, et al.
Nouv Presse Med 2:691-3, 17 Mar 73 (Fre)

[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)

[Incidence of hypothroidism following percutaneous telecobalt radiotherapy of laryngeal carcinoma] Brase A, et al.
Strahlentherapie 145:147-54, Feb 73 (Eng. Ahstr.) (Ger)

[Fetal and neonatal hypothyroidism] De Matteis F.
Minerva Pediatr 25:175-89, 18 Feb 73 (Eng. Ahstr.) (Ita)

[Clinical characteristics of the mental deficiency in congenital hypothyreosis in children] Pevzner MS, et al.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Eng. Abstr.) (Rus)

[Echography of the thyroid gland] Lorente Sahuquillo D, et al.
Rev Iber Endocrinol 20:45-69, Jan-Feb 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73

The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J.
J Physiol (Lond) 228:563-82, Feb 73

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al.
Pediatrics 51:668-74, Apr 73

[Therapy of hypothyroidism using synthetic thyroid gland hormones] Ruhinjoni Z, et al.
Med Welt 24:415-7, 16 Mar 73 (Ger)

[Clinical characteristics of the mental deficiency in congenital hypothyreosis in children] Pevzner MS, et al.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Eng. Ahstr.) (Rus)

EMBRYOLOGY

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al.
Biol Neonate 21:282-95, 1972

ENZYMOLOGY

Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73

ETIOLOGY

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72

Endocrine studies with empty sella. Brisman R.
J Neurosurg 38:537, Apr 73

Iodine-125 therapy for thyrotoxicosis: background and evaluation in 148 patients. McDougall IR, et al.
Strahlentherapie [Sonderb] 72:243-52, 1972

[Etiology of idiopathic femur head necrosis] Dürrschmidt V.
Beitr Orthop Traumatol 20:86-91, Feb 73 (Ger)

[Clinical and genetic aspects of the lingual thyroid gland] Zabransky S, et al.
Munch Med Wochenschr 115:542-7, 30 Mar 73 (Eng. Abstr.) (Ger)

[Incidence of hypothroidism following percutaneous telecobalt radiotherapy of laryngeal carcinoma] Brase A, et al.
Strahlentherapie 145:147-54, Feb 73 (Eng. Abstr.) (Ger)

[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al.
Stud Cercet Med Interna 13:551-4, 1972 (Eng. Abstr.) (Rum)

FAMILIAL & GENETIC

Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72

METABOLISM

Thyroxine stimulation of amino acid incorporation into mitochondrial protein: differences between in vivo and in vitro effects. Gordon A, et al.
Acta Endocrinol (Kbh) 72:684-96, Apr 73

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. Am J Dis Child 125:612-3, Apr 73

Plasma protein biosynthesis in different thyroid states. Nadkarni GD, et al. Biochem Med 7:226-34, Apr 73

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Feit V, et al.
Endokrinologie 61:65-74, 1973

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73

The influence of oxygen tension, glucose and anaestbesia on the oxygen consumption of the jejunum from normal and hypothyroid rats. Levin RJ, et al. J Physiol (Lond) 230:36P-38P, Apr 73

The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J.
J Physiol (Lond) 228:563-82, Feb 73

Enhancement of the alpha adrenergic response in aorta from hypothyroid rabbits. Rosenqvist U, et al.
Life Sci [I] 11:595-604, 15 Jun 72

Synthesis of free and membrane-bound ribosomal RNA from cerebral cortex in hypothyroid rats during development. Geel SE, et al.
Neurobiology 2:21-30, 1972

Amino acid incorporation in vitro into proteins of cerebral cortex and anterior pituitary gland of developing normal and hypothyroid rats. Szijan I, et al. Neurobiology 2:31-4, 1972

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al.
Pediatrics 51:668-74, Apr 73

I-131 uptake. Revision of normal values for New Mexico. McMahon JE, et al.
Rocky Mt Med J 70:39-41, Apr 73

[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

[Clinical studies on radio-iodine kinetics and the biological halflife of oral 131 I] Lütgemeier J, et al.
God Zb Med Fak Skopje 118:325-9, Mar 73 (Eng. Abstr.) (Ger)

[Radioisotope studies of calcium and bone metabolism in systemic skeletal diseases] Sack H.
Radiologe 13:125-7, Mar 73 (Ger)

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.
Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)

[Acute crisis in endocrine system diseases] Pacyński A.
Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

PATHOLOGY

Influence of experimental hypothyreosis on the inner ear in rats. Femenić B, et al.
Acta Otolaryngol (Stockh) 75:156-8, Feb-Mar 73

Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73

PHYSIOPATHOLOGY

Cerebral responses to flickering light in clinical research. Vítová Z.
Act Nerv Super (Praha) 15:63-9, Mar 73

Lack of acute effects of thyroid hormones on myocardial contractility. Skelton CL, et al.
Am J Physiol 224:957-62, Apr 73

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al.
Biol Neonate 21:282-95, 1972

The effect of thyroid status on nitrogen balance and the rate of wound healing after injury in rats. Lennox J, et al. Br J Surg 60:309, Apr 73

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 2:87-90, 14 Apr 73

The effect of thyroid state on monophasic action potential in human heart. Cotoi S, et al.
Experientia 28:797-8, 15 Jul 72

Role of structural imbalance in the pathogenesis of renal dysfunction in the hypothyroid rat. Bradley SE, et al. Trans Assoc Am Physicians 85:344-52, 1972

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972

[Comparative effects of underfeeding, hypothyroidism and hyperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the young rat] Rebière A, et al.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

[Ophthalmoplethysmography in endocrine diseases] Mitkokh DI, et al.
Probl Endokrinol (Mosk) 19:19-22, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Clinical characteristics of the mental deficiency in congenital hypothyreosis in children] Pevzner MS, et al.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

[Isotopic treatment of hyperthyroidism] Riviere J.
Can Med 13:1243-9, 30 Dec 72 (Fre)

[Protective effects of metformin (NN-dimethylbiguanide) on hypothyroidism and fatty infiltration of the adrenal cortex induced by a cholesterol diet in rabbits] Marquié G, et al.
Pathol Biol (Paris) 21:133-9, Feb 73 (Eng. Abstr.) (Fre)

THERAPY

[The technic of taking and transplanting a thyroid-parathyroid complex to patients suffering thyroid-parathyroid insufficiency] Tochilin VI.
Klin Khir 9:36-40, Sep 72 (Rus)

MYXEDEMA

Diseases of the dermis. General considerations. Achten G. Arch Belg Dermatol Syphiligr 28:1-13, Jan-Mar 72

[Atypical pretibial myxedema] Barbier JM.
Bull Soc Fr Dermatol Syphiligr 79:200, 1972 (Fre)

[Dentomaxillary system in congenital myxedema] Kalinin AP, et al.
Stomatologiia (Mosk) 52:102-3, Mar-Apr 73 (Rus)

BLOOD

[Aspects of lipid metabolism in myxedema before and

after treatment] Paula e Silva P de, et al.
Rev Hosp Clin Fac Med Sao Paulo 28:3-8, Jan-Feb 73 (Eng. Abstr.) (Por)

CHEMICALLY INDUCED

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)
[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Myxedema coma with respiratory failure. Domm BM, et al. Am Rev Respir Dis 107:842-5, May 73
The syndrome of chronic alveolar hypoventilation. Fishman AP.
Bull Physiopathol Respir (Nancy) 8:971-80, Sep-Oct 72
Reversible atrioventricular block in myxedema. Singh JB, et al. Chest 63:582-5, Apr 73
Carpal-tunnel syndrome in patients with myxedematous arthropathy. Frymoyer JW, et al.
J Bone Joint Surg [Am] 55:78-82, Jan 73
Differential diagnosis of chronic respiratory insufficiency. Baum GL.
Med Clin North Am 57:623-35, May 73 (55 ref.)
The management of complications in head and neck surgery. Zarem HA.
Surg Clin North Am 53:191-201, Feb 73
[Therapeutic trial in myxedematous lichen using Primolut-Nor] Grussendorf EI, et al.
Hautarzt 24:37-9, Jan 73 (Ger)

DIAGNOSIS

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 2:87-90, 14 Apr 73
Carpal-tunnel syndrome in patients with myxedematous arthropathy. Frymoyer JW, et al.
J Bone Joint Surg [Am] 55:78-82, Jan 73

DRUG THERAPY

Treatment of the diseases of the dermis. Polano MK.
Arch Belg Dermatol Syphiligr 28:59-73, Jan-Mar 72
Reversible atrioventricular block in myxedema. Singh JB, et al. Chest 63:582-5, Apr 73
[Therapeutic trial in myxedematous lichen using Primolut-Nor] Grussendorf EI, et al.
Hautarzt 24:37-9, Jan 73 (Ger)

IMMUNOLOGY

[Therapeutic trial in myxedematous lichen using Primolut-Nor] Grussendorf EI, et al.
Hautarzt 24:37-9, Jan 73 (Ger)

METABOLISM

Biosynthesis, organization and degradation of mucopolysaccharides. Winand R.
Arch Belg Dermatol Syphiligr 28:35-40, Jan-Mar 72
[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)
[Aspects of lipid metabolism in myxedema before and after treatment] Paula e Silva P de, et al.
Rev Hosp Clin Fac Med Sao Paulo 28:3-8, Jan-Feb 73 (Eng. Abstr.) (Por)

PATHOLOGY

[Atypical pretibial myxedema] Barbier JM.
Bull Soc Fr Dermatol Syphiligr 79:200, 1972 (Fre)

PHYSIOPATHOLOGY

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 2:87-90, 14 Apr 73
[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

THERAPY

Myxedema coma with respiratory failure. Domm BM, et al. Am Rev Respir Dis 107:842-5, May 73
[Aspects of lipid metabolism in myxedema before and after treatment] Paula e Silva P de, et al.
Rev Hosp Clin Fac Med Sao Paulo 28:3-8, Jan-Feb 73 (Eng. Abstr.) (Por)

URINE

Inappropriate antidiuretic hormone. Gilbert RD.
Ann Intern Med 78:462, Mar 73
[Therapeutic trial in myxedematous lichen using Primolut-Nor] Grussendorf EI, et al.
Hautarzt 24:37-9, Jan 73 (Ger)

THYROID CRISIS

[Acute crisis in endocrine system diseases] Pacyński A.
Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

COMPLICATIONS

[Acute thyreotoxic encephalopathy: a clinical demonstration] Rożniecki J, et al.
Pol Tyg Lek 28:335-7, 26 Feb 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

[Electroencephalographic findings in internal diseases] Zettler H.
Psychiatr Neurol Med Psychol (Leipz) 25:13-26, Jan 73 (Eng. Abstr.) (Ger)
[Masked hyperthroid crisis] Heberling HJ, et al.
Z Gesamte Inn Med 28:75-8, 1 Feb 73 (Eng. Abstr.) (Ger)

ETIOLOGY

[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Masked hyperthroid crisis] Heberling HJ, et al.
Z Gesamte Inn Med 28:75-8, 1 Feb 73 (Eng. Abstr.) (Ger)

THYROID DISEASES

Thyroid disease in pregnancy. Caleel GT.
J Am Osteopath Assoc 72:635-7, Feb 73
Tuberculosis--manifestations at uncommon sites. Pratap VK, et al.
J Indian Med Assoc 59:281-2 passim, 1 Oct 72
[Thyroid gland diseases] Němec J.
Zdrav Prac 23:132-4, Mar 73 (Cze)

BLOOD

Serum triiodothyronine determination by saturation analysis. Burger A, et al.
Acta Endocrinol (Kbh) 72:714-26, Apr 73
, Steeno O:Statistics on the results of the T 3 -binding capacity and the bound thyroxine in human serum. Splessens H, et al. J Belge Radiol 55:547-56, Sep-Oct 72

COMPLICATIONS

A case of acromegalic heart disease.
Br Med J 1:718-24, 24 Mar 73
[Changes in bone mineralization due to thyroid diseases. Measurement of bone density and thickness using a 125 I profile scanner] Grehn S, et al.
Med Klin 68:306-9, 9 Mar 73 (Eng. Abstr.) (Ger)
[Headache caused by thyroid gland cysts. Therapy and contrast radiography by puncture] Reinhardt K.
Med Welt 24:528-30, 6 Apr 73 (Ger)
[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)
[Autoimmune diseases of the thyroid gland in patients with periodic schizophrenia] Gasanov KhA, et al.
Zh Nevropatol Psikhiatr 12:1837-41, 1972 (Eng. Abstr.) (Rus)

DIAGNOSIS

Serum triiodothyronine measurements by the Sterling method: a critical evaluation. Wahner HW.
Am J Clin Pathol 59:524-30, Apr 73

Discriminant value of thyroid function tests. Barnett DB, et al. Br Med J 2:144-7, 21 Apr 73
Thyroid dysfunction and its somatic reflection: a preliminary report. Williamson ME.
J Am Osteopath Assoc 72:731-7, Mar 73
Ankle reflex and thyroid function. Hart IR, et al. Lancet 1:372, 17 Feb 73
Parathyroid disease. MacGregor GA.
Lancet 1:1133, 19 May 73
Diagnostic use of iodine 131 in children. Safety and utility compared to other tests. Treves S, et al. Pediatrics 51:929-30, May 73
[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al. Ann Endocrinol (Paris) 33:5-22, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Hydatid cyst of the thyroid in the child] Montis G de, et al. Arch Fr Pediatr 29:900, Oct 72 (Fre)
[Headache caused by thyroid gland cysts. Therapy and contrast radiography by puncture] Reinhardt K. Med Welt 24:528-30, 6 Apr 73 (Ger)
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)
[Determination of blood content of total thyroxine as an effective thyroid biochemical test] Constantinescu A, et al. Stud Cercet Endocrinol 24:235-43, 1973 (Rum)
[Thermography in the complex study of patients with diseases of the thyroid gland] Bogin IuN, et al. Klin Med (Mosk) 50:130-3, Oct 72 (Eng. Abstr.) (Rus)
[Echography of the thyroid gland] Lorente Sahuquillo D, et al.
Rev Iber Endocrinol 20:45-69, Jan-Feb 73 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al. Endokrinologie 61:132-9, 1973

IMMUNOLOGY

Absence of cooperating antibodies in pemphigus vulgaris. Fekete B, et al. Lancet 1:1133, 19 May 73
[Delayed hypersensitivity in thyroid diseases studied by means of the leukocyte migration test with human thyroglobulin] Dumont F, et al.
C R Soc Biol (Paris) 166:1139-42, 1972 (Fre)
[Pathogenesis of thyroid diseases in children] Vasiukova EA, et al.
Vopr Okhr Materin Det 17:13-6, Nov 72 (Eng. Abstr.) (Rus)
[Autoimmune diseases of the thyroid gland in patients with periodic schizophrenia] Gasanov KbA, et al. Zh Nevropatol Psikhiatr 12:1837-41, 1972 (Eng. Abstr.) (Rus)

METABOLISM

Thyroid disease in pregnancy. Caleel GT.
J Am Osteopath Assoc 72:635-7, Feb 73
The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J.
J Physiol (Lond) 228:563-82, Feb 73
[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al.
Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) (Cze)

OCCURRENCE

Thyroid disease in the Johannesburg urban Bantu. Samson ID. S Afr J Surg 10:167-70, Sep 72

PATHOLOGY

Hepatic glycogen nuclei and endocrine system. Kruś S. Pol Med J 11:1634-9, 1972
[Hydatid cyst of the thyroid in the child] Montis G de, et al. Arch Fr Pediatr 29:900, Oct 72 (Fre)
[Cyanochrome-granular degeneration of brown fat tissue in man] Feyrter F.
Beitr Gerichtl Med 30:97-108, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. Biochem Biophys Res Commun 51:512-21, 2 Apr 73
Thyroid disorders and glucose tolerance. Correlation of glucose tolerance tests and thyroid function parameters. Zámrazil V, et al.
Endokrinologie 61:37-42, 1973
Ankle reflex and thyroid function. Hart IR, et al. Lancet 1:372, 17 Feb 73
[A radioisotope study of the functional state of the liver and gall bladder in endocrine diseases] Slavnov BN. Vrach Delo 9:79-85, Sep 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Headache caused by thyroid gland cysts. Therapy and contrast radiography by puncture] Reinhardt K. Med Welt 24:528-30, 6 Apr 73 (Ger)
[Clinical value of non-contrast roentgen studies in the diagnosis of thyroid gland diseases] Bukhman AI, et al.
Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Eng. Abstr.) (Rus)

SURGERY

Indications for thyroidectomy. Sanfelippo PM, et al. Mayo Clin Proc 48:269-72, Apr 73
[Analysis of the effectiveness of acupuncture anesthesia in thyroidectomy]
Chin Med J 3:74-7, 1973 (Eng. Abstr.) (Chi)
[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al.
Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) (Cze)
[Role of surgery in the treatment of thyroid diseases] Pulin A, et al. Minerva Chir 28:301-6, 28 Feb 73 (Ita)

THERAPY

A "collagen-like" syndrome associated with antithyroid therapy. Hung W, et al.
J Pediatr 82:852-4, May 73

VETERINARY

Respiratory diseases. Lafeber TJ.
Vet Clin N Amer 3:199-227, May 73
Digestive system disturbances in cage birds. Petrak ML. Vet Clin N Amer 3:187-97, May 73

THYROID GLAND

ABNORMALITIES

Hemiaplasia and foetal adenoma of the thyroid with polydactyly and arachnodactyly. Sinha K, et al.
J Indian Med Assoc 59:244-5, 16 Sep 72
[Clinical and genetic aspects of the lingual thyroid gland] Zabransky S, et al.
Munch Med Wochenschr 115:542-7, 30 Mar 73 (Eng. Abstr.) (Ger)

INJURIES

Penetrating wounds of the neck: surgical management. Williams JW, et al. J Trauma 13:435-42, May 73

THYROID NEOPLASMS

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Pulmonary metastases from differentiated thyroid carcinoma demonstrable only by nuclear imaging. Bonte FJ, et al. Radiology 107:585-90, Jun 73
Thyroid carcinoma. Crocker DW.
Surgery 73:671-6, May 73
[Orthoplastic cancers of the thyroid gland] Charachon R, et al.
J Med Lyon 53:1609-22, 20 Nov 72 (Eng. Abstr.) (Fre)
[Brill-Symmers disease] Stadaas JO.
Tidsskr Nor Laegeforen 93:166-70, 30 Jan 73 (Eng. Abstr.) (Nor)

BLOOD

Immunoreactive calcitonin in medullary carcinoma of the thyroid and in maternal and cord serum. Samaan NA, et al. J Lab Clin Med 81:671-81, May 73

CHEMICALLY INDUCED

[Hypertbyroidism and thyroid cancer] Guinet P, et al. Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)

[The C-cells of the rat thyroid gland during tumor induction] Kashulina AP, et al. Vopr Onkol 18:62-4, 1972 (Eng. Abstr.) (Rus)

[Immunofluorescent characteristics of experimental blastomogenesis in the thyroid gland] Okulov VB. Vopr Onkol 18:54-61, 1972 (Eng. Abstr.) (Rus)

CLASSIFICATION

Poorly differentiated neoplasms of the thyroid gland. Thomas CG Jr, et al. Ann Surg 177:632-42, May 73

COMPLICATIONS

Cases of recurrent nerve paralysis in Gothenburg from 1968-71. Stenborg R. Acta Otolaryngol (Stockh) 75:364-5, Apr 73

Hemiaplasia and foetal adenoma of the thyroid with polydactyly and arachnodactyly. Sinha K, et al. J Indian Med Assoc 59:244-5, 16 Sep 72

Peutz-Jegbers syndrome. Report of two cases from Lebanon, associated with endocrine abnormalities. Salem GM, et al. J Med Liban 25:475-80, 1972

Prevalence of neoplasms and causes of death in paralysis agitans. A necropsy study. Pritchard PB 3d, et al. Neurology (Minneap) 23:215-22, Mar 73

Some unusual manifestations of parathyroid disease. Hines JR, et al. Surg Clin North Am 53:221-30, Feb 73

[Paralysis of dilatators of the glottis. Diagnostic and therapeutic problems. Apropos of 3 cases] Beaufils F, et al. Ann Otolaryngol Chir Cervicofac 89:538-43, Sep 72 (Fre)

[Hypertbyroidism] Cah Med 13:1133-220, 30 Dec 72 (Fre)

[Arteriovenous fistulas in thyroid nodules] Guinet P, et al. Rev Fr Endocrinol Clin 13:245-64, May-Jun 72 (Eng. Abstr.) (Fre)

[Hyperthyroidism and thyroid cancer] Guinet P, et al. Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)

[Ectopic hormonal syndromes] Albeaux-Fernet M. Sem Hop Paris 19:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)

[Changes in bone mineralization due to thyroid diseases. Measurement of bone density and thickness using a 125 I profile scanner] Grehn S, et al. Med Klin 68:306-9, 9 Mar 73 (Eng. Abstr.) (Ger)

[Thyroid carcinoma with pericardial involvement simulating rheumatic heart disease] Nissimov R, et al. Harefuah 84:83-7, 15 Jan 73 (Eng. Abstr.) (Heb)

DIAGNOSIS

Intranuclear cytoplasmic inclusions in some types of thyroid cancer. Söderström N, et al. Acta Cytol (Baltimore) 17:191-7, May-Jun 73

The solitary thyroid nodule. Brooks JR. Am J Surg 125:477-81, Apr 73

A marker for medullary carcinoma of thyroid. Br Med J 2:257-8, 5 May 73

Computer-aided differential diagnosis of goitres in internal medicine. Bouckaert A, et al. Int J Biomed Comput 4:1-17, Jan 73

Needle biopsy. A pilot study. Kline TS, et al. JAMA 224:1143-6, 21 May 73

Management of uncontrolled thyroid carcinoma. Sabatini DE. Med Ann DC 42:125-8, Mar 73

Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. Medicine (Baltimore) 52:141-71, Mar 73

Head and neck tumors in children. Jaffe BF, et al. Pediatrics 51:731-40, Apr 73

Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

[Hyperthyroidism and thyroid cancer] Guinet P, et al. Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)

[Isotope studies in childhood tumors] Riccabona G, et al. Paediatr Paedol 8:125-34, 1973 (Ger)

[Comparative clinico-morphological characteristics of endemic goiter in Amur district] Grigor'ev PIa, et al. Vestn Khir 109:37-40, Jan 73 (Eng. Abstr.) (Rus)

[Echography of the thyroid gland] Lorente Sahuquillo D, et al. Rev Iber Endocrinol 20:45-69, Jan-Feb 73 (Eng. Abstr.) (Spa)

DRUG EFFECTS

[Therapy of malignant thyroid neoplasms] Heinze HG. Dtsch Med Wochenschr 98:996-7, 11 May 73 (Ger)

DRUG THERAPY

Management of uncontrolled thyroid carcinoma. Sabatini DE. Med Ann DC 42:125-8, Mar 73

Considerations in the management of thyroid malignancy. Sedgwick CE. Surg Clin North Am 53:307-11, Apr 73

Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:169-74, Feb 73

[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al. Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Variations in the scintigraphic picture in thyroid gland adenoma as an effect of metothyrine (methylmercaptoimidazole)] Fényes S. Nucl Med (Stuttg) 11:333-7, 30 Dec 72 (Eng. Abstr.) (Ger)

[Thyroid hemangioendothelioma] Besznyák I, et al. Zentralbl Chir 98:132-4, 26 Jan 73 (Ger)

[Clinical study for augmentation of efficacy of anticancer drugs. 1. Combination therapy by proteolytic enzyme and anticancer drugs] Kikuchi K, et al. J Jap Soc Cancer Ther 7:270-8, 20 Dec 72 (Eng. Abstr.) (Jap)

ENZYMOLOGY

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

A marker for medullary carcinoma of thyroid. Br Med J 2:257-8, 5 May 73

Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound sialyltransferase activity. Monaco F, et al. J Biol Chem 248:2328-36, 10 Apr 73

ETIOLOGY

Thyroid cancer after radioactive iodine diagnostic procedures in childhood. Pilch BZ, et al. Pediatrics 51:898-902, May 73

Diagnostic use of iodine 131 in children. Safety and utility compared to other tests. Treves S, et al. Pediatrics 51:929-30, May 73

[Hypertbyroidism and thyroid cancer] Guinet P, et al. Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and paratbyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73

Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

IMMUNOLOGY

[Immunofluorescent characteristics of experimental blastomogenesis in the thyroid gland] Okulov VB. Vopr Onkol 18:54-61, 1972 (Eng. Abstr.) (Rus)

METABOLISM

Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound

sialyltransferase activity. Monaco F, et al.
J Biol Chem 248:2328-38, 10 Apr 73
Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al.
J Clin Endocrinol Metab 38:1009-18, May 73
Amyloid in endocrine tumors.
N Engl J Med 288:1024-5, 10 May 73
In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. Trans Assoc Am Physicians 85:309-16, 1972
[The C-cells of the rat thyroid gland during tumor induction] Kashulina AP, et al.
Vopr Onkol 18:82-4, 1972 (Eng. Abstr.) (Rus)

MORTALITY

The solitary thyroid nodule. Brooks JR.
Am J Surg 125:477-81, Apr 73
Poorly differentiated neoplasms of the thyroid gland. Thomas CG Jr, et al. Ann Surg 177:832-42, May 73
Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Silverberg SG, et al. Cancer 31:821-5, Mar 73
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Thyroid carcinoma. Crocker DW.
Surgery 73:871-6, May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73

OCCURRENCE

Cancer and immune mechanisms.
JAMA 224:1286, 28 May 73

PATHOLOGY

Intranuclear cytoplasmic inclusions in some types of thyroid cancer. Söderström N, et al.
Acta Cytol (Baltimore) 17:191-7, May-Jun 73
Poorly differentiated neoplasms of the thyroid gland. Thomas CG Jr, et al. Ann Surg 177:632-42, May 73
Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Silverberg SG, et al. Cancer 31:821-5, Mar 73
Two cases of medullary carcinoma of thyroid. Reddy SS, et al. Indian J Cancer 9:328-32, Dec 72
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al.
Medicine (Baltimore) 52:141-71, Mar 73
Amyloid in endocrine tumors.
N Engl J Med 288:1024-5, 10 May 73
Thyroid cancer after radioactive iodine diagnostic procedures in childhood. Pilch BZ, et al.
Pediatrics 51:898-902, May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
[Secretory thyroid nodules which apparently empty under TSH] Hazard J, et al.
Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Thyroid hemangioendothelioma] Besznyák I, et al.
Zentralbl Chir 98:132-4, 28 Jan 73 (Ger)
[Characteristics of surgical cases of thyroid diseases in the aged] Kuwabara S.
Jap J Geriatr 10:8-8, Jan 73 (Jap)
[The C-cells of the rat thyroid gland during tumor induction] Kashulina AP, et al.
Vopr Onkol 18:82-4, 1972 (Eng. Abstr.) (Rus)
[Reactive changes in the thyroid and the adrenal cortex during metastasis of Brown-Pearce carcinoma] Kolpashchikova IF, et al.
Vopr Onkol 19:100, 1973 (Rus)

PHYSIOPATHOLOGY

Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73

PREVENTION & CONTROL

[Isotopic treatment of hyperthyroidism] Riviere J.
Cah Med 13:1243-9, 30 Dec 72 (Fre)

RADIOGRAPHY

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73
[Skeletal metastases from differentiated thyroid carcinomas. Radiographic appearances, scans, course during treatment] Wiehe V, et al.
Ged Zb Med Fak Skopje 118:313-9, Mar 73 (Eng. Abstr.) (Ger)
[Case of cavernous metastases of thyroid carcinoma to lungs] Meyer A, et al.
Pol Przegl Radiol 38:755-7, Nov-Dec 72 (Eng. Abstr.) (Pol)
[Clinical value of non-contrast roentgen studies in the diagnosis of thyroid gland diseases] Bukhman AI, et al.
Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Silverberg SG, et al. Cancer 31:821-5, Mar 73
Pulmonary metastases from differentiated thyroid carcinoma demonstrable only by nuclear imaging. Bonte FJ, et al. Radiology 107:585-90, Jun 73
Considerations in the management of thyroid malignancy. Sedgwick CE.
Surg Clin North Am 53:307-11, Apr 73
Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:189-74, Feb 73
[Therapy of malignant thyroid neoplasms] Heinze HG.
Dtsch Med Wochenschr 98:996-7, 11 May 73 (Ger)
[Thyroid hemangioendothelioma] Besznyák I, et al.
Zentralbl Chir 98:132-4, 28 Jan 73 (Ger)

SURGERY

The solitary thyroid nodule. Brooks JR.
Am J Surg 125:477-81, Apr 73
Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:581-79, Apr 73
Poorly differentiated neoplasms of the thyroid gland. Thomas CG Jr, et al. Ann Surg 177:632-42, May 73
Thyroid gland in the management of laryngopharyngeal cancer. Harrison DF.
Arch Otolaryngol 97:301-2, Apr 73
Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Silverberg SG, et al. Cancer 31:821-5, Mar 73
Radicality in cancer surgery. Int Surg 58:182-9, Mar 73
Indications for thyroidectomy. Sanfelippo PM, et al.
Mayo Clin Proc 48:269-72, Apr 73
Management of uncontrolled thyroid carcinoma.
Sabatini DE. Med Ann DC 42:125-8, Mar 73
Pulmonary metastases from differentiated thyroid carcinoma demonstrable only by nuclear imaging. Bonte FJ, et al. Radiology 107:585-90, Jun 73
Considerations in the management of thyroid malignancy. Sedgwick CE.
Surg Clin North Am 53:307-11, Apr 73
Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:189-74, Feb 73
Thyroid carcinoma. Crocker DW.
Surgery 73:871-8, May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
The continuing development of the technique of thyroidectomy. Thompson NW, et al.
Surgery 73:913-27, Jun 73
[Surgical treatment of hyperthyroidism] Reynier J.
Cah Med 13:1251-6, 30 Dec 72 (Fre)
[Therapy of malignant thyroid neoplasms] Heinze HG.
Dtsch Med Wochenschr 98:996-7, 11 May 73 (Ger)
[Thyroid hemangioendothelioma] Besznyák I, et al.
Zentralbl Chir 98:132-4, 28 Jan 73 (Ger)

[Role of surgery in the treatment of thyroid diseases] Pulin A, et al. Minerva Chir 28:301-6, 28 Feb 73 (Ita)
[Thyroid carcinoma in an 11-year-old girl] Koehler B, et al. Pediatr Pol 48:485-7, Apr 73 (Pol)
[Study of post-total thyroidectomy thyroid remnants by scintillography (112 cases)] Mendoza G, et al. Rev Clin Esp 128:513-6, 31 Mar 73 (Eng. Abstr.) (Spa)

THERAPY

The solitary thyroid nodule. Brooks JR. Am J Surg 125:477-81, Apr 73
Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Hill CS Jr, et al. Medicine (Baltimore) 52:141-71, Mar 73
Head and neck tumors in children. Jaffe BF, et al. Pediatrics 51:731-40, Apr 73
Considerations in the management of thyroid malignancy. Sedgwick CE. Surg Clin North Am 53:307-11, Apr 73
Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:169-74, Feb 73
[Therapy of malignant thyroid neoplasms] Heinze HG. Dtsch Med Wochenschr 98:996-7, 11 May 73 (Ger)

VETERINARY

Spontaneous lesions in the female WAG-Rij (Wistar) rat. Boorman GA, et al. J Gerontol 28:152-9, Apr 73

THYROIDITIS

The solitary thyroid nodule. Brooks JR. Am J Surg 125:477-81, Apr 73

BLOOD

Radioimmunoassay for measurement of thyroglobulin in human serum. Van Herle AJ, et al. J Clin Invest 52:1320-7, Jun 73

CHEMICALLY INDUCED

[The lymphatic bed of the rabbit thyroid gland under normal conditions and in experimental thyroiditis] Zalmaev BE. Arkh Anat Gistol Embriol 63:45-50, Sep 72 (Eng. Abstr.) (Rus)

COMPLICATIONS

Coeliac disease associated with auto-immune thyroiditis, Sjogren's syndrome, and a lymphocytotoxic serum factor. Maclaurin BP, et al. Aust NZ J Med 2:405-11, Nov 72
Retroperitoneal fibrosis associated with Riedel's struma. Rao CR, et al. Can Med Assoc J 108:1019-21, 21 Apr 73
Retroperitoneal fibrosis. Thorson SC. Can Med Assoc J 108:957-8, 21 Apr 73
Indications for thyroidectomy. Sanfelippo PM, et al. Mayo Clin Proc 48:269-72, Apr 73

ETIOLOGY

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. Clin Exp Immunol 13:303-26, Feb 73

IMMUNOLOGY

Coeliac disease associated with auto-immune thyroiditis, Sjogren's syndrome, and a lymphocytotoxic serum factor. Maclaurin BP, et al. Aust NZ J Med 2:405-11, Nov 72
Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. Clin Exp Immunol 13:303-26, Feb 73

PATHOLOGY

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al. Clin Exp Immunol 13:303-26, Feb 73
[Histological appearance of thyroid gland in adjuvant-induced polyarthritis as compared with experimental autoimmune thyroiditis in rats] Kalczak M, et al. Reumatologia 11:1-10, Jan 73 (Eng. Abstr.) (Pol)
[The lymphatic bed of the rabbit thyroid gland under normal conditions and in experimental thyroiditis] Zalmaev BE. Arkh Anat Gistol Embriol 63:45-50, Sep 72 (Eng. Abstr.) (Rus)

THYROIDITIS, LYMPHOMATOUS

[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al. Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) (Por)
[Autoimmune thyroiditis (Lymphomatous goiter, Hashimoto's goiter)] Chernisheva NE. Med Sestra 32:8-10, Feb 73 (Rus)

BLOOD

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al. Endokrinologie 61:52-64, 1973

COMPLICATIONS

Coexistence of myasthenia gravis and Hashimoto's thyroiditis in a Chinese woman. Cheah JS, et al. Aust NZ J Med 2:412-5, Nov 72
[Hyperthyroidism] Can Med 13:1133-220, 30 Dec 72 (Fre)

DIAGNOSIS

[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al. Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) (Por)

FAMILIAL & GENETIC

Inheritance of hyperthyroidism. Br Med J 2:5-6, 7 Apr 73

IMMUNOLOGY

Cell-mediated immunity in thyroid disease. Farid NR, et al. Br Med J 1:677, 17 Mar 73

OCCURRENCE

Thyroid disease in the Johannesburg urban Bantu. Samson ID. S Afr J Surg 10:167-70, Sep 72

PATHOLOGY

The thyroid gland in hyperthyroidism. Sampat MB, et al. Indian J Med Res 60:851-8, Jun 72
[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al. Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) (Por)

RADIOGRAPHY

[Clinical value of non-contrast roentgen studies in the diagnosis of thyroid gland diseases] Bukhman AI, et al. Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Eng. Abstr.) (Rus)

SURGERY

Indications for thyroidectomy. Sanfelippo PM, et al. Mayo Clin Proc 48:269-72, Apr 73
[Hashimoto's thyroiditis. Report of 41 cases with discussion of the clinical, laboratory, anatomo-pathological and therapeutic aspects] Carvalho S de, et al. Rev Assoc Med Bras 19:87-96, Mar 73 (Eng. Abstr.) (Por)

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

ADMINISTRATION & DOSAGE

The effect of sodium dextrothyroxine on serum cholesterol and mortality rates in cardiac patients. Bernstein A, et al. **Angiology** 24:205-11, Apr 73

THERAPEUTIC USE

The effect of sodium dextrothyroxine on serum cholesterol and mortality rates in cardiac patients. Bernstein A, et al. **Angiology** 24:205-11, Apr 73

Recent advances in therapy for refractory congestive heart failure. King JF, et al. **Geriatrics** 28:94-102, Mar 73

DIIODOTYROSINE

ANALYSIS

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol** 56:451-62, Mar 73

BIOSYNTHESIS

Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al. **J Clin Endocrinol Metab** 36:1009-18, May 73

The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH. **J Endocrinol** 56:173-85, Feb 73

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. **Proc Soc Exp Biol Med** 142:776-80, Mar 73

METABOLISM

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al. **Endocrinology** 92:1376-81, May 73

PHARMACODYNAMICS

[The antiarrhythmic action of diiodotyrosine and mercazolyl] Nevelichuk VV. **Fiziol Zh** 18:819-21, Nov-Dec 72 **(Ukr)**

IODOTYROSINE

A simple method for quantitating ligands covalently bound to agarose beads. Failla D, et al. **Anal Biochem** 52:363-8, Apr 73

Effect of erythropoietin on the peroxidase and tyrosine-iodinase activity of mouse thyroid and submaxillary gland. Banerjee RK, et al. **Eur J Biochem** 34:169-76, 2 Apr 73

ANALYSIS

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol** 56:451-62, Mar 73

BIOSYNTHESIS

Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al. **J Clin Endocrinol Metab** 36:1009-18, May 73

The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH. **J Endocrinol** 56:173-85, Feb 73

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. **Proc Soc Exp Biol Med** 142:776-80, Mar 73

METABOLISM

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al. **Endocrinology** 92:1376-81, May 73

Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. **Endocrinology** 92:912-6, Mar 73

SECRETION

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest** 3:142-50, Mar 73

THYROGLOBULIN

Effect of clofibrate (atromid S) on t 4 -by-column measurements. Powell JB, et al. **Am J Clin Pathol** 59:764, May 73

Thyroid-binding globulin deficiency in a patient with Beckwith's syndrome. Kaufman SL, et al. **Calif Med** 118:63-6, Apr 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet** 808:855-7, 21 Apr 73

Lymphocytes binding thyroglobulin. Vladutu AO. **Lancet** 1:678-9, 24 Mar 73

Circulating sensitized lymphocytes in systemic lupus erythematosus. Podleski WK, et al. **Nature** 241:278-9, 26 Jan 73

[Delayed hypersensitivity in thyroid diseases studied by means of the leukocyte migration test with human thyroglobulin] Dumont F, et al. **C R Soc Biol (Paris)** 166:1139-42, 1972 **(Fre)**

[Humoral autoimmunity and the rhythm of aging] Prieto Valtueña J, et al. **Rev Clin Esp** 128:203-10, 15 Feb 73 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Wood LC, et al. **Endocrinology** 92:1538-43, May 73

ANALYSIS

The presence of -mannosidic linkage in acidic glycopeptide from porcine thyroglobulin. Toyoshima S, et al. **Biochem Biophys Res Commun** 51:945-50, 16 Apr 73

An electron microscopic study of the thyroglobulin molecule. Berg G. **J Ultrastruct Res** 42:324-36, Feb 73

[Plurality of autoantigenic sites in the thyroglobulin molecule] Cuillière L, et al. **C R Soc Biol (Paris)** 166:1142-5, 1972 **(Fre)**

[Pathogenesis of thyroid diseases in children] Vasiukova EA, et al. **Vopr Okhr Materin Det** 17:13-6, Nov 72 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Autoimmune diseases of the thyroid gland in patients with periodic schizophrenia] Gasanov KhA, et al. **Zh Nevropatol Psikhiatr** 12:1837-41, 1972 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al. **Biochim Biophys Acta** 294:309-21, 19 Jan 73

Glycoprotein biosynthesis. VI. Regulation of uridine diphosphate N-acetyl-D-glucosamine metabolism in bovine thyroid gland slices. Trujillo JL, et al. **Biochim Biophys Acta** 304:32-41, 30 Mar 73

Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound

sialyltransferase activity. Monaco F, et al.
J Biol Chem 248:2328-36, 10 Apr 73
The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH.
J Endocrinol 56:173-85, Feb 73
[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

BLOOD

Radioimmunoassay for measurement of thyroglobulin in human serum. Van Herle AJ, et al.
J Clin Invest 52:1320-7, Jun 73
[Triiodothyronine-thyrotoxicosis] Lande G, et al.
Tidsskr Nor Laegeforen 92:2424-7, 30 Dec 72 (Eng. Abstr.) (Nor)

ISOLATION & PURIFICATION

An electron microscopic study of the thyroglobulin molecule. Berg G. J Ultrastruct Res 42:324-36, Feb 73
[Plurality of autoantigenic sites in the thyroglobulin molecule] Cuillière L, et al.
C R Soc Biol (Paris) 166:1142-5, 1972 (Fre)

METABOLISM

Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system. De Nayer P, et al.
Biochim Biophys Acta 294:309-21, 19 Jan 73
Alkaline ribonuclease inhibitor in rat thyroid. Greif RL, et al. Biochim Biophys Acta 286:350-9, 29 Dec 72
Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73
[Current studies on the role of lysosomes in the liberation of thyroid hormones] Vandenbroucke MF.
Mem Acad R Med Belg 7:457-503, Dec 72 (Fre)
[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Wood LC, et al.
Endocrinology 92:1538-43, May 73

THYROID HORMONES

The influence of thyroid hormones on the activities of the certain enzymes in rat aorta at a high-fat diet. Janda J, et al. Cor Vasa 15:70-9, 1973
Thyroid hormones and fetal growth.
Nutr Rev 31:67-9, Feb 73

ADMINISTRATION & DOSAGE

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. Am J Dis Child 125:612-3, Apr 73
Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73
[Characteristics of the effect of an excess of thyroid hormones in dogs] Jackson IM, et al.
Probl Endokrinol (Mosk) 19:73-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Auto-immune annular erythema. A variant of lupus erythematosus? Rekant SI, et al.
Arch Dermatol 107:424-6, Mar 73
["Entrapment" hyperthyroidism resulting from thyroid opotherapy] Visscher M de.
Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Eng. Abstr.) (Fre)

ANALYSIS

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al.
Biol Neonate 21:282-95, 1972

BIOSYNTHESIS

Effect of single administration of small doses of iodide on thyroid hormone biosynthesis. Langer P.
Endokrinologie 61:43-51, 1973
Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. J Endocrinol 56:451-62, Mar 73
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)

BLOOD

Thyroid status in malignant hyperpyrexia. Lister D.
Br J Anaesth 45:115, Jan 73
Effect of sodium ethylmercurithiosalicylate (thimerosal) on serum binding of thyroid hormones. Bellaharba D, et al.
Can J Physiol Pharmacol 51:156-9, Feb 73
[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al.
Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) (Cze)
[Biological investigation in hyperthyroidism] Guinet P.
Can Med 13:1235-42, 30 Dec 72 (Fre)
[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

METABOLISM

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al.
Biol Neonate 21:282-95, 1972
Familial goitrous cretinism. Vashi N.
Indian Pediatr 9:697-702, Nov 72
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73
[Differences between velocity of the skeletal and heart muscle response to the severe decline of the level of thyroid hormones] Váňa S, et al.
Vnitr Lek 19:327-31, Apr 73 (Eng. Abstr.) (Cze)
[Present problems in biological exploration of thyroid disease] Guinet P.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)
[Fetal and neonatal hypothyroidism] De Matteis F.
Minerva Pediatr 25:175-89, 18 Feb 73 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al.
Endocrinology 92:1349-53, May 73
The effect of thyroid state on monophasic action potential in human heart. Cotoi S, et al.
Experientia 28:797-8, 15 Jul 72
Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73
[Erythrocyte carbonic anhydrases in various diseases of childhood] Wehinger H.
Z Kinderheilkd 114:163-74, 4 Apr 73 (Eng. Abstr.) (Ger)
[Characteristics of the effect of an excess of thyroid hormones in dogs] Jackson IM, et al.
Probl Endokrinol (Mosk) 19:73-6, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)
[Cell division and regenerative processes in the thyroid gland irradiated with radioactive iodine] Romanov IuA.
Zh Obshch Biol 33:397-408, Jul-Aug 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Comparative effects of underfeeding, hypothyroidism and hyperthyroidism upon the histological maturation of the molecular zone of the cerebellar cortex in the young rat] Rehière A, et al.

Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Eng. Abstr.) (Fre)

SECRETION

[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al.
Stud Cercet Med Interna 13:551-4, 1972 (Eng. Abstr.) (Rum)

THERAPEUTIC USE

Thyroid acropachy. Thomas J, et al.
Am J Dis Child 125:745-6, May 73

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 2:87-90, 14 Apr 73

The influence of thyroid hormones on the activities of the certain enzymes in rat aorta at a high-fat diet. Janda J, et al. Cor Vasa 15:70-9, 1973

Carpal-tunnel syndrome in patients with myxedematous arthropathy. Frymoyer JW, et al.
J Bone Joint Surg [Am] 55:78-82, Jan 73

Treatment of depression "C" thyroid shock. Abdel-Gawad MS, et al.
J Egypt Med Assoc 55:551-60, 1972

Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73

Total thyroidectomy for the treatment of Graves' disease in children. Altman RP.
J Pediatr Surg 8:295-300, Apr 73

Management of uncontrolled thyroid carcinoma. Sahatini DE. Med Ann DC 42:125-8, Mar 73

Dermatomyositis complicating pregnancy. Tsai A, et al.
Obstet Gynecol 41:570-3, Apr 73

Considerations in the management of thyroid malignancy. Sedgwick CE.
Surg Clin North Am 53:307-11, Apr 73

Carcinoma of the thyroid. Modalities of therapy. Wilson SM. Surg Clin North Am 53:169-74, Feb 73

[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Alheaux-Fernet M, et al.
Sem Hop Paris 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)

[Sheehan's disease followed by severe arterial hypertension with right renal artery stenosis. Discussion of the role of hypopituitarism in atherogenesis] Alheaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)

[Prevention of goiter recurrence and ovulation inhibitors] Scriba PC. Med Klin 68:159, 2 Feb 73 (Ger)

[Selective strumectomy] Gemsenjäger E.
Praxis 62:492-6, 17 Apr 73 (Eng. Abstr.) (Ger)

THYRONINE

The influence of thyroid hormones on the activities of the certain enzymes in rat aorta at a high-fat diet. Janda J, et al. Cor Vasa 15:70-9, 1973

THYROXINE

Thyroid ribonucleic acid-iodopeptides. Purification and properties of a thyroxine-containing complex from porcine thyroid. Gadski RA, et al.
Biochemistry 12:1907-14, 8 May 73

Use of serum albumin microspheres as a reversible adsorbent for studying protein-small molecule interactions. Rolleri E, et al.
Biochim Biophys Acta 295:429-37, 21 Feb 73

Thyroxine "addicts". Harvey RF.
Br Med J 2:35-6, 7 Apr 73

Effect of porcine, salmon and human calcitonin on urinary excretion of some electrolytes in sheep. Bariet JP. J Endocrinol 55:153-61, Oct 72

Accelerated postnatal development of D(-)--hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the brain in hyperthyroidism. Grave GD, et al. J Neurochem 20:495-501, Feb 73

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs. Renauld A, et al.
Acta Physiol Lat Am 22:251-7, 1972

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM.
Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72

Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al.
J Clin Invest 52:1010-7, May 73

Accelerated postnatal development of D(-)--hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the brain in hyperthyroidism. Grave GD, et al. J Neurochem 20:495-501, Feb 73

[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al.
Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

ANALYSIS

Serum triiodothyronine determination by saturation analysis. Burger A, et al.
Acta Endocrinol (Kbh) 72:714-26, Apr 73

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. J Endocrinol 56:451-62, Mar 73

[Determination of blood content of total thyroxine as an effective thyroid biochemical test] Constantinescu A, et al. Stud Cercet Endocrinol 24:235-43, 1973 (Rum)

BIOSYNTHESIS

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973

Effect of single administration of small doses of iodide on thyroid hormone biosynthesis. Langer P.
Endokrinologie 61:43-51, 1973

Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al.
J Clin Endocrinol Metab 36:1009-18, May 73

The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH.
J Endocrinol 56:173-85, Feb 73

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al.
Proc Soc Exp Biol Med 142:776-80, Mar 73

[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al.
Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

BLOOD

Non-toxic goitre. Dyshormonogenesis. Angerbaek H.
Acta Endocrinol (Kbh) 72:671-83, Apr 73

Triglyceride abnormality in infantile hypothyroidism. Baum D, et al. Am J Dis Child 125:612-3, Apr 73

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. Am J Vet Res 34:535-8, Apr 73

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al.
Biochem Biophys Res Commun 51:512-21, 2 Apr 73

Hormonal regulation of thermogenesis in the new-born pig. The effect of ambient temperature on urinary catecholamine excretion. Kaciuba-Uściłko H.
Biol Neonate 21:245-58, 1972

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Grades of hypothyroidism. Evered DC, et al.
Br Med J 1:657-62, 17 Mar 73

Thyroxine "addicts". Harvey RF.
Br Med J 2:35-6, 7 Apr 73

Radioimmunoassay of triiodothyronine in unextracted human serum. Hesch RD, et al.
Br Med J 1:645-8, 17 Mar 73

Remission of thyrotoxicosis during treatment with

propranolol. McLarty DG, et al.
Br Med J 2:332-4, 12 May 73

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al.
Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72

Effect of sodium ethylmercurithiosalicylate (thimerosal) on serum binding of thyroid hormones. Bellabarba D, et al.
Can J Physiol Pharmacol 51:156-9, Feb 73

Measurement of circulating thyroxine in several freshwater teleosts by competitive binding analysis. Higgs DA, et al. **Can J Zool** 51:49-53, Jan 73

Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al.
Clin Pharmacol Ther 14:455-61, May-Jun 73

Thyroid hormone-binding in opossum serum: evidence for polymorphism and relationship to haptoglobin polymorphism. Davis PJ, et al.
Endocrinology 92:822-32, Mar 73

Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. **Endocrinology** 92:946-8, Mar 73

Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Wood LC, et al.
Endocrinology 92:1538-43, May 73

Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Bános C, et al. **Endokrinologie** 61:32-6, 1973

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al.
Endokrinologie 61:52-64, 1973

Effect of insulin induced hypoglycaemia on thyroid function and thyroxine turnover. Blum C, et al.
Eur J Clin Invest 3:124-9, Mar 73

, Steeno O:Statistics on the results of the T 3 -binding capacity and the bound thyroxine in human serum. Spiessens H, et al. **J Belge Radiol** 55:547-56, Sep-Oct 72

Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73

Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery. Ahuid J, et al. **J Clin Invest** 52:1195-9, May 73

Partial target organ resistance to thyroid hormone. Bode HH, et al. **J Clin Invest** 52:776-82, Apr 73

Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al.
J Clin Invest 52:1010-7, May 73

Determination of iodothyronine absorption and conversion of L-thyroxine (T 4) to L-triiodothyronine (T 3) using turnover rate techniques. Surks MI, et al.
J Clin Invest 52:805-11, Apr 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al.
J Clin Invest 52:783-8, Apr 73

The effect of methylcholanthrene on biliary thyroxine excretion in normal and Gunn rats. Bastomsky CH, et al. **J Endocrinol** 56:267-73, Feb 73

Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. Tai E, et al. **J Endocrinol** 57:181-2, Apr 73

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tai E, et al.
J Endocrinol 57:183-4, Apr 73

Evaluation of serum thyroxine by radioimmunoassay. Beckers C, et al. **J Nucl Med** 14:317-20, Jun 73

Measurement of serum thyroxine by the Tetralute procedure: the effect of 131 I and 99m Tc administration. Blum M, et al.
J Nucl Med 14:279-82, May 73

Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML.
J Nucl Med 14:336-40, Jun 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet** 1:1021-4, 12 May 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Ryhakowski J, et al.
Lancet 808:889, 21 Apr 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc** 48:273-5, Apr 73

Thyroid hormones and fetal growth.
Nutr Rev 31:67-9, Feb 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972

The phenomenon of adaptation: graft or host? Warden GD, et al. **Transplant Proc** 5:635-9, Mar 73

[Familial thyrosine-binding globulin deficiency. A genetic and biochemical assessment of 3 Danish families] Strunge P.
Ugeskr Laeger 135:857-61, 7 May 73 (Eng. Abstr.) **(Dan)**

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 **(Fre)**

[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) **(Fre)**

[Influence of hemodialysis on hormone levels in preterminal renal failure] Bindebaile W, et al.
Dtsch Med Wochenschr 98:661-5, 20 Mar 73 (Eng. Abstr.) **(Ger)**

[Influence of thyrostatic therapy on plasma free fatty acids in patients with decompensated diffuse hyperthyreosis] Morgner KD.
Med Klin 68:310-2, 9 Mar 73 (Eng. Abstr.) **(Ger)**

[Thyroid and adrenal gland function in rats with hereditary spontaneous hypertension] Wesseis F, et al. **Med Welt** 24:727-8, 4 May 73 **(Ger)**

[Experimental and clinical evaluation of blood thyroxine determination using the Thyopac-4 kit] Iigaya K, et al.
Clin Endocrinol (Tokyo) 21:203-9, Feb 73 **(Jap)**

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) **(Jap)**

[Triiodothyronine-thyrotoxicosis] Lande G, et al.
Tidsskr Nor Laegeforen 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

[Determination of blood content of total thyroxine as an effective thyroid biochemical test] Constantinescu A, et al. **Stud Cercet Endocrinol** 24:235-43, 1973 **(Rum)**

[Radioisotope study of iodine metabolism by the method of competitive analysis] Zubovskii GA, et al.
Med Radiol (Mosk) 18:16-22, Jan 73 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Serum triiodothyronine measurements by the Sterling method: a critical evaluation. Wahner HW.
Am J Clin Pathol 59:524-30, Apr 73

Thyroid ribonucleic acid-iodopeptides. Purification and properties of a thyroxine-containing complex from porcine thyroid. Gadski RA, et al.
Biochemistry 12:1907-14, 8 May 73

METABOLISM

Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Andrada JA, et al.
Clin Exp Immunol 13:303-26, Feb 73

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al.
Endocrinology 92:1376-81, May 73

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Feit V, et al.
Endokrinologie 61:65-74, 1973

Effect of insulin induced hypoglycaemia on thyroid function and thyroxine turnover. Blum C, et al.
Eur J Clin Invest 3:124-9, Mar 73

Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al.
J Clin Invest 52:1010-7, May 73

Determination of iodothyronine absorption and conversion of L-thyroxine (T 4) to L-triiodothyronine (T 3) using turnover rate techniques. Surks MI, et al.
J Clin Invest 52:805-11, Apr 73

The effect of methylcholanthrene on biliary thyroxine excretion in normal and Gunn rats. Bastomsky CH, et al. **J Endocrinol** 56:267-73, Feb 73

Congenital euthyroid goitre and partial peripheral

resistance to thyroid hormones. Lamberg BA. **Lancet** 808:855-7, 21 Apr 73

Transport capacity of median eminence. 3. Amino acid and thyroxine transport of organ-cultured median eminence. Silverman AJ, et al. **Neuroendocrinology** 11:107-18, 1973

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. **Pediatrics** 51:668-74, Apr 73

[Effect of perchlorate and thiocyanate anions on the PBI level and exogenous 125 I-thyroxine binding to the blood plasma proteins and diaphragm muscle of the rat in vivo and in vitro] Bobek S, et al. **Endokrynol Pol** 24:21-31, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Changes of the adrenal cortex in the experimental pancreatic injury] Moravec R, et al. **Bratisl Lek Listy** 59:45-56, 1973 (Eng. Abstr.) (Slo)

PHARMACODYNAMICS

Thyroxine stimulation of amino acid incorporation into mitochondrial protein: differences between in vivo and in vitro effects. Gordon A, et al. **Acta Endocrinol (Kbh)** 72:684-96, Apr 73

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al. **Acta Endocrinol (Kbh)** 72:697-713, Apr 73

Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs. Renauld A, et al. **Acta Physiol Lat Am** 22:251-7, 1972

Lack of acute effects of thyroid hormones on myocardial contractility. Skelton CL, et al. **Am J Physiol** 224:957-62, Apr 73

Effects of thyroxine on calorigenic response of the newborn rat to norepinepbrine. Steele RE, et al. **Am J Physiol** 224:979-84, Apr 73

Thyroxine and the development of the tibia in the embryonic chick. Hall BK. **Anat Rec** 176:49-64, May 73

Hyperthermia, muscle rigidity, and uncoupling in skeletal muscle mitochondria in rats treated with halothane and 2,4-dinitrophenol. Hoeb FL, et al. **Anesthesiology** 38:237-43, Mar 73

Sterol metabolism. 18. On the uniqueness of the occurrence of 26-hydroxycholesterol in the human aorta. Smith LL, et al. **Atherosclerosis** 17:21-30, Jan-Feb 73

Conserving effect of thyroid hormone on myocardial ATP stores in vitro. Coben J, et al. **Cardiovasc Res** 7:196-200, Mar 73

Action of growth hormone and thyroxine on aortas of hypophysectomized dogs. Brosnan ME, et al. **Diabetes** 22:243-50, Apr 73

Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. **Endocrinology** 92:946-8, Mar 73

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Wilber JF, et al. **Endocrinology** 92:888-93, Mar 73

Effects of thyroxine, thyrotropin, prolactin, and growth hormone on the maturation of the frog cerebellum. Gona AG. **Exp Neurol** 38:494-501, Mar 73

Fine structure of the normal, transplanted and postmetamorphic pars distalis of the Mexican axoloti, Ambystoma mexicanum. Connelly TG. **Gen Comp Endocrinol** 20:236-55, Apr 73

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al. **Gen Comp Endocrinol** 20:342-6, Apr 73

Effect of graded doses of thyroxine on the plasma TSH levels in mice. Francis CM. **Indian J Physiol Pharmacol** 16:215-8, Jul-Sep 72

Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al. **J Clin Invest** 52:1010-7, May 73

Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK. **J Endocrinol** 56:295-301, Feb 73

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. **J Endocrinol** 56:235-43, Feb 73

Effects of thyroparathyroidectomy on implantation and early gestation in rats. Baksi SN. **J Reprod Fertil** 32:513-6, Mar 73

Aortic proline hydroxylase in hypoxia induced arteriosclerosis in rabbits. Crossley HL, et al. **Life Sci [II]** 11:869-75, 8 Sep 72

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med** 143:181-4, May 73

Hyaluronate inhibition of chondrogenesis: antagonism of thyroxine, growth hormone, and calcitonin. Toole BP. **Science** 180:302-3, 20 Apr 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians** 85:295-308, 1972

PHYSIOLOGY

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al. **Gen Comp Endocrinol** 20:342-6, Apr 73

The evolution of endothermy. Stevens ED. **J Theor Biol** 38:597-611, Mar 73

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V. **Rev Czech Med** 19:3-14, 1973

SECRETION

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate. Kallfelz FA. **Am J Vet Res** 34:535-8, Apr 73

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest** 3:142-50, Mar 73

Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery. Abuid J, et al. **J Clin Invest** 52:1195-9, May 73

Free-thyroxine index and absolute free-thyroxine in affective disorders. Rybakowski J, et al. **Lancet** 808:889, 21 Apr 73

THERAPEUTIC USE

Myxedema coma with respiratory failure. Domm BM, et al. **Am Rev Respir Dis** 107:842-5, May 73

A case of anorexia. **Br Med J** 2:158-63, 21 Apr 73

The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve. Wallis M, et al. **J Endocrinol** 56:235-43, Feb 73

The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J. **J Physiol (Lond)** 228:563-82, Feb 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. **Lancet** 808:855-7, 21 Apr 73

L-thyroxine in the treatment of obesity without increase in loss of lean body mass. Lamki L, et al. **Metabolism** 22:617-22, Apr 73

[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al. **Dtsch Med Wochenschr** 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

[Therapy of hypothyroidism using synthetic thyroid gland hormones] Rubinjoni Z, et al. **Med Welt** 24:415-7, 16 Mar 73 (Ger)

[Hiperlipidemia as a risk factor in coronary artery disease] Michajlik A. **Wiad Lek** 26:529-34, 15 Mar 73 (16 ref.) (Pol)

[Prolactin and galactorrhea] Villa JG, et al. **Rev Clin Esp** 128:183-94, 15 Feb 73 (115 ref.) (Spa)

TRIIODOTHYRONINE

Use of serum albumin microspheres as a reversible adsorbent for studying protein-small molecule interactions. Rolleri E, et al. **Biochim Biophys Acta** 295:429-37, 21 Feb 73

[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al. **Sem Hop Paris** 49:325-7, 26 Jan 73 (Eng. Abstr.) (Fre)

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al. **Dtsch Med Wochenschr** 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Secondary chemotherapy of advanced breast cancer. Goldenberg IS, et al. Cancer 31:660-3, Mar 73

Albumin syntbesis during induced and spontaneous metamorpbosis in the bullfrog Rana catesbeiana. Ledford BE, et al. Dev Biol 30:187-97, Jan 73

Effects of L-triiodotbyronine on insulin secretion in man. Erie G, et al. Folia Endocrinol (Roma) 26:49-56, Feb 73

[Treatment of nontoxic goiter witb syntbetic tbyroid hormones] Horster FA, et al. Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

["Entrapment" byperthyroidism resulting from tbyroid opotberapy] Visscher M de. Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Eng. Abstr.) (Fre)

ANALYSIS

Serum triiodothyronine determination by saturation analysis. Burger A, et al. Acta Endocrinol (Kbh) 72:714-26, Apr 73

Radioimmunoassay and its application in the measurement of triiodotbyronine. Brown ML. Am J Hosp Pharm 30:336-9, Apr 73

Importance of T 3 (triiodotbyronine) secretion in altered states of tbyroid function in tbe rat: cold exposure, subtotal tbyroidectomy, and hypophysectomy. Nejad IF, et al. Trans Assoc Am Physicians 85:295-308, 1972

BIOSYNTHESIS

Influence of higb level of endogenous Glucocorticoids on tbe histology of fetal rat tbyroid. Horvat NM, et al. Endokrinologie 61:132-9, 1973

Biochemical observations in functioning buman tbyroid adenomas. Larsen PR, et al. J Clin Endocrinol Metab 36:1009-18, May 73

Potentiation of goitrogenic action of sulfonamide by trimetboprim. Kobayashi R, et al. Proc Soc Exp Biol Med 142:776-80, Mar 73

[Treatment of nontoxic goiter witb synthetic thyroid hormones] Horster FA, et al. Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Eng. Abstr.) (Ger)

BLOOD

Serum triiodotbyronine determination by saturation analysis. Burger A, et al. Acta Endocrinol (Kbh) 72:714-26, Apr 73

Serum triiodothyronine measurements by the Sterling method: a critical evaluation. Wahner HW. Am J Clin Pathol 59:524-30, Apr 73

Radioimmunoassay and its application in the measurement of triiodotbyronine. Brown ML. Am J Hosp Pharm 30:336-9, Apr 73

Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of tbyroxine secretion rate. Kalifelz FA. Am J Vet Res 34:535-8, Apr 73

Double-isotope derivative assay of serum iodothyronines. 3. Triiodothyronine. Hagen GA, et al. Biochem Med 7:191-202, Apr 73

Grades of hypothyroidism. Evered DC, et al. Br Med J 1:657-62, 17 Mar 73

Radioimmunoassay of triiodothyronine in unextracted human serum. Hescb RD, et al. Br Med J 1:645-8, 17 Mar 73

Effect of sodium ethylmercurithiosalicylate (thimerosal) on serum binding of thyroid hormones. Bellabarba D, et al. Can J Physiol Pharmacol 51:156-9, Feb 73

Thyroid hormone-binding in opossum serum: evidence for polymorpbism and relationship to haptoglobin polymorphism. Davis PJ, et al. Endocrinology 92:822-32, Mar 73

Factors influencing the relationship between labelled triiodotbyronine and thyroxine levels in tbe serum of patients with Graves' disease. Földes J, et al. Endokrinologie 61:52-64, 1973

Steeno O:Statistics on tbe results of the T 3 -binding capacity and the bound tbyroxine in human serum. Spiessens H, et al. J Belge Radiol 55:547-56, Sep-Oct 72

Serum triiodotbyronine and thyroxine in the neonate and tbe acute increases in tbese hormones following delivery. Abuid J, et al. J Clin Invest 52:1195-9, May 73

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73

Effects of replacement doses of sodium L-tbyroxine on the peripberal metabolism of thyroxine and triiodothyronine in man. Braverman LE, et al. J Clin Invest 52:1010-7, May 73

Determination of iodotbyronine absorption and conversion of L-tbyroxine (T 4) to L-triiodotbyronine (T 3) using turnover rate techniques. Surks MI, et al. J Clin Invest 52:805-11, Apr 73

Pituitary-tbyroid axis in Himalayan endemic goitre. Kocbupillai N, et al. Lancet 1:1021-4, 12 May 73

Congenital eutbyroid goitre and partial peripheral resistance to tbyroid hormones. Lamberg BA. Lancet 808:855-7, 21 Apr 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. Mayo Clin Proc 48:273-5, Apr 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in tbe rat: cold exposure, subtotal tbyroidectomy, and hypophysectomy. Nejad IF, et al. Trans Assoc Am Physicians 85:295-308, 1972

[Familial thyrosine-binding globulin deficiency. A genetic and biochemical assessment of 3 Danisb families] Strunge P. Ugeskr Laeger 135:857-61, 7 May 73 (Eng. Abstr.) (Dan)

[Familial Basedow's disease in 3 generations] Gilbert-Dreyfus, et al. Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)

[Triiodotbyronine-tbyrotoxicosis] Lande G, et al. Tidsskr Nor Laegeforen 92:2424-7, 30 Dec 72 (Eng. Abstr.) (Nor)

DIAGNOSTIC USE

Grades of bypotbyroidism. Evered DC, et al. Br Med J 1:657-62, 17 Mar 73

Tbyroid nodule producing T3 toxicosis in a child. Popma BH, et al. Mayo Clin Proc 48:273-5, Apr 73

[Biological investigation in byperthyroidism] Guinet P. Cah Med 13:1235-42, 30 Dec 72 (Fre)

[Radioisotope study of iodine metabolism by tbe method of competitive analysis] Zubovskiĭ GA, et al. Med Radiol (Mosk) 18:16-22, Jan 73 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Double-isotope derivative assay of serum iodotbyronines. 3. Triiodotbyronine. Hagen GA, et al. Biochem Med 7:191-202, Apr 73

METABOLISM

Discriminant value of thyroid function tests. Barnett DB, et al. Br Med J 2:144-7, 21 Apr 73

Iodinated compounds in the tbyroids of tbe offspring of rats maintained on low-iodine diet. Ekpechi OL, et al. Endocrinology 92:1376-81, May 73

Peripheral metabolism of tbyroxine and triiodotbyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (witb regard to obesity). Feit V, et al. Endokrinologie 61:65-74, 1973

Effects of replacement doses of sodium L-thyroxine on tbe peripheral metabolism of tbyroxine and triiodothyronine in man. Braverman LE, et al. J Clin Invest 52:1010-7, May 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. Lancet 808:855-7, 21 Apr 73

[Current studies on the role of lysosomes in the liberation of tbyroid hormones] Vandenbroucke MF. Mem Acad R Med Belg 7:457-503, Dec 72 (Fre)

[Present problems in biological exploration of tbyroid disease] Guinet P. Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Eng. Abstr.) (Fre)

[Cycl AMP and function of tbe hypothalamo-hypopbyseal tbyroid system] Sánchez Martín JA. Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Red cell volume and body composition of 1-triiodothyronine-injected hypophysectomized rats. Bozzini CE, et al. **Acta Physiol Lat Am** 22:206-11, 1972

Lack of acute effects of thyroid hormones on myocardial contractility. Skelton CL, et al. **Am J Physiol** 224:957-62, Apr 73

Relationsbip between tocopberol and serum lipid levels for determination of nutritional adequacy. Horwitt MK, et al. **Ann NY Acad Sci** 203:223-36, 18 Dec 72

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. **Aust NZ J Med** 2:366-75, Nov 72

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. **Biochem Biophys Res Commun** 51:512-21, 2 Apr 73

Inactivation of tyrosine aminotransferase in neutral homogenates and rat liver slices. Auricchio F, et al. **Biochem J** 129:1131-8, Oct 72

Plasma protein biosynthesis in different thyroid states. Nadkarni GD, et al. **Biochem Med** 7:226-34, Apr 73

Alkaline rihonuclease inhibitor in rat thyroid. Greif RL, et al. **Biochim Biophys Acta** 286:350-9, 29 Dec 72

Albumin synthesis during induced and spontaneous metamorpbosis in the bullfrog Rana catesbeiana. Ledford BE, et al. **Dev Biol** 30:187-97, Jan 73

Effects of L-triiodothyronine on insulin secretion in man. Erle G, et al. **Folia Endocrinol (Roma)** 26:49-56, Feb 73

Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al. **J Clin Invest** 52:796-804, Apr 73

The mode of adrenal gland enlargement in the rat in response to exercise training. Song MK, et al. **Pfluegers Arch** 339:59-68, 5 Mar 73

Effect of exogenous triiodothyronine on weight and composition of the heart in rats. Mowery MB, et al. **Proc Soc Exp Biol Med** 143:138-40, May 73

Properties of density gradient-separated liver mitochondria from triiodothyronine-treated rats. Ruh TS, et al. **Proc Soc Exp Biol Med** 142:1128-32, Apr 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, suhtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians** 85:295-308, 1972

[Elevation of IgM and IgG immunoglobulins and ophtbalmopathic reaction after intake of triiodothyronine in a tbyroidectomized Graves' disease patient. Reversible rupture of the autoimmune equilibrium and the Arthus pbenomenon] Mahaux JE, et al. **Ann Endocrinol (Paris)** 33:86-91, Jan-Feb 72 (Eng. Abstr.) **(Fre)**

[Characteristics of the effect of an excess of thyroid hormones in dogs] Jackson IM, et al. **Probl Endokrinol (Mosk)** 19:73-6, Jan-Feb 73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Cycl AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. **Rev Iber Endocrinol** 20:27-44, Jan-Feb 73 (Eng. Abstr.) **(Spa)**

SECRETION

Secretion of thyroxine and non-thyroxine iodine by the normal buman thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest** 3:142-50, Mar 73

Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery. Abuid J, et al. **J Clin Invest** 52:1195-9, May 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. **Mayo Clin Proc** 48:273-5, Apr 73

Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, suhtotal thyroidectomy, and hypophysectomy. Nejad IF, et al. **Trans Assoc Am Physicians** 85:295-308, 1972

[Triiodothyronine-thyrotoxicosis] Lande G, et al. **Tidsskr Nor Laegeforen** 92:2424-7, 30 Dec 72 (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

The treatment of obesity. Penick SB, et al. **Adv Psychosom Med** 7:217-28, 1972 (23 ref.)

Secondary chemotherapy of advanced breast cancer. Goldenberg IS, et al. **Cancer** 31:660-3, Mar 73

Reversihle atrioventricular block in myxedema. Singh JB, et al. **Chest** 63:582-5, Apr 73

Partial target organ resistance to thyroid hormone. Bode HH, et al. **J Clin Invest** 52:776-82, Apr 73

Treatment of depression "C" thyroid shock. Abdel-Gawad MS, et al. **J Egypt Med Assoc** 55:551-60, 1972

[Gout and hyperuricemia during fasting. Action of associated thyroid bormone tberapy] Asch L. **Rev Rhum Mal Osteoartic** 40:27-30, Jan 73 (Eng. Abstr.) **(Fre)**

[Therapy of malignant thyroid neoplasms] Heinze HG. **Dtsch Med Wochenschr** 98:996-7, 11 May 73 **(Ger)**

[Treatment of nontoxic goiter with synthetic thyroid hormones] Horster FA, et al. **Dtsch Med Wochenschr** 98:525-8, 16 Mar 73 (Eng. Abstr.) **(Ger)**

[Therapy of hypothyroidism using synthetic tbyroid gland hormones] Rubinjoni Z, et al. **Med Welt** 24:415-7, 16 Mar 73 **(Ger)**

THYROID

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

PHARMACODYNAMICS

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. **Eur J Clin Invest 3:142-50, Mar 73**

METHIMAZOLE

ADMINISTRATION & DOSAGE

[Hyperthyreosis in childhood. II. Therapy] Ijalya K, et al. **Z Aerztl Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)**

ADVERSE EFFECTS

A "collagen-like" syndrome associated with antithyroid therapy. Hung W, et al. **J Pediatr 82:852-4, May 73**

METABOLISM

Effect of phenobarbitone on metabolism of methimazole. Lees JF, et al. **Lancet 1:616, 17 Mar 73**

PHARMACODYNAMICS

Inhibition of brain dopamine- -hydroxylase activity by methimazole. Stolk JM, et al. **Life Sci [II] 12:417-23, 8 May 73**

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med 143:181-4, May 73**

THERAPEUTIC USE

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al. **Endokrinologie 61:52-64, 1973**

Total thyroidectomy for the treatment of Graves' disease in children. Altman RP. **J Pediatr Surg 8:295-300, Apr 73**

[Variations in the scintigraphic picture in thyroid gland adenoma as an effect of metothyrine (methylmercaptoimidazole)] Fényes S. **Nucl Med (Stuttg) 11:333-7, 30 Dec 72 (Eng. Abstr.) (Ger)**

[Hyperthyreosis in childhood. II. Therapy] Ijalya K, et al. **Z Aerztl Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)**

METHYLTHIOURACIL

Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Schneider E, et al. **Chromosoma 41:167-73, 1973**

The relationship between hydrogen bonding and base stacking in crystalline 4-thiouridine derivatives. Saenger W, et al. **Eur J Biochem 32:473-8, 1 Feb 73**

[Immunofluorescent characteristics of experimental blastomogenesis in the thyroid gland] Okulov VB. **Vopr Onkol 18:54-61, 1972 (Eng. Abstr.) (Rus)**

ADVERSE EFFECTS

[The electrocardiogram in the treatment of toxic goiter patients with thyrostatic drugs] Greiser AE, et al. **Klin Med (Mosk) 50:95-8, Aug 72 (Eng. Abstr.) (Rus)**

ANALYSIS

[Tautomerism in drugs, pyrimidine derivatives. II. Uracil derivatives] Rapaport LI. **Farm Zh 27:14-9, 1972 (Eng. Abstr.) (Ukr)**

PHARMACODYNAMICS

Tinctorial differentiation of the cell types in the pars anterior of the sheep. Tassell R, et al. **Aust J Biol Sci 25:1249-57, Dec 72**

Thyroid follicular cell proliferation as a function of age. Christov K, et al. **Beitr Pathol 148:152-64, Feb 73**

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med 143:181-4, May 73**

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al. **Sov J Dev Biol 3:305-12, Jul-Aug 72**

[Histopathological changes in the thyroid glands of cattle and rabbits following feeding with methylthiouracil] Griem W. **Berl Munch Tieraerztl Wochenschr 86:50-6, 1 Feb 73 (Eng. Abstr.) (Ger)**

[Reproduction of experimental hyperlipemia and lipoidosis of the arteries in rats] Kozhura IM, et al. **Fiziol Zh 18:790-5, Nov-Dec 72 (Eng. Abstr.) (Ukr)**

THERAPEUTIC USE

[The electrocardiogram in the treatment of toxic goiter patients with thyrostatic drugs] Greiser AE, et al. **Klin Med (Mosk) 50:95-8, Aug 72 (Eng. Abstr.) (Rus)**

PROPYLTHIOURACIL

Influence of experimental hypothyreosis on the inner ear in rats. Femenić B, et al. **Acta Otolaryngol (Stockh) 75:156-8, Feb-Mar 73**

ADVERSE EFFECTS

A "collagen-like" syndrome associated with antithyroid therapy. Hung W, et al. **J Pediatr 82:852-4, May 73**

PHARMACODYNAMICS

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Wilber JF, et al. **Endocrinology 92:888-93, Mar 73**

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al. **Endocrinology 92:1349-53, May 73**

The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH. **J Endocrinol 56:173-85, Feb 73**

Phosphodiesterase in tongue epithelium: activation by bitter taste stimuli. Price S. **Nature 241:54-5, 5 Jan 73**

Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al. **Proc Soc Exp Biol Med 143:181-4, May 73**

THERAPEUTIC USE

Thyroid acropachy. Thomas J, et al. **Am J Dis Child 125:745-6, May 73**

Total thyroidectomy for the treatment of Graves' disease in children. Altman RP. **J Pediatr Surg 8:295-300, Apr 73**

THIOURACIL

The relationship between hydrogen bonding and base stacking in crystalline 4-thiouridine derivatives. Saenger W, et al. **Eur J Biochem 32:473-8, 1 Feb 73**

BIOSYNTHESIS

Biosynthesis of 5-methylaminomethyl-2-thiouridylate. I. Isolation of a new tRNA-methylase specific for 5-methylaminomethyl-2-thiouridylate. Taya Y, et al. **Biochem Biophys Res Commun 51:1062-8, 16 Apr 73**

PHARMACODYNAMICS

Alkaline ribonuclease inhibitor in rat thyroid. Greif RL, et al. Biochim Biophys Acta 286:350-9, 29 Dec 72
Cyclic AMP and its binding protein in the stimulated thyroid of the rat. Zakarija M, et al.
Life Sci [II] 12:225-31, 8 Mar 73

THYROID ANTAGONISTS

ADMINISTRATION & DOSAGE

[Hyperthyreosis in childhood. II. Therapy] Ijaiya K, et al. Z Aerztl Fortbild (Jena) 67:117-20, 1 Feb 73 (Ger)

ADVERSE EFFECTS

[The electrocardiogram in the treatment of toxic goiter patients with thyrostatic drugs] Greiser AE, et al.
Klin Med (Mosk) 50:95-8, Aug 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Histophysiology of the thyroid gland during administration of mercazolyl] Detiuk ES, et al.
Probl Endokrinol (Mosk) 19:69-73, Jan-Feb 73 (Eng. Abstr.) (Rus)
[The antiarrhythmic action of diiodotyrosine and mercazolyl] Nevelichuk VV.
Fiziol Zh 18:819-21, Nov-Dec 72 (Ukr)

POISONING

Natural non-nutrient substances in the food chain. Fishbein L.
Sci Total Environ 1:211-44, Nov 72 (263 ref.)

THERAPEUTIC USE

The thyroid gland in hyperthyroidism. Sampat MB, et al. Indian J Med Res 60:851-8, Jun 72
["Entrapment" hyperthyroidism resulting from thyroid opotherapy] Visscher M de.
Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Isotopic treatment of hyperthyroidism] Riviere J.
Cah Med 13:1243-9, 30 Dec 72 (Fre)
[Medical treatment and therapeutic indications in hyperthyroidism] Vague J.
Cah Med 13:1257-62, 30 Dec 72 (Fre)
[Hyperthyroidism]
Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Influence of thyrostatic therapy on plasma free fatty acids in patients with decompensated diffuse hyperthyreosis] Morgner KD.
Med Klin 68:310-2, 9 Mar 73 (Eng. Abstr.) (Ger)
[Hypothyroidism following treatment of hyperthyroidism with radioactive iodine (I 131)] Gasiorowski W, et al.
Minerva Med 64:425-8, 24 Feb 73 (Eng. Abstr.) (Ita)
[The electrocardiogram in the treatment of toxic goiter patients with thyrostatic drugs] Greiser AE, et al.
Klin Med (Mosk) 50:95-8, Aug 72 (Eng. Abstr.) (Rus)

V. Related Topics

EXOPHTHALMOS

[Diagnosis and therapy of unilateral exophthalmos] Profeta G, et al.
Acta Neurol (Napoli) 28:85-104, Jan-Feb 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

Orbital scanning with multiple radionuclides. Grove AS Jr, et al. Arch Ophthalmol 89:301-5, Apr 73
Proptosis and cranial nerve palsy in a diabetic patient. Gust WF, et al. Nebr Med J 58:154-5, May 73
[Diagnosis and therapy of unilateral exophthalmos] Profeta G, et al.
Acta Neurol (Napoli) 28:85-104, Jan-Feb 73 (Eng. Abstr.) (Ita)

ETIOLOGY

Meningiomas in the cranio-orbital junction. Stern WE.
J Neurosurg 38:428-37, Apr 73
Proptosis and cranial nerve palsy in a diabetic patient. Gust WF, et al. Nebr Med J 58:154-5, May 73
Subfrontal epidural hematomas. Gruszkiewicz J, et al.
Neurochirurgia (Stuttg) 16:54-9, Mar 73
Exophthalmos with intracerebral arteriovenous malformations. Malzone WF, et al.
Neurology (Minneap) 23:534-8, May 73
[Dermoid cyst of the orbit] François J, et al.
Bull Soc Belge Ophtalmol 161:738-48, 1972 (Eng. Abstr.) (Fre)
[Atypical pretibial myxedema] Barbier JM.
Bull Soc Fr Dermatol Syphiligr 79:200, 1972 (Fre)
[A case of exophthalmos during a generalized lymphocytic syndrome] Bonn G, et al.
Bull Soc Ophtalmol Fr 72:177-82, Feb 72 (Fre)
[Unusual circulatory aspects of carotidocavernous fistulas] Stroobandt G, et al.
Neurochirurgie 18:333-46, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Diagnosis and therapy of unilateral exophthalmos] Profeta G, et al.
Acta Neurol (Napoli) 28:85-104, Jan-Feb 73 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Exophthalmos with intracerebral arteriovenous malformations. Malzone WF, et al.
Neurology (Minneap) 23:534-8, May 73

PREVENTION & CONTROL

Prevention of malignant exophthalmos after treatment of thyrotoxicosis. Winand R, et al.
Lancet 813:1196, 23 May 73

RADIOGRAPHY

Angular-vein phlebography as an aid to the diagnosis of intra-orbital processes. Otto AJ.
Ophthalmologica 165:505-8, 1972

SURGERY

[Diagnosis and therapy of unilateral exophthalmos] Profeta G, et al.
Acta Neurol (Napoli) 28:85-104, Jan-Feb 73 (Eng. Abstr.) (Ita)

THERAPY

[Hyperthyroidism]
Can Med 13:1133-220, 30 Dec 72 (Fre)

IODIDES

Studies towards the complete sequence determination of proteins by mass spectrometry: derivatisation of methionine, cysteine and arginine containing peptides. Morris HR, et al.
Biochem Biophys Res Commun 51:247-55, 5 Mar 73
Studies of radioiodinated fibrinogen. I. Physicochemical properties of the ICl, chloramine-T, and electrolytic reaction products. Krohn K, et al.
Biochim Biophys Acta 285:404-13, 28 Dec 72

ANALYSIS

Metabolism of ethylenediaminedihydriodide and sodium or potassium iodide by dairy cows. Miller JK, et al. J Dairy Sci 56:378-84, Mar 73

BLOOD

Non-toxic goitre. Dyshormonogenesis. Angerbaek H.
Acta Endocrinol (Kbh) 72:671-83, Apr 73
Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma and urine data. Bianchi R, et al.
Ciba Found Symp 9:47-72, 1972
Metabolism of ethylenediaminedihydriodide and sodium or potassium iodide by dairy cows. Miller JK, et al. J Dairy Sci 56:378-84, Mar 73

METABOLISM

A new intestinal tube for studying absorption. Chaudhuri TK, et al.
Am J Gastroenterol 59:315-20, Apr 73
Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Kolthoff reactions. Keller HE, et al. Ann NY Acad Sci 220:3-14, 23 Mar 73
Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma and urine data. Bianchi R, et al.
Ciba Found Symp 9:47-72, 1972
Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al.
J Clin Endocrinol Metab 36:1009-18, May 73
Metabolism of ethylenediaminedihydriodide and sodium or potassium iodide by dairy cows. Miller JK, et al. J Dairy Sci 56:378-84, Mar 73
The transport and metabolism of salicylate in the central nervous system: in vivo studies. Spector R, et al. J Pharmacol Exp Ther 185:276-86, May 73
Uptake and distribution of iodine in grass and clover plants grown in solution culture. Whitehead DC.
J Sci Food Agric 24:43-50, Jan 73
Effect of replacement of medium potassium by sodium, cesium or rubidium on in vitro iodide transport and iodoamino acid synthesis by rat thyroid. Halbach H, et al. Proc Soc Exp Biol Med 143:114-7, May 73
Intrathyroidal recycling of iodide in the rat: effects of goitrogens. Onaya T, et al.
Proc Soc Exp Biol Med 143:181-4, May 73
Short-term measurement of plasma proteins catabolism in man. Bianchi R, et al.
Strahlentherapie [Sonderb] 72:94-101, 1972
In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. Trans Assoc Am Physicians 85:309-16, 1972

PHARMACODYNAMICS

The effects of univalent anions on catecholamine fluxes and adenosine triphosphatase activity in storage vesicles from the adrenal medulla. Taugner G.
Biochem J 130:969-73, Dec 72
Fluorescence quenching, a tool for probing conformational changes in glycogen phosphorylase. Honikel KO, et al. Can J Biochem 51:344-56, Apr 73
Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. Endocrinology 92:946-8, Mar 73
Effect of single administration of small doses of iodide

on thyroid hormone biosynthesis. Langer P.
Endokrinologie 61:43-51, 1973

Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al.
Eur J Clin Invest 3:142-50, Mar 73

Mycoplasmacidal activity of peroxidase-H2O2-halide systems. Jacobs AA, et al.
Infect Immun 5:127-31, Jan 72

[Effect of sodium iodide on water content of the Lig. nucbae in cattle as a result of anionic shielding of positive charging sites in structural proteins] Hellauer H, et al.
Experientia 29:147-50, 15 Feb 73 (Eng. Abstr.) (Ger)

URINE

Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma and urine data. Bianchi R, et al.
Ciba Found Symp 9:47-72, 1972

IODINE

The effect of anions on the oxidase activity of rat ceruloplasmin. Lovstad RA, et al.
Acta Chem Scand 27:121-8, 1973

Studies of radioiodinated fibrinogen. I. Physicochemical properties of the ICl, chloramine-T, and electrolytic reaction products. Krohn K, et al.
Biochim Biophys Acta 285:404-13, 28 Dec 72

On the oxidation of lysozyme by N-bromosuccinimide. Srivastava VK, et al.
Biochim Biophys Acta 285:373-6, 28 Dec 72

Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet. Ekpechi OL, et al.
Endocrinology 92:1376-81, May 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al.
Endocrinology 92:1349-53, May 73

Uptake of 125 I-phloridzin by tubules isolated from the renal cortex of the rat. Heath DA, et al.
J Biol Chem 248:1577-81, 10 Mar 73

Cyclic AMP and its binding protein in the stimulated thyroid of the rat. Zakarija M, et al.
Life Sci [II] 12:225-31, 8 Mar 73

[Effect of perchlorate and thiocyanate anions on the PBI level and exogenous 125 I-thyroxine binding to the blood plasma proteins and diaphragm muscle of the rat in vivo and in vitro] Bohek S, et al.
Endokrynol Pol 24:21-31, Jan-Feb 73 (Eng. Abstr.) (Pol)

ADMINISTRATION & DOSAGE

Autoradiographic studies on iodine distribution in the thyroid gland of the budgerigar (Melopsittacus undulatus). Rohiller F, et al.
Exp Pathol (Jena) 7:345-6, 1972

ADVERSE EFFECTS

Emergency treatment of angiography-induced paraplegia and tetraplegia. Mishkin MM, et al.
N Engl J Med 288:1184-5, 31 May 73

["Entrapment" hyperthyroidism resulting from thyroid opotherapy] Visscher M de.
Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)

[Thyroid insufficiency following amiodarone treatment. 2 new cases] Hazard J, et al.
Nouv Presse Med 2:691-3, 17 Mar 73 (Fre)

[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

[Accidental thoracic myelography using Dimer X] Reinhardt K.
Fortschr Geb Roentgenstr Nuklearmed 118:477-8, 1973 (Ger)

ANALYSIS

Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Koltboff reactions. Keller HE, et al. **Ann NY Acad Sci 220:3-14, 23 Mar 73**

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Feit V, et al.
Endokrinologie 61:65-74, 1973

Elimination of iodine-containing contrast media by haemodialysis. Bahlmann J, et al.
Nephron 10:250-5, 1973

[Determination of iodine in contrast media using radioisotope x-ray fluorescent analysis. Industrial tests] Havránek E, et al.
Cesk Farm 22:130-2, Apr 73 (Eng. Abstr.) (Cze)

[Demonstration of iodine and iodine-substances in biological material] Machata G.
Beitr Gerichtl Med 30:284-8, 1973 (Eng. Abstr.) (Ger)

[Iodine content of drinking water in the endemic goiter area of South Baden. Relationship to the geological structure of soil strata, geographical factors, severity of endemic goiter and diurnal renal iodine excretion] Mertz DP, et al.
Schweiz Med Wochenschr 103:550-6, 14 Apr 73 (Eng. Abstr.) (Ger)

[Correlation between the pH of the dental plaque, the incidence of dental caries, periodontal diseases and thyroid function measured by radioactive iodine] Baba I, et al.
Stomatologia (Bucur) 19:491-6, Nov-Dec 72 (Eng. Abstr.) (Rum)

[Iodoemetric determination of organic pharmaceutical preparations] Emel'ianenko KV, et al.
Farm Zh 27:73-5, 1972 (Ukr)

BIOSYNTHESIS

Effect of replacement of medium potassium by sodium, cesium or rubidium on in vitro iodide transport and iodoamino acid synthesis by rat thyroid. Halbach H, et al. **Proc Soc Exp Biol Med 143:114-7, May 73**

[Relationship between goiter hyperthyroidization and urbanization] Bălan M, et al.
Stud Cercet Endocrinol 24:221-4, 1973 (Rum)

BLOOD

Comparative trial of P1496, a new non-steroidal oestrogen analogue. Utian WH.
Br Med J 1:579-81, 10 Mar 73

Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma and urine data. Bianchi R, et al.
Ciba Found Symp 9:47-72, 1972

Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Wood LC, et al.
Endocrinology 92:1538-43, May 73

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Feit V, et al.
Endokrinologie 61:65-74, 1973

Factors influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Földes J, et al.
Endokrinologie 61:52-64, 1973

Effect of single administration of small doses of iodide on thyroid hormone biosynthesis. Langer P.
Endokrinologie 61:43-51, 1973

Thyroid disorders and glucose tolerance. Correlation of glucose tolerance tests and thyroid function parameters. Zamrazil V, et al.
Endokrinologie 61:37-42, 1973

The effect of methylcholanthrene on biliary thyroxine excretion in normal and Gunn rats. Bastomsky CH, et al. **J Endocrinol 56:267-73, Feb 73**

Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. **J Endocrinol 56:451-62, Mar 73**

Elimination of iodine-containing contrast media by haemodialysis. Bahlmann J, et al.
Nephron 10:250-5, 1973

[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)

[Myxedema caused by iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

[Comparison of function and morphology of the thyroid gland of the hudgerigar (Melopsittacus undulatus)] Rohiller F, et al. Anat Anz 132:401-9, 1972 (Ger)
[Influence of hemodialysis on hormone levels in preterminal renal failure] Bindehalle W, et al. Dtsch Med Wochenschr 98:661-5, 20 Mar 73 (Eng. Abstr.) (Ger)
[Characteristics of the effect of an excess of thyroid hormones in dogs] Jackson IM, et al. Probl Endokrinol (Mosk) 19:73-6, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Study of the absorption of iodine-131 by tbe thyroid gland and level of protein-bound iodine in the blood during the development of liver cirrhosis] Turakulov IaKb, et al. Probl Endokrinol (Mosk) 19:65-9, Jan-Feb 73 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Emergency treatment of angiography-induced paraplegia and tetraplegia. Mishkin MM, et al. N Engl J Med 288:1164-5, 31 May 73

METABOLISM

Non-toxic goitre. Dyshormonogenesis. Angerbaek H. Acta Endocrinol (Kbh) 72:671-83, Apr 73
Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Kolthoff reactions. Keller HE, et al. Ann NY Acad Sci 220:3-14, 23 Mar 73
Kinetics of isotopic equilibration of iodine in individual rat thyroid follicles. Loewenstein JE, et al. Endocrinology 92:894-911, Mar 73
Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. Endocrinology 92:912-6, Mar 73
Paradoxical effect of excess iodide on thyroidal release of organic iodine in tbyroxine-treated animals. Sato A, et al. Endocrinology 92:946-6, Mar 73
Secretion of thyroxine and non-tbyroxine iodine by tbe normal buman thyroid gland. Influence of carbimazole and pharmacological doses of iodide. Bürgi H, et al. Eur J Clin Invest 3:142-50, Mar 73
Autoradiographic studies on iodine distribution in the thyroid gland of tbe budgerigar (Melopsittacus undulatus). Robiller F, et al. Exp Pathol (Jena) 7:345-6, 1972
Defective tbyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound sialyltransferase activity. Monaco F, et al. J Biol Chem 248:2328-36, 10 Apr 73
The effect of methylcbolanthrene on hiliary thyroxine excretion in normal and Gunn rats. Bastomsky CH, et al. J Endocrinol 56:267-73, Feb 73
Seasonal variation in tbyroid bormonogenesis in the Indian garden lizard, Calotes versicolor. Thapliyal JP, et al. J Endocrinol 56:451-62, Mar 73
The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro. Wain WH. J Endocrinol 56:173-65, Feb 73
Uptake and distribution of iodine in grass and clover plants grown in solution culture. Whitebead DC. J Sci Food Agric 24:43-50, Jan 73
Congenital eutbyroid goitre and partial peripheral resistance to thyroid bormones. Lamberg BA. Lancet 606:855-7, 21 Apr 73
Changes in accessibility of plasma membrane protein as the result of tryptic bydrolysis. Phillips DR, et al. Nature [New Biol] 242:213-5, 16 Apr 73
Potentiation of goitrogenic action of sulfonamide by trimetboprim. Kobayasbi R, et al. Proc Soc Exp Biol Med 142:776-60, Mar 73
Effects of a prostaglandin antagonist, polyphloretin phospbate, on basal and stimulated tbyroid function. Sato S, et al. Prostaglandins 1:345-63, May 72
Tbe role of the filtration process in the renal catabolism of labelled insulin. Franckson JR, et al. Rev Eur Etud Clin Biol 17:965-9, Dec 72
[Pendred's syndrome. Apropos of 2 familial cases] Velde-Staquet MF van de, et al. Lille Med 17:1249-55, Oct 72 (Fre)
[Thyroid insufficiency following amiodarone treatment. 2 new cases] Hazard J, et al. Nouv Presse Med 2:691-3, 17 Mar 73 (Fre)
[Effect of rape extraction groats on chick growtb. 3. Effect of graded administration of rape extraction groats on 131 I incorporation in the chick thyroid gland] Bergner H, et al. Arch Tierernaehr 22:41-7, Feb 72 (Eng. Abstr.) (Ger)
[Familial goiter accompanying amhiyacousia and idiocy] Yoshimura M, et al. Clin Endocrinol (Tokyo) 21:167-91, Feb 73 (Jap)
[Effect of TSH on intrathyroid iodine content] Tkaczew AW, et al. Endokrynol Pol 24:11-9, Jan-Feb 73 (Eng. Abstr.) (Pol)
[Radioisotope study of iodine metabolism by the method of competitive analysis] Zubovskii GA, et al. Med Radiol (Mosk) 18:16-22, Jan 73 (Eng. Abstr.) (Rus)
[Study of the absorption of iodine-131 by the tbyroid gland and level of protein-bound iodine in the blood during the development of liver cirrbosis] Turakulov IaKh, et al. Probl Endokrinol (Mosk) 19:65-9, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Cycl AMP and function of the hypothalamo-hypophyseal tbyroid system] Sánchez Martín JA. Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Contraceptive effect of intrauterine application of Lugol's solution. Lin TJ, et al. Am J Obstet Gynecol 116:167-74, 15 May 73
Diphosphopyridine nucleotide-linked D-lactate dehydrogenases from the horseshoe crab, Limulus polypbemus, and the seaworm, Nereis virens. II. Catalytic properties. Long GL, et al. Arch Biochem Biophys 154:711-25, Feb 73
Derepression of a proline transport system in Staphylococcus aureus. Obbink DJ, et al. Can J Microbiol 19:397-401, Apr 73
Temperature-dependent inactivation of tRNA Tyr E.coli acceptor function witb iodine: influence of the 3'-terminal pCpA sequence. Gross HJ, et al. FEBS Lett 30:347-50, 15 Mar 73
Enhancement of tbe alpha adrenergic response in aorta from hypothyroid rabbits. Rosenqvist U, et al. Life Sci [I] 11:595-604, 15 Jun 72

POISONING

[Demonstration of iodine and iodine-substances in biological material] Machata G. Beitr Gerichtl Med 30:284-6, 1973 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Neonatal hyperthyroidism. Orheck H. Acta Paediatr Scand 62:313-6, May 73
The thyroid gland in hyperthyroidism. Sampat MB, et al. Indian J Med Res 60:851-8, Jun 72
Murine fascioliasis: laboratory model for the detection of fasciolicidal activity of chemical compounds. Hayes TJ, et al. J Parasitol 59:314-8, Apr 73
Congenital eutbyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. Lancet 606:655-7, 21 Apr 73
[Action and tolerance of Proclival. Study on 38 cases of essential arterial hypertension] Bretelle J. Bord Med 5:2769-97, Dec 72 (Fre)
[Hyperthyroidism] Cah Med 13:1133-220, 30 Dec 72 (Fre)
[Iodine overload and hypothyroidism] Hazard J. Nouv Presse Med 2:685-6, 17 Mar 73 (Fre)
[Iodohromine waters in tbe treatment of epididymitis patients] Zorin PM. Urol Nefrol (Mosk) 38:65-6, Jan-Feb 73 (Rus)
[Etiologic factors of endemic goiter and problems of its prevention in Slovakia] Podoba J. Bratisl Lek Listy 59:385-96, Apr 73 (Eng. Abstr.) (Slo)

TOXICITY

Chick-embryo deaths traced to tincture of iodine. McComb DE, et al. J Infect Dis 127:581, May 73

URINE

The effect of preoperative surgical scrubbing with povidone iodine on urinary iodine levels. Connolly RJ, et al. Aust NZ J Surg 42:94-5, Aug 72
Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma

and urine data. Bianchi R, et al.
Ciba Found Symp 9:47-72, 1972

Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Feit V, et al.
Endokrinologie 61:65-74, 1973

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feh 72 (Eng. Abstr.) (Fre)

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)

[Myxedema caused hy iodine (apropos of a case due to amiodarone)] Guinet P, et al.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Eng. Abstr.) (Fre)

[Iodine content of drinking water in the endemic goiter area of South Baden. Relationship to the geological structure of soil strata, geographical factors, severity of endemic goiter and diurnal renal iodine excretion] Mertz DP, et al.
Schweiz Med Wochenschr 103:550-6, 14 Apr 73 (Eng. Abstr.) (Ger)

IODOPROTEINS

METABOLISM

Kinetics of isotopic equilihration of iodine in individual rat thyroid follicles. Loewenstein JE, et al.
Endocrinology 92:894-911, Mar 73

LONG-ACTING THYROID STIMULATOR

ADMINISTRATION & DOSAGE

Appearance of amine-containing mast cells in the mouse thyroid induced hy the human long-acting thyroid stimulator (LATS). Melander A, et al.
Endocrinology 92:1362-6, May 73

ANALYSIS

Factors influencing the relationship hetween lahelled triiodothyronine and thyroxine levels in the serum of patients with Graves' disease. Fölides J, et al.
Endokrinologie 61:52-64, 1973

[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)

BLOOD

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients hy measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al.
J Clin Endocrinol Metab 36:859-66, May 73

Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73

[Familial Basedow's disease in 3 generations] Gilhert-Dreyfus, et al.
Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)

PHARMACODYNAMICS

Appearance of amine-containing mast cells in the mouse thyroid induced hy the human long-acting thyroid stimulator (LATS). Melander A, et al.
Endocrinology 92:1362-6, May 73

Induction of a LATS-like response hy thyroglohulin in the McKenzie assay system. Wood LC, et al.
Endocrinology 92:1538-43, May 73

Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al.
J Biol Chem 248:350-5, 10 Jan 73

PHYSIOLOGY

[Acute crisis in endocrine system diseases] Pacyński A.
Endokrynol Pol 24:1-10, Jan-Feh 73 (Pol)

PROTEIN-BOUND IODINE TEST

Hyperthyroidism as a possihle complication of the treatment of ischemic heart disease with amiodarone. Jonckheer MH, et al.
Acta Cardiol (Brux) 28:192-200, 1973

The effect of thyroidectomy on pancreatic exocrine secretion. Kaynan A, et al.
Am J Gastroenterol 59:336-9, Apr 73

Discriminant value of thyroid function tests. Barnett DB, et al. Br Med J 2:144-7, 21 Apr 73

Grades of hypothyroidism. Evered DC, et al.
Br Med J 1:657-62, 17 Mar 73

Remission of thyrotoxicosis during treatment with propranolol. McLarty DG, et al.
Br Med J 2:332-4, 12 May 73

Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 2:87-90, 14 Apr 73

Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals. Sato A, et al. Endocrinology 92:946-8, Mar 73

Thyroid disorders and glucose tolerance. Correlation of glucose tolerance tests and thyroid function parameters. Zamrazil V, et al.
Endokrinologie 61:37-42, 1973

Effect of insulin induced hypoglycaemia on thyroid function and thyroxine turnover. Blum C, et al.
Eur J Clin Invest 3:124-9, Mar 73

Thyroid disease in pregnancy. Caleel GT.
J Am Osteopath Assoc 72:635-7, Feh 73

Binding properties of the human complement protein C1q. Siedge CR, et al.
J Biol Chem 248:2818-23, 25 Apr 73

Alteration of circadian temperature rhythm with third ventricular ohstruction. Page RB, et al.
J Neurosurg 38:309-19, Mar 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mahry CC, et al.
J Pediatr 82:625-33, Apr 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

Elimination of iodine-containing contrast media hy haemodialysis. Bahlmann J, et al.
Nephron 10:250-5, 1973

Localization of I 125 labelled antihodies against tumour-associated proteins from experimental rat mammary neoplasms. Kellen JA, et al.
Res Commun Chem Pathol Pharmacol 5:411-20, Mar 73

[Familial thyrosine-binding globulin deficiency. A genetic and hiochemical assessment of 3 Danish families] Strunge P.
Ugeskr Laeger 135:857-61, 7 May 73 (Eng. Abstr.) (Dan)

[Comparison of the diagnostic value of different thyroid use of discriminant functions] Fragu P, et al.
Ann Endocrinol (Paris) 33:5-22, Jan-Feh 72 (Eng. Abstr.) (Fre)

[Radioisotopic study of thyroid function] Blanquet P, et al. Bord Med 5:2310-4, Nov 72 (Fre)

[Biological investigation in hyperthyroidism] Guinet P.
Cah Med 13:1235-42, 30 Dec 72 (Fre)

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)

[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) (Fre)

[Hyperthyroidism of a single thyroid lobe. Apropos of 3 cases] Jaffiol C, et al.
Sem Hop Paris 49:325-7, 26 Jan 73 (Eng. Abstr.) (Fre)

[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

[Masked hyperthroid crisis] Heberling HJ, et al.
Z Gesamte Inn Med 28:75-8, 1 Feh 73 (Eng. Abstr.) (Ger)

[Temporal relationship between metaholic reactions and changes of epithelial cells in the thyroid gland] Rohiller F, et al.
Z Mikrosk Anat Forsch 86:343-8, 1972 (Eng. Abstr.) (Ger)

[Experimental and clinical evaluation of blood thyroxine determination using the Thyopac-4 kit] Ilgaya K, et al.
Clin Endocrinol (Tokyo) 21:203-9, Feh 73 (Jap)

[Protein-hound iodine level in the hlood serum of parturients] Stancheva M, et al.
Akush Ginekol (Mosk) 49:44-6, Feb 73 (Rus)

THYROXINE-BINDING PROTEIN

Non-toxic goitre. Dyshormonogenesis. Angerbaek H.
Acta Endocrinol (Kbh) 72:671-83, Apr 73

Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Bános C, et al. Endokrinologie 61:32-6, 1973

Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML.
J Nucl Med 14:336-40, Jun 73

Thyroid nodule producing T3 toxicosis in a child. Popma BH, et al. Mayo Clin Proc 48:273-5, Apr 73

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973

[Changes of indices of unbound thyroxine and relationship of protein and lipid metabolism] Felt V, et al.
Cas Lek Cesk 112:309-12, 9 Mar 73 (Eng. Abstr.) (Cze)

[Familial thyroxine-binding globulin deficiency. A genetic and biochemical assessment of 3 Danish families] Strunge P.
Ugeskr Laeger 135:857-61, 7 May 73 (Eng. Abstr.) (Dan)

[Iodine overload and hypothyroidism] Hazard J.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)

[Glycoproteins of the human plasma] Schwick HG, et al.
Wien Klin Wochenschr 85:213-6, 6 Apr 73 (28 ref.) (Eng. Abstr.) (Ger)

ANALYSIS

Gel filtration of thyroxine-binding proteins systematic study of rat liver. Hocman G.
J Chromatogr 77:439-41, 28 Mar 73

Functioning solitary nodule of the thyroid in a child. Rosenbloom AL. J Pediatr 82:491-3, Mar 73

Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA.
Lancet 808:855-7, 21 Apr 73

[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) (Fre)

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)

BLOOD

Thyroid hormone-binding in opossum serum: evidence for polymorphism and relationship to haptoglobin polymorphism. Davis PJ, et al.
Endocrinology 92:822-32, Mar 73

PHARMACODYNAMICS

Serum triiodothyronine determination by saturation analysis. Burger A, et al.
Acta Endocrinol (Kbh) 72:714-26, Apr 73

I. Physical and Functional Aspects

ADRENAL GLANDS

Wolman's disease: report of two new cases, with a review of the literature. Raafat F, et al.
Am J Clin Pathol 59:490-7, Apr 73

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972

Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73

Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Vapaatalo H, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72

[The ulcerogenic effect of the adrenal cortex and 1,2-dehydrocortisone implanted into the stomach walls of rabbits (a histochemical study)] Grenda I, et al. Arkh Patol 34:29-35, 1972 (Eng. Abstr.) (Rus)

ABNORMALITIES

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

[Unusual abnormalities of adrenal glands] Koenig UD.
Anat Anz 132:303-9, 1972 (Ger)

ANALYSIS

In vivo sulfation of cholesterol by ascorbic acid 2-sulfate. Verlangieri J, et al.
Atherosclerosis 17:37-48, Jan-Feb 73

Genetic and biochemical studies of the adrenal lipid depletion phenotype in mice. Doering CH, et al.
Biochem Genet 8:101-11, Jan 73

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

Tissue lipids in lethally X-irradiated rats. 3. Changes in adrenals, kidneys, heart and skeletal muscle and lungs. Ahlers I, et al. Folia Biol (Praha) 19:135-9, 1973

Ascorbic acid and cholesterol of blood and adrenals during estrous cycle in Surti buffalo heifers. Zala PM, et al. Indian J Exp Biol 10:312-4, Jul 72

Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Lihertun C, et al.
J Endocrinol 55:221-2, Oct 72

Drug biotransformation reactions in the human fetal adrenal gland. Juchau MR, et al.
Life Sci [II] 12:193-204, 8 Mar 73

Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73

The mode of adrenal gland enlargement in the rat in response to exercise training. Song MK, et al.
Pfluegers Arch 339:59-68, 5 Mar 73

Assay of phenylethanolamine N-methyltransferase. Burke WJ, et al.
Proc Soc Exp Biol Med 142:928-32, Mar 73

Innervation of bone marrow in the rabbit. Miller ML, et al. Scand J Haematol 10:17-23, 1973

A study on the levels of nucleic acids, protein and phosphatases in normal and X-irradiated guinea pigs. Bhatavdekar JM, et al.
Strahlentherapie 145:83-7, Jan 73

[Concentration and rate of disappearance of corticosterone in relation to the quality of alimentary proteins in growing rats] Kamoun A.
Pathol Biol (Paris) 21:123-32, Feb 73 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

On the occurrence of lymphatic vessels in the adrenal gland of the white rat. Verhofstad AA, et al.
Acta Anat (Basel) 84:475-83, 1973

Human model for comparing localization factors in metastasis. Onuigbo WI. Arch Pathol 95:260-1, Apr 73

The structure and function of adrenal autotransplants. Wright RD, et al.
Aust J Exp Biol Med Sci 50:873-92, Dec 72

Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and blood metabolite levels of steers. Borger ML, et al. J Anim Sci 36:706-11, Apr 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73

The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72

Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. J Physiol (Lond) 229:681-95, Mar 73

Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73

Effect of ovariectomy and constant dark on the weight of reproductive and certain other organs in the female vole, Microtus montanus. Vaughan MK, et al.
J Reprod Fertil 32:9-14, Jan 73

Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73

The mode of adrenal gland enlargement in the rat in response to exercise training. Song MK, et al.
Pfluegers Arch 339:59-68, 5 Mar 73

Brain amine and adrenal enzyme levels in aggressive, bulbectomized rats. Eichelman B, et al.
Physiol Behav 9:483-5, Sep 72

Physiological development of cockerels as influenced by selected wavelengths of environmental light. Foss DC, et al. Poult Sci 51:1922-7, Nov 72

Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73

Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al.
Proc Soc Exp Biol Med 142:776-80, Mar 73

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72

Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72

Use of a microtome-cryostat for precision cutting of

serial sections of paraffin-embedded tissues. Richter ME. Stain Technol 48:97-8, Mar 73

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

BLOOD SUPPLY

On the occurrence of lymphatic vessels in the adrenal gland of the white rat. Verhofstad AA, et al. Acta Anat (Basel) 84:475-83, 1973

Cardiovascular effects of hemorrhage during endotoxemia in unanesthetized monkeys. Miller RL, et al. Am J Physiol 224:1087-91, May 73

Inferior phrenic artery collateralization in hepatic artery occlusion. Wirtanen GW, et al. Am J Roentgenol Radium Ther Nucl Med 117:615-9, Mar 73

Natural history of adrenal haemorrhage in the newborn. Black J, et al. Arch Dis Child 48:183-90, Mar 73

Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure. Conn JW, et al. Arch Intern Med 131:554-7, Apr 73

The structure and function of adrenal autotransplants. Wright RD, et al. Aust J Exp Biol Med Sci 50:873-92, Dec 72

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al. Endocrinology 92:1502-6, May 73

Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al. J Endocrinol 56:413-9, Mar 73

Spread of radiopaque solution in the epidural space of a human neonate. Hassan SZ, et al. J Reprod Med 10:31-4, Jan 73

Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. J Urol 109:757-60, May 73

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 18-1973. N Engl J Med 288:957-63, 3 May 73

Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. Obstet Gynecol 41:650-4, May 73

Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73

Platelets in the cytoplasm of adrenocortical cells injured by temporary ischemia. Kovacs K, et al. Z Mikrosk Anat Forsch 86:394-8, 1972

[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al. Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)

[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O. Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

CYTOLOGY

A study of some of the histological and histochemical features of the zona reticularis. Mikhail Y. Acta Anat (Basel) 84:498-508, 1973

Unusual mitochondrial morphology in the rat adrenal cortex following hypophysectomy. Sharawy M, et al. Am J Anat 136:395-401, Mar 73

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. Anat Rec 175:607-23, Mar 73

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE. Ann NY Acad Sci 203:123-6, 18 Dec 72

A stimulation by phosphate of malate transport and oxidation in rat adrenal mitochondria. Sauer LA, et al. Biochemistry 12:643-9, Feb 73

The use of menadione as an intermediate hydrogen-carrier for measuring cytoplasmic dehydrogenating enzyme activities. Chayen J, et al. Histochemie 35:75-80, 1973

Characterization of an adrenal activator for cholesterol side chain cleavage. Kan KW, et al. J Biol Chem 248:2863-75, 25 Apr 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al. J Biol Chem 248:2409-17, 10 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al. J Biol Chem 248:9-14, 10 Jan 73

Peroxisomes in inner adrenocortical cells of fetal and adult guinea pigs. Black VH, et al. J Cell Biol 57:345-58, May 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al. J Clin Invest 52:835-42, Apr 73

Morphological differentiation of adrenal cortical cells induced by a 40-minute exposure to corticotrophin. Milner AJ. J Endocrinol 56:325-6, Feb 73

Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. J Endocrinol 56:529-36, Mar 73

Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. Richardson MC, et al. J Endocrinol 55:127-39, Oct 72

Metabolism of pregnenolone in adrenal homogenates at low temperatures. Holzbauer M, et al. J Steroid Biochem 4:33-40, Jan 73

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B. J Steroid Biochem 4:85-118, Jan 73 (88 ref.)

Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study. Nussdorfer GC, et al. Lab Invest 28:332-42, Mar 73

Drug biotransformation reactions in the human fetal adrenal gland. Juchau MR, et al. Life Sci [II] 12:193-204, 8 Mar 73

5 -3 -Hydroxysteroid dehydrogenase activity in the adrenal cortex of the sodium-restricted pregnant rat. Pohanka DG, et al. Proc Soc Exp Biol Med 142:1092-6, Apr 73

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al. Sov J Dev Biol 3:305-12, Jul-Aug 72

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

[Mitoses, cell multiplication and cell displacement in the adrenal cortex. Histometric and autoradiographic studies following subtotal and unilateral epinephrectomy] Günther G. Endokrinologie 60:356-78, 1972 (Eng. Abstr.) (Ger)

[Function of fetal adrenal cortex] Matsumoto Y, et al. Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

[The relationship between the problem of the x-zone and the histogenesis of the adrenals of the golden hamster (Mesocricetus auratus Waterh.)] Sokolov VI. Arkh Anat Gistol Embriol 63:65-75, Jul 72 (Eng. Abstr.) (Rus)

[Cell changes in the rat adrenal cortex during repeated administration of ACTH] Kirillov OI. Probl Endokrinol (Mosk) 19:99-101, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA. Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. Acta Endocrinol (Kbh) 72:737-45, Apr 73

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. Anat Rec 175:607-23, Mar 73

Diuretic action of three sulfonylurea drugs. Moses AM, et al. Ann Intern Med 78:541-4, Apr 73

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE. Ann NY Acad Sci 203:123-6, 18 Dec 72

Lack of antihypertensive effects of chronic administration of DL-propranolol in Grollman rats. Menard J, et al.
Arch Int Pharmacodyn Ther 202:298-303, Apr 73

The cardiovascular actions of nicotine in the rat. Sutton I, et al. Arch Int Pharmacodyn Ther 202:5-16, Mar 73

Enhancement of biologic activity and secretion of corticosteroid by a triazine derivative in rats. Kamhayashi Y, et al. Arzneim Forsch 23:225-7, Feb 73

The effect of serotonin and potassium on corticosterone and aldosterone production by isolated zona glomerulosa cells of the rat adrenal cortex. Tait SA, et al.
Aust J Exp Biol Med Sci 50:833-46, Dec 72

Effect of 6-substituted benzo(a)pyrene derivatives upon mouse liver. Dewhurst F, et al.
Biochem Pharmacol 22:561-6, 1 Mar 73

Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al.
Biochim Biophys Acta 304:203-9, 30 Mar 73

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. Endocrinology 92:743-9, Mar 73

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73

Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. Endocrinology 92:679-86, Mar 73

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al.
Endocrinology 92:1502-6, May 73

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat. Sólyom J.
Endokrinologie 61:92-6, 1973

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. Eur J Biochem 32:506-12, 1 Feb 73

Unexpected action of carcinogenes on the proliferative activity of the adrenal cortex in experimentally induced liver regeneration. Danz M, et al.
Exp Pathol (Jena) 7:213-6, 1972

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73

Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonadal activity of male rats. Ling GM, et al.
Int J Clin Pharmacol 7:1-5, Feb 73

Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A.
Int J Radiat Biol 23:415-6, Apr 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al.
J Biol Chem 248:2409-17, 10 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al.
J Biol Chem 248:9-14, 10 Jan 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73

Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73

Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Lihertun C, et al.
J Endocrinol 55:221-2, Oct 72

Morphological differentiation of adrenal cortical cells induced by a 40-minute exposure to corticotrophin. Milner AJ. J Endocrinol 56:325-6, Feb 73

Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. J Endocrinol 57:123-34, Apr 73

The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:537-49, Mar 73

Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:529-36, Mar 73

The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. J Endocrinol 55:31-40, Oct 72

Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73

The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. J Physiol (Lond) 229:681-95, Mar 73

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

Ultrastructural changes in adrenal, spleen and liver tissue, induced by chlorphentermine. Lüllmann H, et al. Klin Wochenschr 51:284-5, 15 Mar 73

Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study. Nussdorfer GC, et al.
Lab Invest 28:332-42, Mar 73

Alteration of sexual behavior and sex accessory glands by p-chlorophenylalanine and testosterone. Gawienowski AM, et al. Life Sci [I] 12:307-15, 1 Apr 73

Adrenocortical response to ACTH in Addison's disease. Tyler FH. N Engl J Med 288:854-5, 19 Apr 73

The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72

Corticoids and respiratory distress. Holm WW.
Pediatrics 51:955-6, May 73

The mode of adrenal gland enlargement in the rat in response to exercise training. Song MK, et al.
Pfluegers Arch 339:59-68, 5 Mar 73

Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73

Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al.
Proc Soc Exp Biol Med 142:1295-300, Apr 73

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72

Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73

Structure-activity study of adrenocortical inhibiting 2,2-diphenethylamines. Tinland B.
Res Commun Chem Pathol Pharmacol 5:837-42, May 73

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skehel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Collins EJ, et al.
Steroids 21:443-55, Mar 73

Effect of neonatal administration of norethynodrel-mestranol on the reproductive system

of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72
Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. Toxicol Appl Pharmacol 24:468-73, Mar 73
Interactions between diphenylhydantoin and tolbutamide in mice. Mennear JH, et al.
Toxicol Appl Pharmacol 24:309-16, Feb 73
Current status of oral contraceptives. Curet LB.
Wis Med J 72:135-7, May 73
[Adrenocortical activity in piglets at weaning in comparison with exogenous stimulation with ACTH] Dvořák M.
Vet Med (Praha) 17:671-8, 1972 (Eng. Abstr.) (Cze)
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Protective effects of metformin (NN-dimethylbiguanide) on hypothyroidism and fatty infiltration of the adrenal cortex induced by a cholesterol diet in rabbits] Marquié G, et al.
Pathol Biol (Paris) 21:133-9, Feb 73 (Eng. Abstr.) (Fre)
[Should ACTH be given after finished corticosteroid therapy?] Frey H.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)
[Efficacy and side effects of modern contraceptives] Okla J. Pol Tyg Lek 28:135-8, 22 Jan 73 (16 ref.) (Pol)
[Cell changes in the rat adrenal cortex during repeated administration of ACTH] Kirillov OI.
Probl Endokrinol (Mosk) 19:99-101, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matiina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Effect of factors changing catecholamine metabolism on the dynamics of nonesterified fatty acids in the liver and blood] Menisov AK.
Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA.
Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Pathological and morphological changes in chickens during poisoning with alkylsevin 68-76] Mukhamedshin RA. Veterinariia 8:93-5, Aug 72 (Rus)
[Current concepts of the mechanism of action o,p'-DDD on the adrenal cortex function] Komisarenko VP, et al. Fiziol Zh 18:579-84, Sep-Oct 72 (Eng. Abstr.) (Ukr)
[The effect of thymosin on the functional state of the adrenal cortex in guinea pigs] Malyzbev VA, et al.
Fiziol Zh 18:828-31, Nov-Dec 72 (Ukr)

EMBRYOLOGY

De novo synthesis of cholesteryl esters in previable human foetuses. Cekan Z, et al.
Biochim Biophys Acta 296:196-202, 19 Jan 73
Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al.
Biochim Biophys Acta 304:203-9, 30 Mar 73
Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73
Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72
Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72
[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)
[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
[Pituitary function in the fetus] Velle W.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)
[The relationship between the problem of the x-zone and the histogenesis of the adrenals of the golden hamster (Mesocricetus auratus Waterb.)] Sokolov VI.
Arkh Anat Gistol Embriol 63:65-75, Jul 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

A study of some of the histological and histochemical features of the zona reticularis. Mikhail Y.
Acta Anat (Basel) 84:498-508, 1973
Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE.
Ann NY Acad Sci 203:123-6, 18 Dec 72
Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al.
Biochim Biophys Acta 304:203-9, 30 Mar 73
Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973
Isozymes of amine oxidase in human plasma and other tissues. Raucb N, et al. Experientia 29:215-7, 15 Feb 73
The use of menadione as an intermediate hydrogen-carrier for measuring cytoplasmic dehydrogenating enzyme activities. Chayen J, et al.
Histochemie 35:75-80, 1973
Intracellular distribution of arylsulphatase activity in adrenal cortical cells of the rat. Rappay G, et al.
Histochemie 34:271-4, 1973
Adrenal choline acetyltransferase activity: sustained effects of chronic intermittent psychological and psychosocial stimulation. Welch BL, et al.
Int J Neurosci 5:95-9, Mar 73
Characterization of an adrenal activator for cholesterol side chain cleavage. Kan KW, et al.
J Biol Chem 248:2868-75, 25 Apr 73
Rat brain tyrosine hydroxylase. Activation by limited tryptic proteolysis. Kuczenski R.
J Biol Chem 248:2261-5, 10 Apr 73
-Glutamyl cyclotransferase. Distribution, isozymic forms, and specificity. Orlowski M, et al.
J Biol Chem 248:2836-44, 25 Apr 73
Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73
Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73
Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:529-36, Mar 73
Adrenal and striatal tyrosine hydroxylase activity after methamphetamine. Koda LY, et al.
J Pharmacol Exp Ther 185:42-8, Apr 73
Metabolism of pregnenolone in adrenal homogenates at low temperatures. Holzbauer M, et al.
J Steroid Biochem 4:33-40, Jan 73
Catecholamines: strain differences in biosynthetic enzyme activity in mice. Ciaranello RD, et al.
Life Sci [I] 11:565-72, 15 Jun 72
Drug biotransformation reactions in the human fetal adrenal gland. Juchau MR, et al.
Life Sci [II] 12:193-204, 8 Mar 73
The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72
Brain amine and adrenal enzyme levels in aggressive, bulbectomized rats. Eichelman B, et al.
Physiol Behav 9:483-5, Sep 72
Assay of phenylethanolamine N-methyltransferase. Burke WJ, et al.
Proc Soc Exp Biol Med 142:928-32, Mar 73
5 -3 -Hydroxysteroid dehydrogenase activity in the adrenal cortex of the sodium-restricted pregnant rat. Pohanka DG, et al.
Proc Soc Exp Biol Med 142:1092-6, Apr 73
Quantitative estimation of a primate-specific esterase

in normal and malignant tissue. Vladutiu GD, et al. **Proc Soc Exp Biol Med** 143:109-13, May 73

Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Matkovics B, et al. **Steroids Lipids Res** 3:118-24, 1972

The epimeric 20-hydroperoxy-5-pregnen-3-ols: thermal and enzymatic decomposition. Lier JE van, et al. **Steroids** 21:521-36, Apr 73

[Clinical study of arylamidases] Pappo A. **Rev Roum Med Intern** 9:517-29, 1972 (105 ref.) (Fre)

[The relationship between the problem of the x-zone and the histogenesis of the adrenals of the golden hamster (Mesocricetus auratus Waterh.)] Sokolov VI. **Arkh Anat Gistol Embriol** 63:65-75, Jul 72 (Eng. Abstr.) (Rus)

[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA. **Probl Endokrinol (Mosk)** 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

The structure and function of adrenal autotransplants. Wright RD, et al. **Aust J Exp Biol Med Sci** 50:873-92, Dec 72

A thymus dependent function of the adrenal cortex and its relation to immunity. Pierpaoli W, et al. **Experientia** 28:851-2, 15 Jul 72

Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. **J Endocrinol** 56:529-36, Mar 73

The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. **J Physiol (Lond)** 229:681-95, Mar 73

The development of daily change in serum corticosterone in pre-weaning rats. Ramaley JA. **Steroids** 21:433-42, Mar 73

Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. **Toxicol Appl Pharmacol** 24:468-73, Mar 73

[The relationship between the problem of the x-zone and the histogenesis of the adrenals of the golden hamster (Mesocricetus auratus Waterh.)] Sokolov VI. **Arkh Anat Gistol Embriol** 63:65-75, Jul 72 (Eng. Abstr.) (Rus)

[Effect of fractionated radiation on the radiosensitivity and course of repair processes in mouse ontogenesis] Chudinovskaia GA, et al. **Zh Obshch Biol** 34:305-14, Mar-Apr 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al. **Arch Dermatol** 107:407-12, Mar 73

A thymus dependent function of the adrenal cortex and its relation to immunity. Pierpaoli W, et al. **Experientia** 28:851-2, 15 Jul 72

Fluorescent anti-colon and organ-specific antibodies in ulcerative colitis. Marcussen H, et al. **Scand J Gastroenterol** 8:9-15, 1973

INJURIES

Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure. Conn JW, et al. **Arch Intern Med** 131:554-7, Apr 73

INNERVATION

A study of some of the histological and histochemical features of the zona reticularis.' Mikhail Y. **Acta Anat (Basel)** 84:498-508, 1973

The structure and function of adrenal autotransplants. Wright RD, et al. **Aust J Exp Biol Med Sci** 50:873-92, Dec 72

Adrenal choline acetyltransferase activity: sustained effects of chronic intermittent psychological and psychosocial stimulation. Welch BL, et al. **Int J Neurosci** 5:95-9, Mar 73

METABOLISM

A study of some of the histological and histochemical features of the zona reticularis. Mikhail Y. **Acta Anat (Basel)** 84:498-508, 1973

Studies on the metabolism of C 19 steroids in the foeto-placental unit. 6. Formation and metabolism of testosterone sulphate in the intact foeto-placental unit. Ermini M, et al. **Acta Endocrinol (Kbh)** 72:786-800, Apr 73

Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. **Acta Endocrinol (Kbh)** 72:737-45, Apr 73

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. **Acta Endocrinol (Kbh)** 72:746-52, Apr 73

Steroid hormone levels in human fetal blood during delivery. Aral K, et al. **Am J Obstet Gynecol** 114:812-5, 15 Nov 72

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE. **Ann NY Acad Sci** 203:123-6, 18 Dec 72

Vitamin E and metabolic regulation. Nair PP. **Ann NY Acad Sci** 203:53-61, 18 Dec 72 (24 ref.)

Peripheral tissue distribution, brain distribution and metabolism of mescaline- 14 C in monkeys. Taska RJ, et al. **Arch Int Pharmacodyn Ther** 202:66-78, Mar 73

The effect of serotonin and potassium on corticosterone and aldosterone production by isolated zona glomerulosa cells of the rat adrenal cortex. Tait SA, et al. **Aust J Exp Biol Med Sci** 50:833-46, Dec 72

Genetic and biochemical studies of the adrenal lipid depletion phenotype in mice. Doering CH, et al. **Biochem Genet** 8:101-11, Jan 73

Metabolic studies of synthetic isojuripidine in the dog and rat. Valzelli G, et al. **Biochem Pharmacol** 22:911-8, 15 Apr 73

Cholesterol hydroxylation in the adrenal cortex and liver. Boyd GS, et al. **Biochem Soc Symp** 34:207-26, 1972

On the role of sterol hydroperoxides in steroid metabolism. Lier JE van, et al. **Biochem Soc Symp** 34:21-43, 1972 (115 ref.)

A stimulation by phosphate of malate transport and oxidation in rat adrenal mitochondria. Sauer LA, et al. **Biochemistry** 12:643-9, Feb 73

De novo synthesis of cholesteryl esters in previable human foetuses Cekan Z, et al. **Biochim Biophys Acta** 296:196-202, 19 Jan 73

Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. **Endocrinology** 92:743-9, Mar 73

Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. **Endocrinology** 92:679-86, Mar 73

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al. **Endocrinology** 92:1502-6, May 73

Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat. Sólyom J. **Endokrinologie** 61:92-6, 1973

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem** 32:506-12, 1 Feb 73

The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al. **Gen Comp Endocrinol** 20:331-41, Apr 73

Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonadal activity of male rats. Ling GM, et al. **Int J Clin Pharmacol** 7:1-5, Feb 73

Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A. **Int J Radiat Biol** 23:415-6, Apr 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al. **J Biol Chem** 248:2409-17, 10 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al. **J Biol Chem** 248:9-14, 10 Jan 73

Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by the human

fetus in early gestation. Murphy BE.
J Clin Endocrinol Metab 36:1037-8, May 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73

The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:537-49, Mar 73

Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. Richardson MC, et al. J Endocrinol 55:127-39, Oct 72

The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al.
J Endocrinol 56:387-402, Mar 73

Late onset mitochondrial myopathy. Shibasaki H, et al.
J Neurol Sci 18:301-10, Mar 73

Distribution of 14 C-isoxazole in adrenals, ovaries, and breast carcinoma. Ryo UY, et al.
J Nucl Med 14:321-5, Jun 73

Effect of chromium and tungsten on L-ascorbic acid metabolism in rats and chicks. Chatterjee GC, et al.
J Nutr 103:509-14, Apr 73

Adrenal and striatal tyrosine hydroxylase activity after methamphetamine. Koda LY, et al.
J Pharmacol Exp Ther 185:42-8, Apr 73

Metabolism of pregnenolone in adrenal homogenates at low temperatures. Holzbauer M, et al.
J Steroid Biochem 4:33-40, Jan 73

Formation of 2-methoxyoestrone from oestrone in human foetal adrenals in vitro. Stárka L, et al.
J Steroid Biochem 4:17-9, Jan 73

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)

Catecholamines: strain differences in biosynthetic enzyme activity in mice. Ciaranello RD, et al.
Life Sci [I] 11:565-72, 15 Jun 72

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

Lipid metabolism following triglyceride ingestion in intact and adrenalectomized rats. Fleischman AI, et al. Lipids 8:170-6, Apr 73

Quantification of lowered cholesterol oxidation in guinea pigs with latent vitamin C deficiency. Ginter E, et al. Lipids 8:135-41, Mar 73

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al.
Nature [New Biol] 241:84-5, 17 Jan 73

On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erbler HC.
Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973

The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72

Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al.
Neuroendocrinology 11:92-100, 1973

Vinblastine and vincristine: a study of their action on tissue concentrations of epinephrine, norephinephrine and acetylcholine. Cheney DL, et al.
Neuropharmacology 12:233-8, Mar 73

Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skehel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. Toxicol Appl Pharmacol 24:468-73, Mar 73

[Adrenocortical activity in piglets at weaning in comparison with exogenous stimulation with ACTH] Dvořák M.
Vet Med (Praha) 17:671-8, 1972 (Eng. Abstr.) (Cze)

[Protective effects of metformin (NN-dimethylbiguanide) on hypothyroidism and fatty infiltration of the adrenal cortex induced by a cholesterol diet in rabbits] Marquié G, et al.
Pathol Biol (Paris) 21:133-9, Feb 73 (Eng. Abstr.) (Fre)

[Effect of vibration of catecholamine content in the brain, adrenals and spleen] Goi ahek W.
Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Eng. Abstr.) (Pol)

[The relationship between the problem of the x-zone and the histogenesis of the adrenals of the golden hamster (Mesocricetus auratus Waterh.)] Sokolov VI.
Arkh Anat Gistol Embriol 63:65-75, Jul 72 (Eng. Abstr.) (Rus)

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matilna ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Effect of factors changing catecholamine metabolism on the dynamics of nonesterified fatty acids in the liver and blood] Menisov AK.
Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Morphological aspects of the problem of hypophyseal regulation of the glomerular zone of the adrenal gland. I. Reaction of glomerular cells to ACTH and hypophysectomy] Tkacheva GA.
Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Adrenal glucocorticoid function in patients with the alimentary-constitutional form of obesity] Oleĭnik VA. Vrach Delo 11:102-4, Nov 72 (Eng. Abstr.) (Rus)

[Sorption activity of cells of endocrine organs in pregnancy] Znamens'ka OI.
Fiziol Zh 18:687-8, Sep-Oct 72 (Ukr)

[The effect of galascorbin on metabolism in the guinea pig organism in burn disease] Gude ZZh, et al.
Ukr Biokhim Zh 45:13-9, 1973 (Eng. Abstr.) (Ukr)

[Changes of the adrenal cortex in the experimental pancreatic injury] Moravec R, et al.
Bratisl Lek Listy 59:45-56, 1973 (Eng. Abstr.) (Slo)

MICROBIOLOGY

[Propagation mechanism of the neurotropic Vaccinia virus strain in the rabbit organism] Benda R, et al.
Zentralbl Bakteriol [Orig A] 222:145-61, Nov 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al.
Am J Clin Pathol 59:480-9, Apr 73

Nephrosis, steroids, pancreatitis, and diabetic ketoacidosis. Kohayashi A, et al.
Am J Dis Child 125:726-9, May 73

1,2-Dichloroethane poisoning. Yodaiken RE, et al.
Arch Environ Health 26:281-4, May 73

The effect of uraemia on organ graft survival in the rat. Souhami RL, et al. Br J Exp Pathol 54:183-91, Apr 73

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73

Disseminated intravascular coagulation with thymoma-associated Cushing's syndrome. Sworn MJ, et al. Br Med J 2:343-4, 12 May 73

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

Unexpected action of carcinogenes on the proliferative activity of the adrenal cortex in experimentally induced liver regeneration. Danz M, et al.
Exp Pathol (Jena) 7:213-6, 1972

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73

Immunodeficiency associated with exomphalos-macroglossia-gigantism syndrome. Greene RJ, et al. J Pediatr 82:814-20, May 73

Ultrastructural changes in adrenal, spleen and liver tissue, induced by chlorphentermine. Lüllmann H, et al. Klin Wochenschr 51:284-5, 15 Mar 73

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 18-1973. N Engl J Med 288:957-63, 3 May 73

Adrenal myelolipoma. Olsson CA, et al. Surgery 73:665-70, May 73

Platelets in the cytoplasm of adrenocortical cells injured by temporary ischemia. Kovacs K, et al. Z Mikrosk Anat Forsch 86:394-8, 1972

[Pathological anatomy of Waterhouse-Friderichsen syndrome with special reference to disseminated intravascular coagulation] Harms D, et al. Dtsch Med Wochenschr 98:542-7, 16 Mar 73 (Eng. Abstr.) (Ger)

[Fatal adrenal hemorrbage during anticoagulant therapy] Sulmoni A, et al. Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)

[Pattern of behavior of the adrenal cortex in castrated female rats in the course of aging] Malarewicz A. Ginekol Pol 44:363-9, Apr 73 (Eng. Abstr.) (Pol)

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskiĭ OK, et al. Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)

[Sympathetic participation in the re ulation of the adrenal cortex] Fernández Marías O. Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

[Changes of the adrenal cortex in tbe experimental pancreatic injury] Moravec R, et al. Bratisl Lek Listy 59:45-56, 1973 (Eng. Abstr.) (Slo)

PHYSIOLOGY

Incorporation of 35 S-labelled cysteine in the subcommissural organ of the rat after adrenalectomy and after treatment witb hydrocortisone. Attila U, et al. Acta Physiol Scand 87:422-4, Mar 73

Control of rat adipose tissue metabolism by cortisone in relation to epinepbrine. Mukherjee SP, et al. Am J Physiol 224:898-903, Apr 73

Extra-adrenal effect of ACTH on fibrinogen syntbesis. Seligsobn U, et al. Am J Physiol 224:1172-9, May 73

Insulin response to bemorrhagic shock in the intact and adrenalectomized primate. Hiebert JM, et al. Am J Surg 125:501-7, Apr 73

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

Tbe structure and function of adrenal autotransplants. Wright RD, et al. Aust J Exp Biol Med Sci 50:873-92, Dec 72

Effects of antilipolytic agents on glucose utilization by adipose tissue. Bizzi A, et al. Biochem Pharmacol 22:763-8, 15 Mar 73

Effects of derivatives of indole carboxylic acids on carbohydrate metabolism of the rat. Schillinger E, et al. Biochem Pharmacol 22:841-8, 1 Apr 73

Corticosteroid binding macromolecules in the nucleus and cytosol of rat tbymus cells. Abrabam AD, et al. Biochim Biophys Acta 297:142-54, 24 Jan 73

Influence of hormones on the growth of hepatomas and induction of adenylate and pyruvate kinases. Criss WE, et al. Cancer Res 33:1023-7, May 73

Expectancy and the pituitary-adrenal system. Levine S, et al. Ciba Found Symp 8:281-91, 1972

Studies witb a mass balance method of measuring fibrinogen syntbesis. Reeve EB, et al. Ciba Found Symp 9:91-111, 1972

Requirement of the pituitary gland for gonadal hormone effects on bepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. Endocrinology 92:769-74, Mar 73

Effects of glucocorticoid and aminophylline on glucose intolerance of adrenalectomized rats. De Santis RA, et al. Endocrinology 92:716-21, Mar 73

Role of tbe adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA. Endocrinology 92:881-7, Mar 73

Effect of 2-deoxy-D-glucose on insulin response to glucose in intact and adrenalectomized monkeys. Smith GP, et al. Endocrinology 92:750-4, Mar 73

Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. Eur J Pharmacol 21:222-9, Feb 73

Effect of adrenalectomy and hypopbysectomy on tbe circadian rhythm of -hydroxy- -metbylglutaryl coenzyme A reductase activity in rat liver. Edwards PA. J Biol Chem 248:2912-7, 25 Apr 73

Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al. J Endocrinol 57:7-22, Apr 73

Androgen-dependent syntbesis of apha-2u globulin in the rat: role of tbe pituitary gland. Roy AK. J Endocrinol 56:295-301, Feb 73

The effects of metopirone and adrenalectomy on the regulation of tbe enzymes monoamine oxidase and catecbol-O-methyl transferase in different brain regions. Parvez H, et al. J Neurochem 20:1011-20, Apr 73

Evidence for the synthesis and storage of 5-hydroxytryptamine in two separate pools in the brain. Shields PJ, et al. J Neurochem 20:881-8, Mar 73

Tbe effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by tbe new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

Effects of thyroparathyroidectomy on implantation and early gestation in rats. Baksi SN. J Reprod Fertil 32:513-6, Mar 73

The role of the pituitary-adrenal-thyroid axes in lung differentiation. II. Biochemical studies of developing lung in anencephalic fetal rats. Blackburn WR, et al. Lab Invest 28:352-60, Mar 73

Zinc deficiency with altered adrenocortical function and its relation to delayed bealing. Flynn A, et al. Lancet 1:789-90, 14 Apr 73

Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus. Bouillé C, et al. Neuroendocrinology 11:73-91, 1973

Influence of water deprivation on adrenocortical rhythms. Johnson JT, et al. Neuroendocrinology 11:268-73, 1973

Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al. Neuroendocrinology 11:156-76, 1973

The mode of adrenal gland enlargement in the rat in response to exercise training. Song MK, et al. Pfluegers Arch 339:59-68, 5 Mar 73

Endocrine control of tbe maternal pheromone in the postpartum female rat. Leon M, et al. Physiol Behav 10:65-7, Jan 73

Tbe effect of infantile stimulation upon hypothalamic CRF levels following adrenalectomy in the adult rat. Campbell PS, et al. Proc Soc Exp Biol Med 142:781-3, Mar 73

Changes in peripheral plasma progesterone during tbe rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al. Proc Soc Exp Biol Med 142:1226-9, Apr 73

Response of the opsonic and phagocytic system to trauma in adrenalectomized animals. Scovill WA, et al. Proc Soc Exp Biol Med 143:192-7, May 73

Fibrinogen synthesis in adrenalectomized rabbits. Seligsobn U, et al. Proc Soc Exp Biol Med 142:824-8, Mar 73

Aspects of free fatty acid metabolism during induced hypothermia. Nesbakken R. Scand J Clin Lab Invest 31:Suppl 131:1-72, 1973

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Collins EJ, et al. Steroids 21:443-55, Mar 73

Sex-dependence of tbe metabolism of aldosterone in adrenalectomized and intact rats. Morris DJ, et al. Steroids 21:397-407, Mar 73

Complex formation by 3 H-aldosterone in rat kidney and liver. Morris DJ, et al. Steroids 21:383-96, Mar 73

The development of daily change in serum corticosterone in pre-weaning rats. Ramaley JA. Steroids 21:433-42, Mar 73

Effect of chlorpromazine on glucose and tolbutamide-stimulated insulin release in the adrenalectomized rat. Susten AS, et al. Toxicol Appl Pharmacol 24:364-70, Mar 73

[Adrenocortical activity in piglets at weaning in comparison with exogenous stimulation with ACTH] Dvořák M. Vet Med (Praha) 17:671-8, 1972 (Eng. Abstr.) (Cze)

[Action of an inhibitor of corticoid syntbesis, metyrapone, on the plasma levels of adrenalin, noradrenalin, blood sugar and liver glycogen in rats] Parvez H, et al. Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)

[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day cycles] Roos J, et al.
C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)
[Mitoses, cell multiplication and cell displacement in the adrenal cortex. Histometric and autoradiographic studies following subtotal and unilateral epinephrectomy] Güntber G.
Endokrinologie 60:356-78, 1972 (Eng. Abstr.) (Ger)
[Sexual changes in the adult male connected with hyperproduction of dehydroepiandrosterone at the adrenal gland level] Borghi A.
Minerva Med 64:605-7, 10 Mar 73 (Ita)
[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)
[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)
[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
[Effect of corticosteroids on the activity of NA-K-adenosinetriphospbatase, debydrogenases and carbonic anbydrase in the cells of rat kidney tubules] Krestinskaia TV, et al.
Probl Endokrinol (Mosk) 19:94-8, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Role of adrenal hormones in primary radiation damage to supramolecular DNA of rat tissues] Strazbevskaia NB, et al.
Radiobiologiia 12:644-8, Sep-Oct 72 (Eng. Abstr.) (Rus)
[The effect of extirpation of the thymus on adrenal cortical function] Pokrovskaia SV.
Fiziol Zh 19:200-4, Mar-Apr 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al.
Acta Physiol Lat Am 22:231-40, 1972
The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Tribe AE, et al. Aust NZ J Med 3:6-13, Feb 73
The metabolic and endocrine response to injury: a review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)
Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al.
Br Med J 2:147-9, 21 Apr 73
Hemorrbage as a stimulus to adrenal epinephrine secretion. Carey LC, et al.
Bull Soc Int Chir 31:393-401, Sep-Oct 72
Suppression of pituitary tumor growth and function by ergot alkaloids. MacLeod RM, et al.
Cancer Res 33:849-55, Apr 73
Sympathetic nervous system and deoxycorticosterone-saline hypertension. Clarke DE.
Circ Res 32:536-7, Apr 73
Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973
Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al.
J Clin Endocrinol Metab 36:965-77, May 73
Cortisol levels in toxaemic and normal pregnancy. Galvão-Teles A, et al. Lancet 1:737-40, 7 Apr 73
Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73
Chronic stress effects on adrenocortical responsiveness in young and aged rats. Riegle GD.
Neuroendocrinology 11:1-10, 1973
Serum total corticoid and cortisol levels in premature infants with respiratory distress syndrome. Reynolds JW. Pediatrics 51:884-90, May 73
Investigations on the mode of action of endogenous mediator. Kampschmidt RF, et al.
Proc Soc Exp Biol Med 143:279-83, May 73
[Thyroid and adrenal gland function in rats with hereditary spontaneous hypertension] Wesseis F, et al. Med Welt 24:727-8, 4 May 73 (Ger)
[The hypophysis in anorexia nervosa] Bassoe HH.
Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)
[Diseases caused by adrenal dysbormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)
[Adrenal cortex function in dumping syndrome patients] Al'-Khillali MA, et al.
Klin Med (Mosk) 50:99-101, Aug 72 (Eng. Abstr.) (Rus)
[The functional state of the adrenal cortex in lymphogranulomatosis patients] Chikvasbvili AM.
Vopr Onkol 18:30-5, 1972 (Eng. Abstr.) (Rus)
[The functional state of the adrenal cortex in congenital heart defects of the pale type] Ivashkevich EI, et al.
Vrach Delo 11:7-11, Nov 72 (Eng. Abstr.) (Rus)
[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O.
Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

Tissue lipids in lethally X-irradiated rats. 3. Changes in adrenals, kidneys, heart and skeletal muscle and lungs. Ahlers I, et al. Folia Biol (Praha) 19:135-9, 1973
[Effect of fractionated radiation on the radiosensitivity and course of repair processes in mouse ontogenesis] Chudinovskaia GA, et al.
Zh Obshch Biol 34:305-14, Mar-Apr 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)

SECRETION

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al.
Acta Physiol Lat Am 22:231-40, 1972
Disturbances in the regulation of food intake. Obesity: anatomic and physiologic-biochemical observations. Björntorp P.
Adv Psychosom Med 7:116-27, 1972 (123 ref.)
The structure and function of adrenal autotransplants. Wright RD, et al.
Aust J Exp Biol Med Sci 50:873-92, Dec 72
The effects of trauma on carbohydrate metabolism. Stoner HB, et al.
Br J Anaesth 45:244-51, Mar 73 (74 ref.)
Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. Endocrinology 92:679-86, Mar 73
Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al.
Gen Comp Endocrinol 20:274-82, Apr 73
Variations in the in vitro production of corticosteroids by the herring gull (Larus argentatus) adrenal glands. Chan SW, et al.
Gen Comp Endocrinol 20:283-90, Apr 73
Circadian variation in activity of the duck (Anas platyrbynchos) adrenal gland. Chan SW, et al.
Gen Comp Endocrinol 20:291-6, Apr 73
Immunological studies in burn patients. I. Lymphocyte transformation in vitro. Leguit P Jr, et al.
Int Arch Allergy Appl Immunol 44:101-21, 1973
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73
Sequential foetal-maternal plasma cortisol levels in sheep. Drost M, et al. J Endocrinol 56:483-92, Mar 73
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
Serum total corticoid and cortisol levels in premature infants with respiratory distress syndrome. Reynolds JW. Pediatrics 51:884-90, May 73
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73
Adrenal cortical secretion in response to nicotine in conscious and anaestbetized dogs. Suzuki T, et al.
Q J Exp Physiol 58:139-42, Apr 73
Pituitary-adrenal activity and depletion of brain catecholamines after central administration of

6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972
[General adaptation syndrome in the young animal] Hartmann H, et al.
Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)
[The hypothalamo--pituitary--adrenal axis] Solem JH. Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)

SURGERY

Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E.
J Urol 109:533-7, Apr 73

TRANSPLANTATION

The structure and function of adrenal autotransplants. Wright RD, et al.
Aust J Exp Biol Med Sci 50:873-92, Dec 72
A thymus dependent function of the adrenal cortex and its relation to immunity. Pierpaoli W, et al.
Experientia 28:851-2, 15 Jul 72
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73
Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72
[The ulcerogenic effect of the adrenal cortex and 1,2-dehydrocortisone implanted into the stomach walls of rabbits (a histochemical study)] Grenda I, et al. Arkh Patol 34:29-35, 1972 (Eng. Abstr.) (Rus)

ADRENALECTOMY

Hypercalcemia in adrenocortical insufficiency. Jorgensen H. Acta Med Scand 193:175-9, Mar 73
Incorporation of 35 S-labelled cysteine in the subcommissural organ of the rat after adrenalectomy and after treatment with hydrocortisone. Attila U, et al. Acta Physiol Scand 87:422-4, Mar 73
Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al.
Am J Clin Pathol 59:480-9, Apr 73
Control of rat adipose tissue metabolism by cortisone in relation to epinephrine. Mukherjee SP, et al.
Am J Physiol 224:898-903, Apr 73
Extra-adrenal effect of ACTH on fibrinogen synthesis. Seligsohn U, et al. Am J Physiol 224:1172-9, May 73
Insulin response to hemorrhagic shock in the intact and adrenalectomized primate. Hiebert JM, et al.
Am J Surg 125:501-7, Apr 73
The cardiovascular actions of nicotine in the rat. Sutton I, et al. Arch Int Pharmacodyn Ther 202:5-16, Mar 73
Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfurylation. Leung BS, et al.
Arch Surg 106:515-9, Apr 73
Enhancement of biologic activity and secretion of corticosteroid by a triazine derivative in rats. Kamhayashi Y, et al. Arzneim Forsch 23:225-7, Feb 73
Effects of antilipolytic agents on glucose utilization by adipose tissue. Bizzi A, et al.
Biochem Pharmacol 22:763-8, 15 Mar 73
Effects of derivatives of indole carboxylic acids on carbohydrate metabolism of the rat. Schillinger E, et al. Biochem Pharmacol 22:841-8, 1 Apr 73
Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al.
Biochim Biophys Acta 297:142-54, 24 Jan 73
The influence of growth and of adrenalectomy upon some rat heart enzymes. Callingham BA, et al.
Br J Pharmacol 46:530P-531P, Nov 72
Influence of hormones on the growth of hepatomas and induction of adenylate and pyruvate kinases. Criss WE, et al. Cancer Res 33:1023-7, May 73
Studies with a mass balance method of measuring fibrinogen synthesis. Reeve EB, et al.
Ciba Found Symp 9:91-111, 1972
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al.
Endocrinology 92:769-74, Mar 73
Effects of glucocorticoid and aminophylline on glucose intolerance of adrenalectomized rats. De Santis RA, et al. Endocrinology 92:716-21, Mar 73
Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA.
Endocrinology 92:881-7, Mar 73
Effect of 2-deoxy-D-glucose on insulin response to glucose in intact and adrenalectomized monkeys. Smith GP, et al. Endocrinology 92:750-4, Mar 73
Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. Eur J Pharmacol 21:222-9, Feb 73
Effect of adrenalectomy and hypophysectomy on the circadian rhythm of -hydroxy- -methylglutaryl coenzyme A reductase activity in rat liver. Edwards PA. J Biol Chem 248:2912-7, 25 Apr 73
Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73
Salt seeking by food selection in adrenalectomized rats. Crimsley DL. J Comp Physiol Psychol 82:261-7, Feb 73
Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73
Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK.
J Endocrinol 56:295-301, Feb 73
The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions. Parvez H, et al.
J Neurochem 20:1011-20, Apr 73
Evidence for the synthesis and storage of 5-hydroxytryptamine in two separate pools in the brain. Shields PJ, et al. J Neurochem 20:881-8, Mar 73
The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E.
J Urol 109:533-7, Apr 73
Lipid metabolism following triglyceride ingestion in intact and adrenalectomized rats. Fleischman AI, et al. Lipids 8:170-6, Apr 73
Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73
Endocrine control of the maternal pheromone in the postpartum female rat. Leon M, et al.
Physiol Behav 10:65-7, Jan 73
The effect of infantile stimulation upon hypothalamic CRF levels following adrenalectomy in the adult rat. Campbell PS, et al.
Proc Soc Exp Biol Med 142:781-3, Mar 73
Investigations on the mode of action of endogenous mediator. Kampschmidt RF, et al.
Proc Soc Exp Biol Med 143:279-83, May 73
Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al.
Proc Soc Exp Biol Med 142:1226-9, Apr 73
Response of the opsonic and phagocytic system to trauma in adrenalectomized animals. Scovill WA, et al.
Proc Soc Exp Biol Med 143:192-7, May 73
Fibrinogen synthesis in adrenalectomized rabbits. Seligsohn U, et al.
Proc Soc Exp Biol Med 142:824-8, Mar 73
Conn's syndrome. Katzen M.
S Afr J Surg 10:183-4, Sep 72
Aspects of free fatty acid metabolism during induced hypothermia. Nesbakken R.
Scand J Clin Lab Invest 31:Suppl 131:1-72, 1973
Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72
Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Collins EJ, et al.
Steroids 21:443-55, Mar 73
Sex-dependence of the metabolism of aldosterone in adrenalectomized and intact rats. Morris DJ, et al.
Steroids 21:397-407, Mar 73
Complex formation by 3 H-aldosterone in rat kidney and liver. Morris DJ, et al. Steroids 21:383-96, Mar 73
Effect of chlorpromazine on glucose and tolbutamide-stimulated insulin release in the adrenalectomized rat. Susten AS, et al.
Toxicol Appl Pharmacol 24:364-70, Mar 73

[Electron microscopy study of the neurohypophysis in normal rats or after bilateral adrenalectomy. Study of the pituitary cells and on the mode of release of the neurosecretion] Erkoçak A.
Acta Anat (Basel) 84:178-201, 1973 (Eng. Ahstr.) (Fre)

[Action of an inhibitor of corticoid synthesis, metyrapone, on the plasma levels of adrenalin, noradrenalin, blood sugar and liver glycogen in rats] Parvez H, et al.
Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)

[Surgically curable hypertension. Postoperative hemodynamic development] Guédon J, et al.
Arch Mal Coeur 65:961-9, Aug 72 (Eng. Ahstr.) (Fre)

[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day cycles] Roos J, et al.
C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)

[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al.
Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Ahstr.) (Fre)

[Mitoses, cell multiplication and cell displacement in the adrenal cortex. Histometric and autoradiographic studies following subtotal and unilateral epinephrectomy] Günther G.
Endokrinologie 60:356-78, 1972 (Eng. Abstr.) (Ger)

[Increase of resistance against parasitic infections due to change in nutrition and adrenalectomy] Scholz J, et al.
Zentralbl Veterinaermed [B] 20:40-5, Jan 73 (Eng. Abstr.) (Ger)

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk) 50:16-21, Aug 72 (Rus)**

[Case of simultaneous bilateral total adrenalectomy in combination with pyelolithotomy in a patient with Itsenko-Cushing disease] Kertsman VI, et al.
Probl Endokrinol (Mosk) 19:53-4, Jan-Feb 73 (Rus)

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

[Effect of corticosteroids on the activity of NA-K-adenosinetriphosphatase, dehydrogenases and carbonic anhydrase in the cells of rat kidney tubules] Krestinskaia TV, et al.
Probl Endokrinol (Mosk) 19:94-8, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Role of adrenal hormones in primary radiation damage to supramolecular DNA of rat tissues] Strazhevskaia NB, et al.
Radiobiologiia 12:644-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

[Neurosecretory activity of the hypothalamus after adrenalectomy in dogs] Drozdovych II, et al.
Fiziol Zh 18:821-6, Sep-Oct 72 (Eng. Ahstr.) (Ukr)

ADVERSE EFFECTS

Zinc deficiency with altered adrenocortical function and its relation to delayed healing. Flynn A, et al.
Lancet 1:789-90, 14 Apr 73

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

PITUITARY-ADRENAL FUNCTION TESTS

Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al.
Arch Dermatol 107:407-12, Mar 73

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al.
Br Med J 2:147-9, 21 Apr 73

Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. **Br Med J 1:778-9, 31 Mar 73**

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al.
J Pediatr 82:461-5, Mar 73

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. **Lancet 1:1021-4, 12 May 73**

Chronic stress effects on adrenocortical responsiveness in young and aged rats. Riegle GD.
Neuroendocrinology 11:1-10, 1973

[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al.
Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)

[Urinary excretion of 17-hyroxycorticosteroids in chronic circulatory insufficiency] Tyminska K, et al.
Minerva Med 64:408-11, 24 Feb 73 (Eng. Abstr.) (Ita)

[Should ACTH be given after finished corticosteroid therapy?] Frey H.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)

[The hypothalamo--pituitary--adrenal axis] Solem JH.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Ahstr.) (Nor)

[Endocrine-metabolic relationships of the neuromuscular system in athletes during fatigue] Ulmeanu F, et al.
Fiziol Norm Patol 18:495-506, Nov-Dec 72 (Rum)

[Chlorotrianisene therapy of menstrual function disorders and of female sterility of endocrine origin] Kheifets SN, et al.
Akush Ginekol (Mosk) 49:36-40, Jan 73 (Eng. Abstr.) (Rus)

[Adrenal cortical function in women with obesity of dietary origin] Manuilova IA, et al.
Akush Ginekol (Mosk) 49:23-8, Jan 73 (Eng. Ahstr.) (Rus)

[Gonadotropic and steroid hormone excretion during 17-oxyprogesterone caproate therapy of primary endometrial cancer] Mezinova NN, et al.
Akush Ginekol (Mosk) 49:40-4, Jan 73 (Eng. Abstr.) (Rus)

[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. **Bratisl Lek Listy 59:495-500, Apr 73 (Slo)**

11. Disorders of the Adrenal Glands

ADDISON'S DISEASE

BLOOD

Hypercalcemia in adrenocortical insufficiency. Jorgensen H. Acta Med Scand 193:175-9, Mar 73
A comparison of the -melanocyte-stimulating hormone and corticotropin response to hypoglycemia. Donald RA, et al. J Clin Endocrinol Metab 36:925-30, May 73
Measurement of plasma renin-substrate in man. Tree M. J Endocrinol 56:159-71, Feb 73

COMPLICATIONS

Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73
[Non-tumoral organo-functional hypoglycemias] Tugaye A, et al. Rev Prat 22:3409-25, 1 Oct 72 (Fre)
[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Albeaux-Fernet M, et al. Sem Hop Paris 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)
[Acute crisis in endocrine system diseases] Pacyński A. Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

DIAGNOSIS

[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crabbé J, et al. Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Addison's disease as a complication of influenza infection (the 1971 epidemic)] Szadkowski M, et al. Pol Tyg Lek 28:479-80, 26 Mar 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73
[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Albeaux-Fernet M, et al. Sem Hop Paris 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)

ETIOLOGY

[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crabbé J, et al. Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Addison's disease as a complication of influenza infection (the 1971 epidemic)] Szadkowski M, et al. Pol Tyg Lek 28:479-80, 26 Mar 73 (Eng. Abstr.) (Pol)

METABOLISM

Adrenocortical response to ACTH in Addison's disease. Tyler FH. N Engl J Med 288:854-5, 19 Apr 73

THERAPY

Glycyrrhizophilia. Baron JH. Lancet 1:383, 17 Feb 73

URINE

[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crabbé J, et al. Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)

ADENOMA, VIRILIZING

DIAGNOSIS

Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al. Am J Clin Pathol 59:480-9, Apr 73

SURGERY

Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al. Am J Clin Pathol 59:480-9, Apr 73

ADRENAL CORTICAL REST TUMOR

Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and biochemical findings). Motlík K, et al. Neoplasma 20:97-110, 1973

COMPLICATIONS

Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73

DIAGNOSIS

Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73

DRUG THERAPY

Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73

ADRENAL GLAND DISEASES

The effect of uraemia on organ graft survival in the rat. Souhami RL, et al. Br J Exp Pathol 54:183-91, Apr 73

BLOOD

Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al. J Clin Endocrinol Metab 36:920-4, May 73
[Steroid diagnosis of adrenal cortex disorders. 3. Stress-tests and circadian rhythm of steroids] Kreze A. Bratisl Lek Listy 59:357-68, 1973 (Slo)

CHEMICALLY INDUCED

1,2-Dichloroethane poisoning. Yodaiken RE, et al. Arch Environ Health 26:281-4, May 73
Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973
Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate. Szabo S, et al. Experientia 29:185-6, 15 Feb 73
[Fatal adrenal hemorrhage during anticoagulant therapy] Sulmoni A, et al. Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Studies on craniopharyngiomas. 3. Stereotaxic treatment with intracystic yttrium-90. Backlund EO. Acta Chir Scand 139:237-47, 1973
Thyroid-binding globulin deficiency in a patient with Beckwith's syndrome. Kaufman SL, et al. Calif Med 118:63-6, Apr 73
Vomiting, dehydration, and shock in a baby boy. Zangeneh F. Clin Pediatr (Phila) 12:319-20, May 73
Immunodeficiency associated with exompbalos-macroglossia-gigantism syndrome. Greene RJ, et al. J Pediatr 82:814-20, May 73
Hypoglycemia in infancy and childhood. II. Pagliara AS, et al. J Pediatr 82:558-77, Apr 73 (188 ref.)
Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. Obstet Gynecol 41:650-4, May 73

[Fatal adrenal hemorrhage during anticoagulant therapy] Sulmoni A, et al.
Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)
[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al.
Klin Med (Mosk) 51:94-9, Apr 73 (Eng. Abstr.) (Rus)

CONGENITAL

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al.
Fertil Steril 24:319-23, Apr 73
Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72
Congenital idiopathic adrenal hypoplasia. Laverty CR, et al. Obstet Gynecol 41:655-64, May 73

DIAGNOSIS

Pityrosporum folliculitis. Report of seven cases and review of the Pityrosporum organism relative to cutaneous disease. Potter BS, et al.
Arch Dermatol 107:388-91, Mar 73
[Fatal adrenal hemorrhage during anticoagulant therapy] Sulmoni A, et al.
Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)
[The hypothalamo--pituitary--adrenal axis] Solem JH.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)
[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. Bratisl Lek Listy 59:495-500, Apr 73 (Slo)
[Steroid diagnosis of adrenal cortex disorders. I. Basal levels of steroids] Kreze A.
Bratisl Lek Listy 59:102-14, 1973 (Slo)
[Steroid diagnosis of adrenal cortex disorders. 3. Stress-tests and circadian rhythm of steroids] Kreze A. Bratisl Lek Listy 59:357-68, 1973 (Slo)

DRUG THERAPY

Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al.
J Clin Endocrinol Metab 36:920-4, May 73

ENZYMOLOGY

[Diseases caused by adrenal dyshormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)

ETIOLOGY

Natural history of adrenal haemorrhage in the newborn. Black J, et al.
Arch Dis Child 48:183-90, Mar 73
Overwhelming neonatal infection with ECHO 19 virus. Philip AG, et al. J Pediatr 82:391-7, Mar 73
[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O.
Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

METABOLISM

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73
[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. Bratisl Lek Listy 59:495-500, Apr 73 (Slo)
[Steroid diagnosis of adrenal cortex disorders. I. Basal levels of steroids] Kreze A.
Bratisl Lek Listy 59:102-14, 1973 (Slo)

MORTALITY

[Fatal adrenal hemorrhage during anticoagulant therapy] Sulmoni A, et al.
Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)

PATHOLOGY

1,2-Dichloroethane poisoning. Yodaiken RE, et al.
Arch Environ Health 26:281-4, May 73
Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate. Szabo S, et al. Experientia 29:185-6, 15 Feb 73
Overwhelming neonatal infection with ECHO 19 virus. Philip AG, et al. J Pediatr 82:391-7, Mar 73
Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73
[Fatal adrenal hemorrhage during anticoagulant therapy] Sulmoni A, et al.
Urologie [A] 12:71-3, Mar 73 (Eng. Abstr.) (Ger)
[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O.
Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate. Szabo S, et al. Experientia 29:185-6, 15 Feb 73

RADIOGRAPHY

[Extended suprarenal diagnostics by selective phlebography (methods, significance and indication)] Müller JH.
Radiol Diagn (Berl) 13:763-71, 1972 (Eng. Abstr.) (Ger)

SURGERY

Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E.
J Urol 109:533-7, Apr 73
Surgical exposures for adrenal endocrinopathies. Flint LD. Surg Clin North Am 53:445-54, Apr 73

THERAPY

Natural history of adrenal haemorrhage in the newborn. Black J, et al.
Arch Dis Child 48:183-90, Mar 73

URINE

Urinary pregn-5-ene-3 ,16 ,20 -triol in adrenal dysfunction. Fanti V, et al.
J Endocrinol 57:135-42, Apr 73
[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crabbé J, et al.
Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)

ADRENAL GLAND HYPERFUNCTION

COMPLICATIONS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. Obstet Gynecol 41:650-4, May 73
[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al.
Stud Cercet Med Interna 13:551-4, 1972 (Eng. Abstr.) (Rum)
[Causes of inactivity of peptic ulcer in edema] Bojanowicz K, et al.
Bratisl Lek Listy 59:449-54, Apr 73 (Eng. Abstr.) (Slo)

DIAGNOSIS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

ADRENAL

ETIOLOGY

Pathogenesis of obesity. Draznin B, et al.
Br Med J 1:550-1, 3 Mar 73
[Ectopic hormonal syndromes] Alheaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)
[Correlations between experimental diabetes mellitus and atherosclerosis. II. Role of the thyroid gland in correlation with the adrenal cortex] Cofaru D, et al.
Stud Cercet Med Interna 13:551-4, 1972 (Eng. Abstr.) (Rum)

METABOLISM

[Causes of inactivity of peptic ulcer in edema] Bojanowicz K, et al.
Bratisl Lek Listy 59:449-54, Apr 73 (Eng. Abstr.) (Slo)

ADRENAL GLAND HYPOFUNCTION

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73
[A case of isolated ACTH deficiency] Ono I, et al.
J Jap Soc Intern Med 61:1314-9, Oct 72 (Jap)

BLOOD

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. **Br Med J 1:650-4, 17 Mar 73**

CHEMICALLY INDUCED

Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. **Br Med J 1:778-9, 31 Mar 73**
The mechanism of delayed biologic response following beryllium exposure. Clary JJ, et al.
J Occup Med 15:255-9, Mar 73
[Acute adrenal insufficiency caused by cessation of corticosteroid therapy] Kaflakov AM.
Klin Med (Mosk) 50:133-4, Aug 72 (Rus)
[The effect of calcium pantothenate on the adrenal cortex of patients with rheumatoid polyarthritis treated with corticosteroids] Tiunina EA.
Klin Med (Mosk) 50:101-5, Aug 72 (Rus)

COMPLICATIONS

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. **Br Med J 1:650-4, 17 Mar 73**
Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. Rudman D, et al.
J Clin Invest 52:1108-12, May 73
[Hypoglycemia in diabetics] Mirouze J, et al.
Rev Prat 22:3349-67, 1 Oct 72 (Fre)
[Non-tumoral organo-functional hypoglycemias] Tugaye A, et al. **Rev Prat 22:3409-25, 1 Oct 72 (Fre)**
[Pathogenesis and treatment of lightning and nutatory seizures] Voronkov BV.
Zh Nevropatol Psikhiatr 72:1554-6, 1972 (Eng. Abstr.) (Rus)

DIAGNOSIS

Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure. Conn JW, et al.
Arch Intern Med 131:554-7, Apr 73
[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crahbé J, et al.
Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Disseminated histoplasmosis with adrenal insufficiency diagnosed by oral lesions] Cernéa P, et al.
Rev Stomatol Chir Maxillofac 73:387-401, Jul-Aug 72 (Eng. Abstr.) (Fre)

DRUG THERAPY

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. **Br Med J 1:650-4, 17 Mar 73**
Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. **Br Med J 1:778-9, 31 Mar 73**
Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72
[The effect of calcium pantothenate on the adrenal cortex of patients with rheumatoid polyarthritis treated with corticosteroids] Tiunina EA.
Klin Med (Mosk) 50:101-5, Aug 72 (Rus)

ETIOLOGY

Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure. Conn JW, et al.
Arch Intern Med 131:554-7, Apr 73
Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. **Br Med J 1:650-4, 17 Mar 73**
[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crahbé J, et al.
Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)
[A case of secondary chronic adrenal insufficiency due to calcinosis of the vessels of the hypothalamo-hypophyseal area] Charnyi AM, et al.
Klin Med (Mosk) 50:134-7, Aug 72 (Rus)

FAMILIAL & GENETIC

Familial glucocorticoid insufficiency. Moshang T Jr, et al. **J Pediatr 82:821-6, May 73**

METABOLISM

The mechanism of delayed biologic response following beryllium exposure. Clary JJ, et al.
J Occup Med 15:255-9, Mar 73

PATHOLOGY

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. **Br Med J 1:650-4, 17 Mar 73**

URINE

[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crahbé J, et al.
Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)

ADRENAL GLAND NEOPLASMS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Adrenal myelolipoma. Olsson CA, et al.
Surgery 73:665-70, May 73
[Some aspects of the clinical picture, diagnosis and treatment of pheochromocytoma] Stankusheva T, et al.
Khirurgiia (Sofiia) 26:40-5, 1973 (Eng. Abstr.) (Bul)
[Large hormonally inactive adrenal cortical adenoma] Böcker R, et al.
Urologie [A] 12:74-6, Mar 73 (Eng. Abstr.) (Ger)
[Pheochromocytoma originating in Zuckerkandl's organ] Czekala Z.
Pol Przegl Radiol 37:139-42, Jan-Feb 73 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD.
Fortschr Med 91:435-40, 12 Apr 73 (Ger)

COMPLICATIONS

Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al.
Am J Dis Child 125:608-11, Apr 73
Neurofibromatosis associated with malignant neurofibromas. Knight WA 3d, et al.
Arch Dermatol 107:747-50, May 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E.
J Urol 109:533-7, Apr 73
Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using

catheter technique for detecting pheochromocytoma. Nakada T, et al. **J Urol** 109:757-60, May 73

Prevalence of neoplasms and causes of death in paralysis agitans. A necropsy study. Pritchard PB 3d, et al. **Neurology (Minneap)** 23:215-22, Mar 73

Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis. Gershanik JJ, et al. **Pediatrics** 51:705-9, Apr 73

Conn's syndrome. Gregor T. **S Afr J Surg** 11:40-1, Mar 73

[A case of pheochromocytoma fortuitously revealed during ethionamide treatment] Roheyns P, et al. **Ann Endocrinol (Paris)** 33:548-54, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Familial pheochromocytoma] Seringe P, et al. **Ann Endocrinol (Paris)** 33:529-30, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Surgically curable hypertension. Postoperative hemodynamic development] Guédon J, et al. **Arch Mal Coeur** 65:961-9, Aug 72 (Eng. Abstr.) **(Fre)**

[Hypoglycemia due to extrapancreatic tumor] Canivet **J. Rev Prat** 22:3393-406, 1 Oct 72 **(Fre)**

[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al. **Dtsch Med Wochenschr** 98:506-8, 9 Mar 73 **(Ger)**

[Heterotopic adrenal cortical tumour (true hypernephroma?) with Cushing's syndrome] Maurer HJ, et al. **God Zb Med Fak Skopje** 118:273-9, Mar 73 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of primary hyperaldosteronism] Hodler J. **Schweiz Med Wochenschr** 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) **(Ger)**

[Pheochromocytoma originating in Zuckerkandl's organ] Czekala Z. **Pol Przegl Radiol** 37:139-42, Jan-Feb 73 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al. **J Surg Res** 14:177-80, Mar 73

Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. **J Urol** 109:757-60, May 73

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. **N Engl J Med** 288:1010-8, 10 May 73

Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis. Gershanik JJ, et al. **Pediatrics** 51:705-9, Apr 73

Adrenal myelolipoma. Olsson CA, et al. **Surgery** 73:665-70, May 73

[A case of pheochromocytoma fortuitously revealed during ethionamide treatment] Roheyns P, et al. **Ann Endocrinol (Paris)** 33:548-54, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

[Pheochromocytomas. Apropos of 2 new cases invisible on arteriography, evident after retropneumoperitoneum] Bret P, et al. **Nouv Presse Med** 2:573-4, 3 Mar 73 (Eng. Abstr.) **(Fre)**

[Large hormonally inactive adrenal cortical adenoma] Böcker R, et al. **Urologie [A]** 12:74-6, Mar 73 (Eng. Abstr.) **(Ger)**

[Diagnostic misinterpretation of a large abdominal cyst] Schwesinger G, et al. **Zentralbl Chir** 98:216-9, 9 Feb 73 **(Ger)**

[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 51:94-9, Apr 73 (Eng. Abstr.) **(Rus)**

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:108-12, Jan-Feb 73 (101 ref.) **(Rus)**

DRUG THERAPY

Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment. Scharf Y, et al. **Cancer** 31:746-50, Mar 73

Five-drug combination chemotherapy for disseminated adenocarcinoma. Lokich JJ, et al. **Cancer Chemother Rep** 56:761-7, Dec 72

Effect of compounds on a spectrum of rat tumors. Sugiura K, et al. **Cancer Chemother Rep [Suppl]** 3:231-308, Nov 72

Drug treatment of inoperable adrenocortical carcinoma. Metz SA. **JAMA** 224:530, 23 Apr 73

ETIOLOGY

Adrenal myelolipoma. Olsson CA, et al. **Surgery** 73:665-70, May 73

FAMILIAL & GENETIC

Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. **Ann Intern Med** 78:561-79, Apr 73

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. **Radiology** 107:249-56, May 73

[Familial pheochromocytoma] Seringe P, et al. **Ann Endocrinol (Paris)** 33:529-30, Sep-Oct 72 (Eng. Abstr.) **(Fre)**

METABOLISM

Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfurylation. Leung BS, et al. **Arch Surg** 106:515-9, Apr 73

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem** 32:506-12, 1 Feb 73

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al. **J Biol Chem** 248:2691-8, 25 Apr 73

Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al. **J Clin Endocrinol Metab** 36:801-3, May 73

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. **J Endocrinol** 56:387-402, Mar 73

[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G. **Schweiz Med Wochenschr** 103:439-48, 24 Mar 73 (Eng. Abstr.) **(Fre)**

MORTALITY

Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment. Scharf Y, et al. **Cancer** 31:746-50, Mar 73

PATHOLOGY

Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al. **Am J Dis Child** 125:608-11, Apr 73

Malignant blue nevus. A light and electron microscopic study. Hernandez FJ. **Arch Dermatol** 107:741-4, May 73

Black-pigmented adenoma of the adrenal gland. Report of three cases including electron microscopic study. Garret R, et al. **Arch Pathol** 95:349-53, May 73

Human model for comparing localization factors in metastasis. Onuigbo WI. **Arch Pathol** 95:260-1, Apr 73

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al. **J Biol Chem** 248:2691-8, 25 Apr 73

Gynecomastia and galactorrhea in a male rhesus monkey (Macaca mulatta) with spontaneous metastatic carcinoma. Ringler DH, et al. **J Med Primatol** 1:309-17, 1972

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. **N Engl J Med** 288:1010-8, 10 May 73

Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis. Gershanik JJ, et al. **Pediatrics** 51:705-9, Apr 73

Adrenal myelolipoma. Olsson CA, et al. **Surgery** 73:665-70, May 73

[Large hormonally inactive adrenal cortical adenoma] Böcker R, et al. **Urologie [A]** 12:74-6, Mar 73 (Eng. Abstr.) **(Ger)**

[Diagnostic misinterpretation of a large abdominal cyst] Schwesinger G, et al. **Zentralbl Chir** 98:216-9, 9 Feb 73 **(Ger)**

[Case of malignant melanoma with gastrointestinal hemorrhage as a main symptom] Iju M, et al. **Jap J Gastroenterol** 70:36-41, Jan 73 **(Jap)**

[Reactive changes in the thyroid and the adrenal cortex during metastasis of Brown-Pearce carcinoma] Koipashchikova IF, et al.
Vopr Onkol 19:108, 1973 (Rus)

RADIOGRAPHY

Adrenocortical adenoma and ganglioneurohlastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al.
Am J Dis Child 125:608-11, Apr 73
Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. J Urol 109:757-60, May 73
Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73
Adrenal myelolipoma. Olsson CA, et al.
Surgery 73:665-70, May 73
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Heterotopic adrenal cortical tumour (true hypernephroma?) with Cushing's syndrome] Maurer HJ, et al.
God Zb Med Fak Skopje 118:273-9, Mar 73 (Eng. Abstr.) (Ger)
[Angiography in kidney and adrenal gland neoplasms] Kiefer H. Med Welt 24:319-23, 2 Mar 73 (Ger)
[Extended suprarenal diagnostica by selective phlehography (methods, significance and indication)] Müller JH.
Radiol Diagn (Berl) 13:763-71, 1972 (Eng. Abstr.) (Ger)
[Large hormonally inactive adrenal cortical adenoma] Böcker R, et al.
Urologie [A] 12:74-6, Mar 73 (Eng. Abstr.) (Ger)
[Pheochromocytoma diagnosed hy transparietal renal phlebography] Gilsanz V, et al.
Rev Clin Esp 128:425-8, 15 Mar 73 (Spa)

SURGERY

Hypercalcemia in adrenocortical insufficiency. Jorgensen H. Acta Med Scand 193:175-9, Mar 73
Adrenocortical adenoma and ganglioneurohlastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al.
Am J Dis Child 125:608-11, Apr 73
Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al.
J Urol 109:321-4, Mar 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. N Engl J Med 288:1010-8, 10 May 73
Surgical exposures for adrenal endocrinopathies. Flint LD. Surg Clin North Am 53:445-54, Apr 73
[Familial pheochromocytoma] Seringe P, et al.
Ann Endocrinol (Paris) 33:529-30, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)
[Diagnostic misinterpretation of a large abdominal cyst] Schwesinger G, et al.
Zentralbl Chir 98:216-9, 9 Feb 73 (Ger)
[Surgical treatment of pheochromocytoma] Przyhyszowski A.
Pol Przegl Chir 45:481-4, Apr 73 (Eng. Abstr.) (Pol)

URINE

Urinary pregn-5-ene-3 ,16 ,20 -triol in adrenal dysfunction. Fanti V, et al.
J Endocrinol 57:135-42, Apr 73
Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al.
J Surg Res 14:177-80, Mar 73

VETERINARY

Spontaneous lesions in the female WAG-Rij (Wistar) rat. Boorman GA, et al. J Gerontol 28:152-9, Apr 73

ADRENAL GLANDS

ABNORMALITIES

Hypoplasia of the anterior pituitary and neonatal hypoglycemia. Johnson JD, et al.
J Pediatr 82:634-41, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73
[Unusual abnormalities of adrenal glands] Koenig UD.
Anat Anz 132:303-9, 1972 (Ger)

INJURIES

Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure. Conn JW, et al.
Arch Intern Med 131:554-7, Apr 73

ADRENOGENITAL SYNDROME

BLOOD

[Effect of glucocorticoids on potassium and sodium metabolism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Adrenal rest tumors of the testes. Burke EF, et al.
J Urol 109:649-52, Apr 73
Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and hiochemical findings). Motlík K, et al.
Neoplasma 20:97-110, 1973

CONGENITAL

[Congenital adrenogenital syndrome] Tumilovich LG.
Akush Ginekol (Mosk) 49:58-62, Jan 73 (Rus)

DIAGNOSIS

Amniocentesis and the diseases of the unborn. McLain CR. DM 1-34, Mar 73 (62 ref.)
[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al.
Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)
[Congenital adrenogenital syndrome] Tumilovich LG.
Akush Ginekol (Mosk) 49:58-62, Jan 73 (Rus)

DRUG THERAPY

[Congenital adrenogenital syndrome] Tumilovich LG.
Akush Ginekol (Mosk) 49:58-62, Jan 73 (Rus)
[Effect of glucocorticoids on potassium and sodium metaholism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

SURGERY

Surgical exposures for adrenal endocrinopathies. Flint LD. Surg Clin North Am 53:445-54, Apr 73

THERAPY

[Growth and development of children with congenital dysfunction of the adrenal cortex (based on follow-up studies)] Zhukovskiĭ MA, et al.
Vopr Okhr Materin Det 17:17-21, Nov 72 (Eng. Abstr.) (Rus)

URINE

[Effect of glucocorticoids on potassium and sodium metabolism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

CUSHING'S SYNDROME

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk)** 50:16-21, Aug 72 (Rus)

BLOOD

Hypercalcemia in adrenocortical insufficiency. Jorgensen H. **Acta Med Scand** 193:175-9, Mar 73
Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc** 162:629-39, 15 Apr 73
A comparison of the -melanocyte-stimulating hormone and corticotropin response to hypoglycemia. Donald RA, et al. **J Clin Endocrinol Metab** 36:925-30, May 73
Episodic variation in plasma corticosteroids in subjects with Cushing's syndrome of differing etiology. Sederberg-Olsen P, et al. **J Clin Endocrinol Metab** 36:906-10, May 73
Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al. **J Clin Endocrinol Metab** 36:937-43, May 73
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk)** 50:16-21, Aug 72 (Rus)

CHEMICALLY INDUCED

Addiction to prednisone. Morgan HG, et al. **Br Med J** 2:93-4, 14 Apr 73
Adverse systemic effects from topical eye drugs. **Med Lett Drugs Ther** 15:23-4, 2 Mar 73
Comparison of azathioprine, prednisone, and heparin alone or combined in treating lupus nephritis. Cade R, et al. **Nephron** 10:37-56, 1973
[Arterial hypertension and mineralocorticoids] Molinatti GM, et al. **Folia Endocrinol (Roma)** 26:21-48, Feb 73 (Eng. Abstr.) (Fre)
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk)** 50:16-21, Aug 72 (Rus)

COMPLICATIONS

Disseminated intravascular coagulation with thymoma-associated Cushing's syndrome. Sworn MJ, et al. **Br Med J** 2:343-4, 12 May 73
Roentgenogram of the month. Bilateral nodular thoracic densities in an edematous hypertensive woman. Arms RA, et al. **Chest** 63:813-4, May 73
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al. **Sem Hop Paris** 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Heterotopic adrenal cortical tumour (true hypernephroma?) with Cushing's syndrome] Maurer HJ, et al. **God Zb Med Fak Skopje** 118:273-9, Mar 73 (Eng. Abstr.) (Ger)
[Scintigraphic studies in systemic skeletal diseases] Bessler W. **Radiologe** 13:117-24, Mar 73 (Ger)
[Pathogenesis and structure of systemic skeletal diseases] Uehlinger E. **Radiologe** 13:88-93, Mar 73 (Ger)
[Growth disturbances in children and therapeutic possibilities] Trygstad O. **Tidsskr Nor Laegeforen** 93:520-3, 20 Mar 73 (Eng. Abstr.) (Nor)
[Case of simultaneous bilateral total adrenalectomy in combination with pyelolithotomy in a patient with Itsenko-Cushing disease] Kertsman VI, et al. **Probl Endokrinol (Mosk)** 19:53-4, Jan-Feb 73 (Rus)

DIAGNOSIS

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc** 162:629-39, 15 Apr 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. **J Urol** 109:533-7, Apr 73
Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis. Gershanik JJ, et al. **Pediatrics** 51:705-9, Apr 73
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

DRUG THERAPY

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc** 162:629-39, 15 Apr 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **J Urol** 109:321-4, Mar 73
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al. **Sem Hop Paris** 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

ETIOLOGY

Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al. **Am J Dis Child** 125:608-11, Apr 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **J Urol** 109:321-4, Mar 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. **J Urol** 109:533-7, Apr 73
[The role of the pituitary gland in the pathogenesis of Cushing's syndrome] Haugen HN. **Tidsskr Nor Laegeforen** 92:2205-8, 20 Nov 72 (Eng. Abstr.) (Nor)
[Paraneoplastic syndromes during bronchopulmonary carcinoma (comprehensive review)] Potokar T. **Plucne Bolesti Tuberk** 24:244-9, Jul-Sep 72 (16 ref.) (Cro)

METABOLISM

Cushing's Syndrome, therapy or remission? Mosier HD Jr. **Pediatrics** 51:959, May 73
[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G. **Schweiz Med Wochenschr** 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)

PATHOLOGY

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc** 162:629-39, 15 Apr 73

RADIOGRAPHY

Roentgenogram of the month. Bilateral nodular thoracic densities in an edematous hypertensive woman. Arms RA, et al. **Chest** 63:813-4, May 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. **J Urol** 109:533-7, Apr 73
[Heterotopic adrenal cortical tumour (true hypernephroma?) with Cushing's syndrome] Maurer HJ, et al. **God Zb Med Fak Skopje** 118:273-9, Mar 73 (Eng. Abstr.) (Ger)

RADIOTHERAPY

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

SURGERY

Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **J Urol** 109:321-4, Mar 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. **J Urol** 109:533-7, Apr 73
Surgical exposures for adrenal endocrinopathies. Flint LD. **Surg Clin North Am** 53:445-54, Apr 73
[Case of simultaneous bilateral total adrenalectomy in combination with pyelolithotomy in a patient with Itsenko-Cushing disease] Kertsman VI, et al. **Probl Endokrinol (Mosk)** 19:53-4, Jan-Feb 73 (Rus)
[Treatment of Itsenko-Cushing disease (review of the

literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

THERAPY

Cushing's Syndrome, therapy or remission? Mosier HD Jr. **Pediatrics 51:959, May 73**
[Value of transphenoidal hypophysectomy in the treatment of Cushing's disease] Marriq P, et al.
Mars Med 109:789-95, 1972 (Fre)
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al.
Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk) 50:16-21, Aug 72 (Rus)**
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

URINE

Episodic variation in plasma corticosteroids in subjects with Cushing's syndrome of differing etiology. Sederberg-Olsen P, et al.
J Clin Endocrinol Metab 36:906-10, May 73
Urinary pregn-5-ene-3 ,16 ,20 -triol in ,adrenal dysfunction. Fanti V, et al.
J Endocrinol 57:135-42, Apr 73
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk) 50:16-21, Aug 72 (Rus)**

VETERINARY

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc 162:629-39, 15 Apr 73**

HYPERALDOSTERONISM

Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Mainc Med Assoc 64:103 passim, May 73
Bartter's syndrome. An unusual presentation. Tarm F, et al. **Mayo Clin Proc 48:280-3, Apr 73**
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

BLOOD

Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Mainc Med Assoc 64:103 passim, May 73
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al.
Klin Med (Mosk) 51:94-9, Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Volume-dependent essential and steroid hypertension. Dustan HP, et al. **Am J Cardiol 31:606-15, May 73**
Amiloride in primary hyperaldosteronism with chronic peptic ulceration. Kremer D, et al.
Br Med J 2:216-7, 28 Apr 73
Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Bartter's syndrome. An unusual presentation. Tarm F, et al. **Mayo Clin Proc 48:280-3, Apr 73**
[Investigations of antidiuretic activity in liver cirrhosis] Krogsgaard AR, et al.
Ugeskr Laeger 135:580-5, 12 Mar 73 (Eng. Abstr.) (Dan)
[Arterial hypertension and mineralocorticoids] Molinatti GM, et al.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)
[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)
[Pathogenesis of ascites in liver cirrhosis from the laparoscopy viewpoint] Kröhl R, et al.
Z Gastroenterol 10:429-32, Sep 72 (Ger)
[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al.
Klin Med (Mosk) 51:94-9, Apr 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

Primary aldosteronism--Conn's syndrome (a case report). Shah KD, et al. **Indian Heart J 24:310-2, Jul 72**
Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Bartter's syndrome. An unusual presentation. Tarm F, et al. **Mayo Clin Proc 48:280-3, Apr 73**
[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Kaliopenic endocrine diseases] Hänze S.
Med Welt 24:717-21, 4 May 73 (Ger)
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)
[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al.
Klin Med (Mosk) 51:94-9, Apr 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Amiloride in primary hyperaldosteronism with chronic peptic ulceration. Kremer D, et al.
Br Med J 2:216-7, 28 Apr 73
Antidiuretic therapy in Bartter's syndrome. Proesmans W, et al. **J Pediatr 82:538-9, Mar 73**
[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

ETIOLOGY

Primary excess and deficiency or renin.
Br Med J 1:627-8, 17 Mar 73
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. **J Urol 109:349-55, Mar 73**
Conn's syndrome. Gregor T. **S Afr J Surg 11:40-1, Mar 73**
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. **Trans Assoc Am Physicians 85:353-68, 1972**
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Long-term prognosis in surgical shunts for portal hypertension] Seimair H.
Med Klin 68:142-9, 2 Feb 73 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)
[Renin producing tumors]
Rev Clin Esp 128:357-8, 28 Feb 73 (Spa)

METABOLISM

[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)

PATHOLOGY

Bartter's syndrome. An unusual presentation. Tarm F, et al. **Mayo Clin Proc 48:280-3, Apr 73**
[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)
[Serial renal biopsies in a patient with Bartter's

syndrome] Velázquez FH, et al.
Rev Invest Clin 24:445-58, Oct-Dec 72 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Renin producing tumors]
Rev Clin Esp 128:357-8, 28 Feb 73 (Spa)

SURGERY

Conn's syndrome. Katzen M.
S Afr J Surg 10:183-4, Sep 72
Surgical exposures for adrenal endocrinopathies. Flint LD. Surg Clin North Am 53:445-54, Apr 73
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

THERAPY

Volume-dependent essential and steroid hypertension. Dustan HP, et al. Am J Cardiol 31:606-15, May 73

URINE

[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)

WATERHOUSE-FRIDERICHSEN SYNDROME

BLOOD

[Functional condition of the blood coagulation system in patients with meningococcemia with a shock] Lisukova TE, et al.
Klin Med (Mosk) 51:120-5, Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

[Pathological anatomy of Waterhouse-Friderichsen syndrome with special reference to disseminated intravascular coagulation] Harms D, et al.
Dtsch Med Wochenschr 98:542-7, 16 Mar 73 (Eng. Abstr.) (Ger)

PATHOLOGY

[Pathological anatomy of Waterhouse-Friderichsen syndrome with special reference to disseminated intravascular coagulation] Harms D, et al.
Dtsch Med Wochenschr 98:542-7, 16 Mar 73 (Eng. Abstr.) (Ger)

III. *Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs*

ADRENAL CORTEX HORMONES

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972

ADMINISTRATION & DOSAGE

Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72

Fibrinogen synthesis in adrenalectomized rabbits. Seligsohn U, et al.
Proc Soc Exp Biol Med 142:824-8, Mar 73

[Evolution of viral hepatitis in the child: apropos of 92 cases] Bost M, et al.
Pediatrie 27:729-37, Oct-Nov 72 (Fre)

[Results of the treatment of idiopathic nephrotic syndromes in children with corticotherapy lasting less than 3 months. Apropos of 28 cases] Orsini A, et al. **Pediatrie 27:721-8, Oct-Nov 72 (Fre)**

[Therapeutics and circadian rhythms. Chronotherapeutics] Reinberg A.
Rev Prat 22:4627-38, 21 Dec 72 (Fre)

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

[Dermatological externals, particularly their releasing capacity] Hagerman G.
Z Haut Geschlechtskr 48:97-105, 1 Feb 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Glucose absorption and hyperglycaemia during peritoneal dialysis. Brown DJ, et al.
Aust NZ J Med 3:1-5, Feb 73

Recent developments in viral hepatitis therapy. Hollander D. **Geriatrics 28:100-3, Apr 73**

Etiology of human breast cancer: a review. MacMahon B, et al. **J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)**

Adverse reactions to drugs: a clinicopathologic survey of 200 infants and children. Mullick FG, et al.
J Pediatr 82:506-10, Mar 73

Zinc deficiency with altered adrenocortical function and its relation to delayed healing. Flynn A, et al.
Lancet 1:789-90, 14 Apr 73

Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72

Generalized pustular psoriasis.
Med J Aust 1:571-2, 24 Mar 73

Corticosteroid therapy and side effects involving the skin. **Med J Aust 2:1220, 25 Nov 72**

Dermatrophy from long-term occulsive topical corticosteroid therapy. Goette DK.
South Med J 66:542-6, May 73

Cleft palate and the use of corticosteroids. Cutler RS.
Vet Rec 92:103-4, 27 Jan 73

[Drug induced hemorrhages investigated with emergency endoscopy] Froget J, et al.
Ann Gastroenterol Hepatol (Paris) 8:361-7, Jul-Sep 72 (Eng. Abstr.) (Fre)

[Ocular complications after long-term treatment with local corticoids] Charleux J, et al.
Bull Soc Ophtalmol Fr 12:479-82, Apr 72 (Fre)

[The fate of 165 hemorrhagic ulcers treated in a special intensive care unit] Conte M, et al.
Sem Hop Paris 49:545-7, 14 Feb 73 (Eng. Abstr.) (Fre)

[Problems of chronic skin diseases] Meinhof W.
Fortschr Med 91:567-9, 10 May 73 (Ger)

[Sodium fluoride therapy of osteoporosis] Krokowski E, et al.
Munch Med Wochenschr 115:511-2, 23 Mar 73 (Ger)

[Observation of the lung in leukemia--analysis of clinical factors concerning the appearance of abnormal chest roentgenograms] Yamamoto M, et al.
Jap J Thorac Dis 10:429-40, Aug 72 (Eng. Abstr.) (Jap)

[Pathogenesis of amyloidosis in the light of disorders of the immune process] Plachecka-Gutowska M, et al.
Reumatologia 11:83-9, Jan 73 (47 ref.) (Pol)

[The pathogenesis of peptic ulcer of the stomach and duodenum] Samsonov VA.
Arkh Patol 34:3-11, 1972 (101 ref.) (Eng. Abstr.) (Rus)

[Complications of corticosteroid therapy] Gluzman AM, et al.
Khirurgiia (Mosk) 49:112-6, Feb 72 (Eng. Abstr.) (Rus)

ANALYSIS

Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. **Clin Chem 19:511-5, May 73**

Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73

Colorimetric determination of corticosteroids using ammonium molybdate. 1. Ibrahim el-S A, et al.
Pharmazie 28:195-6, Mar 73

[Corticosteroid metabolism disorder in obstetrical sepsis] Simakova MG.
Akush Ginekol (Mosk) 49:70-2, Feb 73 (Rus)

ANTAGONISTS & INHIBITORS

A comparison of the antilipolytic effects of nicotinic acid, methylisoxazole carboxylic acid, methylpyrazole carboxylic acid and insulin in isolated fat cells. Mengel K, et al. **Pharmacology 8:280-90, 1972**

BIOSYNTHESIS

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE.
Ann NY Acad Sci 203:123-6, 18 Dec 72

Vitamin E and metabolic regulation. Nair PP.
Ann NY Acad Sci 203:53-61, 18 Dec 72 (24 ref.)

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem 32:506-12, 1 Feb 73**

The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al.
Gen Comp Endocrinol 20:331-41, Apr 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. **Steroids Lipids Res 3:110-7, 1972**

[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

[Diseases caused by adrenal dysbormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)

[Biosynthesis of estrogens during pregnancy (survey of the literature)] Bagramian ER, et al.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)

BLOOD

The effect of maternal hypoxia on fetal pituitary hormone release in the sheep. Alexander DP, et al.
Biol Neonate 21:219-28, 1972

Modification of plasma corticosteroid concentrations

during and after surgery by epidural blockade. Gordon NH, et al. **Br Med J 1:581-3, 10 Mar 73**
Two anti-anxiety drugs: a psychoneuroendocrine study. Ogunremi OO, et al. **Br Med J 2:202-5, 28 Apr 73**
Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. **Clin Chem 19:511-5, May 73**
Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest 52:783-8, Apr 73**
The relationship of human umbilical arterial and venous plasma levels of corticosteroids to gestational age. Smith ID, et al. **J Endocrinol 55:211-2, Oct 72**
Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al. **J Pediatr 82:625-33, Apr 73**
Serum total corticoid and cortisol levels in premature infants with respiratory distress syndrome. Reynolds JW. **Pediatrics 51:884-90, May 73**
[General adaptation syndrome in the young animal] Hartmann H, et al. **Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)**
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk) 50:16-21, Aug 72 (Rus)**

METABOLISM

Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al. **Biochim Biophys Acta 297:142-54, 24 Jan 73**
Effect of scorpion venom, tityustoxin, on the release of acetylcholine from incubated slices of rat brain. Gomez MV, et al. **J Neurochem 20:1051-61, Apr 73**
[A negative correlation between the level of noradrenaline and intracellular sodium in the rat heart during corticosteroid metabolic changes] Rasin MS. **Fiziol Zh 19:234-7, Mar-Apr 73 (Ukr)**

PATHOLOGY

Overwhelming neonatal infection with ECHO 19 virus. Philip AG, et al. **J Pediatr 82:391-7, Mar 73**

PHARMACODYNAMICS

The paradoxical skin response in sarcoidosis. A hypothesis. Gross NJ. **Am Rev Respir Dis 107:798-801, May 73**
Effect of dexamethasone on phenylethanolamine N-methyltransferase in chromaffin tissue of the neonatal rat. Ciaranello RD, et al. **J Neurochem 20:799-805, Mar 73**
Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al. **J Pediatr 82:625-33, Apr 73**
Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al. **J Pharm Sci 62:690-2, Apr 73**
Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes. Sugimoto M, et al. **Jap J Med Sci Biol 25:345-53, Oct 72**
Terminal corticosteroid therapy and tissue-zinc levels. Lewis GP, et al. **Lancet 1:1056, 12 May 73**
A comparison of the antilipolytic effects of nicotinic acid, methylisoxazole carboxylic acid, methylpyrazole carboxylic acid and insulin in isolated fat cells. Mengel K, et al. **Pharmacology 8:280-90, 1972**
Fibrinogen synthesis in adrenalectomized rabbits. Seligsohn U, et al. **Proc Soc Exp Biol Med 142:824-8, Mar 73**
Effects of a week of ACTH or corticosteroid treatment on the diuretic response to water intake. A probably neuropostpituitary response to corticosteroid load. Bernard-Weil E. **Steroids Lipids Res 3:24-9, 1972**
[Action mechanism of steroid hormones] Karlson P, et al. **Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)**
[Application of collagen in vital amputation of dental pulp under experimental conditions] Krashennikova MM, et al. **Stomatologiia (Mosk) 52:1-4, Mar-Apr 73 (Eng. Abstr.) (Rus)**

PHYSIOLOGY

Sixty days in a submarine: the pathophysiological and metabolic cost. Davies DM. **J R Coll Physicians Lond 7:132-44, Jan 73**

SECRETION

Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al. **Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73**
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. **Steroids Lipids Res 3:110-7, 1972**
[Decrease of urinary adrenalin excretion in primary corticoadrenal insufficiency] Crabbé J, et al. **Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Eng. Abstr.) (Fre)**
[General adaptation syndrome in the young animal] Hartmann H, et al. **Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)**
[The hypothalamo--pituitary--adrenal axis] Solem JH. **Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)**
[Endocrinology of pregnancy (review of the literature)] Manuilova IA, et al. **Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)**

THERAPEUTIC USE

Acquired haemolytic anaemia. II. Drug-induced haemolytic anaemia. Böttiger LE, et al. **Acta Med Scand 193:227-31, Mar 73**
Menkes kinky-hair syndrome. (Trichopoliodystrophy). Low copper levels in the blood, hair, and urine. Singh S, et al. **Am J Dis Child 125:572-8, Apr 73**
Hemodynamic studies and results of therapy in 50 patients with bacteremic shock. Winslow EJ, et al. **Am J Med 54:421-32, Apr 73**
Factors related to serum and secretory immunoglobulin concentrations in patients with chronic obstructive pulmonary disease. Orfanakis MG, et al. **Am Rev Respir Dis 107:728-34, May 73**
"Silent" empyema in patients receiving corticosteroids. Sahn SA, et al. **Am Rev Respir Dis 107:873-6, May 73**
Treatment of the diseases of the dermis. Poiano MK. **Arch Belg Dermatol Syphiligr 28:59-73, Jan-Mar 72**
Recurrent fibrosarcoma of the skin preceded by inflammation. Weivaart K, et al. **Arch Chir Neerl 25:35-42, 1973**
Ocular histoplasmosis. Significance of asymptomatic macular scars. Smith RE, et al. **Arch Ophthalmol 89:296-300, Apr 73**
Corticosteroids in neonatal hepatitis. Mowat AP, et al. **Br Med J 2:50, 7 Apr 73**
Prevention of hyaline membrane disease. **Br Med J 2:65-6, 14 Apr 73**
Pulmonary aspergilloma--clinical immunology. McCarthy DS, et al. **Clin Allergy 3:57-70, Mar 73**
Chronic active hepatitis associated with eosinophilia and Coombs'-positive hemolytic anemia. Panush RS, et al. **Gastroenterology 64:1015-9, May 73**
Recent developments in viral hepatitis therapy. Hollander D. **Geriatrics 28:100-3, Apr 73**
Recent advances in therapy for refractory congestive heart failure. King JF, et al. **Geriatrics 28:94-102, Mar 73**
A relatively benign reticulosis: Crosti's "reticulohistiocytoma of the back". Cerutti P, et al. **Int J Dermatol 12:35-40, Jan-Feb 73**
Intravenous infusion of salbutamol in the management of premature labour. Liggins GC, et al. **J Obstet Gynaecol Br Commonw 80:29-32, Jan 73**
Extramembranous glomerulonephritis in children: report of 50 cases. Habib R, et al. **J Pediatr 82:754-66, May 73**
Heparin therapy in acute meningococcemia. Hathaway WE. **J Pediatr 82:900-1, May 73**
Hypoglycemia in infancy and childhood. II. Pagliara AS, et al. **J Pediatr 82:558-77, Apr 73 (188 ref.)**
Hypoplastic anemia. Starling KA, et al. **J Pediatr 82:735, Apr 73**
Zinc deficiency with altered adrenocortical function and its relation to delayed healing. Flynn A, et al. **Lancet 1:789-90, 14 Apr 73**
Terminal corticosteroid therapy and tissue-zinc levels. Lewis GP, et al. **Lancet 1:1056, 12 May 73**
Asthma in childhood. Brown J. **Med J Aust 1:654-7, 31 Mar 73**

Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72
Chronic pain due to nontraumatic joint disease. Convery FR, et al. Postgrad Med 53:152-6, May 73
Management of malignant lymphomas. Gociu M.
Rev Roum Med Intern 10:91-108, 1973 (86 ref.)
Synovial fluid glycosidase activity. Bartholomew BA.
Scand J Rheumatol 1:69-74, 1972
The effect of intra-articular osmic acid in juvenile rheumatoid arthritis. Martio J, et al.
Scand J Rheumatol 1:5-8, 1972
[Pathergy to humidity. Hydrogeological study of the Brussels region] Godin O, et al.
Acta Otorhinolaryngol Belg 26:387-460, 1972 (Eng. Abstr.) (Fre)
[Arthritis in viral hepatitis] Gueroult N, et al.
Ann Med Interne (Paris) 123:561-71, Jun-Jul 72 (Eng. Abstr.) (Fre)
[Long term hemodynamic monitoring during tuberculous pericarditis] Warembourg H, et al.
Arch Mal Coeur 65:875-83, Jul 72 (Eng. Abstr.) (Fre)
[Pemphigus vulgaris. Recurrence 9 years after sudden interruption of corticotherapy] Civatte J, et al.
Bull Soc Fr Dermatol Syphiligr 79:106-7, 1972 (Fre)
[Ocular complications after long-term treatment with local corticoids] Charleux J, et al.
Bull Soc Ophtalmol Fr 12:479-82, Apr 72 (Fre)
[Pulmonary adiaspiromycosis in an 11-year-old child] Vojtek V, et al.
J Fr Med Chir Thorac 26:383-8, Jul-Aug 72 (Eng. Abstr.) (Fre)
[Infectious mononucleosis] Cassuto JP.
Mars Med 109:651-4, 1972 (Fre)
[Changes of retinal vessels in a case of lupus erythematosus disseminatus. Development following treatment with immunosuppressive agents] Hammami H, et al.
Ophthalmologica 166:16-35, 1973 (Eng. Abstr.) (Fre)
[Thymus and myasthenia] Crousaz G de, et al.
Rev Med Suisse Romande 93:143-58, Feb 73 (Fre)
[Focal oro-pharyngeal infections and nephropathies] Lagrue G, et al.
Rev Stomatol Chir Maxillofac 73:441-54, Sep 72 (Eng. Abstr.) (Fre)
[Trial of local treatment of rheumatismal diseases with an enzyme inhibitor (Kunitz's inhibitor)] Lapousse JC, et al. Rhumatologie 24:263-71, Aug-Sep 72 (Fre)
[Sheehan's disease followed by severe arterial hypertension with right renal artery stenosis. Discussion of the role of hypopituitarism in atherogenesis] Alheaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)
[Recurrent jaundice in pregnancy and chronic isolated cholangiolitis or Hanot-Mac Mahon disease] Alhot G, et al.
Sem Hop Paris 48:3425-41, 20 Dec 72 (Eng. Abstr.) (Fre)
[Functional clinical and infrastructural study of a case of primary elastosic pulmonary sclerosis] Poulet J, et al.
Sem Hop Paris 48:3451-7, 20 Dec 72 (Eng. Abstr.) (Fre)
[Asthmatic bronchitis and asthma-like bronchitis in adults] Vidal J, et al.
Sem Hop Paris 48:3311-8, 8 Dec 72 (Eng. Abstr.) (Fre)
[Radiometric indices and splenectomy in the hepatic form of essential thromhopenia] Dimitrow L, et al.
Biut 26:134-40, Feb 73 (Eng. Abstr.) (Ger)
[No corticosteroids in the therapy of histiocytosis following BCG vaccination] Biut 26:204, Mar 73 (Ger)
[Alternating corticosteroid therapy in chronic polyarthritis] Wittenhorg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)
[Problems of chronic skin diseases] Meinhof W.
Fortschr Med 91:567-9, 10 May 73 (Ger)
[Encephalomyelitis disseminata (also called multiple sclerosis)] Meyer G.
Fortschr Med 91:611-5, 17 May 73 (Ger)
[Hemolytic anemias--clinical aspects and therapy] Roters T. Fortschr Med 91:21-6, 11 Jan 73 (Ger)
[Allergic-anaphylactic reactions and their therapy. 2. Anaphylactic shock] Rümelin K.
Fortschr Med 90:1056-60, 19 Oct 72 (Ger)
[Chemotherapy of tuberculosis demonstrated on the model-example of exudative tubercular pleurisy] Zellhofer R, et al.
Fortschr Med 91:599-602, 17 May 73 (Ger)
Onchocerciasis as cause of recurrent iridocyclitis] Steinbach PD, et al.
Klin Monatsbl Augenheilkd 162:64-7, Jan 73 (Eng. Abstr.) (Ger)
[Essential pulmonary hemosiderosis] Burmeister P, et al. Med Klin 68:433-7, 6 Apr 73 (Eng. Abstr.) (Ger)
[Clinical aspects and treatment of toxic dilatation of the colon] Miller B, et al.
Munch Med Wochenschr 115:231-6, 16 Feb 73 (Eng. Abstr.) (Ger)
[Liver tolerance of rifampicin] Ewert EG.
Prax Pneumol 27:235-40, Apr 73 (Eng. Abstr.) (Ger)
[The so-called starch peritonitis following abdominal surgery] Aeberhard P, et al.
Schweiz Med Wochenschr 103:333-7, 3 Mar 73 (Eng. Abstr.) (Ger)
[Effect of Broncasma Berna on bronchial asthma. A double blind study] Ishizaki T, et al.
Schweiz Med Wochenschr 103:455-9, 24 Mar 73 (Eng. Abstr.) (Ger)
[Combination of corticoid, anaholic steroid and antibiotic disinfection in external dermatotherapy] Ells J. Z Haut Geschlechtskr 48:193-6, 1 Mar 73 (Ger)
[Oral, florid papillomatosis] Kaulen-Becker L.
Z Haut Geschlechtskr 48:Suppl:1-3, 1 Jan 73 (Ger)
[Follow up of systemic lupus erythematosus after corticosteroids] Feureman E, et al.
Harefuah 84:155-7, 1 Feb 73 (Eng. Abstr.) (Heb)
[Sexual changes in the adult male connected with hyperproduction of dehydroepiandrosterone at the adrenal gland level] Borghi A.
Minerva Med 64:605-7, 10 Mar 73 (Ita)
[Hemolytic-uremic syndrome and microangiopathic hemolytic anemia] Dacie JV.
Recent Prog Med (Roma) 54:1-22, Jan 73 (Eng. Abstr.) (Ita)
[Observation of the lung in leukemia--analysis of clinical factors concerning the appearance of abnormal chest roentgenograms] Yamamoto M, et al.
Jap J Thorac Dis 10:429-40, Aug 72 (Eng. Abstr.) (Jap)
[Treatment of Bechterew's disease. Outlines for physical therapy and pharmacotherapy] Andrup O Jr.
Tidsskr Nor Laegeforen 93:527-9, 20 Mar 73 (Nor)
[Treatment of rheumatoid arthritis. Outlines for physical therapy and pharmacotherapy] Bilchfeldt P.
Tidsskr Nor Laegeforen 93:529-33, 20 Mar 73 (Eng. Abstr.) (Nor)
[Should ACTH be given after finished corticosteroid therapy?] Frey H.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)
[Arterial hypotension--etiology and therapy. A review] Hillestad L.
Tidsskr Nor Laegeforen 93:517-20, 20 Mar 73 (19 ref.) (Eng. Abstr.) (Nor)
[Pulmonary aspergillosis. Allergic and infectious disease patterns] Johannessen H.
Tidsskr Nor Laegeforen 93:366-72, 28 Feb 73 (Eng. Abstr.) (Nor)
[Management of systemic lupus erythematosus (LED) and related diseases] Munthe E.
Tidsskr Nor Laegeforen 93:533-6, 20 Mar 73 (Eng. Abstr.) (Nor)
[Nephrotic syndrome] Gradowska L.
Pol Arch Med Wewn 50:170-9, Feb 73 (Pol)
[Treatment of gangliobronchial fistula with bronchoscopic method] Hreniuc R.
Ftiziologia 22:177-84, Mar-Apr 73 (Eng. Abstr.) (Rum)
[Diagnostic possibilities in endocardial fibroelastosis (study based on experience in 9 cases)] Prişcu R, et al.
Pediatria (Bucur) 21:465-77, Sep-Oct 72 (Rum)
[Activity of the kininogen-kinin system in acute macrofocal myocardial infarct and its complications] Malaia LT, et al.
Klin Med (Mosk) 51:29-36, Apr 73 (Eng. Abstr.) (Rus)
[Treatment of acute disorders of atrioventricular conduction] Oberemchenko IaV, et al.
Vrach Delo 10:28-34, Oct 72 (Eng. Abstr.) (Rus)
[Development of advanced atrioventricular block during acute myocardial infarct] Nedok A.
Srp Arh Celok Lek 100:735-51, Jun 72 (Eng. Abstr.) (Ser)
[Use of immunosuppressive agents in the therapy of systemic connective tissue disorders] Berović Z.
Reumatizam 19:217-20, 1972 (Eng. Abstr.) (Cro)
[Dermatomyositis in a two-and-half-year-old] Zivić R, et al. Reumatizam 19:224-8, 1972 (Cro)

TOXICITY

[The ulcerogenic effect of the adrenal cortex and 1,2-dehydrocortisone implanted into the stomach

walls of rabbits (a histochemical study)] Grenda I, et al. Arkh Patol 34:29-35, 1972 (Eng. Abstr.) (Rus)

URINE

Excretion of catecholamines, corticosteroids and 5-HIAA as related to the testing conditions, physical fitness and psychological variable of healthy sunjects. Markiewicz L, et al. Acta Med Pol 14:51-68, 1973
Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. Clin Chem 19:511-5, May 73
Adrenocortical function of Caucasians in a tropical country. Sharma NJ, et al.
Indian J Med Res 60:409-15, Mar 72
The role of gas-liquid chromatography in steroid hormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73
Episodic variation in plasma corticosteroids in subjects with Cushing's syndrome of differing etiology. Sederberg-Olsen P, et al.
J Clin Endocrinol Metab 36:906-10, May 73
The solvolysable corticosteroids in human pregnancy urine as determined by competitive protein-binding radioassay. Ghosh PC, et al.
Steroids Lipids Res 3:75-81, 1972

ALDOSTERONE

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73
Evidence for a new class of corticosterone receptors in the rat kidney. Feldman D, et al.
Endocrinology 92:1429-41, May 73
Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al.
Psychosom Med 35:143-54, Mar-Apr 73
Radioimmunoassay of plasma aldosterone: effect of sexual differences and increasing duration of upright posture. Katz FH, et al.
Steroids Lipids Res 3:90-100, 1972

ADMINISTRATION & DOSAGE

Sex-dependence of the metabolism of aldosterone in adrenalectomized and intact rats. Morris DJ, et al.
Steroids 21:397-407, Mar 73

ANTAGONISTS & INHIBITORS

Reversal of ouabain-induced electrophysiological effects by potassium canrenoate in canine Purkinje fibers. Yeh BK, et al. Circ Res 32:501-8, Apr 73
Cerebral uptake of a 3 H-labelled spirolactone compound in the dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73
Recent advances in therapy for refractory congestive heart failure. King JF, et al.
Geriatrics 28:94-102, Mar 73
Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR.
Life Sci [I] 11:461-73, 15 May 72
On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erbler HC.
Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973

BIOSYNTHESIS

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73
The effect of serotonin and potassium on corticosterone and aldosterone production by isolated zona glomerulosa cells of the rat adrenal cortex. Tait SA, et al.
Aust J Exp Biol Med Sci 50:833-46, Dec 72
Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat. Sóiyom J.
Endokrinologie 61:92-6, 1973
The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al.
Gen Comp Endocrinol 20:331-41, Apr 73
The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72
On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erbler HC.
Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973

BLOOD

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73
Primary excess and deficiency or renin.
Br Med J 1:627-8, 17 Mar 73
Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al.
J Clin Endocrinol Metab 36:965-77, May 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73
Regulation of plasma aldosterone concentration in anephric man and renal transplant recipients. Cooke CR, et al. Kidney Int 3:160-6, Mar 73
Plasma aldosterone regulation in anephric man. Walker WG, et al. Kidney Int 3:1-5, Jan 73
Salt wastage, raised plasma-renin activity, and normal or high plasma-aldosterone: a form of pseudohypoaldosteronism. Rösler A, et al.
Lancet 1:959-62, 5 May 73
Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73
A possible form of acute cardiomyopathy as encountered in sugar cane field workers in Tongaat, Natal. Lamont NM. S Afr Med J 47:311-5, 24 Feb 73
Angiotensin, aldosterone and DOC in hypertensive disease of pregnancy. Weir RJ, et al.
Scott Med J 18:64, Mar 73
Radioimmunoassay of plasma aldosterone: effect of sexual differences and increasing duration of upright posture. Katz FH, et al.
Steroids Lipids Res 3:90-100, 1972
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Oral contraceptives and hypertension] Beckerhoff R, et al.
Schweiz Med Wochenschr 103:743-7, 19 May 73 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Radioimmunoassay of plasma aldosterone: effect of sexual differences and increasing duration of upright posture. Katz FH, et al.
Steroids Lipids Res 3:90-100, 1972

METABOLISM

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73
Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73
The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1389-96, May 73
The distribution and metabolism of labelled corticosteroids in the duck (Anas platyrhynchos). Helton ED, et al. J Endocrinol 56:361-85, Mar 73
The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 56:537-49, Mar 73
Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR.
Life Sci [I] 11:461-73, 15 May 72
The clinical laboratory in the investigation of patients with head injury. Parent AD, et al.
South Med J 66:579-85, May 73
Sex-dependence of the metabolism of aldosterone in adrenalectomized and intact rats. Morris DJ, et al.
Steroids 21:397-407, Mar 73

Complex formation by 3 H-aldosterone in rat kidney and liver. Morris DJ, et al. Steroids 21:383-96, Mar 73

[Essential hypertension: biochemical analysis--selective treatment] Bühler R, et al. Praxis 62:489-91, 17 Apr 73 (Ger)

PHARMACODYNAMICS

Plasma volume, extracellular fluid volume and exchangeable sodium concentrations in the New Zealand strain of genetically hypertensive rat. Gresson CR, et al. Clin Sci 44:349-58, Apr 73

Osmoregulation in the aquatic urodeles Amphiuma means (the Congo eel) and Siren lacertina (the mud eel). Effects of vasotocin. Bentley PJ. Gen Comp Endocrinol 20:386-91, Apr 73

Saluretic action of aldosterone in the presence of excess cortisol: restoration of salt-retaining action by prolactin. Horrobin DF, et al. J Endocrinol 56:343-4, Feb 73

An established cultured cell line (HBr-33) from human breast carcinoma. Plata EJ, et al. J Natl Cancer Inst 50:849-62, Apr 73

Salt adaptation in Bufo bufo. Ferreira HG, et al. J Physiol (Lond) 228:583-600, Feb 73

[PHA-stimulation of blood lymphocytes in patients with multiple sclerosis during combined therapy with aldosterone and spirolactone derivatives] Winnewisser M, et al. Klin Wochenschr 51:286-7, 15 Mar 73 (Eng. Abstr.) (Ger)

[Mode of action of mineralocorticoids on connective tissue cells. Biometric studies] Adhami H, et al. Z Mikrosk Anat Forsch 86:289-96, 1972 (Eng. Abstr.) (Ger)

[Effect of corticosteroids on the activity of NA-K-adenosinetriphosphatase, dehydrogenases and carbonic anhydrase in the cells of rat kidney tubules] Krestinskaia TV, et al. Probl Endokrinol (Mosk) 19:94-8, Jan-Feb 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73

Altered renal homeostasis with acute sepsis. Clinical significance. Lucas CE, et al. Arch Surg 106:444-9, Apr 73

Sodium and diuretics in pregnancy. Lindheimer MD, et al. N Engl J Med 288:891-4, 26 Apr 73 (34 ref.)

SECRETION

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al. Acta Physiol Lat Am 22:231-40, 1972

The structure and function of adrenal autotransplants. Wright RD, et al. Aust J Exp Biol Med Sci 50:873-92, Dec 72

Roy Douglas Wright. (Wright RD), Aust J Exp Biol Med Sci 50:791-4, Dec 72

Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73

Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al. Gen Comp Endocrinol 20:274-82, Apr 73

Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland. Chan SW, et al. Gen Comp Endocrinol 20:291-6, Apr 73

The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S. Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)

Endocrine causes of hypertension. Batsakis JG. J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

Plasma aldosterone regulation in anephric man. Walker WG, et al. Kidney Int 3:1-5, Jan 73

Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73

Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al. Psychosom Med 35:143-54, Mar-Apr 73

[Arterial hypertension and mineralocorticoids] Molinatti GM, et al. Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)

[Nephrotic syndrome] Gradowska L. Pol Arch Med Wewn 50:170-9, Feb 73 (Pol)

THERAPEUTIC USE

A new approach to the treatment of brain oedema: mineralocorticoids. Schmiedek P, et al. Br J Surg 60:316, Apr 73

[PHA-stimulation of blood lymphocytes in patients with multiple sclerosis during combined therapy with aldosterone and spirolactone derivatives] Winnewisser M, et al. Klin Wochenschr 51:286-7, 15 Mar 73 (Eng. Abstr.) (Ger)

URINE

The renal response to an oral salt and fluid load in children with coarctation of the aorta. Aperia A, et al. Acta Paediatr Scand 62:241-7, May 73

Volume-dependent essential and steroid hypertension. Dustan HP, et al. Am J Cardiol 31:606-15, May 73

Effects of an hyperoxic hypobaric environment on renin-aldosterone in normal man. Epstein M, et al. J Appl Physiol 34:49-52, Jan 73

The distribution and metabolism of labelled corticosteroids in the duck (Anas platyrhynchos). Helton ED, et al. J Endocrinol 56:361-85, Mar 73

Familial glucocorticoid insufficiency. Moshang T Jr, et al. J Pediatr 82:821-6, May 73

[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G. Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)

[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al. Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)

[Diagnosis and therapy of primary hyperaldosteronism] Hodler J. Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

[The relationship between anesthesia and the mineralocorticoid function of the adrenals during surgery] Poliukhov SM, et al. Klin Khir 10:63-5, Oct 72 (Rus)

[Hormonal influences on water-electrolyte metabolism in viral hepatitis] Bunin KV, et al. Klin Med (Mosk) 50:37-40, Dec 72 (Rus)

[Aldosterone in glomerulonephritis] Iunds IF, et al. Vrach Delo 10:96-100, Oct 72 (Eng. Abstr.) (Rus)

[The effect of aldactone on aldosterone excretion and mineral metabolism in chronic cor pulmonale] Shvets LV. Vrach Delo 12:40-3, Dec 72 (Eng. Abstr.) (Rus)

[Electrolyte balance and aldosterone excretion in children with biliary tract diseases] Cherevko SA. Pediatr Akush Ginekol 5:21-3, Oct 72 (Ukr)

ANDROSTERONE

ADMINISTRATION & DOSAGE

[Intrauterine placentography using ultrasonics and placental function] Prenziau P, et al. Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)

BLOOD

Rapid method for quantitative determination of propoxyphene in serum by gas-liquid chromatography. Evenson MA, et al. Clin Chem 19:492-5, May 73

Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al. Lancet 1:628-31, 24 Mar 73

Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

Plasma androsterone, dehydroepiandrosterone and 11-hydroxycorticoids in obesity. Effects of diet and physical activity. Sonka J, et al. Steroids Lipids Res 3:65-74, 1972

ISOLATION & PURIFICATION

Kinetic study of the metabolism of (4- 14 C)

dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

METABOLISM

Studies on the metabolism of C 19 steroids in the foeto-placental unit. 6. Formation and metabolism of testosterone sulphate in the intact foeto-placental unit. Ermini M, et al.
Acta Endocrinol (Kbh) 72:786-800, Apr 73
Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of androgens by porcine blood cells. Kraemer MA, et al.
Can J Biochem 51:390-6, Apr 73
Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al.
J Clin Endocrinol Metab 36:801-3, May 73
The metabolism of testosterone by human male scalp skin. Bingham KD, et al. J Endocrinol 57:111-21, Apr 73
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972
[Etiopathogenesis of the psoriatic disease] Holzmann H, et al. Med Welt 24:429-34, 23 Mar 73 (85 ref.) (Ger)
[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al.
Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)
[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-debydroepiandrosterone-phosphatide in man] Oertel GW, et al.
Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)
[Intrauterine placentography using ultrasonics and placental function] Prenzlau P, et al.
Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)

PHARMACODYNAMICS

Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al.
Endocrinology 92:941-5, Mar 73
Hormonal specificity in the suppression of sexual receptivity of the female golden hamster. Coniglio LP, et al. J Endocrinol 57:55-61, Apr 73

SECRETION

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Hormonal disorders in dysbormonal breast hyperplasia] Turkevicb NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

URINE

Clinical, histochemical, and biocbemical studies of an ovarian dysgerminoma witb tropboblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72
Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents. Sloh A, et al.
Clin Chim Acta 44:307-18, 30 Mar 73
Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. Q J Stud Alcohol 34:57-63, Mar 73
Urinary steroid excretion in hirsutism. I. Individual 17-ketosteroids (unconjugated and conjugated). Pal SB. Steroids Lipids Res 3:14-23, 1972
Urinary steroid patterns after short and long term treatment with buman chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of tbe ovary in female sehorrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Metabolism of dehydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al.
Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)
[Intrauterine placentography using ultrasonics and placental function] Prenzlau P, et al.
Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)
[Estrogen and androgen excretion in men with coronary atherosclerosis] Tiul'pin IN, et al.
Klin Med (Mosk) 50:105-10, Aug 72 (Eng. Abstr.) (Rus)
[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

BETAMETHASONE

ADMINISTRATION & DOSAGE

A double-blind comparison of fluocinonide and betamethasone valerate ointments. McCuistion CH, et al. Curr Ther Res 15:44-7, Feb 73
Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Corticosteroids versus antibiotics. Raab W, et al. Dermatologica 145:400-2, 1972
Corticosteroid-sparing effect of -adrenergic blocking agents in pemphigus vulgaris. Singh I, et al. Dermatologica 146:55-60, 1973
Clinical evaluation of a new corticosteroid in the treatment of canine dermatitis. Gunderson GR, et al. Vet Med Small Anim Clin 68:339 passim, Apr 73

ADVERSE EFFECTS

Nephrosis, steroids, pancreatitis, and diabetic ketoacidosis. Kobayashi A, et al.
Am J Dis Child 125:726-9, May 73
Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Topical drug addiction: adverse effects of fluorinated corticosteroid creams and ointments. Burry JN.
Med J Aust 1:393-6, 24 Feb 73
Strongyloides stercoralis hyperinfection: case report. Powles AC. NZ Med J 77:169-71, Mar 73

PHARMACODYNAMICS

Induction of labour in sheep and in humans by single doses of corticosteroids. Matl JK, et al.
Br Med J 2:149-51, 21 Apr 73
Corticosteroids versus antibiotics. Raab W, et al. Dermatologica 145:400-2, 1972

THERAPEUTIC USE

Nephrosis, steroids, pancreatitis, and diabetic ketoacidosis. Kobayashi A, et al.
Am J Dis Child 125:726-9, May 73
Chronic open-angle glaucoma secondary to rbegmatogenous retinal detachment. Schwartz A.
Am J Ophthalmol 75:205-11, Feb 73
Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Corticosteroid-sparing effect of -adrenergic blocking agents in pemphigus vulgaris. Singh I, et al. Dermatologica 146:55-60, 1973
Topical drug addiction: adverse effects of fluorinated corticosteroid creams and ointments. Burry JN.
Med J Aust 1:393-6, 24 Feb 73
Strongyloides stercoralis hyperinfection: case report. Powles AC. NZ Med J 77:169-71, Mar 73
Clinical evaluation of a new corticosteroid in the treatment of canine dermatitis. Gunderson GR, et al. Vet Med Small Anim Clin 68:339 passim, Apr 73

CORTICOSTERONE

Haem protein P-450 from the adrenal cortex: interaction witb steroids and tbe hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972
Sympatbetic nervous system and

deoxycorticosterone-saline hypertension. Clarke DE. **Circ Res 32:536-7, Apr 73**
Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. **Endocrinology 92:679-86, Mar 73**
Adverse systemic effects from topical eye drugs. **Med Lett Drugs Ther 15:23-4, 2 Mar 73**

ADMINISTRATION & DOSAGE

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al. **Am J Vet Res 34:353-6, Mar 73**
Daily variations in the effects of handling on fat storage and testicular weights in several vertebrates. Meier AH, et al. **J Exp Zool 184:281-7, May 73**

ANALYSIS

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. **J Dairy Sci 56:569-74, May 73**
Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Libertun C, et al. **J Endocrinol 55:221-2, Oct 72**
[Concentration and rate of disappearance of corticosterone in relation to the quality of alimentary proteins in growing rats] Kamoun A. **Pathol Biol (Paris) 21:123-32, Feb 73 (Eng. Abstr.) (Fre)**

BIOSYNTHESIS

The effect of serotonin and potassium on corticosterone and aldosterone production by isolated zona glomerulosa cells of the rat adrenal cortex. Tait SA, et al. **Aust J Exp Biol Med Sci 50:833-46, Dec 72**
Genetic and biochemical studies of the adrenal lipid depletion phenotype in mice. Doering CH, et al. **Biochem Genet 8:101-11, Jan 73**
Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat. Sólyom J. **Endokrinologie 61:92-6, 1973**
Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem 32:506-12, 1 Feb 73**
The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al. **Gen Comp Endocrinol 20:331-41, Apr 73**
Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al. **J Biol Chem 248:2409-17, 10 Apr 73**
The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. **J Endocrinol 56:537-49, Mar 73**
Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. Richardson MC, et al. **J Endocrinol 55:127-39, Oct 72**
On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erhler HC. **Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973**
Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Vapaatalo H, et al. **Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72**
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. **Steroids Lipids Res 3:110-7, 1972**

BLOOD

Extra-adrenal effect of ACTH on fibrinogen synthesis. Seligsohn U, et al. **Am J Physiol 224:1172-9, May 73**
Enhancement of biologic activity and secretion of corticosteroid by a triazine derivative in rats. Kambayashi Y, et al. **Arzneim Forsch 23:225-7, Feb 73**
Expectancy and the pituitary-adrenal system. Levine S, et al. **Ciba Found Symp 8:281-91, 1972**
Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. **Clin Chem 19:511-5, May 73**
Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al. **Endocrinology 92:1305-11, May 73**
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamstera. Colby HD, et al. **Endocrinology 92:769-74, Mar 73**
Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone ssecretion on subsequent stress responses in the rat. Dallman MF, et al. **Endocrinology 92:1367-75, May 73**
Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al. **Endocrinology 92:1502-6, May 73**
Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat. Sólyom J. **Endokrinologie 61:92-6, 1973**
Daily rhythms of plasma corticosterone in the common pigeon, Columba livia. Joseph MM, et al. **Gen Comp Endocrinol 20:326-30, Apr 73**
Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. **J Am Vet Med Assoc 162:629-39, 15 Apr 73**
Plasma catecholamine response to exercise and cold adaptation. Chin AK, et al. **J Appl Physiol 34:409-12, Apr 73**
Quantitative measurement and significance of 5 plasma corticosteroids during the perinatal period. Klein GP, et al. **J Clin Endocrinol Metab 36:944-50, May 73**
Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. **J Dairy Sci 56:569-74, May 73**
The role of transcortin in the regulation of corticotrophin secretion. Acs Z, et al. **J Endocrinol 56:317-8, Feb 73**
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al. **J Endocrinol 56:413-9, Mar 73**
Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Libertun C, et al. **J Endocrinol 55:221-2, Oct 72**
Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. **J Lab Clin Med 81:803-8, May 73**
The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. **J Physiol (Lond) 229:697-707, Mar 73**
The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. **J Physiol (Lond) 229:681-95, Mar 73**
Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. **Lab Pract 22:348, May 73**
Relationship between catecholamines and ACTH: effects of 6-hydroxy-dopamine. Lippa AS, et al. **Nature [New Biol] 241:24-5, 3 Jan 73**
Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus. Bouillé C, et al. **Neuroendocrinology 11:73-91, 1973**
Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Hiroshige T, et al. **Neuroendocrinology 11:306-20, 1973**
Influence of water deprivation on adrenocortical rhythms. Johnson JT, et al. **Neuroendocrinology 11:268-73, 1973**
Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat. Lengvári I, et al. **Neuroendocrinology 11:191-6, 1973**
Chronic stress effects on adrenocortical responsiveness in young and aged rats. Riegle GD. **Neuroendocrinology 11:1-10, 1973**
The effect of infantile stimulation upon hypothalamic CRF levels following adrenalectomy in the adult rat. Campbell PS, et al. **Proc Soc Exp Biol Med 142:781-3, Mar 73**
Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al. **Proc Soc Exp Biol Med 142:749-54, Mar 73**
Binding of cyproterone acetate to plasma proteins.

Sammelwitz PH, et al.
Proc Soc Exp Biol Med 143:189-91, May 73
Fibrinogen synthesis in adrenalectomized rabbits. Seligsohn U, et al.
Proc Soc Exp Biol Med 142:824-8, Mar 73
Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al.
Proc Soc Exp Biol Med 142:804-10, Mar 73
Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73
Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972
The development of daily change in serum corticosterone in pre-weanling rats. Ramaley JA. Steroids 21:433-42, Mar 73
[Concentration and rate of disappearance of corticosterone in relation to the quality of alimentary proteins in growing rats] Kamoun A.
Pathol Biol (Paris) 21:123-32, Feb 73 (Eng. Abstr.) (Fre)
[Thyroid and adrenal gland function in rats with hereditary spontaneous hypertension] Wesseis F, et al. Med Welt 24:727-8, 4 May 73 (Ger)

METABOLISM

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73
Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. Acta Endocrinol (Kbh) 72:737-45, Apr 73
Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al. Biochim Biophys Acta 297:142-54, 24 Jan 73
Species distribution of testosterone-binding globulin. Corvol P, et al. Biol Reprod 8:277-82, Apr 73
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. Endocrinology 92:769-74, Mar 73
Evidence for a new class of corticosterone receptors in the rat kidney. Feldman D, et al.
Endocrinology 92:1429-41, May 73
The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1389-96, May 73
The distribution and metabolism of labelled corticosteroids in the duck (Anas platyrhynchos). Helton ED, et al. J Endocrinol 56:361-85, Mar 73
[Concentration and rate of disappearance of corticosterone in relation to the quality of alimentary proteins in growing rats] Kamoun A.
Pathol Biol (Paris) 21:123-32, Feb 73 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al. Am J Vet Res 34:353-6, Mar 73
Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. Endocrinology 92:743-9, Mar 73
Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone ssecretion on subsequent stress responses in the rat. Dallman MF, et al. Endocrinology 92:1367-75, May 73
Androgenic induction of alpha-2u globulin in rats: androgen insensitivity in prepubertal animals. Roy AK. Endocrinology 92:957-60, Mar 73
Inhibition of crop sac growth by dexamethasone in ring doves (Streptopelia risoria). Silver R, et al.
Endocrinology 92:1568-71, May 73
Phenylalanine hydroxylase in cultured hepatoxytes. I. Hormonal control of enzyme levels. Haggerty DF, et al. J Biol Chem 248:223-32, 10 Jan 73
Androgen-dependent synthesis of alpha-2u globulin in the rat: role of the pituitary gland. Roy AK. J Endocrinol 56:295-301, Feb 73
Daily variations in the effects of handling on fat storage and testicular weights in several vertebrates. Meier AH, et al. J Exp Zool 184:281-7, May 73
The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. J Physiol (Lond) 229:681-95, Mar 73
Assay of phenylethanolamine N-methyltransferase. Burke WJ, et al.
Proc Soc Exp Biol Med 142:928-32, Mar 73

PHYSIOLOGY

Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone ssecretion on subsequent stress responses in the rat. Dallman MF, et al. Endocrinology 92:1367-75, May 73

SECRETION

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al.
Acta Physiol Lat Am 22:231-40, 1972
Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al.
Gen Comp Endocrinol 20:274-82, Apr 73
Variations in the in vitro production of corticosteroids by the herring gull (Larus argentatus) adrenal glands. Chan SW, et al.
Gen Comp Endocrinol 20:283-90, Apr 73
Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland. Chan SW, et al.
Gen Comp Endocrinol 20:291-6, Apr 73
Influence of water deprivation on adrenocortical rhythms. Johnson JT, et al.
Neuroendocrinology 11:268-73, 1973
Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat. Lengvári I, et al.
Neuroendocrinology 11:191-6, 1973

THERAPEUTIC USE

[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Alheaux-Fernet M, et al.
Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Alheaux-Fernet M, et al.
Sem Hop Paris 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)

URINE

The solvolysable corticosteroids in human pregnancy urine as determined by competitive protein-binding radioassay. Ghosh PC, et al.
Steroids Lipids Res 3:75-81, 1972
[Corticosteroid metabolism disorder in obstetrical sepsis] Simakova MG.
Akush Ginekol (Mosk) 49:70-2, Feb 73 (Rus)

CORTISONE

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972
Evidence for a loss of recirculating capacity of T-cells after antigenic stimulation. Jacobsson H, et al.
Clin Exp Immunol 13:439-53, Mar 73
A comparison of the molecular structures of six corticosteroids. Weeks CM, et al.
J Am Chem Soc 95:2865-8, 2 May 73
The kinetics of thermal dehydration and transformation of solid cortisone acetate. Carless JE, et al. J Pharm Pharmacol 24:Suppl:130P-131, Dec 72
Influence of sex-linked genes on embryonic sensitivity to cortisone in three strains of mice. Francis BM.
Teratology 7:119-25, Apr 72
[Bioassay of various anti-ulcer drugs using the clamping-cortisone ulcer--with special reference to the tissue and numerical analysis] Hori H.
Jap J Gastroenterol 69:19-35, Jan 72 (Eng. Abstr.) (Jap)

ADMINISTRATION & DOSAGE

Hormonal modification of mouse liver lysosomal

protein metabolism by cortisone acetate. Chertow BS, et al. Endocrinology 92:722-7, Mar 73
Potentiation of cortisone-induced RES suppression in mice by vitamin K 1 . Pariser RJ, et al. J Reticuloendothel Soc 13:319-24, Apr 73
[Studies on the effect of cyclophosphamide and cortisone on experimental antibody formation] Loew H, et al. Arzneim Forsch 22:1956-8, Nov 72 (Eng. Abstr.) (Ger)
[Contrast radiography in the diagnosis of maxillary sinusitis] Hirizescu D, et al. Otorinolaringologie 18:27-36, Jan-Feb 73 (Eng. Abstr.) (Rum)

ADVERSE EFFECTS

Emergencies in opbtbalmology. Sevel D. S Afr Med J 47:583-8, 7 Apr 73
Present status of drugs as teratogens in man. Wilson JG. Teratology 7:3-15, Feb 73 (104 ref.)
[Arterial hypertension and mineralocorticoids] Molinatti GM, et al. Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)
[Glaucoma. 2. Glaucoma simplex, glaucoma in the small child, secondary glaucoma] Leydbecker W. Fortschr Med 90:1047-50, 19 Oct 72 (Ger)
[Congenital glaucoma and cortisone] Gnad HD, et al. Klin Monatsbl Augenheilkd 162:86-90, Jan 73 (Eng. Abstr.) (Ger)
[Complications of corticosteroid therapy] Gluzman AM, et al. Khirurgiia (Mosk) 49:112-6, Feb 72 (Eng. Abstr.) (Rus)

ANALYSIS

[The use of IR spectrophotometry to characterize reference standards for cortisone acetate] Arzamastsev AP. Farmatsiia 22:40-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Tbe effect of tborotrast and cortisone on renal cortical fibrinolytic activity in tbe rabbit. Bergstein JM, et al. Am J Pathol 71:113-8, Apr 73

BIOSYNTHESIS

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-debydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73

BLOOD

Quantitative measurement and significance of 5 plasma corticosteroids during tbe perinatal period. Klein GP, et al. J Clin Endocrinol Metab 36:944-50, May 73
Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by tbe human fetus in early gestation. Murpby BE. J Clin Endocrinol Metab 36:1037-8, May 73
Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al. J Clin Endocrinol Metab 36:937-43, May 73
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripberal and adrenal venous plasma. Clements AS, et al. J Endocrinol 56:413-9, Mar 73
The metsbolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Beitins IZ, et al. Pediatr Res 7:509-19, May 73
Cortisol and cortisone levels in umbilical cord plasma and maternal plasma of normal pregnancies. Dormer RA, et al. Steroids 21:497-510, Apr 73

DIAGNOSTIC USE

Evidence for impaired glucose tolerance in uncomplicated psoriasis. Preliminary report. Burns RE, et al. Arch Dermatol 107:371-2, Mar 73

METABOLISM

Species distribution of testosterone-binding globulin. Corvol P, et al. Biol Reprod 8:277-82, Apr 73

PHARMACODYNAMICS

The effect of tborotrast and cortisone on renal cortical fibrinolytic activity in tbe rabbit. Bergstein JM, et al. Am J Pathol 71:113-8, Apr 73
Control of rat adipose tissue metsbolism by cortisone in relation to epinephrine. Mukherjee SP, et al. Am J Physiol 224:898-903, Apr 73
Achondroplasia in tbe embryonic chick: its potentiation by cortisone acetate and alleviation by vitamin C. Hall BK. Can J Zool 50:1527-36, Dec 72
Immunologic properties of mouse thymus cells: membrane antigen patterns associated with various cell subpopulations. Konda S, et al. Cell Immunol 7:275-89, May 73
Hormonal modification of mouse liver lysosomal protein metsbolism by cortisone acetate. Chertow BS, et al. Endocrinology 92:722-7, Mar 73
Effects of glucocorticoid and aminophylline on glucose intolerance of adrenalectomized rats. De Santis RA, et al. Endocrinology 92:716-21, Mar 73
Suppression of tbymidine incorporation into tbe gastric mucosa of cortisone-treated rats: possible relation to glucocorticoid-induced gastric ulceration. Loeb JN, et al. Endocrinology 92:1322-7, May 73
Effects of age on patterns of enzyme adaptation in male and female rats. Rahman YE, et al. Exp Gerontol 8:93-100, Apr 73
Mechanisms of iron absorption and transport in neonatal rat intestine. Gallagher ND, et al. Gastroenterology 64:438-44, Mar 73
Effect of cortisone administration on experimental nocardiosis. Mishra SK, et al. Infect Immun 7:123-9, Feb 73
Studies on the conversion of proinsulin to insulin. II. Evidence for a cbymotrypsin-like cleavage in tbe connecting peptide region of insulin precursors in tbe rat. Tager HS, et al. J Biol Chem 248:3476-82, 25 May 73
The influence of corticosteroids on normal and papain-treated articular cartilage in tbe rabbit. Shaw NE, et al. J Bone Joint Surg [Br] 55:197-205, Feb 73
Effects of cortisone administration on rat liver mitochondria. Support for the concept of mitocbondrial fusion. Kimberg DV, et al. J Cell Biol 55:625-43, Dec 72
Effects of corticosteroids and splenectomy on the immune clearance and destruction of erythrocytes. Atkinson JP, et al. J Clin Invest 52:1509-17, Jun 73
Effects of cortisone administration on the metabolism and localization of 25-bydroxycbolecalciferol in tbe rat. Favus MJ, et al. J Clin Invest 52:1328-35, Jun 73
An establisbed cultured cell line (HBr-39) from buman breast carcinoma. Plata EJ, et al. J Natl Cancer Inst 50:849-62, Apr 73
Potentiation of cortisone-induced RES suppression in mice by vitamin K 1 . Pariser RJ, et al. J Reticuloendothel Soc 13:319-24, Apr 73
Peroral infection in Tyzzer's disease of mice. Fujiwara K, et al. Jap J Exp Med 43:33-42, Feb 73
Estradiol-17 , cyclic AMP and prostaglandins: in vivo and in vitro studies on the cervicovaginal epithelium from neonatal mice. Kvinnsland S. Life Sci [I] 12:373-84, 15 Apr 73
Cell-mediated immunity in vitro against syngeneic mouse plasma tumour cells. Wagner H, et al. Nature [New Biol] 241:53-4, 10 Jan 73
The metsbolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Beitins IZ, et al. Pediatr Res 7:509-19, May 73
Mast cells in tbe mammalian area postrema. Cammermeyer J. Z Anat Entwicklungsgesch 139:71-92, 1972
[Morphological investigations of reticulation of the tonsil epitbelium] Falk P, et al. Acta Otolaryngol (Stockh) 75:85-103, Feb-Mar 73 (Eng. Abstr.) (Ger)
[Studies on tbe effect of cyclophosphamide and cortisone on experimental antibody formation] Loew H, et al. Arzneim Forsch 22:1956-8, Nov 72 (Eng. Abstr.) (Ger)
[Age difference in the cortisone induced changes of tbe bepatic cells in mice. 2. Ultramicromeasurement and enzymatic cytochemistry by electron microscopy] Sato T, et al. Jap J Geriatr 10:42-9, Jan 73 (Eng. Abstr.) (Jap)
[Role of adrenal bormones in primary radiation damage to supramolecular DNA of rat tissues] Strazhevskaia NB, et al.

Radiobiologiia 12:644-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Control of rat adipose tissue metabolism by cortisone in relation to epinephrine. Mukherjee SP, et al. Am J Physiol 224:898-903, Apr 73

SECRETION

Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al. J Endocrinol 56:413-9, Mar 73

THERAPEUTIC USE

Fifteen cases of toxic epidermal necrolysis (Lyell). Björnberg A. Acta Derm Venereol (Stockh) 53:149-52, 1973
Hypercalcemia in adrenocortical insufficiency. Jorgensen H. Acta Med Scand 193:175-9, Mar 73
Chronic open-angle glaucoma secondary to rhegmatogenous retinal detachment. Schwartz A. Am J Ophthalmol 75:205-11, Feb 73
Combination chemotherapy for clinically established graft-versus-host disease in mice. Glucksberg H, et al. Cancer Res 33:859-61, Apr 73
Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. Fertil Steril 24:319-23, Apr 73
Prognosis of patients with arthritis. Barton EM. Ind Med Surg 42:23-4, Apr 73
Current thinking in Hodgkin's disease. Principles of treatment. Desai PB. Indian J Cancer 9:315-8, Dec 72
Effects of corticosteroids and splenectomy on the immune clearance and destruction of erythrocytes. Atkinson JP, et al. J Clin Invest 52:1509-17, Jun 73
Neonatal isoimmune purpura: response to platelet infusions. McIntosh S, et al. J Pediatr 82:1020-7, Jun 73
Hypoglycemia in infancy and childhood. I. Pagliara AS, et al. J Pediatr 82:365-79, Mar 73 (66 ref.)
Hydrotubation used on difficult infertility patients. J Reprod Med 10:144-6, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. J Urol 109:321-4, Mar 73
The effect of hormonal therapy on a transplantable renal cortical adenocarcinoma in syngeneic mice. Soloway MS, et al. J Urol 109:356-61, Mar 73
Sex-related resistance in hamsters to adenovirus oncogenesis. Yohn DS. Prog Exp Tumor Res 18:138-65, 1973 (59 ref.)
Synovectomy of the knee in rheumatoid arthritis and allied conditions. Drablos PA. Scand J Rheumatol 1:49-52, 1972
[Sodium loss of probable central origin after cranio-cerebral bullet injury] Lefebvre J, et al. Ann Endocrinol (Paris) 33:73-82, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Course of accidental myography after selective angiocardiography] Bensaid J, et al. Arch Mal Coeur 65:673-83, Jun 72 (Eng. Abstr.) (Fre)
[Fuso-cellular thymoma associated with erythroblastopenia, megakaryocytopenia and cytomegalic inclusion disease] Bernadou A, et al. Sem Hop Paris 48:3443-9, 20 Dec 72 (Eng. Abstr.) (Fre)
[Congenital glaucoma and cortisone] Gnad HD, et al. Klin Monatsbl Augenheilkd 162:86-90, Jan 73 (Eng. Abstr.) (Ger)
[Possibilities of rehabilitation in children with bronchial asthma] Menger W. Rehabilitation (Stuttg) 11:199-206, Nov 72 (Eng. Abstr.) (Ger)
[Anaphylactic shock during anesthesia induced by oxypolygelatin] Löding HW, et al. Z Prakt Anaesth 7:283-7, Oct 72 (Eng. Abstr.) (Ger)
[Case report on cutaneous reticulo-endotheliosis] Sandri R. Minerva Med 64:623-8, 10 Mar 73 (Ita)
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)
[Effects of alpha-aminoglutethimide administration in a patient with pituitary diabetes insipidus] Torres-Zamora M, et al. Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

URINE

The solvolysable corticosteroids in human pregnancy urine as determined by competitive protein-binding radioassay. Ghosh PC, et al. Steroids Lipids Res 3:75-81, 1972
[Glucocorticoid hormone and catecholamine excretion in patients with acute renal insufficiency] Ostapiuk FE, et al. Klin Med (Mosk) 51:124-8, Feb 73 (Eng. Abstr.) (Rus)

DEHYDROEPIANDROSTERONE

In vitro transformation of steroids as a substitute of microbial transformation. Matkovics B. Steroids Lipids Res 3:1-7, 1972 (15 ref.)
[Changes in the delta 5-3 beta-hydroxysteroid dehydrogenase enzymatic activity in the genital glands of Emys orbicularis L embryos (chelonians) according to incubation temperature] Pieau C. C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)

ADMINISTRATION & DOSAGE

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tai E, et al. J Endocrinol 57:183-4, Apr 73
[Metabolism of dehydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al. Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)

ANALYSIS

Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73

BLOOD

Steroid hormone levels in human fetal blood during delivery. Arai K, et al. Am J Obstet Gynecol 114:812-5, 15 Nov 72
The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. J Endocrinol 57:123-34, Apr 73
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al. Lancet 1:1076-9, 19 May 73
Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al. Lancet 1:628-31, 24 Mar 73
Plasma androsterone, dehydroepiandrosterone and 11-hydroxycorticoids in obesity. Effects of diet and physical activity. Sonka J, et al. Steroids Lipids Res 3:65-74, 1972
[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al. Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)
[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

ISOLATION & PURIFICATION

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

METABOLISM

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al. Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)
Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfurylation. Leung BS, et al. Arch Surg 106:515-9, Apr 73
Heterogeneity of hepatic mixed function oxidases. Björkhem I, et al. Biochem Biophys Res Commun 51:766-74, 2 Apr 73
Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of

androgens by porcine blood cells. Kraemer MA, et al. **Can J Biochem 51:390-6, Apr 73**

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. **Endocrinology 92:657-66, Mar 73**

Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al. **Endocrinology 92:1397-404, May 73**

Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. **Endocrinology 92:866-80, Mar 73**

Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al. **J Clin Endocrinol Metab 36:801-3, May 73**

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. **J Endocrinol 56:387-402, Mar 73**

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. **J Steroid Biochem 4:85-7, Jan 73**

Metabolism of androgens by human breast tissue. Miller WR, et al. **Lancet 809:912-3, 28 Apr 73**

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. **Steroids Lipids Res 3:160-9, 1972**

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. **Steroids Lipids Res 3:170-7, 1972**

[Glucose-6-phosphate dehydrogenase inhibition by steroids. 5. Influence of placental glucose-6-phosphate dehydrogenase activity on 7 - 3 H-dehydroepiandrosterone metabolism] Benes P, et al. **Endokrinologie 60:340-6, 1972 (Eng. Abstr.) (Ger)**

[Inhibition of glucose-6-phosphate dehydrogenase by steroids. 7. Influence of placental G-6-PDH activity on estrogen synthesis from 7-alpha-3H-DHEA, 7-alpha-3H-DHEA sulfate or 7-alpha-3H-DHEA sulfatide] Hoffmann G, et al. **Endokrinologie 61:124-31, 1973 (Eng. Abstr.) (Ger)**

[Metabolism of dehydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al. **Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)**

[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al. **Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)**

[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al. **Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)**

PHARMACODYNAMICS

Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al. **Antonie van Leeuwenhoek 39:21-31, 1973**

The effect of adenine nucleotides and dehydroepiandrosterone on the isoenzymes of NADP + -and NAD + -glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase from rat adipose tissue. Beitner R, et al. **Biochim Biophys Acta 286:437-40, 29 Dec 72**

Dehydroepiandrosterone-induced thyprotrophin release in immature rats. Tal E, et al. **J Endocrinol 57:183-4, Apr 73**

[Effect of dehydroepiandrosterone on the mitotic cycle] Holzmann H, et al. **Arzneim Forsch 23:271-4, Feb 73 (Eng. Abstr.) (Ger)**

[Glucose-6-phosphate dehydrogenase inhibition by steroids. 5. Influence of placental glucose-6-phosphate dehydrogenase activity on 7 - 3 H-dehydroepiandrosterone metabolism] Benes P, et al. **Endokrinologie 60:340-6, 1972 (Eng. Abstr.) (Ger)**

[Inhibition of glucose-6-phosphate dehydrogenase by steroids. 7. Influence of placental G-6-PDH activity on estrogen synthesis from 7-alpha-3H-DHEA, 7-alpha-3H-DHEA sulfate or 7-alpha-3H-DHEA sulfatide] Hoffmann G, et al. **Endokrinologie 61:124-31, 1973 (Eng. Abstr.) (Ger)**

SECRETION

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. **J Endocrinol 57:123-34, Apr 73**

[Sexual changes in the adult male connected with hyperproduction of dehydroepiandrosterone at the adrenal gland level] Borghi A. **Minerva Med 64:605-7, 10 Mar 73 (Ita)**

TOXICITY

Toxicity in beagle dogs of three alkylating esters with antitumor activity: phenesterin (NSC-104469), estradiol mustard (NSC-112259), and dehydroepiandrosterone mustard (NSC-12121). Schaeppi U, et al. **Cancer Chemother Rep [Suppl] 4:Suppl:85-95, Jan 73**

URINE

Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. **Ann NY Acad Sci 203:103-10, 18 Dec 72**

Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents. Slob A, et al. **Clin Chim Acta 44:307-18, 30 Mar 73**

Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. **Q J Stud Alcohol 34:57-63, Mar 73**

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al. **Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. **Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)**

DESOXYCORTICOSTERONE

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al. **Biochem Soc Symp 34:187-206, 1972**

BIOSYNTHESIS

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. **Eur J Biochem 32:506-12, 1 Feb 73**

The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al. **Gen Comp Endocrinol 20:331-41, Apr 73**

The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. **Steroids Lipids Res 3:110-7, 1972**

BLOOD

Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al. **Gen Comp Endocrinol 20:274-82, Apr 73**

Quantitative measurement and significance of 5 plasma corticosteroids during the perinatal period. Klein GP, et al. **J Clin Endocrinol Metab 36:944-50, May 73**

Angiotensin, aldosterone and DOC in hypertensive disease of pregnancy. Weir RJ, et al. **Scott Med J 18:64, Mar 73**

METABOLISM

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. **Acta Endocrinol (Kbh) 72:746-52, Apr 73**

Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. **Acta Endocrinol (Kbh) 72:737-45, Apr 73**

Evidence for steroid metabolism during the in vitro induction of maturation in oocytes of Rana pipiens. Reynhout JK, et al. **Dev Biol 30:392-402, Feb 73**

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic

3':5'-monophosphate on corticosteroidogenesis. Sharma RK. Eur J Biochem 32:506-12, 1 Feb 73

PHARMACODYNAMICS

Mineralocorticoid activity of 18-hydroxydeoxycorticosterone in the dog. Gotshall RW, et al. Am J Physiol 224:1116-8, May 73
Renal function in saline-loaded dogs with minimal sodium excretion. Levy M, et al. Can J Physiol Pharmacol 51:148-52, Feb 73
Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. Endocrinology 92:743-9, Mar 73
Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al. J Exp Med 137:1031-41, 1 Apr 73
Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR. Life Sci [I] 11:461-73, 15 May 72
The effects of drugs and denervation on removal and accumulation of noradrenaline in the perfused hind-limb of the dog. Osswald W, et al. Naunyn Schmiedebergs Arch Pharmacol 277:175-90, 1973
[Morphological investigations of reticulation of the tonsil epithelium] Falk P, et al. Acta Otolaryngol (Stockh) 75:85-103, Feb-Mar 73 (Eng. Abstr.) (Ger)
[Role of adrenal hormones in primary radiation damage to supramolecular DNA of rat tissues] Strazhevskaia NB, et al. Radiobiologiia 12:644-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

SECRETION

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al. Acta Physiol Lat Am 22:231-40, 1972
Variations in the in vitro production of corticosteroids by the herring gull (Larus argentatus) adrenal glands. Chan SW, et al. Gen Comp Endocrinol 20:283-90, Apr 73
Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al. Gen Comp Endocrinol 20:274-82, Apr 73
Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland. Chan SW, et al. Gen Comp Endocrinol 20:291-6, Apr 73

THERAPEUTIC USE

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. Fertil Steril 24:319-23, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. J Pediatr 82:444-9, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. J Urol 109:321-4, Mar 73

DEXAMETHASONE

Evidence for a new class of corticosterone receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1429-41, May 73

ADMINISTRATION & DOSAGE

Aerosolized dexamethasone isonicotinate in the treatment of bronchial asthma. A double blind study. Makino S, et al. Acta Allergol (Kbh) 27:364-71, Dec 72
Hydrophilic lens therapy of superficial sterile corneal ulcers. Gasset AR, et al. Ann Ophthalmol 5:139-42, Feb 73
Cerebral edema following carotid artery ligation in the gerbil. Harrison MJ, et al. Arch Neurol 28:389-91, Jun 73
Succinylcholine-induced hyperkalemia and cardiac arrest. Baker BB, et al. Arch Otolaryngol 96:464-5, Nov 72
Induction of labour in sheep and in humans by single doses of corticosteroids. Mati JK, et al. Br Med J 2:149-51, 21 Apr 73
Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al. Endocrinology 92:1305-11, May 73
Nippostrongylus brasiliensis: effect of dexamethasone upon anthelmintic efficacy. Hass DK. Exp Parasitol 33:10-6, Feb 73
The effect of topical corticosteroids on the susceptibility of immune animals to reinoculation with Herpes simplex. Easterbrook M, et al. Invest Ophthalmol 12:181-4, Mar 73
Intratympanic injection of steroid for treatment of facial paralysis. Bryant FL. Laryngoscope 83:700-6, May 73
Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al. Mod Vet Pract 54:29 passim, May 73
The effect of dexamethasone on the edema of focal cerebral ischemia. Donley RF, et al. Stroke 4:148-55, Mar-Apr 73
[Action of dexamethasone isonicotinate administered by aerosol in asthma and spasmodic chronic bronchitis fixed-dose] Douay B. Lille Med 17:Suppl 6:1302-6, Oct 72 (Fre)
[News in asthma therapy. Special consideration of the modern selective 2 -stimulators] Scherrer M, et al. Schweiz Med Wochenschr 102:1054-60, 29 Jul 72 (Eng. Abstr.) (Ger)
[Inhalable corticosteroid against local radiogenic reactions of the mucous membranes] Kleibel F. Strahlentherapie 145:423-6, Apr 73 (Eng. Abstr.) (Ger)
[A simple method for the determination of nasal and bronchial airway resistance] Schumann K. Z Laryngol Rhinol Otol 52:284-91, Apr 73 (Eng. Abstr.) (Ger)
[Cortisone and surgery of female sterility] Swolin K. Acta Obstet Ginecol Hisp Lusit 20:281-3, Nov 72 (Spa)

ADVERSE EFFECTS

Excessive morbidity resulting from the prevention of intestinal adhesions with steroids and antihistamines. Grosfeld JL, et al. J Pediatr Surg 8:221-6, Apr 73
Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al. Mod Vet Pract 54:29 passim, May 73
The effect of dexamethasone on the edema of focal cerebral ischemia. Donley RF, et al. Stroke 4:148-55, Mar-Apr 73
[Action of dexamethasone isonicotinate administered by aerosol in asthma and spasmodic chronic bronchitis fixed-dose] Douay B. Lille Med 17:Suppl 6:1302-6, Oct 72 (Fre)
[Congenital glaucoma and cortisone] Gnad HD, et al. Klin Monatsbl Augenheilkd 162:86-90, Jan 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Pityrosporum folliculitis. Report of seven cases and review of the Pityrosporum organism relative to cutaneous disease. Potter BS, et al. Arch Dermatol 107:388-91, Mar 73
Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. J Clin Endocrinol Metab 36:867-79, May 73
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. Bratisl Lek Listy 59:495-500, Apr 73 (Slo)

METABOLISM

The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1389-96, May 73
Glucocorticoid binding proteins in human leukaemic lymphoblasts. Lippman M, et al. Nature [New Biol] 242:157-8, 4 Apr 73

PHARMACODYNAMICS

Lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment. Nelson GH. Am J Obstet Gynecol 116:292, 15 May 73
Lymphocyte destruction during corneal homograft reaction. A scanning electron microscopic study. Polack FM. Arch Ophthalmol 89:413-6, May 73
Induction of labour in sheep and in humans by single

doses of corticosteroids. Mati JK, et al.
Br Med J 2:149-51, 21 Apr 73

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al.
Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73

Insulin and Sepharose-insulin effects on tyrosine transaminase levels in cultured rat liver cells. Davidson MB, et al. **Endocrinology 92:1442-6, May 73**

Inhibition of crop sac growth by dexamethasone in ring doves (Streptopelia risoria). Silver R, et al.
Endocrinology 92:1568-71, May 73

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. **Endokrinologie 61:97-100, 1973**

Nippostrongylus brasiliensis: effect of dexamethasone upon anthelmintic efficacy. Hass DK.
Exp Parasitol 33:10-6, Feb 73

Phenylalanine hydroxylase in cultured hepatoxytes. I. Hormonal control of enzyme levels. Haggerty DF, et al. **J Biol Chem 248:223-32, 10 Jan 73**

Inhibition of induction of rat liver tyrosine aminotransferase by D-galactosamine. Reynolds RD, et al. **J Biol Chem 248:1562-7, 10 Mar 73**

Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al.
J Clin Endocrinol Metab 36:937-43, May 73

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al.
J Endocrinol 56:471-81, Mar 73

Further studies on cholinergic mechanisms and hormone-activated copulatory behaviour in the female rat. Lindström LH.
J Endocrinol 56:275-83, Feb 73

The zona glomerulosa and corticotrophin: a genetic study in mice. Shire JG, et al.
J Endocrinol 55:185-93, Oct 72

Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al.
J Exp Med 137:1031-41, 1 Apr 73

Effect of dexamethasone on phenylethanolamine N-methyltransferase in chromaffin tissue of the neonatal rat. Ciaranello RD, et al.
J Neurochem 20:799-805, Mar 73

Intratympanic injection of steroid for treatment of facial paralysis. Bryant FL.
Laryngoscope 83:700-6, May 73

Herpes simplex infection of HEp-2 and L-929 cells: 5 measurements of lysosomal activity. Underwood PA.
Microbios 6:101-20, Sep-Oct 72

Arterial pressure elevation in response to inhibitors of protein synthesis. Behn C, et al.
Pfluegers Arch 339:85-95, 21 Mar 73

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. **Steroids Lipids Res 3:225-8, 1972**

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female sehorrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Histamine and the stomach secretion in the rat. Adenosine-3',5'-monophosphate as "second messenger"] Domschke W, et al.
Naturwissenschaften 59:521, Nov 72 (Ger)

THERAPEUTIC USE

Aerosolized dexamethasone isonicotinate in the treatment of bronchial asthma. A double blind study. Makino S, et al. **Acta Allergol (Kbh) 27:364-71, Dec 72**

Studies on growth hormone secretion in a patient with the diencephalic syndrome of emaciation. Häger A, et al. **Acta Paediatr Scand 62:231-40, May 73**

Acute smoke inhalation in children. Mayer BW, et al.
Am Fam Physician 7:80-4, Apr 73

Lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment. Nelson GH.
Am J Obstet Gynecol 116:292, 15 May 73

Cyclocryotherapy in advanced inadequately controlled glaucoma. Bellows AR, et al.
Am J Ophthalmol 75:679-84, Apr 73

Glaucomatocyclitic crisis and primary open-angle glaucoma. Kass MA, et al.
Am J Ophthalmol 75:668-73, Apr 73

Hydrophilic lens therapy of superficial sterile corneal ulcers. Gasset AR, et al.
Ann Ophthalmol 5:139-42, Feb 73

Cerebral edema following carotid artery ligation in the gerbil. Harrison MJ, et al.
Arch Neurol 28:389-91, Jun 73

Unusual chorioretinal degeneration in sickle cell disease. Possible sequelae of posterior ciliary vessel occlusion. Condon PI, et al.
Br J Ophthalmol 57:81-8, Feb 73

Dexamethasone therapy of triethyltin induced cerebral edema. Studer RK, et al. **Exp Neurol 38:429-37, Mar 73**

Otitis externa: control of bacterial and mycological infections--a preliminary report. Glasgold AI, et al.
Eye Ear Nose Throat Mon 52:94-6, Mar 73

Diagnosis and treatment of hemorrhagic and septic shock. Hayes MF Jr, et al. **Int Surg 58:299-303, May 73**

The effect of topical corticosteroids on the susceptibility of immune animals to reinoculation with Herpes simplex. Easterbrook M, et al.
Invest Ophthalmol 12:181-4, Mar 73

Cerebral edema and its medical management. Nair KG.
J Assoc Physicians India 20:935, Dec 72

Pituitary apoplexy--a cause of sudden blindness. Goodman JM, et al.
J Indiana State Med Assoc 66:320-1, May 73

Relation of prophylactic medication to the occurrence of early seizures following craniocerebral trauma. Rish BL, et al. **J Neurosurg 38:155-8, Feb 73**

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

Excessive morbidity resulting from the prevention of intestinal adhesions with steroids and antihistamines. Grosfeld JL, et al. **J Pediatr Surg 8:221-6, Apr 73**

The role of sulfhydryl groups in three models of inflammatory disease. Steinetz B, et al.
J Pharmacol Exp Ther 185:139-49, Apr 73

Hydrotubation used on difficult infertility patients.
J Reprod Med 10:144-6, Mar 73

Intratympanic injection of steroid for treatment of facial paralysis. Bryant FL.
Laryngoscope 83:700-6, May 73

Thiamine deficiency: probable Wernicke's encephalopathy successfully treated in a child with acute lymphocytic leukemia. Shah N, et al.
Pediatrics 51:750-1, Apr 73

The effect of dexamethasone on the edema of focal cerebral ischemia. Donley RF, et al.
Stroke 4:148-55, Mar-Apr 73

Efficacy of steroids in the treatment of septic and cardiogenic shock. Rosenbaum RW, et al.
Surg Gynecol Obstet 136:914-8, Jun 73

[Action of dexamethasone isonicotinate administered by aerosol in asthma and spasmodic chronic bronchitis fixed-dose] Douay B.
Lille Med 17:Suppl 6:1302-6, Oct 72 (Fre)

[A new method to measure nasal airway resistance] Schumann K.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 203:325-34, 28 Feb 73 (Eng. Abstr.) (Ger)

[Therapeutic effects of rhinologic agents on the nose. Findings using Dexa-Rhinospray and Rhinospray] Schumann K. **Med Monatsschr 26:283-5, Jun 72 (Ger)**

[News in asthma therapy. Special consideration of the modern selective 2 -stimulators] Scherrer M, et al.
Schweiz Med Wochenschr 102:1054-60, 29 Jul 72 (Eng. Abstr.) (Ger)

[Inhalable corticosteroid against local radiogenic reactions of the mucous membranes] Kleibel F.
Strahlentherapie 145:423-6, Apr 73 (Eng. Abstr.) (Ger)

[The effect of corticosteroid therapy on the blood serum level of lysozyme in Botkin's disease] Buhlil VP, et al. **Klin Med (Mosk) 51:58-60, Feb 73 (Rus)**

[Inhibitors of immunopoiesis in the complex therapy of childhood cerebral palsy] Kvitash VA, et al.
Zh Nevropatol Psikhiatr 72:1476-9, 1972 (Eng. Abstr.) (Rus)

[Cortisone and surgery of female sterility] Swolin K.
Acta Obstet Ginecol Hisp Lusit 20:281-3, Nov 72 (Spa)

ETIOCHOLANOLONE

BLOOD

[Recurring fever bouts] Mössner G, et al.
Dtsch Med Wochenschr 98:451-3, 2 Mar 73 (Ger)

METABOLISM

Decreased conversion of androgens to normal

17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al.
J Clin Endocrinol Metab 36:801-3, May 73
[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al.
Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)
[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al.
Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Chlorcyclizine N-demethylase activity in chick embryo hepatic cell culture. Poland A, et al.
Biochem Pharmacol 22:749-58, 15 Mar 73

SECRETION

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)

URINE

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72
Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents. Siob A, et al.
Clin Chim Acta 44:307-18, 30 Mar 73
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al.
Lancet 1:1076-9, 19 May 73
Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. Q J Stud Alcohol 34:57-63, Mar 73
19-Nortestosterone. I. Its metabolism in the rabbit. Both-Miedema R, et al.
Steroids Lipids Res 3:49-58, 1972
Urinary steroid excretion in hirsutism. I. Individual 17-ketosteroids (unconjugated and conjugated). Pal SB. Steroids Lipids Res 3:14-23, 1972
Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)

FLUDROCORTISONE

Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Sud SC. Indian J Exp Biol 10:265-7, Jul 72
Quantitation of long-range effects in steroids by molecular orbital calculations. Kollman PA, et al.
J Am Chem Soc 95:2869-73, 2 May 73
A comparison of the molecular structures of six corticosteroids. Weeks CM, et al.
J Am Chem Soc 95:2865-8, 2 May 73

PHARMACODYNAMICS

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR.
Life Sci [I] 11:461-73, 15 May 72

THERAPEUTIC USE

Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al.
Am J Dis Child 125:608-11, Apr 73
Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73
Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73
When postural hypotension signals disease. Irvine RE. Geriatrics 28:94-9, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73

FLUMETHASONE

ADMINISTRATION & DOSAGE

Effect of combination ointment of flumetason-pivalat 0,02 per cent and salicylic acid (Locasalen) on dermatoses. Lundell E.
Z Haut Geschlechtskr 48:25-7, 1 Jan 73

THERAPEUTIC USE

Treatment of the potentially dysplastic dog. Whitney GD. Mod Vet Pract 54:57, May 73

FLUOCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

A double-blind comparison of fluocinonide and betamethasone valerate ointments. McCuistion CH, et al. Curr Ther Res 15:44-7, Feb 73
Topical steroids--which one? Wachs GN.
Int J Dermatol 12:8-9, Jan-Feb 73
[Use of fatty Topsyne in dermatology] Henning B.
Lyon Med 228:483-4, Nov 72 (Fre)
[The treatment of chilblains with fluocinolone cream under occlusive dressing] Ganor S.
Harefuah 84:163, 1 Feb 73 (Eng. Abstr.) (Heb)

ADVERSE EFFECTS

Perianal atrophoderma from topical corticosteroids. Goldman L, et al. Arch Dermatol 107:611-2, Apr 73
Topical drug addiction: adverse effects of fluorinated corticosteroid creams and ointments. Burry JN.
Med J Aust 1:393-6, 24 Feb 73
[Atrophic skin striae following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)

THERAPEUTIC USE

Perianal atrophoderma from topical corticosteroids. Goldman L, et al. Arch Dermatol 107:611-2, Apr 73
Topical steroids--which one? Wachs GN.
Int J Dermatol 12:8-9, Jan-Feb 73
Topical drug addiction: adverse effects of fluorinated corticosteroid creams and ointments. Burry JN.
Med J Aust 1:393-6, 24 Feb 73
[Bufexamac cream and ointment for the treatment of various dermatoses] Achten G, et al.
Dermatologica 146:1-7, 1973 (Eng. Abstr.) (Fre)
[Use of fatty Topsyne in dermatology] Henning B.
Lyon Med 228:483-4, Nov 72 (Fre)
[Atrophic skin striae following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)
[Clinical effectiveness of fluocinonide in several skin diseases] Tomoka MT, et al.
Wien Med Wochenschr 123:247-8, 14 Apr 73 (Ger)
[The treatment of chilblains with fluocinolone cream under occlusive dressing] Ganor S.
Harefuah 84:163, 1 Feb 73 (Eng. Abstr.) (Heb)

GLUCOCORTICOIDS

Neuronal differentiation in human fetal adrenal medulla. Hervonen A, et al.
Int J Neurosci 5:43-6, Jan 73
Familial glucocorticoid insufficiency. Moshang T Jr, et al. J Pediatr 82:821-6, May 73
Structural formulae of drugs commonly used in the treatment of rheumatic disease.
JAMA 224:Suppl 5:804-5, 30 Apr 73

ADMINISTRATION & DOSAGE

Corticosteroid-sparing effect of -adrenergic blocking agents in pemphigus vulgaris. Singh I, et al.
Dermatologica 146:55-60, 1973
Drug combinations in malignant disease. Lippman ME, et al. Lancet 813:1198, 23 May 73

Corticosteroid aerosols in asthma. Pitesky I.
Lancet 1:1003-4, 5 May 73

Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al.
Mod Vet Pract 54:29 passim, May 73

[Medical treatment of rheumatoid artbritis] Menkès J.
Rev Chir Orthop 58:404-6, Jul-Aug 72 (Fre)

[Dosages in oral and parenteral steroid therapy] Kaiser H. Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

[Inbalation tberapy of the upper respiratory tract] Hartl W.
HNO 21:33-9, Feb 73 (66 ref.) (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Hyperglycemic nonketotic coma in a postpancreatectomy diabetic infant. Kim CB, et al.
Am J Dis Child 125:755-6, May 73

The effects of leukemia and lymphoma chemotherapy on hematopoietic cells. Brunning RD.
Am J Med Technol 39:165-74, May 73

Systemic fungal infection complications in asthmatic patients treated with steroids. Goodman DH.
Ann Allergy 31:205-8, Apr 73

Steroid arthropathy of the hip. Smyth CJ, et al.
Clin Orthop 90:50-6, Jan-Feb 73 (38 ref.)

Thrombophlebitis following knee surgery. Cohen SH, et al. J Bone Joint Surg [Am] 55:106-12, Jan 73

Corticosteroid aerosols in asthma. Pitesky I.
Lancet 1:1003-4, 5 May 73

Tberapy of bronchial asthma. Fink JN, et al.
Med Clin North Am 57:801-8, May 73

Steroid diabetes in renal transplant recipients: pathogenetic factors and prognosis. Ruiz JO, et al.
Surgery 73:759-65, May 73

[Corticoid long-term tberapy. Desired and undesired effects] Grabner W.
Fortschr Med 91:517-22, 26 Apr 73 (Ger)

[Gastric erosions and ulcerations in gastritis caused by drugs] Chell R, et al.
Z Gastroenterol 10:659, Dec 72 (Ger)

[Generalized miliary tuberculosis in adults with special reference to the role of corticosteroids in its development] Azanjac R, et al.
Vojnosanit Pregl 29:517-21, Nov 72 (Cro)

BIOSYNTHESIS

Effect of 6-substituted benzo(a)pyrene derivatives upon mouse liver. Dewhurst F, et al.
Biochem Pharmacol 22:561-6, 1 Mar 73

[Studies on the antiallergic and corticosecretory effects of 8-phenethyl-1-oxa-3,8-diaza-spiro(4,5)decan-2-one (fenspiride, JP 428)] Duhault J, et al.
Arzneim Forsch 22:1947-52, Nov 72 (Eng. Abstr.) (Fre)

[Diseases caused by adrenal dysbormonogenesis. The concept of minor enzymopatby. Tbe 3 beta-bydroxysteroid debydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)

[Effects of alpha-aminoglutethimide administration in a patient witb pituitary diabetes insipidus] Torres-Zamora M, et al.
Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

BLOOD

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al.
Am J Vet Res 34:353-6, Mar 73

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al.
Br Med J 2:147-9, 21 Apr 73

Episodic variation in plasma corticosteroids in subjects witb Cushing's syndrome of differing etiology. Sederberg-Olsen P, et al.
J Clin Endocrinol Metab 36:906-10, May 73

Serum luteinizing hormone, prolactin, glucocorticoid, and progestin in dairy cows from calving to gestation. Edgerton LA, et al. J Dairy Sci 56:451-8, Apr 73

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73

[Studies on the antiallergic and corticosecretory effects of 8-phenethyl-1-oxa-3,8-diaza-spiro(4,5)decan-2-one (fenspiride, JP 428)] Duhault J, et al.
Arzneim Forsch 22:1947-52, Nov 72 (Eng. Abstr.) (Fre)

[Steroid diagnosis of adrenal cortex disorders. 3. Stress-tests and circadian rhythm of steroids] Kreze A. Bratisl Lek Listy 59:357-68, 1973 (Slo)

METABOLISM

Hypertension witb adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73

Cushing's Syndrome, tberapy or remission? Mosier HD Jr. Pediatrics 51:959, May 73

[Arterial bypertension and mineralocorticoids] Molinatti GM, et al.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)

[Dosages in oral and parenteral steroid therapy] Kaiser H. Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)

PHARMACODYNAMICS

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al.
Am J Vet Res 34:353-6, Mar 73

Cytological and cytochemical studies of the reactive connective tissue after interaction with some corticosteroids. Dimova-Capkánova P.
Folia Med (Plovdiv) 14:235-9, 1972

Phenylalanine hydroxylase in cultured hepatoxytes. I. Hormonal control of enzyme levels. Haggerty DF, et al. J Biol Chem 248:223-32, 10 Jan 73

Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al.
J Exp Med 137:1031-41, 1 Apr 73

Effect of dexamethasone on phenylethanolamine N-methyltransferase in chromaffin tissue of the neonatal rat. Ciaranello RD, et al.
J Neurochem 20:799-805, Mar 73

The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catecbol-O-methyl transferase in different brain regions. Parvez H, et al.
J Neurochem 20:1011-20, Apr 73

Biocbemical aspects of drug and hormone action on adipose tissue. Fain JN.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)

The diagnosis of canine ortbotopic cardiac allograft rejection by transvenous endomyocardial biopsy. Billingham ME, et al. Transplant Proc 5:741-3, Mar 73

[Corticoid long-term therapy. Desired and undesired effects] Grabner W.
Fortschr Med 91:517-22, 26 Apr 73 (Ger)

PHYSIOLOGY

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973

[Molecular basis of the relation between the cytotoxic effect of antineoplastic compounds and the cell cycle phase] Belousova AK.
Vopr Onkol 18:88-96, 1972 (70 ref.) (Rus)

SECRETION

Hypogonadotropic bypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

[Diseases caused by adrenal dysbormonogenesis. The concept of minor enzymopathy. Tbe 3 beta-bydroxysteroid debydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)

STANDARDS

To tbe editors: corticosteroids and heparin. Strade HA.
J Reprod Med 10:11, Jan 73

THERAPEUTIC USE

Hyperglycemic nonketotic coma in a postpancreatectomy diabetic infant. Kim CB, et al. Am J Dis Child 125:755-6, May 73

The effects of leukemia and lymphoma chemotherapy on hematopoietic cells. Brunning RD. Am J Med Technol 39:165-74, May 73

Human amniotic fluid lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment. Spellacy WN, et al. Am J Obstet Gynecol 115:216-8, 15 Jan 73

Bronchiolitis obliterans. Roentgenologic-pathologic correlation. Gosink BB, et al. Am J Roentgenol Radium Ther Nucl Med 117:816-32, Apr 73

Systemic fungal infection complications in asthmatic patients treated with steroids. Goodman DH. Ann Allergy 31:205-8, Apr 73

Temporal arteritis, polymyalgia rheumatica. Bress NM. Ann Intern Med 78:620-2, Apr 73

Traumatic optic neuritis. Ticho U, et al. Ann Ophthalmol 5:430-2, Apr 73

Factor contributing to leakage of colonic anastomoses. Schrock TR, et al. Ann Surg 177:513-8, May 73

Abdominal wound dehiscence. Keill RH, et al. Arch Surg 106:573-7, Apr 73

Ketosis in pregnant sheep and lactating cows. A review. Kronfeld DS. Aust Vet J 48:680-7, Dec 72 (29 ref.)

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al. Br Med J 2:147-9, 21 Apr 73

Corticosteroid-sparing effect of -adrenergic blocking agents in pemphigus vulgaris. Singh I, et al. Dermatologica 146:55-60, 1973

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. Fertil Steril 24:319-23, Apr 73

Posterior interosseous nerve syndrome secondary to rheumatoid synovitis. Millender LH, et al. J Bone Joint Surg [Am] 55:375-7, Mar 73

Corticosteroids in experimental fat embolization. Kreis WR, et al. J Surg Res 14:238-46, Mar 73

Corticosteroids in croup. Bass JW. JAMA 221:1164, 4 Sep 72

Degenerative joint disease (osteoarthritis). JAMA 224:Suppl 5:740-4, 30 Apr 73

Osteitis deformans (Paget's disease of bone). JAMA 224:Suppl 5:782-3, 30 Apr 73

Psoriatic arthritis. JAMA 224:Suppl 5:732-3, 30 Apr 73

Drug combinations in malignant disease. Lippman ME, et al. Lancet 813:1198, 23 May 73

Corticosteroid aerosols in asthma. Pitesky I. Lancet 1:1003-4, 5 May 73

Systemic corticosteroid therapy. Turtle JR. Med J Aust 2:1251-6, 25 Nov 72

Glucocorticoid binding proteins in human leukaemic lymphoblasts. Lippman M, et al. Nature [New Biol] 242:157-8, 4 Apr 73

Acute infantile hemiplegia due to obstruction of intracranial arterial vessels. Scheffner D, et al. Neuropaediatrie 4:7-19, Jan 73

Corticosteroids as primary therapeutic agents in respiratory distress syndrome (RDS). Farrell PM, et al. Pediatrics 51:952-5, May 73

Corticoids and respiratory distress. Holm WW. Pediatrics 51:955-6, May 73

Drugs used in allergic states and their mode of action. Eisner JW. Semin Drug Treat 2:367-77, Spring 73 (8 ref.)

The treatment of multiple myeloma. Farhangi M, et al. Semin Hematol 10:149-61, Apr 73

Refractory laminitis. Coffman JR. Vet Clin N Amer 3:291-300, May 73 (13 ref.)

Principles of cardiopulmonary medicine. Garner HE. Vet Clin N Amer 3:239-50, May 73 (27 ref.)

The acute colitis syndrome. Colitis "X". Vaughan JT. Vet Clin N Amer 3:301-13, May 73 (25 ref.)

[Resuscitation in severe purulent meningitis. Report of the Respiratory Resuscitation Center] Cardinaud JP, et al. Bord Med 5:2215-22, Nov 72 (Eng. Abstr.) (Fre)

[Therapy of chronic hepatitis] Frosch B. Dtsch Med J 23:655-7, 10 Nov 72 (Ger)

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

[Corticoid long-term therapy. Desired and undesired effects] Grahner W. Fortschr Med 91:517-22, 26 Apr 73 (Ger)

[Inhalation therapy of the upper respiratory tract] Hartl W. HNO 21:33-9, Feb 73 (66 ref.) (Eng. Abstr.) (Ger)

[Therapeutic problems in disseminated encephalomyelitis (multiple sclerosis)] Payk TR. Ther Ggw 112:349-50, Mar 73 (25 ref.) (Ger)

[Etiopathogenetic, clinical and therapeutic aspects of involutive myelopathies] Corneo G, et al. Recent Prog Med (Roma) 54:44-76, Jan 73 (Eng. Abstr.) (Ita)

[Ankylosing spondylitis in children and adolescents] Wójcik T, et al. Pediatr Pol 48:377-80, Mar 73 (30 ref.) (Pol)

[Congenital adrenogenital syndrome] Tumilovich LG. Akush Ginekol (Mosk) 49:58-62, Jan 73 (Rus)

[Capillaritis with predominant vascular lesions of the kidneys and lungs (the Goodpasture syndrome)] Almazov VA, et al. Klin Med (Mosk) 50:140-5, Oct 72 (Rus)

[The effect of corticosteroid therapy on the blood serum level of lysozyme in Botkin's disease] Buhlii VP, et al. Klin Med (Mosk) 51:58-60, Feb 73 (Rus)

[Treatment of nonspecific inflammatory colonic diseases] García-Donas Bono A. Rev Esp Enferm Apar Dig 39:105-12, 1 Jan 73 (Spa)

[Obstruction of intracranial arteries in childhood] Isler W. Neuropaediatrie 4:3-6, Jan 73 (Mul)

TOXICITY

To the editors: corticosteroids and heparin. Strade HA. J Reprod Med 10:11, Jan 73

URINE

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73

[Glucocorticoid hormone and catecholamine excretion in patients with acute renal insufficiency] Ostapiuk FE, et al. Klin Med (Mosk) 51:124-8, Feb 73 (Eng. Abstr.) (Rus)

HYDROCORTISONE

Use of serum albumin microspheres as a reversible adsorbent for studying protein-small molecule interactions. Rolleri E, et al. Biochim Biophys Acta 295:429-37, 21 Feb 73

Species distribution of testosterone-binding globulin. Corvol P, et al. Biol Reprod 8:277-82, Apr 73

Renal transplantation in leprosy. Adu D, et al. Br Med J 2:280-1, 5 May 73

Quantitation of long-range effects in steroids by molecular orbital calculations. Kollman PA, et al. J Am Chem Soc 95:2869-73, 2 May 73

A comparison of the molecular structures of six corticosteroids. Weeks CM, et al. J Am Chem Soc 95:2865-8, 2 May 73

A study of the formulation of steroidal suspensions. Short MP, et al. J Pharm Pharmacol 24:Suppl:179P, Dec 72

Effects of oral administration of PGE2 on gastric secretion and experimental peptic ulcerations. Lee YH, et al. Prostaglandins 3:29-45, Jan 73

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. Steroids 21:565-82, Apr 73

[Treatment of acute cystitis in women] Volkov MI. Vrach Delo 12:90-1, Dec 72 (Rus)

ADMINISTRATION & DOSAGE

Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs. Renauld A, et al. Acta Physiol Lat Am 22:251-7, 1972

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al. Am J Vet Res 34:353-6, Mar 73

Redistribution of pyridoxal phosphate in the male rat liver as a result of repeated injections of hydrocortisone. Lefauconnier JM, et al. Biochim Biophys Acta 297:135-41, 24 Jan 73

Effect of a single large dose of hydrocortisone on the R.E.S. phagocytic activity. A preliminary report. Kinnaert P, et al. Bull Soc Int Chir 31:481-6, Sep-Oct 72

Secondary chemotherapy of advanced breast cancer. Goldenberg IS, et al. Cancer 31:660-3, Mar 73
Adjunctive use of a steroid rectal foam in the treatment of ulcerative colitis. Scheri ND, et al. Dis Colon Rectum 16:149-51, Mar-Apr 73
Lozenges, mouthwashes and gargles. Drug Ther Bull 10:33-5, 28 Apr 72
Corticoid-induced cleft palate as a model system for the distinction of maternal and foetal genomes interacting with exogenous teratogen. Dostál M, et al. Folia Biol (Praha) 19:153-6, 1973
Treatment of ganglia of the hand and wrist with aspiration and injection of hydrocortisone. Holm PC, et al. Hand 5:63-8, Feb 73
Initiation of parturition in the rabbit by maternal and foetal administration of cortisol: effect of rate and duration of administration: suppression of delivery by progesterone. Nathanielsz PW, et al. J Endocrinol 57:47-54, Apr 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. J Urol 109:533-7, Apr 73
Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes. Sugimoto M, et al. Jap J Med Sci Biol 25:345-53, Oct 72
Zinc deficiency with altered adrenocortical function and its relation to delayed healing. Flynn A, et al. Lancet 1:789-90, 14 Apr 73
Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al. Mod Vet Pract 54:29 passim, May 73
[Biochemical changes in guinea pigs treated with large doses of hydrocortisone. V. Effect on the behavior of some parameters in liver tissue] Stanosek J, et al. Endokrynol Pol 24:45-56, Jan-Feb 73 (Eng. Abstr.) (Pol)
[Development of acute pancreatitis following intrasynovial administration of hydrocortisone] Lukash NV. Klin Med (Mosk) 50:131-3, Aug 72 (Rus)
[Hydrocortisone phonophoresis for corneal opacity] Kleĭman BV. Oftalmol Zh 27:438-41, 1972 (Eng. Abstr.) (Rus)
[Hydrocortisone phonophoresis treatment of various diseases of the weight hearing-locomotor apparatus] Bolarintseva TIa, et al. Vrach Delo 11:119-20, Nov 72 (Rus)
[Cortisone and surgery of female sterility] Swolin K. Acta Obstet Ginecol Hisp Lusit 20:281-3, Nov 72 (Spa)

ADVERSE EFFECTS

Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al. Mod Vet Pract 54:29 passim, May 73
[Complications of corticosteroid therapy] Guzman AM, et al. Khirurgiia (Mosk) 49:112-6, Feb 72 (Eng. Abstr.) (Rus)
[Development of acute pancreatitis following intrasynovial administration of hydrocortisone] Lukash NV. Klin Med (Mosk) 50:131-3, Aug 72 (Rus)
[The hyperplastic thymus and lymphatic hyperplastic constitutional anomaly in young children] Ogii LI. Pediatr Akush Ginekol 6:27-9, 1972 (Ukr)

ANALYSIS

An economical method for determining tritium content in competitive protein binding assays for steroid hormones. Conneli GM, et al. Int J Appl Radiat Isot 24:239-40, Apr 73
Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. J Dairy Sci 56:569-74, May 73
Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al. Steroids 21:593-608, Apr 73

ANTAGONISTS & INHIBITORS

Initiation of parturition in the rabbit by maternal and foetal administration of cortisol: effect of rate and duration of administration: suppression of delivery by progesterone. Nathanielsz PW, et al. J Endocrinol 57:47-54, Apr 73

BIOSYNTHESIS

Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by the human fetus in early gestation. Murphy BE. J Clin Endocrinol Metab 36:1037-8, May 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73
Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73

BLOOD

Early variations of plasma cortisol after pulse intravenous injection of dibutyryl cyclic adenosine 3',5'-monophosphate in normal subjects. Angeli A, et al. Acta Endocrinol (Kbh) 72:753-61, Apr 73
Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al. Acta Paediatr Belg 26:225-40, 1972
Insulin-induced hypoglycaemia in Ugandan patients with Chronic pancreatic disease. Some preliminary observations. Kajubi SK. Afr J Med Sci 4:31-6, Jan 73
Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, chromosomal, dermatoglyphic, and craniofacial studies. Taussig LM, et al. Am J Dis Child 125:495-503, Apr 73
Metabolic effects of contraceptive steroids. Warren MP. Am J Med Sci 265:4-21, Jan 73 (62 ref.)
Insulin response to hemorrhagic shock in the intact and adrenalectomized primate. Hiebert JM, et al. Am J Surg 125:501-7, Apr 73
Electroencephalographic and blood chemistry responses to galanthamine hydrobromide in epileptic volunteers. Cozanitis D, et al. Anaesthesist 22:31-3, Jan 73
Epidermolytic hyperkeratosis. Effect of tretinoin therapy on the clinical course and the basic defects in the stratum corneum. Schorr WF, et al. Arch Dermatol 107:556-62, Apr 73
The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Trihe AE, et al. Aust NZ J Med 3:6-13, Feb 73
Endocrine responses to anaesthetic agents. Oyama T. Br J Anaesth 45:276-81, Mar 73 (82 ref.)
Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al. Br Med J 2:214-5, 28 Apr 73
Androgen responses during physical exercise. Sutton JR, et al. Br Med J 1:520-2, 3 Mar 73
Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72
Studies on responses to adrenocorticosteroid therapy in bronchial asthma. Schwartz HJ. Chest 63:Suppl:12S-14S, Apr 73
Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. Clin Chem 19:511-5, May 73
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. Endocrinology 92:769-74, Mar 73
Plasma and urine cortisol behavior and fat mobilization in man after coffee ingestion. Avogaro P, et al. Isr J Med Sci 9:114-9, Feb 73
Treatment of Cushing's syndrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73
Comparison of blood source and diurnal variation on blood hydrocortisone, growth hormone, lactate, glucose and electrolytes in swine. Topel DG, et al. J Anim Sci 36:531-4, Mar 73
Quantitative measurement and significance of 5 plasma corticosteroids during the perinatal period. Klein GP, et al. J Clin Endocrinol Metab 36:944-50, May 73
Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by the human fetus in early gestation. Murphy BE. J Clin Endocrinol Metab 36:1037-8, May 73
Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al. J Clin Endocrinol Metab 36:965-77, May 73
Diurnal variation in the responsiveness of human subjects to human growth hormone. Rudman D, et al. J Clin Invest 52:912-8, Apr 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest 52:783-8, Apr 73**

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. **J Dairy Sci 56:569-74, May 73**

The binding of oestrogens to ovine serum albumin. Challis JR. **J Endocrinol 56:319-20, Feb 73**

Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al. **J Endocrinol 56:413-9, Mar 73**

Sequential foetal-maternal plasma cortisol levels in sheep. Drost M, et al. **J Endocrinol 56:483-92, Mar 73**

Diurnal changes of plasma cortisol levels in sheep adapting to a new environment. McNatty KP, et al. **J Endocrinol 56:329-30, Feb 73**

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. **J Endocrinol 57:123-34, Apr 73**

The relationship of the splanchnic, hepatic and renal clearance rates to the metabolic clearance rate of cortisol in conscious sheep. Panaretto BA, et al. **J Endocrinol 56:285-94, Feb 73**

The rate constants for the interaction of cortisol and transcortin, and the rate of dissociation of transcortin-bound cortisol in the liver. Paterson JY. **J Endocrinol 56:551-70, Mar 73**

Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. **J Endocrinol 55:41-9, Oct 72**

Endocrine causes of hypertension. Batsakis JG. **J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)**

The effect of nicotinic acid on growth hormone-induced lipolysis and glucose intolerance. Davidson MB, et al. **J Lab Clin Med 81:568-76, Apr 73**

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al. **J Neurosurg 38:309-19, Mar 73**

Glycemic response to 24 hour fast in normal children and children with ketotic hypoglycemia. Chaussain JL. **J Pediatr 82:438-43, Mar 73**

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al. **J Pediatr 82:461-5, Mar 73**

Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. **J Pediatr 82:444-9, Mar 73**

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. **J Physiol (Lond) 229:697-707, Mar 73**

The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. **J Physiol (Lond) 229:681-95, Mar 73**

Metabolic effects of malnutrition in childhood. Wharton B. **J R Coll Physicians Lond 7:259-70, Apr 73 (43 ref.)**

Blood "cortisol" levels from spironolactone. Tashima CK. **JAMA 224:1188, 21 May 73**

Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al. **Lancet 1:628-31, 24 Mar 73**

Cortisol levels in toxaemic and normal pregnancy. Galvão-Teles A, et al. **Lancet 1:737-40, 7 Apr 73**

Progress in pre-eclampsia. **Lancet 1:754-5, 7 Apr 73**

Plasma cortisol during normal glucose tolerance. Rodman HM, et al. **Metabolism 22:745-8, May 73**

Adrenocortical response to ACTH in Addison's disease. Tyler FH. **N Engl J Med 288:854-5, 19 Apr 73**

The metabolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Beitins IZ, et al. **Pediatr Res 7:509-19, May 73**

Serum total corticoid and cortisol levels in premature infants with respiratory distress syndrome. Reynolds JW. **Pediatrics 51:884-90, May 73**

Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al. **Proc Soc Exp Biol Med 142:804-10, Mar 73**

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. **Prostaglandins 3:89-95, Jan 73**

Plasma cortisol-binding capacity in mental illness. King DJ. **Psychol Med 5:53-65, Feb 73**

Comparison of pressor and adrenergic responses derived from direct and indirect methods of cardiovascular testing. Beamer V, et al. **Psychosom Med 35:112-20, Mar-Apr 73**

Plasma cortisol levels and behavioral states in early infancy. Tennes K, et al. **Psychosom Med 35:121-8, Mar-Apr 73**

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al. **Steroids 21:553-64, Apr 73**

Cortisol and cortisone levels in umbilical cord plasma and maternal plasma of normal pregnancies. Dormer RA, et al. **Steroids 21:497-510, Apr 73**

Hypertriglyceridemia and hypoglycemia in gram-negative sepsis in the dog. Griffiths J, et al. **Surg Gynecol Obstet 136:897-903, Jun 73**

[The passage of cortisol across the hematomeningeal barrier in purulent meningitis and various coma cases without meningeal impairment] Cornil A, et al. **Lyon Med 228:615-6, 26 Nov 72 (Eng. Abstr.) (Fre)**

[Therapeutics and circadian rhythms. Chronotherapeutics] Reinberg A. **Rev Prat 22:4627-38, 21 Dec 72 (Fre)**

[Influence of hemodialysis on hormone levels in preterminal renal failure] Bindeballe W, et al. **Dtsch Med Wochenschr 98:661-5, 20 Mar 73 (Eng. Abstr.) (Ger)**

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. **Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)**

[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al. **Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)**

[Effect of L-dopa on pituitary hormones and on carbohydrate and fat metabolism in normal persons and in patients with Parkinsonism] Geser CA, et al. **Schweiz Med Wochenschr 103:690-7, 12 May 73 (Eng. Abstr.) (Ger)**

[The role of the pituitary gland in the pathogenesis of Cushing's syndrome] Haugen HN. **Tidsskr Nor Laegeforen 92:2205-8, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Evaluation of pituitary function by clinical bio-chemical assays] Norman N. **Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Eng. Abstr.) (Nor)**

[The hypothalamo--pituitary--adrenal axis] Solem JH. **Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)**

[17-oxycorticosteroids in the blood and hydrocortisone binding by plasma transcortin in late pregnancy toxemias] Smirnova LI. **Vopr Okhr Materin Det 17:85, Oct 72 (Rus)**

[Adrenal glucocorticoid function in patients with the alimentary-constitutional form of obesity] Oleĭnik VA. **Vrach Delo 11:102-4, Nov 72 (Eng. Abstr.) (Rus)**

[The effect of extirpation of the thymus on adrenal cortical function] Pokrovskaia SV. **Fiziol Zh 19:200-4, Mar-Apr 73 (Eng. Abstr.) (Ukr)**

CEREBROSPINAL FLUID

[The passage of cortisol across the hematomeningeal barrier in purulent meningitis and various coma cases without meningeal impairment] Cornil A, et al. **Lyon Med 228:615-6, 26 Nov 72 (Eng. Abstr.) (Fre)**

DIAGNOSTIC USE

Evaluation of tests for latent diabetes in the sand rat and rat. Frenkel G, et al. **Acta Endocrinol (Kbh) 72:727-36, Apr 73**

METABOLISM

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al. **Arch Intern Med 131:563-9, Apr 73**

Enhancement of biologic activity and secretion of corticosteroid by a triazine derivative in rats. Kambayashi Y, et al. **Arzneim Forsch 23:225-7, Feb 73**

Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al. **Biochim Biophys Acta 297:142-54, 24 Jan 73**

Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. **Endocrinology 92:769-74, Mar 73**

Plasma and urine cortisol behavior and fat mobilization in man after coffee ingestion. Avogaro P, et al. Isr J Med Sci 9:114-9, Feb 73

The relationship of the splanchnic, hepatic and renal clearance rates to the metabolic clearance rate of cortisol in conscious sheep. Panaretto BA, et al. J Endocrinol 56:285-94, Feb 73

The rate constants for the interaction of cortisol and transcortin, and the rate of dissociation of transcortin-bound cortisol in the liver. Paterson JY. J Endocrinol 56:551-70, Mar 73

The effect of sedation and awakening on energy substrates and hormonal relationships in the subhuman primate. Coran AG, et al. J Surg Res 14:24-30, Jan 73

Plasma cortisol-binding capacity in mental illness. King DJ. Psychol Med 5:53-65, Feb 73

The clinical laboratory in the investigation of patients with head injury. Parent AD, et al. South Med J 66:579-85, May 73

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al. Steroids 21:553-64, Apr 73

[Studies on the antiallergic and corticosecretory effects of 8-phenethyl-1-oxa-3,8-diaza-spiro(4,5)decan-2-one (fenspiride, JP 428)] Duhault J, et al. Arzneim Forsch 22:1947-52, Nov 72 (Eng. Abstr.) (Fre)

[Drug incompatibility] Jaminet F. Farmaco [Prat] 28:185-209, Apr 73 (Fre)

[Function of fetal adrenal cortex] Matsumoto Y, et al. Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

[Microbiological transformation of hydrocortisone into prednisolone in conditions of continuous cultivation] Sterkin VE, et al. Izv Akad Nauk SSSR [Biol] 2:233-41, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Cortisol metabolism in myocardial inarct and its complications] Plieva ShA. Vrach Delo 11:18-22, Nov 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73

Compartmental arrangement of steroids formed from (1- 14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. Acta Endocrinol (Kbh) 72:737-45, Apr 73

A comparison of the effects of irradiation and immunosuppressive agents on regeneration through peripheral nerve allografts: an ultrastructural study. Pollard JD, et al. Acta Neuropathol (Berl) 23:166-80, 30 Jan 73

Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs. Renauld A, et al. Acta Physiol Lat Am 22:251-7, 1972

Incorporation of 35 S-labelled cysteine in the subcommissural organ of the rat after adrenalectomy and after treatment with hydrocortisone. Attila U, et al. Acta Physiol Scand 87:422-4, Mar 73

Failure of either corticosteroids or ACTH to increase the leukocyte concentration in milk. Paape MJ, et al. Am J Vet Res 34:353-6, Mar 73

Does cyclic-3',5'-AMP induce glutamine synthetase in embryonic neural retina? Jones RE, et al. Biochem Biophys Res Commun 51:268-74, 17 Mar 73

Studies on hormonal induction of alkaline phosphatase in HeLa cell cultures. Kinetic, thermodynamic and electrophoretic properties of induced and base-level enzymes. Ghosh NK, et al. Biochim Biophys Acta 286:175-85, 24 Nov 72

Hydrocortisone regulation of thymidine kinase in thymus involution and hematopoietic tissues. Greengard O, et al. Biochim Biophys Acta 286:382-8, 29 Dec 72

Redistribution of pyridoxal phosphate in the male rat liver as a result of repeated injections of hydrocortisone. Lefauconnier JM, et al. Biochim Biophys Acta 297:135-41, 24 Jan 73

Inhibition by serotonin of glutamine synthetase formation in cultured mouse cells strain L. Stamatisdou MN. Biochim Biophys Acta 304:169-80, 30 Mar 73

Activation of guanyl cyclase and adenyl cyclase by secretin. Thompson WJ, et al. Biochim Biophys Acta 302:329-37, 12 Apr 73

Enzymatic histone modification during the induction of tyrosine aminotransferase with insulin and hydrocortisone. Villiers Graaff G de, et al. Biochim Biophys Acta 299:480-4, 28 Mar 73

Influence of cortisol-21-hemisuccinate on the specific histidine decarboxylase of the fetal rat liver. Kunze E, et al. Biol Neonate 21:463-70, 1972

Effect of a single large dose of hydrocortisone on the R.E.S. phagocytic activity. A preliminary report. Kinnaert P, et al. Bull Soc Int Chir 31:481-6, Sep-Oct 72

Tryptophan as a source of one-carbon units for purine biosynthesis de novo. Letter AA, et al. Can J Biochem 51:486-8, Apr 73

Influence of hormones on the growth of hepatomas and induction of adenylate and pyruvate kinases. Criss WE, et al. Cancer Res 33:1023-7, May 73

The effect of hydrocortisone on lymphocyte-mediated cytolysis. Stavy L, et al. Cell Immunol 7:302-12, May 73

Synchrony between DNA synthesis and thymidine incorporation into DNA in regenerating rat liver. Kizer DE, et al. Chem Biol Interact 6:177-87, Mar 73

Studies on responses to adrenocorticosteroid therapy in bronchial asthma. Schwartz HJ. Chest 63:Suppl:12S-14S, Apr 73

The comparative effects of nutritional and hormonal factors on the synthesis of albumin, fibrinogen and transferrin. Jeejeebhoy KN, et al. Ciba Found Symp 9:217-47, 1972

Regulatory factors in the synthesis of plasma proteins by the isolated perfused rat liver. Tavill AS, et al. Ciba Found Symp 9:155-79, 1972 (35 ref.)

Development of chick embryo conjunctival papillae and scleral ossicles after hydrocortisone treatment. Johnson LG. Dev Biol 30:223-7, Jan 73

Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al. Endocrinology 92:775-87, Mar 73

Hormonal modification of mouse liver lysosomal protein metabolism by cortisone acetate. Chertow BS, et al. Endocrinology 92:722-7, Mar 73

A double-isotope method for comparing polyribosome populations: effects of glucocorticoid hormone administration. Loeb JN. Endocrinology 92:857-61, Mar 73

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al. Fertil Steril 24:284-91, Apr 73

Corticoid-induced cleft palate as a model system for the distinction of maternal and foetal genomes interacting with exogenous teratogen. Dostál M, et al. Folia Biol (Praha) 19:153-6, 1973

In vitro hormonal requirement for lobulo-alveolar development in the mammary gland of high tumour albino mouse ICRC. Ranadive KJ, et al. Indian J Exp Biol 10:327-32, Sep 72

Effect of hydrocortisone on immunoglobulin synthesis and secretion by human peripheral lymphocytes in vitro. Smith RS, et al. Int Arch Allergy Appl Immunol 43:859-70, 1972

Inhibition of lung cell division after hydrocortisone injection into fetal rabbits. Carson SH, et al. J Appl Physiol 34:660-3, May 73

Phenylalanine hydroxylase in cultured hepatoxytes. I. Hormonal control of enzyme levels. Haggerty DF, et al. J Biol Chem 248:223-32, 10 Jan 73

Time course of early events in the action of glucocorticoids on rat thymus cells in vitro. Synthesis and turnover of a hypothetical cortisol-induced protein inhibition of glucose metabolism and of a presumed ribonucleic acid. Hallahan C, et al. J Biol Chem 248:2922-7, 25 Apr 73

Automatic monitoring of suspension cultures. Roffe LM, et al. J Cell Physiol 81:285-90, Apr 73

Effects of corticosteroids and splenectomy on the immune clearance and destruction of erythrocytes. Atkinson JP, et al. J Clin Invest 52:1509-17, Jun 73

Erythrocyte catabolism by macrophages in vitro. The effect of hydrocortisone on erythrophagocytosis and on the induction of heme oxygenase. Gemsa C, et al. J Clin Invest 52:812-22, Apr 73

Alterations in cyclic AMP metabolism in human

hronchial asthma. 3. Leukocyte and lymphocyte responses to steroids. Parker CW, et al.
J Clin Invest 52:1342-8, Jun 73
Hormonal control of precursor pools, ribonucleic acid synthesis, and cellular morphology in mammary tissue pieces during lactogenesis. Mohrenweiser HW, et al.
J Dairy Sci 56:436-45, Apr 73
Tissue culture method for bovine mammary tissue: lactose synthesis. Richmond PA, et al.
J Dairy Sci 56:611-4, May 73
Saluretic action of aldosterone in the presence of excess cortisol: restoration of salt-retaining action by prolactin. Horrobin DF, et al.
J Endocrinol 56:343-4, Feb 73
Initiation of parturition in the rabbit by maternal and foetal administration of cortisol: effect of rate and duration of administration: suppression of delivery by progesterone. Nathanielsz PW, et al.
J Endocrinol 57:47-54, Apr 73
Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al.
J Exp Med 137:1031-41, 1 Apr 73
Glutamine synthetase in the avian diencephalon. Piddington R. J Exp Zool 184:167-76, May 73
The relative constancy of the glycogen content of guinea pig brain. Phillips ME, et al.
J Neurochem 20:1295-7, Apr 73
The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat. Daniels VG, et al. J Physiol (Lond) 229:681-95, Mar 73
Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes. Sugimoto M, et al.
Jap J Med Sci Biol 25:345-53, Oct 72
Post-transcriptional inhibition of protein synthesis by rifampicin in rat hepatoma cells. Grossman A, et al.
Life Sci [II] 12:289-95, 8 Apr 73
Perfusate composition and stability of polyribosomes in perfused liver. VanDenBorre M, et al.
Life Sci [II] 11:347-54, 8 Apr 72
Stimulation of division of density inhibited fibroblasts by glucocorticoids. Thrash CR, et al.
Nature 242:399-401, 6 Apr 73
Enzyme release from guinea-pig polymorphonuclear leucocyte lysosomes inhibited in vitro by anti-inflammatory drugs. Ignarro LJ, et al.
Nature [New Biol] 239:155-7, 4 Oct 72
Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Kraicer J, et al.
Neuroendocrinology 11:156-76, 1973
The metabolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Beitins IZ, et al.
Pediatr Res 7:509-19, May 73
Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973
Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72
Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972
Erythrocyte catabolism by macrophages in vitro: dissociation of phagocytosis and heme oxygenase induction. Gemsa D, et al.
Trans Assoc Am Physicians 85:335-43, 1972
[Arterial hypertension and mineralocorticoids] Molinatti GM, et al.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)
[Immunomorphology of experimental candidiasis] Chmelnizky OK, et al.
Allerg Immunol (Leipz) 18:105-8, 1972 (Eng. Abstr.) (Ger)
[Experimental study of hemodynamics in extracorporeal circulation] Taira A, et al.
J Jap Assoc Thorac Surg 20:47-53, Jan 72 (Eng. Abstr.) (Jap)
[Biochemical changes in guinea pigs treated with large doses of hydrocortisone. V. Effect on the behavior of some parameters in liver tissue] Stanosek J, et al.
Endokrynol Pol 24:45-56, Jan-Feb 73 (Eng. Abstr.) (Pol)
[Effect of corticosteroids on the activity of NA-K-adenosinetriphosphatase, dehydrogenases and carbonic anhydrase in the cells of rat kidney tubules] Krestinskaia TV, et al.
Probl Endokrinol (Mosk) 19:94-8, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Effect of hydrocortisone on synthesis of DNA and histone proteins of chromatin in rat regenerating liver] Orlova LV.
Probl Endokrinol (Mosk) 19:92-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[The use of laboratory mice for the bacteriological diagnosis of tuberculosis] Mats AN, et al.
Probl Tuberk 50:70-3, 1972 (Eng. Abstr.) (Rus)
[The effect of hydrocortisone on oxidative deamination of biogenic amines in some parts of the brain and liver of rabbits] Balykina EM.
Fiziol Zh 18:825-8, Nov-Dec 72 (Ukr)
[The effect of prolonged hydrocortisone administration on the level of ribose and purine ribonucleotides in the organs and tissues of white rats] Sutkovoi DA.
Fiziol Zh 19:240-4, Mar-Apr 73 (Ukr)
[Amino acid acceptance by rabbit liver and skeletal muscle transfer RNA under the effect of prolonged administration of hydrocortisone in combination with RNA] Germaniuk IaL, et al.
Ukr Biokhim Zh 44:221-4, 1972 (Eng. Abstr.) (Ukr)
[The effect of hydrocortisone on the sulfhydryl and disulfhydryl group content in the proteins of subcellular brain structures] Mestechkina AIa, et al.
Ukr Biokhim Zh 45:47-51, 1973 (Eng. Abstr.) (Ukr)

SECRETION

The structure and function of adrenal autotransplants. Wright RD, et al.
Aust J Exp Biol Med Sci 50:873-92, Dec 72
Cortisol levels in toxaemic and normal pregnancy. Galvão-Teles A, et al. Lancet 1:737-40, 7 Apr 73
Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
Treatment of acute epiglottitis in children by long-term intubation. Heidtander P, et al.
Acta Otolaryngol (Stockh) 75:379-81, Apr 73
Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization. Dahms WT, et al.
Am J Dis Child 125:608-11, Apr 73
Adverse reaction to Althesin. Horton JN.
Anaesthesia 28:182-3, Mar 73
Early warning of rejection? Wellwood JM, et al.
Br Med J 2:261-5, 5 May 73
Effect of a single large dose of hydrocortisone on the R.E.S. phagocytic activity. A preliminary report. Kinnaert P, et al. Bull Soc Int Chir 31:481-6, Sep-Oct 72
Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy. Schwartz WL. Calif Med 118:57-60, Feb 73
Secondary chemotherapy of advanced breast cancer. Goldenberg IS, et al. Cancer 31:660-3, Mar 73
Studies on responses to adrenocorticosteroid therapy in bronchial asthma. Schwartz HJ.
Chest 63:Suppl:12S-14S, Apr 73
Adjunctive use of a steroid rectal foam in the treatment of ulcerative colitis. Scheri ND, et al.
Dis Colon Rectum 16:149-51, Mar-Apr 73
Treatment of ganglia of the hand and wrist with aspiration and injection of hydrocortisone. Holm PC, et al. Hand 5:63-8, Feb 73
Effect of hydrocortisone & hydrocortisone-antivenene combination on plasma fibrinogen level in Russell's viper envenomation. Seth SD, et al.
Indian J Exp Biol 10:357-9, Sep 72
Anti-inflammatory studies on a crystalline steroid isolated from Commiphora mukul. Arora RB, et al.
Indian J Med Res 60:929-31, Jun 72
Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al.
J Clin Endocrinol Metab 36:920-4, May 73
Effects of corticosteroids and splenectomy on the

immune clearance and destruction of erythrocytes. Atkinson JP, et al. **J Clin Invest** 52:1509-17, Jun 73
Diurnal variation in the responsiveness of human subjects to human growth hormone. Rudman D, et al. **J Clin Invest** 52:912-8, Apr 73
Disseminated aspergillosis during treatment of hepatic failure. Enberg R, et al. **J Pediatr** 82:737, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al. **J Pediatr** 82:444-9, Mar 73
Hydrotubation used on difficult infertility patients. **J Reprod Med** 10:144-6, Mar 73
Surgical treatment of adrenocortical hyperplasia: 20-year experience. Bennett AH, et al. **J Urol** 109:321-4, Mar 73
Adrenal rest tumors of the testes. Burke EF, et al. **J Urol** 109:649-52, Apr 73
Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. **J Urol** 109:533-7, Apr 73
Salt wastage, raised plasma-renin activity, and normal or high plasma-aldosterone: a form of pseudohypoaldosteronism. Rösler A, et al. **Lancet** 1:959-62, 5 May 73
Nephrosis, cyclophosphamide therapy, and severe systemic varicella recovery with massive doses of intravenous human immune serum globulin. Kobayashi A, et al. **Monatsschr Kinderheilkd** 121:54-6, Feh 73
Management of autoimmune thromhocytopenia in pregnancy and in the neonate. Territo M, et al. **Obstet Gynecol** 41:579-84, Apr 73
Corticosteroids as primary therapeutic agents in respiratory distress syndrome (RDS). Farrell PM, et al. **Pediatrics** 51:952-5, May 73
Urinary tract involvement in epidermolysis hullosa. Kretkowsk RC. **Pediatrics** 51:938-41, May 73
Neonatal E. coli meningitis, hydrocephalus, respiratory distress syndrome, full recovery after temporary blindness. Lorber J. **Proc R Soc Med** 66:221-2, Mar 73
Treatment of chronic obstructive pulmonary disease. Mazzullo JM, et al. **Ration Drug Ther** 7:1-6, Feh 73
Early debridement in pit viper hite. Glass TG Jr. **Surg Gynecol Obstet** 136:774-6, May 73
[Fatal forms of purulent meningitis in adults] Bernard C, et al. **Lyon Med** 228:565-75, 26 Nov 72 (Eng. Abstr.) (Fre)
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Alheaux-Fernet M, et al. **Sem Hop Paris** 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Albeaux-Fernet M, et al. **Sem Hop Paris** 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)
[Collagen metaholism in comhined therapy of rheumatoid arthritis] Weimann G, et al. **Med Klin** 68:344-50, 16 Mar 73 (Eng. Abstr.) (Ger)
[Chronic secretory otitis media in childhood. 2] Hussl B. **Monatsschr Ohrenheilkd Laryngorhinol** 107:141-64, Apr 73 (Eng. Abstr.) (Ger)
[Various aspects of Lennox's syndrome (report on 100 cases)] Cappella L, et al. **Riv Neurol** 42:530-6, Nov-Dec 72 (Ita)
[Etiopathogenetic and clinical aspects of accidental tracheolaryngeal injuries in children] Păunescu C, et al. **Otorinolaringologie** 18:43-6, Jan-Feh 73 (Eng. Abstr.) (Rum)
[The effect of corticosteroid therapy on the blood serum level of lysozyme in Botkin's disease] Buhlii VP, et al. **Klin Med (Mosk)** 51:58-60, Feh 73 (Rus)
[Development of acute pancreatitis following intrasynovial administration of hydrocortisone] Lukash NV. **Klin Med (Mosk)** 50:131-3, Aug 72 (Rus)
[Hydrocortisone phonophoresis for corneal opacity] Kleĭman BV. **Oftalmol Zh** 27:438-41, 1972 (Eng. Abstr.) (Rus)
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. **Probl Endokrinol (Mosk)** 19:106-12, Jan-Feh 73 (101 ref.) (Rus)
[Hydrocortisone phonophoresis treatment of various diseases of the weight hearing-locomotor apparatus] Bolarintseva TIa, et al. **Vrach Delo** 11:119-20, Nov 72 (Rus)
[Cortisone and surgery of female sterility] Swolin K. **Acta Obstet Ginecol Hisp Lusit** 20:281-3, Nov 72 (Spa)
[The role of hronchoscopy in treating staphylococcal destruction of the lungs in children] Danilenko MV, et al. **Pediatr Akush Ginekol** 6:17, 1972 (Ukr)
[Normal pregnancy and delivery in female pseudohermaphroditism] Drohnjak P, et al. **Lijec Vjesn** 94:236-41, May 72 (Eng. Abstr.) (Cro)

TOXICITY

Hydrocortisone-induced cleft palate in hamsters. Shah RM, et al. **Teratology** 7:191-4, Apr 72

URINE

Improved measurement of corticosteroids in plasma and urine by competitive protein-hinding radioassay. Ficher M, et al. **Clin Chem** 19:511-5, May 73
Plasma and urine cortisol behavior and fat mohilization in man after coffee ingestion. Avogaro P, et al. **Isr J Med Sci** 9:114-9, Feb 73
Cortisol levels in toxaemic and normal pregnancy. Galvão-Teles A, et al. **Lancet** 1:737-40, 7 Apr 73
The solvolysahle corticosteroids in human pregnancy urine as determined by competitive protein-binding radioassay. Ghosh PC, et al. **Steroids Lipids Res** 3:75-81, 1972
[Corticosteroid metabolism disorder in obstetrical sepsis] Simakova MG. **Akush Ginekol (Mosk)** 49:70-2, Feh 73 (Rus)
[Glucocorticoid hormone and catecholamine excretion in patienta with acute renal insufficiency] Ostapiuk FE, et al. **Klin Med (Mosk)** 51:124-8, Feh 73 (Eng. Abstr.) (Rus)

HYDROCORTISONE, TOPICAL

ADVERSE EFFECTS

[Surgical complications in the local use of hydrocortisone] Galeev MA, et al. **Khirurgiia (Mosk)** 49:85-7, Feh 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Experimental study of hydrocortisone ultraphonophoresis on the skin in Rana ridihunda] Gatev St. **Eksp Med Morfol** 11:231-6, 1972 (Eng. Abstr.) (Bul)

THERAPEUTIC USE

Topical steroids--which one? Wachs GN. **Int J Dermatol** 12:8-9, Jan-Feh 73
Clinical trial of a topical foam for episiotomies. Nenno DJ, et al. **Med Times** 101:123-5, Apr 73
Management of recurrent oral ulceration. Dolhy AE. **Practitioner** 210:403-8, Mar 73
[Hydrocortisone treatment of diseases and lesions of the skeletal locomotor apparatus] Makhov EP, et al. **Khirurgiia (Mosk)** 49:83-5, Feh 72 (Eng. Abstr.) (Rus)
[Free skin transplantation with the local use of glucocorticoids] Vasil'ev VB, et al. **Khirurgiia (Mosk)** 49:13-7, Feh 72 (Eng. Abstr.) (Rus)

17-HYDROXYCORTICOSTEROIDS

ANALYSIS

An economical method for determining tritium content in competitive protein hinding assays for steroid hormones. Connell GM, et al. **Int J Appl Radiat Isot** 24:239-40, Apr 73
Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. **J Endocrinol** 57:143-58, Apr 73

BIOSYNTHESIS

Secretion of 17-deoxycorticosteroids hy herring gull (Larus argentatus) adrenals. Chan SW, et al. **Gen Comp Endocrinol** 20:274-82, Apr 73

BLOOD

Aerosolized dexamethasone isonicotinate in the treatment of bronchial asthma. A double hlind study. Makino S, et al. **Acta Allergol (Kbh)** 27:364-71, Dec 72
Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous

plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73
Air travel and circadian rhythm. Mills JN.
J R Coll Physicians Lond 7:122-31, Jan 73
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al.
Lancet 1:1076-9, 19 May 73
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. Klin Med (Mosk) 50:16-21, Aug 72 (Rus)
[17-oxycorticosteroids in the blood and hydrocortisone binding by plasma transcortin in late pregnancy toxemias] Smirnova LI.
Vopr Okhr Materin Det 17:85, Oct 72 (Rus)
[The functional state of the adrenal cortex in lymphogranulomatosis patients] Chikvashvili AM.
Vopr Onkol 18:30-5, 1972 (Eng. Abstr.) (Rus)

METABOLISM

Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
The metabolism of testosterone by human male scalp skin. Bingham KD, et al. J Endocrinol 57:111-21, Apr 73
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972
[Hormonal disorders and arthropathies of the temporomandibular joints] Loewit K, et al.
Osterr Z Stomatol 70:122-5, Apr 73 (Ger)
[Steroid diagnosis of adrenal cortex disorders. I. Basal levels of steroids] Kreze A.
Bratisl Lek Listy 59:102-14, 1973 (Slo)
[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. Bratisl Lek Listy 59:495-500, Apr 73 (Slo)
[Changes of the adrenal cortex in the experimental pancreatic injury] Moravec R, et al.
Bratisl Lek Listy 59:45-56, 1973 (Eng. Abstr.) (Slo)

PHARMACODYNAMICS

Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. J Endocrinol 56:315-6, Feb 73

SECRETION

Immunological studies in burn patients. I. Lymphocyte transformation in vitro. Leguit P Jr, et al.
Int Arch Allergy Appl Immunol 44:101-21, 1973
Adrenal cortical secretion in response to nicotine in conscious and anaesthetized dogs. Suzuki T, et al.
Q J Exp Physiol 58:139-42, Apr 73

URINE

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al.
Arch Dermatol 107:407-12, Mar 73
Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al.
Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72
Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al.
Clin Pharmacol Ther 14:455-61, May-Jun 73
McCune-Albright syndrome with sexual precocity in a boy. Nitzan M, et al. Helv Paediatr Acta 28:61-5, Mar 73
Treatment of Cushing's syndrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73
Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al.
J Clin Endocrinol Metab 36:965-77, May 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73
Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al.
J Neurosurg 38:309-19, Mar 73
A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al.
J Pediatr 82:461-5, Mar 73
Familial glucocorticoid insufficiency. Moshang T Jr, et al. J Pediatr 82:821-6, May 73
Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al.
Lancet 1:1076-9, 19 May 73
Adrenocortical response to ACTH in Addison's disease. Tyler FH. N Engl J Med 288:854-5, 19 Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female sehorrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)
[17-Hydroxycorticoid excretion in breast carcinoma] Heise E, et al.
Arch Geschwulstforsch 41:43-51, 1973 (Eng. Abstr.) (Ger)
[Circadian periodicity of the excretion of electrolytes, catecholamine metabolites and 17-hydroxycorticosteroids in urine] Wisser H, et al.
Klin Wochenschr 51:242-6, 1 Mar 73 (Ger)
[Urinary excretion of 17-hyroxycorticosteroids in chronic circulatory insufficiency] Tyminska K, et al.
Minerva Med 64:408-11, 24 Feb 73 (Eng. Abstr.) (Ita)
[Analysis of developmental dynamics in girls in early puhertal age] Blaim A, et al.
Ginekol Pol 44:283-9, Mar 73 (Eng. Abstr.) (Pol)
[Adrenal cortical function in women with obesity of dietary origin] Manuilova IA, et al.
Akush Ginekol (Mosk) 49:23-8, Jan 73 (Eng. Abstr.) (Rus)
[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. Klin Med (Mosk) 50:16-21, Aug 72 (Rus)
[Change in the diurnal rhythm of hormone and electrolyte excretion in diahetes mellitus] Efimov AS, et al.
Probl Endokrinol (Mosk) 19:6-10, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Characteristics of the effect of an excess of thyroid hormones in dogs] Jackson IM, et al.
Probl Endokrinol (Mosk) 19:73-6, Jan-Feh 73 (Eng. Abstr.) (Rus)
[Effect of glucocorticoids on potassium and sodium metabolism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[The functional state of the adrenal cortex in lymphogranulomatosis patients] Chikvashvili AM.
Vopr Onkol 18:30-5, 1972 (Eng. Abstr.) (Rus)
[The functional state of the adrenal cortex in congenital heart defects of the pale type] Ivashkevich EI, et al.
Vrach Delo 11:7-11, Nov 72 (Eng. Abstr.) (Rus)
[Adrenal glucocorticoid function in patients with the alimentary-constitutional form of obesity] Oleĭnik VA. Vrach Delo 11:102-4, Nov 72 (Eng. Abstr.) (Rus)
[Urinary excretion of various steroid hormones during the physiological course of pregnancy and in threatened spontaneous premature interruption] Timoshenko LV, et al.
Pediatr Akush Ginekol 5:38-40, Oct 72 (Ukr)

HYDROXYCORTICOSTEROIDS

ANALYSIS

New method for determination of 21-hydroxy corticosteroids. Görög S, et al.
Anal Chem 44:1079-81, May 72

BIOSYNTHESIS

The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al.
Gen Comp Endocrinol 20:331-41, Apr 73
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

BLOOD

Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73

METABOLISM

The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1389-96, May 73

SECRETION

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al. Acta Physiol Lat Am 22:231-40, 1972

17-KETOSTEROIDS

ANALYSIS

[Virilizing mucoid cyst during pregnancy] Bronstein R, et al. J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)

[The effect of thymosin on the functional state of the adrenal cortex in guinea pigs] Malyzhev VA, et al. Fiziol Zh 18:828-31, Nov-Dec 72 (Ukr)

BIOSYNTHESIS

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73

[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73

BLOOD

Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72

The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. J Endocrinol 56:323-4, Feb 73

Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al. Lancet 1:1076-9, 19 May 73

Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

[Metabolism of dehydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al. Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)

[The functional state of the adrenal cortex in lymphogranulomatosis patients] Chikvashvili AM. Vopr Onkol 18:30-5, 1972 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972

METABOLISM

Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72

Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73

Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73

Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973

Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972

Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

[Hormonal disorders and arthropathies of the temporomandibular joints] Loewit K, et al. Osterr Z Stomatol 70:122-5, Apr 73 (Ger)

[The hypophysis in anorexia nervosa] Bassoe HH. Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)

[Steroid diagnosis of adrenal cortex disorders. I. Basal levels of steroids] Kreze A. Bratisl Lek Listy 59:102-14, 1973 (Slo)

[Steroid diagnosis of adrenal cortex disorders. IV. Factors influencing the quality of examination] Kreze A. Bratisl Lek Listy 59:495-500, Apr 73 (Slo)

PHARMACODYNAMICS

Growth inhibition of Tetrahymena pyriformis by a hypocholesteremic compound and the mechanism of its reversal by various lipids. Holmlund CE. Biochim Biophys Acta 296:221-33, 19 Jan 73

Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73

The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. J Invest Dermatol 60:183-7, Apr 73

SECRETION

The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. J Endocrinol 56:323-4, Feb 73

[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al. Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)

URINE

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al. Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73

Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al. Am J Clin Pathol 59:480-9, Apr 73

Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72

Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72

Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al. Clin Pharmacol Ther 14:455-61, May-Jun 73

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73

Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al. Endocrinology 92:1397-404, May 73

Nyctohemeral growth hormone levels in children with growth retardation and inflammatory bowel disease. Gotlin RW, et al. Gut 14:191-5, Mar 73

McCune-Albright syndrome with sexual precocity in a boy. Nitzan M, et al. Helv Paediatr Acta 28:61-5, Mar 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. J Clin Endocrinol Metab 36:867-79, May 73

Urinary pregn-5-ene-3 ,16 ,20 -triol in adrenal dysfunction. Fanti V, et al. J Endocrinol 57:135-42, Apr 73

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al. J Neurosurg 38:309-19, Mar 73

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al. J Pediatr 82:461-5, Mar 73

Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. Haymond MW, et al. J Pediatr 82:682-6, Apr 73

Pituitary-hypothalamic dysfunction in generalized

lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73
Congenital adrenal hypoplasia: an isolated defect of organogenesis. Sperling MA, et al.
J Pediatr 82:444-9, Mar 73
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al.
Lancet 1:1076-9, 19 May 73
Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. Q J Stud Alcohol 34:57-63, Mar 73
19-Nortestosterone. I. Its metabolism in the rabbit. Botb-Miedema R, et al.
Steroids Lipids Res 3:49-58, 1972
Urinary steroid excretion in hirsutism. I. Individual 17-ketosteroids (unconjugated and conjugated). Pal SB. Steroids Lipids Res 3:14-23, 1972
Urinary steroid patterns after short and long term treatment witb buman cborionic gonadotropin (HCG) of prepubertal boys witb undescended testes. Telier WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of tbe ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in bypertension] Rosset G.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)
[Metabolism of debydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al.
Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)
[Studies using synthetic progestogens in drug therapy of so-called prostatic bypertropby] Scultéty S, et al.
Z Urol Nephrol 66:49-59, Jan 73 (Ger)
[Sexual cbanges in tbe adult male connected with byperproduction of debydroepiandrosterone at tbe adrenal gland level] Borghi A.
Minerva Med 64:605-7, 10 Mar 73 (Ita)
[Analysis of developmental dynamics in girls in early pubertal age] Blaim A, et al.
Ginekol Pol 44:283-9, Mar 73 (Eng. Abstr.) (Pol)
[Adrenal cortical function in women with obesity of dietary origin] Manuilova IA, et al.
Akush Ginekol (Mosk) 49:23-8, Jan 73 (Eng. Abstr.) (Rus)
[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)
[Estrogen and androgen excretion in men witb coronary atberosclerosis] Tiul'pin IN, et al.
Klin Med (Mosk) 50:105-10, Aug 72 (Eng. Abstr.) (Rus)
[Effect of glucocorticoids on potassium and sodium metabolism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Determination of the androgen saturation of the organism using bormonal skin tests] Korik GG.
Urol Nefrol (Mosk) 38:49-52, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Tbe functional state of tbe adrenal cortex in lymphogranulomatosis patients] Chikvasbvili AM.
Vopr Onkol 18:30-5, 1972 (Eng. Abstr.) (Rus)
[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)
[Pathogenesis and treatment of ligbtning and nutatory seizures] Voronkov BV.
Zh Nevropatol Psikhiatr 72:1554-6, 1972 (Eng. Abstr.) (Rus)
[Neutral 17-ketosteroids, estrogens and gonadotropins and tbe urine of males witb endocrine forms of sex dysfunction disorders] Nisbcbymenko OV.
Fiziol Zh 18:627-31, Sep-Oct 72 (Eng. Abstr.) (Ukr)
[The effect of extirpation of tbe thymus on adrenal cortical function] Pokrovskaia SV.
Fiziol Zh 19:200-4, Mar-Apr 73 (Eng. Abstr.) (Ukr)
[Organization of dispensary care women with habitual abortions] Koreneva GP, et al.
Pediatr Akush Ginekol 6:39-43, 1972 (Ukr)

KETOSTEROIDS

The improvement of specificity in radioimmunoassays. Phillips AP. Clin Chim Acta 44:333-40, 30 Mar 73
Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al.
J Clin Endocrinol Metab 36:995-8, May 73
Preparation of oestriol-6-(O-carboxymethyl) oxime and oestrone-6-(carboxymethyl) oxime-bovine serum albumin conjugates. Dean PD, et al.
Steroids Lipids Res 3:82-9, 1972
[Increased enzymatic activity induced by formyldienolone. I. Succinate debydrogenase] Gomarasca P, et al.
Boll Chim Farm 111:731-9, Dec 72 (Eng. Abstr.) (Ita)

ADMINISTRATION & DOSAGE

A comparison of altbesin and thiopentone in induction of anaestbesia. Tammisto T, et al.
Br J Anaesth 45:100-7, Jan 73
Clocortolone, a new topical steroid in dermatoses. Mackey JP. J Ir Med Assoc 66:157-9, 24 Mar 73
Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Collins EJ, et al.
Steroids 21:443-55, Mar 73

ADVERSE EFFECTS

A comparison of althesin and thiopentone in induction of anaestbesia. Tammisto T, et al.
Br J Anaesth 45:100-7, Jan 73

ANALYSIS

Cerebral uptake of a 3 H-labelled spirolactone compound in tbe dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73

BIOSYNTHESIS

Tbe formation of 16,17-dihydroxylated C 19 steroids from 16-debydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA.
Biochim Biophys Acta 296:179-88, 19 Jan 73
Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al.
J Biol Chem 248:2691-8, 25 Apr 73
The in-vitro formation and the strong inhibitory action of 7-keto-cholesterol on cholesterol-7 -hydroxylase activity. Van Cantfort J.
Life Sci [II] 11:773-80, 8 Aug 72
The effect of corticotrophin on tbe compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitebouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

BLOOD

Age-related patbologic changes, hypertension, and 18-bydroxydeoxycorticosterone in rats selectively bred for higb or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73
Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

CEREBROSPINAL FLUID

Cerebral uptake of a 3 H-labelled spirolactone compound in tbe dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73

CHEMICAL SYNTHESIS

Transformations of steroidal neopentyl systems. VII. Mecbanism of the transformation of (19R)-hydroxy-19a-methyl-(5)-3-ones to 19-keto-19a-metbyl-(5)-3 -hydroxy analogs. Wicha J, et al. J Org Chem 38:1280-3, 6 Apr 73
D-norsteroids. II. Microbial hydroxylation of a D-norsteroid ketal. Belič I, et al.
Steroids Lipids Res 3:201-6, 1972

ISOLATION & PURIFICATION

Kinetic study of tbe metabolism of (4- 14 C) dehydroepiandrosterone by normal early buman placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972

METABOLISM

The formation of 16,17-dihydroxylated C 19 steroids from 16-debydro C 19 steroids in liver microsomes

from male and female rats. Gustafsson JA.
Biochim Biophys Acta 296:179-88, 19 Jan 73
Mechanism of enzymatic reduction of steroid double bonds. Björkhem I, et al.
Eur J Biochem 33:364-7, 1 Mar 73
Cerebral uptake of a 3 H-labelled spirolactone compound in the dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73
Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
D-norsteroids. II. Microbial hydroxylation of a D-norsteroid ketal. Belič I, et al.
Steroids Lipids Res 3:201-6, 1972
Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972

PHARMACODYNAMICS

Chlorcyclizine N-demethylase activity in chick embryo hepatic cell culture. Poland A, et al.
Biochem Pharmacol 22:749-58, 15 Mar 73
Anaesthesia for cardioversion: a comparison of althesin and thiopentone. Heinonen J, et al.
Br J Anaesth 45:49-54, Jan 73
The time course of cerebral circulatory and metabolic changes with Althesin. Keaney NP, et al.
Br J Anaesth 45:117-8, Jan 73
A comparison of altbesin and thiopentone in induction of anaestbesia. Tammisto T, et al.
Br J Anaesth 45:100-7, Jan 73
Some clinical pharmacological effects of altbesin (CT 1341). Jones J, et al.
Br J Pharmacol 46:553P-554P, Nov 72
Reversal of ouabain-induced electrophysiological effects by potassium canrenoate in canine Purkinje fibers. Yeh BK, et al. Circ Res 32:501-8, Apr 73
In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al.
J Exp Zool 183:333-42, Mar 73
The in-vitro formation and the strong inhibitory action of 7-keto-cholesterol on cholesterol-7 -hydroxylase activity. Van Cantfort J.
Life Sci [II] 11:773-80, 8 Aug 72
On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erbler HC. Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973
Protection by catatoxic steroids, phenobarbital and dipbenylbydantoin against methaqualone intoxication. Selye H, et al.
Steroids Lipids Res 3:156-9, 1972
Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Collins EJ, et al.
Steroids 21:443-55, Mar 73

THERAPEUTIC USE

Clocortolone, a new topical steroid in dermatoses. Mackey JP. J Ir Med Assoc 66:157-9, 24 Mar 73

METHYLPREDNISOLONE

A comparison of the molecular structures of six corticosteroids. Weeks CM, et al.
J Am Chem Soc 95:2865-8, 2 May 73
New drugs. No. I. Beclomethasone aerosol. Scott A.
J Ir Med Assoc 66:190, 14 Apr 73
Evaluation of kidney-preservation methods. Miller HC, et al. Lancet 808:880-1, 21 Apr 73

ADMINISTRATION & DOSAGE

Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73
Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. Br Med J 1:778-9, 31 Mar 73
Treatment of ganglia of the hand and wrist witb aspiration and injection of hydrocortisone. Holm PC, et al. Hand 5:63-8, Feb 73
Corticosteroids in experimental fat embolization. Kreis WR, et al. J Surg Res 14:238-46, Mar 73
Alternate-day therapy with methylprednisolone after renal transplantation. Sampson D, et al.
J Urol 109:345-8, Mar 73
Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al.
Mod Vet Pract 54:29 passim, May 73
[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Effect of intramammary corticosteroid administration during late gestation in cattle. Hagg DD, et al.
Mod Vet Pract 54:29 passim, May 73

BLOOD

Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73

CEREBROSPINAL FLUID

Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73

METABOLISM

Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73

PHARMACODYNAMICS

Steroid attenuation of tbe pulmonary vascular changes produced by heterologous plasma infusions. Speiller PB, et al. Am Rev Respir Dis 107:680-3, Apr 73
Benefits of methylprednisolone in the isolated perfused organ. Starling JR, et al.
Ann Surg 177:566-71, May 73
Ultrastructural changes in canine lung allografts. Staudacher V. Int Surg 58:236-42, Apr 73
The influence of corticosteroids on normal and papain-treated articular cartilage in the rabbit. Shaw NE, et al. J Bone Joint Surg [Br] 55:197-205, Feb 73
Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat. Katz AI, et al.
J Clin Invest 52:796-804, Apr 73
Steroid attenuation of hyperacute pulmonary xenograft rejection. Speiller PB, et al.
Rev Surg 30:222-4, May-Jun 73
Basis of impaired graft rejection of aging NZB-W mice. Gelfand MC, et al. Transplant Proc 5:145-8, Mar 73
[Morphological investigations of reticulation of the tonsil epithelium] Falk P, et al.
Acta Otolaryngol (Stockh) 75:85-103, Feb-Mar 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Acute smoke inhalation in children. Mayer BW, et al.
Am Fam Physician 7:80-4, Apr 73
Treatment of peripheral uveoretinitis by cryotherapy. Aaberg TM, et al. Am J Ophthalmol 75:685-8, Apr 73
Steroid attenuation of the pulmonary vascular changes produced by heterologous plasma infusions. Speiller PB, et al. Am Rev Respir Dis 107:680-3, Apr 73
Pemphigus treatment with azathioprine. Clinical and immunologic correlation. Roenigk HH Jr, et al.
Arch Dermatol 107:353-7, Mar 73
Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73
Development of an animal brain tumor model and its response to tberapy with 1,3-bis(2-chloroethyl)-1-nitrosourea. Barker M, et al.
Cancer Res 33:976-86, May 73
Treatment of ganglia of the hand and wrist with aspiration and injection of hydrocortisone. Holm PC, et al. Hand 5:63-8, Feb 73
Crushing chest injuries. Hallstrand HO.
Int Surg 58:316-21, May 73
Impaired production of interferon in lympbocytes from

immunosuppressed patients. Rytel MW, et al. **J Infect Dis 127:445-9, Apr 73**

Immunosuppressive treatment of autologous immune complex nephritis in rats. Lim VS, et al. **J Lab Clin Med 81:661-70, May 73**

Corticosteroids in experimental fat embolization. Kreis WR, et al. **J Surg Res 14:238-46, Mar 73**

Alternate-day therapy with methylprednisolone after renal transplantation. Sampson D, et al. **J Urol 109:345-8, Mar 73**

Beclomethasone aerosol in bronchial asthma. Herxheimer H. **Lancet 1:374-5, 17 Feb 73**

Steroid attenuation of hyperacute pulmonary xenograft rejection. Speiller PB, et al. **Rev Surg 30:222-4, May-Jun 73**

Efficacy of steroids in the treatment of septic and cardiogenic shock. Rosenbaum RW, et al. **Surg Gynecol Obstet 136:914-8, Jun 73**

High incidence of fungus infections in renal transplantation patients treated with antilymphocyte and conventional immunosuppression. Bach MC, et al. **Transplant Proc 5:549-53, Mar 73**

The role of clinical transplantation in patients with end-stage renal disease. Belzer FO, et al. **Transplant Proc 5:793-7, Mar 73**

Immunosuppression with cyclophosphamide in dogs following cardiac transplantation. Caves PK, et al. **Transplant Proc 5:517-21, Mar 73**

The immunologic diagnosis of orthotopic cardiac allograft rejection in dogs. Caves PK, et al. **Transplant Proc 5:745-8, Mar 73**

Reduction of immunogenicity of human cadaver renal allografts by donor pretreatment. Guttmann RD, et al. **Transplant Proc 5:663-5, Mar 73**

Clinical transplantation--an overview. Kountz SL. **Transplant Proc 5:59-65, Mar 73**

Recognition and treatment of rejection in experimental and human lung allografts. Veith FJ, et al. **Transplant Proc 5:783-6, Mar 73**

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. **Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)**

MINERALOCORTICOIDS

ANALYSIS

Familial glucocorticoid insufficiency. Moshang T Jr, et al. **J Pediatr 82:821-6, May 73**

BIOSYNTHESIS

[Diseases caused by adrenal dyshormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al. **Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)**

METABOLISM

Pathophysiology of metabolic alkalosis. Kutzman NA, et al. **Arch Intern Med 131:702-8, May 73**

Potassium tolerance in rats. Adam WR, et al. **Aust J Exp Biol Med Sci 50:757-68, Dec 72**

[Arterial hypertension and mineralocorticoids] Molinatti GM, et al. **Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)**

PHARMACODYNAMICS

Mineralocorticoid activity of 18-hydroxydeoxycorticosterone in the dog. Gotshall RW, et al. **Am J Physiol 224:1116-8, May 73**

Cytological and cytochemical studies of the reactive connective tissue after interaction with some corticosteroids. Dimova-Capkánova P. **Folia Med (Plovdiv) 14:235-9, 1972**

The mechanism of delayed biologic response following beryllium exposure. Clary JJ, et al. **J Occup Med 15:255-9, Mar 73**

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR. **Life Sci [I] 11:461-73, 15 May 72**

SECRETION

Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland. Chan SW, et al. **Gen Comp Endocrinol 20:291-6, Apr 73**

[Nephrotic syndrome] Gradowska L. **Pol Arch Med Wewn 50:170-9, Feb 73 (Pol)**

[Diseases caused by adrenal dyshormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase block; its possible importance in the pathogenesis of breast cancer] Sobrinho LG, et al. **Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)**

THERAPEUTIC USE

A new approach to the treatment of brain oedema: mineralocorticoids. Schmiedek P, et al. **Br J Surg 60:316, Apr 73**

PARAMETHASONE

ADMINISTRATION & DOSAGE

Clinical evaluation of paramethasone phosphate in septic shock: a preliminary report. Guevara M, et al. **Curr Ther Res 15:191-7, Apr 73**

[Bronchial mucosa and corticosteroids] Hajicek V, et al. **Praxis 62:497-500, 17 Apr 73 (Ger)**

ADVERSE EFFECTS

[Corticoid long-term therapy. Desired and undesired effects] Grabner W. **Fortschr Med 91:517-22, 26 Apr 73 (Ger)**

PHARMACODYNAMICS

Clinical evaluation of paramethasone phosphate in septic shock: a preliminary report. Guevara M, et al. **Curr Ther Res 15:191-7, Apr 73**

[Bronchial mucosa and corticosteroids] Hajicek V, et al. **Praxis 62:497-500, 17 Apr 73 (Ger)**

THERAPEUTIC USE

Clinical evaluation of paramethasone phosphate in septic shock: a preliminary report. Guevara M, et al. **Curr Ther Res 15:191-7, Apr 73**

PREDNISOLONE

The improvement of specificity in radioimmunoassays. Phillips AP. **Clin Chim Acta 44:333-40, 30 Mar 73**

Photomicrographic evaluation of drug-induced cataracts in cultured embryonic chick lens. Edwards A, et al. **Exp Eye Res 15:495-8, Apr 73**

[Simple method for the preservation of swine liver. I. 3-hour intermittent perfusion in hypothermia] Lie TS, et al. **Res Exp Med (Berl) 160:122-35, 1973 (Eng. Abstr.) (Ger)**

ADMINISTRATION & DOSAGE

Alternate-day versus daily systemic corticosteroids in corneal homograft rejection. Sugar A, et al. **Am J Ophthalmol 75:486-9, Mar 73**

Effects of vitamin A and glucocorticoids upon inflammation and collagen synthesis. Ehrlich HP, et al. **Ann Surg 177:222-7, Feb 73**

Therapeutic and toxic effects observed with different dosage programs of cyclophosphamide in treatment of steroid-responsive but frequently relapsing nephrotic syndrome. McCrory WW, et al. **J Pediatr 82:614-8, Apr 73**

Raised intraocular tension in renal transplant recipients. Wilson DM, et al. **Med J Aust 1:482-4, 10 Mar 73**

[Dosages in oral and parenteral steroid therapy] Kaiser H. **Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)**

[Experience with polychemotherapy of generalized forms of lymphogranulomatosis] Kondrat'eva AP. **Klin Med (Mosk) 50:123-30, Oct 72 (Eng. Abstr.) (Rus)**

[Effect of large doses of prednisolone on the state of the mucosal barrier of albino rat stomach] Zhuk EA, et al. **Probl Endokrinol (Mosk) 19:101-4, Jan-Feb 73 (Eng. Abstr.) (Rus)**

[Growth and development of children with congenital dysfunction of the adrenal cortex (based on follow-up studies)] Zhukovskif MA, et al.
Vopr Okhr Materin Det 17:17-21, Nov 72 (Eng. Abstr.) (Rus)

[Immunodepressants in the treatment of the major collagenoses] Gandzha IM, et al.
Vrach Delo 11:40-4, Nov 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Adiposity of small intestinal submucosa associated with malabsorption. Levine S, et al.
Arch Pathol 95:416-8, Jun 73

The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Tribe AE, et al. Aust NZ J Med 3:6-13, Feb 73

Raised intraocular tension in renal transplant recipients. Wilson DM, et al.
Med J Aust 1:482-4, 10 Mar 73

[Complications of corticosteroid therapy] Gluzman AM, et al.
Khirurgiia (Mosk) 49:112-6, Feb 72 (Eng. Abstr.) (Rus)

[Acute adrenal insufficiency caused by cessation of corticosteroid therapy] Kaflakov AM.
Klin Med (Mosk) 50:133-4, Aug 72 (Rus)

[Myocardial infarct during prednisolone therapy of a patient with hemorrhagic vasculitis] Moiseev VS, et al. Klin Med (Mosk) 50:145-7, Oct 72 (Rus)

[The effect of calcium pantothenate on the adrenal cortex of patients with rheumatoid polyarthritis treated with corticosteroids] Tiunina EA.
Klin Med (Mosk) 50:101-5, Aug 72 (Rus)

[The hyperplastic thymus and lymphatic hyperplastic constitutional anomaly in young children] Ogii LI.
Pediatr Akush Ginekol 6:27-9, 1972 (Ukr)

BIOSYNTHESIS

[Microbiological transformation of hydrocortisone into prednisolone in conditions of continuous cultivation] Sterkin VE, et al.
Izv Akad Nauk SSSR [Biol] 2:233-41, Mar-Apr 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73

[The value of various special urine studies for the diagnosis of chronic pyelonephritis] Ezdanian EA.
Klin Med (Mosk) 50:85-90, Aug 72 (Eng. Abstr.) (Rus)

METABOLISM

Investigation on the mode of action of cytotoxic hexitols V. Pharmaco-biochemical studies with dibromomannitol. Szabó J, et al.
Neoplasma 20:13-25, 1973

[Dosages in oral and parenteral steroid therapy] Kaiser H. Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)

PHARMACODYNAMICS

Effects of vitamin A and glucocorticoids upon inflammation and collagen synthesis. Ehrlich HP, et al. Ann Surg 177:222-7, Feb 73

Influence of age, treatment with corticosteroids and strain rate on mechanical properties of rat skin. Vogel HG. Biochim Biophys Acta 286:79-83, 24 Nov 72

Inhibition of epinephrine-induced glycogen phosphorylase activation by Bordetella pertussis vaccine in rats. Muszbek L, et al.
Experientia 29:219-20, 15 Feb 73

Alterations in cyclic AMP metabolism in human bronchial asthma. 3. Leukocyte and lymphocyte responses to steroids. Parker CW, et al.
J Clin Invest 52:1342-8, Jun 73

A contribution to the mechanism of drug inhibition of the graft vs host reaction. Levy L.
J Reticuloendothel Soc 13:1-6, Jan 73

[Serological studies using clostridial spores for tumor diagnosis. I. Transplantable tumors in rats and hamsters] Kretschmer H, et al.
Arch Geschwulstforsch 41:12-7, 1973 (Eng. Abstr.) (Ger)

[Studies on the effect of Trasylol. II. Effect of Trasylol and prednisolone on the kininogen concentration in the peritoneal exudate of golden hamsters] Kifor E, et al. Blut 26:141-5, Feb 73 (Eng. Abstr.) (Ger)

[Decrease in electrical threshold of pacemakers by glucocorticoids] Rupp M, et al.
Dtsch Med Wochenschr 98:858-61, 27 Apr 73 (Eng. Abstr.) (Ger)

[A negative correlation between the level of noradrenaline and intracellular sodium in the rat heart during corticosteroid metabolic changes] Rasin MS. Fiziol Zh 19:234-7, Mar-Apr 73 (Ukr)

THERAPEUTIC USE

Treatment of acute epiglottitis in children by long-term intubation. Heidtander P, et al.
Acta Otolaryngol (Stockh) 75:379-81, Apr 73

Alternate-day versus daily systemic corticosteroids in corneal homograft rejection. Sugar A, et al.
Am J Ophthalmol 75:486-9, Mar 73

Small-bowel transplantation: an experimental study. Holmes JT. Ann R Coll Surg Engl 52:165-81, Mar 73

Scleredema adultorum Buschke in a Rwandese woman. Dockx P, et al. Ann Soc Belg Med Trop 52:531-6, 1972

The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Tribe AE, et al. Aust NZ J Med 3:6-13, Feb 73

The early diagnosis of rejection by the leucocyte migration test in cadaveric renal transplantation. Williams RJ, et al. Br J Surg 60:313-4, Apr 73

Thrombotic thrombocytopenic purpura after influenza vaccination. Brown RC, et al. Br Med J 2:303, 5 May 73

Herpes gestationis. Mahmoud F, et al.
Ceylon Med J 17:99-101, Jun 72

The response to prednisolone in atrophic gastritis: a possible effect on non-intrinsic factor-mediated vitamin B 12 absorption. Strickland RG, et al.
Gut 14:13-9, Jan 73

Remission in Wegener's granulomatosis. Arvanitakis C.
J Laryngol Otol 87:289-94, Mar 73

The oral lesions of bullous pemphigoid. Brooke RI.
J Oral Med 28:36-40, Apr-Jun 73

Therapeutic and toxic effects observed with different dosage programs of cyclophosphamide in treatment of steroid-responsive but frequently relapsing nephrotic syndrome. McCrory WW, et al.
J Pediatr 82:614-8, Apr 73

Effects of D(-) penicillamine on polymeric structural collagen of skin. Francis MJ, et al.
Lancet 1:773-4, 7 Apr 73

Unusual anaemias of old age. Lancet 1:589-90, 17 Mar 73

Nephrosis, cyclophosphamide therapy, and severe systemic varicella recovery with massive doses of intravenous human immune serum globulin. Kobayashi A, et al.
Monatsschr Kinderheilkd 121:54-6, Feb 73

B lymphocytes in lepromatous leprosy. Gajl-Peczalska KJ, et al. N Engl J Med 288:1033-5, 17 May 73

Management of patients with persistent recurrent aphthous stomatitis and Sutton's disease. Stanley HR.
Oral Surg 35:174-9, Feb 73

Modified treatment of neonatal tetanus. Tjaij JK, et al.
Paediatr Indones 12:281-8, Jul 72

Gross paracetamol overdosage with recovery. Chakrabarti AK, et al. Practitioner 210:408-11, Mar 73

Evaluation of azathioprine in autoimmune thrombocytopenia and lupus erythematosus. Goebel KM, et al. Scand J Haematol 10:28-34, 1973

Deposition of osmium in rheumatoid synovial tissue after intra-articular injection of osmic acid. A histological and electron microscopical study. Collan Y, et al. Scand J Rheumatol 1:27-31, 1972

Polymyalgia rheumatica and malignant lymphoma. Report on a case. Knorring J von.
Schriftenr Ver Wasser Boden Lufthyg 1:117-20, 1972

Blocking antibody in the sera and on the kidneys of successful human transplants. Hattler BG, et al.
Transplant Proc 5:655-9, Mar 73

Homograft survival and serum-blocking factors. Quadracci LJ, et al. Transplant Proc 5:649-53, Mar 73

[Immunologic fertility disorders of the male] Bandhauer K.
Allerg Immunol (Leipz) 18:125-30, 1972 (Ger)

[Clinical and erythrokinetic findings in isolated erythropoietic aplasia before and after successful corticosteroid therapy] Havemann K, et al.
Blut 26:193-203, Mar 73 (Eng. Abstr.) (Ger)

[50th contribution of the Central Expert Committee for Drug Trade, Section Human Medicine] Poppe W, et al.
Dtsch Gesundheitsw 28:136-9, 3 Jan 73 (Ger)

[Diagnosis and treatment of plasma cell leukemia]

Fülle HH, et al.
Dtsch Med Wochenschr 98:874-81, 27 Apr 73 (Eng. Abstr.) (Ger)
[Decrease in electrical threshold of pacemakers by glucocorticoids] Rupp M, et al.
Dtsch Med Wochenschr 98:858-61, 27 Apr 73 (Eng. Abstr.) (Ger)
[Lupus erythematosus] Altmeyer P.
Fortschr Med 90:1262-6, 7 Dec 72 (Ger)
[Polyneuritic manifestations in rheumatic diseases] Payk TR, et al.
Fortschr Med 91:353-6 passim, 22 Mar 73 (Ger)
[Lyell's syndrome] Goerz G, et al.
Med Klin 68:404-9, 30 Mar 73 (Eng. Abstr.) (Ger)
[Etiology of Goodpasture's syndrome] Seeliger K, et al.
Med Klin 68:437-40, 6 Apr 73 (Eng. Abstr.) (Ger)
[Collagen metabolism in combined therapy of rheumatoid arthritis] Weimann G, et al.
Med Klin 68:344-50, 16 Mar 73 (Eng. Abstr.) (Ger)
[Comparative study on cicatrix cosmetics following the use of Phlebolan spray in 25 patients operated on both lower extremities simultaneously] Bolliger AA, et al.
Praxis 62:600-4, 8 May 73 (Eng. Abstr.) (Ger)
[Therapeutic experiences with a combination of oxypbenbutazone and prednisolone in diseases of the locomotor system] Lobsiger M, et al.
Praxis 62:482-5, 10 Apr 73 (Eng. Abstr.) (Ger)
[Collagen peptidase as a measure of collagen turnover in sarcoidosis] Stojan B, et al.
Schweiz Med Wochenschr 103:337-41, 3 Mar 73 (Eng. Abstr.) (Ger)
[Scrofulous lichen following BCG vaccination] Nagy E, et al. Z Haut Geschlechtskr 47:859-62, 15 Oct 72 (Ger)
[Purpura of the skin caused by Rheosolon] Nagy E, et al. Z Haut Geschlechtskr 48:233-6, 15 Mar 73 (Ger)
[Motor function and progression in rheumatoid arthritis] Keitel W, et al.
Z Rheumaforsch 32:40-6, Jan-Feb 73 (Eng. Abstr.) (Ger)
[The effect of corticosteroid therapy on the blood serum level of lysozyme in Botkin's disease] Bublii VP, et al. Klin Med (Mosk) 51:58-60, Feb 73 (Rus)
[Acute adrenal insufficiency caused by cessation of corticosteroid therapy] Kaflakov AM.
Klin Med (Mosk) 50:133-4, Aug 72 (Rus)
[Experience with polychemotherapy of generalized forms of lymphogranulomatosis] Kondrat'eva AP.
Klin Med (Mosk) 50:123-30, Oct 72 (Eng. Abstr.) (Rus)
[The effect of calcium pantothenate on the adrenal cortex of patients with rheumatoid polyarthritis treated with corticosteroids] Tiunina EA.
Klin Med (Mosk) 50:101-5, Aug 72 (Rus)
[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)
[Effect of glucocorticoids on potassium and sodium metabolism during the treatment of congenital dysfunction of the adrenal cortex] Kozlov GI.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Chronic lympholeukemia--a disease of immunologic insufficiency] Fainshtein FE, et al.
Ter Arkh 44:9-13, Sep 72 (22 ref.) (Rus)
[The dynamics of allergic indices in several viral and bacterial neuroinfections] Bogdanov IL, et al.
Vrach Delo 12:122-5, Dec 72 (Eng. Abstr.) (Rus)
[Immunodepressants in the treatment of the major collagenoses] Gandzha IM, et al.
Vrach Delo 11:40-4, Nov 72 (Eng. Abstr.) (Rus)
[The effectiveness of prednisolone in treating children with relapsed and chronic pneumonia] Motuz TA.
Pediatr Akush Ginekol 1:16-7, 1973 (Ukr)

PREDNISOLONE, TOPICAL

ADVERSE EFFECTS

[Atrophic skin strise following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)
[Congenital glaucoma and cortisone] Gnad HD, et al.
Klin Monatsbl Augenheilkd 162:86-90, Jan 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Topical steroids--which one? Wachs GN.
Int J Dermatol 12:8-9, Jan-Feb 73
[Atrophic skin striae following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)

PREDNISONE

One-stage allotransplantation of both lungs in the dog.
Alican F, et al. Ann Surg 177:193-8, Feb 73
The improvement of specificity in radioimmunoassays.
Phillips AP. Clin Chim Acta 44:333-40, 30 Mar 73
The effect of long-term steroid therapy on the histopathology of regional enteritis. Max MH, et al.
J Surg Res 14:124-32, Feb 73
Comparison of the accuracy of different types of dissolution rate methods. Bolhuis GK, et al.
Pharm Weekbl 108:49-53, 19 Jan 73

ADMINISTRATION & DOSAGE

Long-term immunosuppressive therapy of ulcerative colitis. Continuation of a personal series. Korelitz BI, et al. Am J Dig Dis 18:317-22, Apr 73
Growth in children following renal transplantation. Grushkin CM, et al. Am J Dis Child 125:514-6, Apr 73
Infectious risk factors in the immunosuppressed host. Anderson RJ, et al. Am J Med 54:453-60, Apr 73
Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al.
Am J Med 54:589-99, May 73
Renal transplantation in young children. Fine RN, et al.
Am J Surg 125:559-69, May 73
Steroid-induced morbidity mimicking active systemic lupus erythematosus. Hardin JG Jr.
Ann Intern Med 78:558-60, Apr 73
One-stage allotransplantation of both lungs in the dog.
Alican F, et al. Ann Surg 177:193-8, Feb 73
Pemphigus vulgaris in a 3-and-one-half-year old boy.
Berger BW, et al. Arch Dermatol 107:433-4, Mar 73
Influence of oral prednisone on patch-test reactions to Rbus antigen. Condie MW, et al.
Arch Dermatol 107:540-3, Apr 73
Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al.
Arch Dermatol 107:407-12, Mar 73
Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids.
Maberly DJ, et al. Br Med J 1:778-9, 31 Mar 73
Postherpetic neuralgia. Pearce J.
Br Med J 1:679, 17 Mar 73
Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. el-Shaboury AH, et al.
Br Med J 2:85-6, 14 Apr 73
Epidermolysis bullosa dystrophica treated with vitamin E and oral corticosteroids. Unger WP, et al.
Can Med Assoc J 108:1136-8, 5 May 73
Secondary chemotherapy of advanced breast cancer.
Goldenberg IS, et al. Cancer 31:660-3, Mar 73
Chlorambucil vs. combined chlorambucil-corticosteroid therapy in chronic lymphocytic leukemia. Han T, et al.
Cancer 31:502-8, Mar 73
Five-drug combination chemotherapy for disseminated adenocarcinoma. Lokich JJ, et al.
Cancer Chemother Rep 56:761-7, Dec 72
Alternate day steroid therapy in diffuse pulmonary sarcoidosis. Block AJ, et al. Chest 63:495-504, Apr 73
A controlled prospective study of cyclophosphamide in relapsing, corticosteroid-responsive, minimal-lesion nephrotic syndrome in childhood. Chiu J, et al.
J Pediatr 82:607-13, Apr 73
Chlorambucil in steroid-dependent nephrotic syndrome. Grupe WE. J Pediatr 82:598-606, Apr 73
The effect of long-term steroid therapy on the histopathology of regional enteritis. Max MH, et al.
J Surg Res 14:124-32, Feb 73
Zinc deficiency with altered adrenocortical function and its relation to delayed healing. Flynn A, et al.
Lancet 1:789-90, 14 Apr 73
Survival of a homologous parathyroid implant in an immunosuppressed patient. Groth CG, et al.
Lancet 1:1082-5, 19 May 73
Comparison of azathioprine, prednisone, and heparin alone or combined in treating lupus nephritis. Cade R, et al. Nephron 10:37-56, 1973
Effect of prednisone administration on collagen metabolism in adults. Grzywa M.
Pol Arch Med Wewn 50:331-7, Apr 73
Steroid diabetes in renal transplant recipients: pathogenetic factors and prognosis. Ruiz JO, et al.
Surgery 73:759-65, May 73
[Transitory acute hemolytic anemia with (gamma M)-C'

autoantibodies in the child. 2 cases] Lamagnère JP, et al. Pediatrie 27:749-56, Oct-Nov 72 (Fre)
[Results of the treatment of idiopathic nephrotic syndromes in children with corticotherapy lasting less than 3 months. Apropos of 28 cases] Orsini A, et al. Pediatrie 27:721-8, Oct-Nov 72 (Fre)
[Dosages in oral and parenteral steroid therapy] Kaiser H. Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)
[Problems in steroid-induced ulcers] Jovičič V. Wien Klin Wochenschr 85:272-5, 27 Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. Am J Med 54:589-99, May 73
Renal transplantation in young children. Fine RN, et al. Am J Surg 125:559-69, May 73
Cecal necrosis and perforation with systemic chemotherapy. Kingry RL, et al. Am Surg 39:129-33, Mar 73
Steroid-induced morbidity mimicking active systemic lupus erythematosus. Hardin JG Jr. Ann Intern Med 78:558-60, Apr 73
Pemphigus vulgaris in a 3-and-one-half-year old boy. Berger BW, et al. Arch Dermatol 107:433-4, Mar 73
Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al. Arch Dermatol 107:407-12, Mar 73
Pulmonary toxicity due to bleomycin. Report of a case. Kraus HF, et al. Arch Pathol 95:407-10, Jun 73
Septicemia in renal transplant recipients. Anderson RJ, et al. Arch Surg 106:692-4, May 73
Recovery of adrenal function after substitution of beclomethasone dipropionate for oral corticosteroids. Maberly DJ, et al. Br Med J 1:778-9, 31 Mar 73
Addiction to prednisone. Morgan HG, et al. Br Med J 2:93-4, 14 Apr 73
Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. el-Shaboury AH, et al. Br Med J 2:85-6, 14 Apr 73
Treatment of patients with systemic lupus erythematosus including nephritis with chlorambucil. Snaith ML, et al. Br Med J 2:197-201, 28 Apr 73
Lupus nephritis complicated by fatal disseminated coccidioidomycosis. Conger J, et al. Calif Med 118:60-5, Feb 73
Acute leukemia complicating metastatic breast cancer. Davis HL Jr, et al. Cancer 31:543-6, Mar 73
Chlorambucil vs. combined chlorambucil-corticosteroid therapy in chronic lymphocytic leukemia. Han T, et al. Cancer 31:502-8, Mar 73
Nonketotic hyperglycemia due to prednisone (NSC-10023) following ketotic hyperglycemia due to L-asparaginase (NSC-109229) plus prednisone. Falletta JM, et al. Cancer Chemother Rep 56:781-2, Dec 72
Daunorubicin (NSC-83142) versus daunorubicin plus prednisone (NSC-10023) versus daunorubicin plus vincristine (NSC-67574) plus prednisone in advanced childhood acute lymphocytic leukemia. Jones B, et al. Cancer Chemother Rep 56:729-37, Dec 72
Chlorambucil in steroid-dependent nephrotic syndrome. Grupe WE. J Pediatr 82:596-606, Apr 73
Corticosteroids and immunity to varicella. Lopez R. J Pediatr 82:740-1, Apr 73
Drug-induced extrapyramidal symptoms. A cooperative study. JAMA 224:889-91, 7 May 73
Controlled trial of prednisone and azathioprine in active chronic hepatitis. Murray-Lyon IM, et al. Lancet 1:735-7, 7 Apr 73
Phosphate depletion and glucocorticoid-induced hyperphosphatemia in lymphoblastic leukemia. Clarkson DR, et al. Metabolism 22:611-6, Apr 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. N Engl J Med 288:1115-21, 24 May 73
Comparison of azathioprine, prednisone, and heparin alone or combined in treating lupus nephritis. Cade R, et al. Nephron 10:37-56, 1973
Ultrastructure of peliosis hepatis in a percutaneous biopsy. Ross RC, et al. Pathol Eur 7:273-82, 1972
Steroid diabetes in renal transplant recipients: pathogenetic factors and prognosis. Ruiz JO, et al. Surgery 73:759-65, May 73
[Corticoid long-term therapy. Desired and undesired effects] Grabner W. Fortschr Med 91:517-22, 26 Apr 73 (Ger)
[Iatrogenic diabetic coma. Contribution to adverse effects of cytostatic therapy] Barb U, et al. Strahlentherapie 145:234-7, Feb 73 (Eng. Abstr.) (Ger)
[Problems in steroid-induced ulcers] Jovičič V. Wien Klin Wochenschr 85:272-5, 27 Apr 73 (Eng. Abstr.) (Ger)
[Treatment of gastrointestinal ulcer with the antibiotics-prednisone combination. Basis of our procedure] Peñarroja Rabaza J. Rev Esp Enferm Apar Dig 39:309-30, 1 Feb 73 (Eng. Abstr.) (Spa)

BLOOD

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al. Br Med J 2:147-9, 21 Apr 73

METABOLISM

[Dosages in oral and parenteral steroid therapy] Kaiser H. Dtsch Med Wochenschr 98:518, 9 Mar 73 (Ger)

PHARMACODYNAMICS

Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. Am J Med 54:589-99, May 73
Influence of oral prednisone on patch-test reactions to Rhus antigen. Condie MW, et al. Arch Dermatol 107:540-3, Apr 73
Effect of prednisone administration on collagen metabolism in adults. Grzywa M. Pol Arch Med Wewn 50:331-7, Apr 73
The platelet in the obliterate vascular rejection phenomenon. Burrows L, et al. Transplant Proc 5:157-60, Mar 73

THERAPEUTIC USE

Extracorporeal irradiation of the blood. Clinical results after necro-kidney transplantation. Weeke E, et al. Acta Med Scand 193:181-8, Mar 73
Rhinoscleroma in Finland. Grahne B, et al. Acta Otolaryngol (Stockh) 74:430-5, Dec 72
Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Bartsocas CS, et al. Acta Paediatr Scand 62:304-6, May 73
Long-term immunosuppressive therapy of ulcerative colitis. Continuation of a personal series. Korelitz BI, et al. Am J Dig Dis 18:317-22, Apr 73
Severe pulmonary involvement in visceral larva migrans. Beshear JR, et al. Am J Dis Child 125:599-600, Apr 73
Growth in children following renal transplantation. Grushkin CM, et al. Am J Dis Child 125:514-6, Apr 73
Diplopia. A rare manifestation of chorea. Schieken R, et al. Am J Dis Child 125:586-7, Apr 73
Gold-induced thrombocytopenia. Canada AT. Am J Hosp Pharm 30:340-2, Apr 73
An unusual dual hypersensitivity reaction induced by diphenylhydantoin. Sisca TS. Am J Hosp Pharm 30:446-9, May 73
Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. Am J Med 54:589-99, May 73
Immunologic events preceding clinical exacerbation of systemic lupus erythematosus. Epstein WV. Am J Med 54:631-6, May 73
Sideroblastic refractory anemia in a patient with systemic lupus erythematosus. Ballas SK. Am J Med Sci 265:225-31, Mar 73
Inappropriate antidiuretic hormone in Hodgkin's disease. Cassileth PA, et al. Am J Med Sci 265:233-5, Mar 73
Familial occurrence of von Willebrand's disease, thrombocytopenia, and severe gastrointestinal bleeding. Corder MP, et al. Am J Med Sci 265:219-23, Mar 73
Treatment of peripheral uveoretinitis by cryotherapy. Aaberg TM, et al. Am J Ophthalmol 75:685-8, Apr 73
Cyclocryotherapy in advanced inadequately controlled glaucoma. Bellows AR, et al. Am J Ophthalmol 75:679-84, Apr 73
Chronic open-angle glaucoma secondary to rhegmatogenous retinal detachment. Schwartz A. Am J Ophthalmol 75:205-11, Feb 73
Renal transplantation in young children. Fine RN, et al. Am J Surg 125:559-69, May 73

A controlled trial of prednisone treatment of sarcoidosis. Israel HL, et al.
Am Rev Respir Dis 107:609-14, Apr 73
Idiopathic interstitial pulmonary fibrosis. An immune complex disease? Nagaya H, et al.
Am Rev Respir Dis 107:826-30, May 73
In vitro and in vivo cellular immunity in anergic miliary tuberculosis. Waxman J, et al.
Am Rev Respir Dis 107:661-4, Apr 73
Cecal necrosis and perforation with systemic chemotherapy. Kingry RL, et al.
Am Surg 39:129-33, Mar 73
Systemic fungal infection complications in asthmatic patients treated with steroids. Goodman DH.
Ann Allergy 31:205-8, Apr 73
Steroid-induced morbidity mimicking active systemic lupus erythematosus. Hardin JG Jr.
Ann Intern Med 78:558-60, Apr 73
Calciphylaxis: etiology of progressive vascular calcification and gangrene? Conn J Jr, et al.
Ann Surg 177:206-10, Feb 73
Alopecia areata. Immunologic studies and treatment with prednisone. Kern F, et al.
Arch Dermatol 107:407-12, Mar 73
Pemphigus treatment with azathioprine. Clinical and immunologic correlation. Roenigk HH Jr, et al.
Arch Dermatol 107:353-7, Mar 73
Necrotizing enterocolitis in leukemia. Steinberg D, et al. Arch Intern Med 131:538-44, Apr 73
Unusual gallstone disease. Manny J, et al.
Arch Surg 106:644-50, May 73
Antithymocyte globulin in renal transplant kreciplents. A clinical trial. Turcotte JG, et al.
Arch Surg 106:484-8, Apr 73
Postherpetic neuralgia. Pearce J.
Br Med J 1:679, 17 Mar 73
Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. el-Shaboury AH, et al.
Br Med J 2:85-6, 14 Apr 73
Treatment of patients with systemic lupus erythematosus including nephritis with chlorambucil. Snaith ML, et al. Br Med J 2:197-201, 28 Apr 73
Lupus nephritis complicated by fatal disseminated coccidioidomycosis. Conger J, et al.
Calif Med 118:60-5, Feb 73
Extrinsic allergic alveolitis. Hargreave FE.
Can Med Assoc J 108:1150-4, 5 May 73 (36 ref.)
The immunopathology of epidermolysis bullosa acquisita. Kushniruk W.
Can Med Assoc J 108:1143-6, 5 May 73
Epidermolysis bullosa dystrophica treated with vitamin E and oral corticosteroids. Unger WP, et al.
Can Med Assoc J 108:1136-8, 5 May 73
Acute leukemia complicating metastatic breast cancer. Davis HL Jr, et al. Cancer 31:543-6, Mar 73
Secondary chemotherapy of advanced breast cancer. Goldenberg IS, et al. Cancer 31:660-3, Mar 73
Chloramhucil vs. combined chlorambucil-corticosteroid therapy in chronic lymphocytic leukemia. Han T, et al.
Cancer 31:502-8, Mar 73
Nonketotic hyperglycemia due to prednisone (NSC-10023) following ketotic hyperglycemia due to L-asparaginase (NSC-109229) plus prednisone. Falletta JM, et al.
Cancer Chemother Rep 56:781-2, Dec 72
Daunorubicin (NSC-83142) versus daunorubicin plus prednisone (NSC-10023) versus daunorubicin plus vincristine (NSC-67574) plus prednisone in advanced childhood acute lymphocytic leukemia. Jones B, et al.
Cancer Chemother Rep 56:729-37, Dec 72
Five-drug combination chemotherapy for disseminated adenocarcinoma. Lokich JJ, et al.
Cancer Chemother Rep 56:761-7, Dec 72
Evaluation of aniline mustard in patients with multiple myeloma. Kyle RA, et al. Cancer Res 33:956-60, May 73
Alternate day steroid therapy in diffuse pulmonary sarcoidosis. Block AJ, et al. Chest 63:495-504, Apr 73
Silo filler's disease. Scott EG, et al.
Chest 63:701-6, May 73
IgM turnover in man. Jensen KB.
Ciba Found Symp 9:249-72, 1972 (35 ref.)
Combination chemotherapy for lymphomas and leukemias. Rodriguez V, et al. DM 1-40, Apr 73 (51 ref.)
Colonic complications after renal transplantation. Arvanitakis C, et al. Gastroenterology 64:533-8, Apr 73
Chronic active hepatitis associated with eosinophilia and Coombs'-positive hemolytic anemia. Panush RS, et al. Gastroenterology 64:1015-9, May 73
Primary biliary cirrhosis in twin sisters. Chohan MR.
Gut 14:213-4, Mar 73
Chemotherapy of Hodgkin's disease. Shetty PA.
Indian J Cancer 9:320-3, Dec 72
Lymphocyte cytotoxicity reactions to leukemia-associated antigens in identical twins. Rosenberg EB, et al. Int J Cancer 9:648-58, 15 May 72
Destructive arthritis of the large joints. A rare manifestation of sarcoidosis. Bjarnason DF, et al.
J Bone Joint Surg [Am] 55:618-22, Apr 73
Immohilization hypercalcemia. Some new aspects of diagnosis and treatment. Lawrence GD, et al.
J Bone Joint Surg [Am] 55:87-94, Jan 73
Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73
Koebner phenomenon and unusual manifestation of discoid lupus erythematosus (a case report). Abdel-Aal H, et al. J Egypt Med Assoc 55:704-8, 1972
Impaired production of interferon in lymphocytes from immunosuppressed patients. Rytel MW, et al.
J Infect Dis 127:445-9, Apr 73
Prednisone treatment for Bell's palsy.
J Iowa Med Soc 63:221, May 73
A controlled prospective study of cyclophosphamide in relapsing, corticosteroid-responsive, minimal-lesion nephrotic syndrome in childhood. Chiu J, et al.
J Pediatr 82:607-13, Apr 73
Chlorambucil in steroid-dependent nephrotic syndrome. Grupe WE. J Pediatr 82:598-606, Apr 73
Extramembranous glomerulonephritis in children: report of 50 cases. Hahih R, et al.
J Pediatr 82:754-66, May 73
Corticosteroids and immunity to varicella. Lopez R.
J Pediatr 82:740-1, Apr 73
Surgical complications in the patient with leukemia. Sherman NJ, et al. J Pediatr Surg 8:235-44, Apr 73
The effect of long-term steroid therapy on the histopathology of regional enteritis. Max MH, et al.
J Surg Res 14:124-32, Feb 73
Carcinoma of the bladder in a renal transplant patient. Biggs AW. J Urol 109:417-8, Mar 73
Spontaneous rupture of renal allotransplants. Ghose MK, et al. J Urol 109:790-5, May 73
Alternate-day therapy with methylprednisolone after renal transplantation. Sampson D, et al.
J Urol 109:345-8, Mar 73
Systemic giant-cell arteritis with polymyalgia rheumatica, reversible abnormalities of liver function. Dickson ER, et al.
JAMA 224:1496-8, 11 Jun 73
Drug-induced extrapyramidal symptoma. A cooperative study. JAMA 224:889-91, 7 May 73
Systemic lupus erythematosus.
JAMA 224:Suppl 5:701-11, 30 Apr 73 (50 ref.)
Rheumatoid arthritis.
JAMA 224:Suppl 5:687-70, 30 Apr 73 (89 ref.)
Polymyositis and dermatomyositis.
JAMA 224:Suppl 5:717-9, 30 Apr 73
Rheumatic fever. JAMA 224:Suppl 5:736-9, 30 Apr 73
Polymyalgia rheumatica.
JAMA 224:Suppl 5:728, 30 Apr 73
Regulation of plasma aldosterone concentration in anephric man and renal transplant recipients. Cooke CR, et al. Kidney Int 3:160-6, Mar 73
Treatment of chronic active hepatitis. Demeulenaere L, et al. Lancet 1:1124, 19 May 73
Controlled trial of prednisone and azathioprine in active chronic hepatitis. Murray-Lyon IM, et al.
Lancet 1:735-7, 7 Apr 73
Subglottic hemangioma of the larynx treated with steroid therapy. Overcash KE, et al.
Laryngoscope 83:679-82, May 73
Methods of ambulatory care. Petty TL, et al.
Med Clin North Am 57:751-62, May 73 (25 ref.)
Hyperglycaemic non-ketotic coma. Snowdon JA.
Med J Aust 1:698-700, 7 Apr 73
Phosphate depletion and glucocorticoid-induced hyperphosphatemia in lymphoblastic leukemia. Clarkson DR, et al. Metabolism 22:611-6, Apr 73
Necrotizing angiitis in a methamphetamine user with hepatitis B--angiographic diagnosis, five-month follow-up results and localization of bleeding site. Koff RS, et al. N Engl J Med 288:946-7, 3 May 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises.
N Engl J Med 288:1115-21, 24 May 73
Cellular immune reactions to human leukemia. Herberman RB, et al.
Natl Cancer Inst Monogr 35:259-66, Dec 72
Comparison of azathioprine, prednisone, and heparin

alone or combined in treating lupus nephritis. Cade R, et al. Nephron 10:37-56, 1973
Ophthalmoplegia in dermatomyositis. Susac JO, et al. Neurology (Minneap) 23:305-10, Mar 73
Management of autoimmune thrombocytopenia in pregnancy and in the neonate. Territo M, et al. Obstet Gynecol 41:579-84, Apr 73
Dermatomyositis complicating pregnancy. Tsai A, et al. Obstet Gynecol 41:570-3, Apr 73
Reliability of seromucoid as an indicator of rheumatoid arthritis activity. Zimmermann-Górska I, et al. Scand J Rheumatol 1:2-4, 1972
Immunoglobulin synthesis and tumor kinetics of multiple myeloma. Salmon SE. Semin Hematol 10:135-44, Apr 73
Management of starch peritonitis without the unnecessary second operation. Warshaw AL. Surgery 73:681-5, May 73
Is myasthenia gravis an autoimmune disease? Chriss JW. Tex Med 69:72-4, May 73
Juvenile rheumatoid arthritis in the adult presenting as fever of unknown origin. Bujak JS, et al. Trans Assoc Am Physicians 85:181-91, 1972
High incidence of fungus infections in renal transplantation patients treated with antilymphocyte and conventional immunosuppression. Bach MC, et al. Transplant Proc 5:549-53, Mar 73
The role of clinical transplantation in patients with end-stage renal disease. Belzer FO, et al. Transplant Proc 5:793-7, Mar 73
Renal transplantation between 33 HL-A-identical siblings. Descamps B, et al. Transplant Proc 5:231-6, Mar 73
Metabolic effects of hepatic replacement in Wilson's disease. Groth CG, et al. Transplant Proc 5:829-33, Mar 73
Reduction of immunogenicity of human cadaver renal allografts by donor pretreatment. Guttmann RD, et al. Transplant Proc 5:663-5, Mar 73
Eight- to ten-year follow-up in early cases of renal homotransplantation. Halgrimson CG, et al. Transplant Proc 5:787-91, Mar 73
Clinical transplantation--an overview. Kountz SL. Transplant Proc 5:59-65, Mar 73
Inhibition of mixed lymphocyte culture by alloantibodies in renal transplantation and in pregnancy. Revillard JP, et al. Transplant Proc 5:331-5, Mar 73
Causes of allograft failure in recipients treated with and without antilymphocyte globulin. Shell AG, et al. Transplant Proc 5:561-5, Mar 73
The mixed leukocyte response in human renal transplantation. Shons AR, et al. Transplant Proc 5:337-42, Mar 73
Cyclophosphamide for clinical renal and hepatic transplantation. Starzl TE, et al. Transplant Proc 5:511-6, Mar 73
Recognition and treatment of rejection in experimental and human lung allografts. Veith FJ, et al. Transplant Proc 5:783-6, Mar 73
[Curable arterial hypertension (retroperitoneal fibrosis) treated with corticoids] Péquignot H, et al. Ann Med Interne (Paris) 123:975-80, Nov 72 (Fre)
[Place of chemotherapy in the treatment of primary bronchial cancers] Clément F. Bronches 22:176-89, May-Jun 72 (Fre)
[50th contribution of the Central Expert Committee for Drug Trade, Section Human Medicine] Poppe W, et al. Dtsch Gesundheitsw 28:136-9, 3 Jan 73 (Ger)
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al. Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)
[Follow-ups after kidney transplantations] Halbfass HJ, et al. Dtsch Med Wochenschr 98:479-81, 9 Mar 73 (Eng. Abstr.) (Ger)
[Lupus erythematosus] Altmeyer P. Fortschr Med 90:1262-6, 7 Dec 72 (Ger)
[Significance of (85 Sr) radioisotope bone scanning in the early diagnosis of bone metastases and possibilities of their therapy] Hoppe D, et al. Z Aerztl Fortbild (Jena) 67:176-80, 15 Feb 73 (Ger)
[Leukemia in pregnancy (case report)] Schneider B. Z Aerztl Fortbild (Jena) 67:86-7, 15 Jan 73 (Ger)
[Goodpasture's syndrome] Sicifiski A. Pol Arch Med Wewn 50:201-5, Feb 73 (26 ref.) (Pol)
[Treatment of acute cerebral edema] Prişcu R, et al. Pediatr Pol 21:519-28, Nov-Dec 72 (Rum)
[Treatment of gastrointestinal ulcer with the antibiotics-prednisone combination. Basis of our procedure] Peñarroja Rabaza J. Rev Esp Enferm Apar Dig 39:309-30, 1 Feb 73 (Eng. Abstr.) (Spa)
[10-year follow-up on the treatment of Werlhof's disease] Todorović M. Lijec Vjesn 95:137-40, 1973 (Eng. Abstr.) (Cro)

PREGNANETRIOL

ADMINISTRATION & DOSAGE

Effect of combination ointment of flumetason-pivalat 0,02 per cent and salicylic acid (Locasalen) on dermatoses. Lundell E. Z Haut Geschlechtskr 48:25-7, 1 Jan 73

ANALYSIS

Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73

METABOLISM

Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72

THERAPEUTIC USE

Surgical treatment of hyperadrenocorticism (Cushing's syndrome). Hradec E. J Urol 109:533-7, Apr 73

URINE

Urinary pregn-5-ene-3 ,16 ,20 -triol in adrenal dysfunction. Fanti V, et al. J Endocrinol 57:135-42, Apr 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73
Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. Haymond MW, et al. J Pediatr 82:682-6, Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al. Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R. Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)

TRIAMCINOLONE

Thyroid disorders and glucose tolerance. Correlation of glucose tolerance tests and thyroid function parameters. Zamrazil V, et al. Endokrinologie 61:37-42, 1973

ADMINISTRATION & DOSAGE

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Corticoid long-term therapy. Desired and undesired effects] Grahner W. Fortschr Med 91:517-22, 26 Apr 73 (Ger)

PHARMACODYNAMICS

Inactivation of tyrosine aminotransferase in neutral homogenates and rat liver slices. Auricchio F, et al. Biochem J 129:1131-8, Oct 72
Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al. J Pharm Sci 62:690-2, Apr 73

THERAPEUTIC USE

Inside tracheoesophageal fistula: new endoscopic approaches. Gans SL, et al.
J Pediatr Surg 8:205-11, Apr 73
[Pemphigus vulgaris. Recurrence 9 years after sudden interruption of corticotherapy] Civatte J, et al.
Bull Soc Fr Dermatol Syphiligr 79:106-7, 1972 (Fre)
[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

TRIAMCINOLONE ACETONIDE

Solubility and dissolution of triamcinolone acetonide. Block LH, et al. J Pharm Sci 62:617-21, Apr 73

ADMINISTRATION & DOSAGE

Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Corticosteroid aerosols in asthma. Falliers CJ.
Lancet 1:606-7, 17 Mar 73
[Melkersson-Rosenthal syndrome] Schneider I, et al.
Z Haut Geschlechtskr 48:163-9, 1 Mar 73 (Ger)

ADVERSE EFFECTS

Perianal atrophoderma from topical corticosteroids. Goldman L, et al. Arch Dermatol 107:611-2, Apr 73
Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Corticosteroid aerosols in asthma. Falliers CJ.
Lancet 1:606-7, 17 Mar 73
Dermatrophy from long-term occulsive topical corticosteroid therapy. Goette DK.
South Med J 66:542-6, May 73
Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. Teratology 7:167-75, Apr 72
[Atrophic skin striae following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)

ANALYSIS

Solubility and dissolution of triamcinolone acetonide. Block LH, et al. J Pharm Sci 62:617-21, Apr 73

METABOLISM

Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. Teratology 7:167-75, Apr 72

PHARMACODYNAMICS

Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice. Andrew FD, et al. Teratology 7:167-75, Apr 72

THERAPEUTIC USE

Perianal atrophoderma from topical corticosteroids. Goldman L, et al. Arch Dermatol 107:611-2, Apr 73
Epidermolytic hyperkeratosis. Effect of tretinoin therapy on the clinical course and the basic defects in the stratum corneum. Schorr WF, et al.
Arch Dermatol 107:556-62, Apr 73
Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Neering H, et al. Dermatologica 145:395-9, 1972
Terminal neuromas treated with triamcinolone acetonide. Pataky PE, et al. J Surg Res 14:36-45, Jan 73
Corticosteroid aerosols in asthma. Falliers CJ.
Lancet 1:606-7, 17 Mar 73
Management of patients with persistent recurrent aphthous stomatitis and Sutton's disease. Stanley HR.
Oral Surg 35:174-9, Feb 73
[Atrophic skin striae following local corticosteroid therapy] Gschwandtner WR.
Hautarzt 24:70-3, Feb 73 (Ger)
[Clinical experiences in colitis therapy using triamcinolone acetonide enemas] Sauvigny E.
Med Welt 24:747-9, 4 May 73 (Ger)
[Melkersson-Rosenthal syndrome] Schneider I, et al.
Z Haut Geschlechtskr 48:163-9, 1 Mar 73 (Ger)
[Experimental and clinical studies related to the effect of triamcinolone acetonide in gingivitis] Sandalli P.
Dishekim Derg 3:533-56, Oct 72 (Tur)

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-horn rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

[Effects of alpha-aminoglutethimide administration in a patient with pituitary diabetes insipidus] Torres-Zamora M, et al. Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

METABOLISM

The partial fate of aminoglutethimide in man. Douglas JS, et al. J Pharm Pharmacol 24:Suppl:150P, Dec 72

PHARMACODYNAMICS

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al. J Biol Chem 248:2691-8, 25 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al. J Biol Chem 248:9-14, 10 Jan 73

Sequential foetal-maternal plasma cortisol levels in sheep. Drost M, et al. J Endocrinol 56:483-92, Mar 73

Drug stimulation of -aminolevulinic acid synthetase and cytochrome P-450 in vivo in chick embryo liver. Rifkind AB, et al. J Pharmacol Exp Ther 185:214-25, May 73

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-horn rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al. Proc Soc Exp Biol Med 142:1295-300, Apr 73

THERAPEUTIC USE

[Effects of alpha-aminoglutethimide administration in a patient with pituitary diabetes insipidus] Torres-Zamora M, et al. Arch Invest Med (Mex) 3:481-90, 1972 (Eng. Abstr.) (Spa)

URINE

The partial fate of aminoglutethimide in man. Douglas JS, et al. J Pharm Pharmacol 24:Suppl:150P, Dec 72

DDD

ADMINISTRATION & DOSAGE

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73

Decreased conversion of androgens to normal 17-ketosteroid metaholites as a result of treatment with o,p'-DDD. Hellman L, et al. J Clin Endocrinol Metab 36:801-3, May 73

ANALYSIS

Levels of DDT and PCB compounds in North Atlantic fin-back whales. Saschenbrecker PW. Can J Comp Med 37:203-6, Apr 73

Residues of organochlorine pesticides, polychlorinated biphenyls, and mercury and autopsy data for bald eagles, 1969 and 1970. Belisle AA, et al. Pestic Monit J 6:133-8, Dec 72

Residues of chlorinated hydrocarbon pesticides in the northern quahog (hard-shell clam), Mercenaria mercenaria--1968 and 1969. Check RM, et al.

The effects of pesticides on wildlife: exposure and residues. Moriarty F. Sci Total Environ 1:267-88, Nov 72 (93 ref.)

[DDT and DDD content in milk of women in the Lublin Province] Bronisz H, et al. Pediatr Pol 48:445-51, Apr 73 (Eng. Abstr.) (Pol)

BIOSYNTHESIS

Location and consequences of 1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane uptake by Bacillus megaterium. Hicks GF Jr, et al. Appl Microbiol 25:381-7, Mar 73

BLOOD

[Accumulation and elimination of o,p'-DDD in organs and tissues of guinea pigs and dogs] Korpachev VV. Fiziol Zh 18:585-90, Sep-Oct 72 (Eng. Abstr.) (Ukr)

METABOLISM

[Accumulation and elimination of o,p'-DDD in organs and tissues of guinea pigs and dogs] Korpachev VV. Fiziol Zh 18:585-90, Sep-Oct 72 (Eng. Abstr.) (Ukr)

PHARMACODYNAMICS

Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al. J Clin Endocrinol Metab 36:801-3, May 73

Drug stimulation of -aminolevulinic acid synthetase and cytochrome P-450 in vivo in chick embryo liver. Rifkind AB, et al. J Pharmacol Exp Ther 185:214-25, May 73

[Current concepts of the mechanism of action o,p'-DDD on the adrenal cortex function] Komissarenko VP, et al. Fiziol Zh 18:579-84, Sep-Oct 72 (Eng. Abstr.) (Ukr)

[Studies of the effect of o,p'-DDD on the ATPase activity and mitochondrial swelling of liver and kidneys] Komissarenko VP, et al. Fiziol Zh 19:195-9, Mar-Apr 73 (Eng. Abstr.) (Ukr)

[The effects of the adrenal cortex function inhibitor Chloditan (o,p'-DDD) on serum proteins] Vaniurikhina LT. Fiziol Zh 18:591-5, Sep-Oct 72 (Eng. Abstr.) (Ukr)

THERAPEUTIC USE

Treatment of Cushing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD). Schechter RD, et al. J Am Vet Med Assoc 162:629-39, 15 Apr 73

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al. Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

URINE

[Accumulation and elimination of o,p'-DDD in organs and tissues of guinea pigs and dogs] Korpachev VV. Fiziol Zh 18:585-90, Sep-Oct 72 (Eng. Abstr.) (Ukr)

METYRAPONE

The binding of metyrapone to cytochrome P-450 and its inhibitory action on microsomal hepatic mixed function oxidation reactions. Hildebrandt AG.
Biochem Soc Symp 34:79-102, 1972 (46 ref.)

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972

The mechanism of delayed biologic response following beryllium exposure. Clary JJ, et al.
J Occup Med 15:255-9, Mar 73

Ultrastructure of the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell. Pearson AK, et al. Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73

ADMINISTRATION & DOSAGE

Placental transfer of metopirone. Vidyasagar D, et al.
Biol Neonate 21:471-4, 1972

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

BLOOD

A gas chromatographic method for the determination of metyrapone and its reduced derivative in plasma. Hollands TR, et al. Biochem Med 7:288-91, Apr 73

Placental transfer of metopirone. Vidyasagar D, et al.
Biol Neonate 21:471-4, 1972

DIAGNOSTIC USE

A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al.
J Pediatr 82:461-5, Mar 73

Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73

[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies. Malendowicz LK. Endokrinologie 61:75-93, 1973

Effects of metopirone on duodenal differentiation and yolk sac retraction in chick embryos. Hulan HW, et al.
Experientia 29:193-4, 15 Feb 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al.
J Biol Chem 248:9-14, 10 Jan 73

Assay of cortisol, corticosterone, 11-deoxycortisol and cortisone in ovine peripheral and adrenal venous plasma. Clements AS, et al.
J Endocrinol 56:413-9, Mar 73

The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions. Parvez H, et al.
J Neurochem 20:1011-20, Apr 73

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73

Drug stimulation of -aminolevulinic acid synthetase and cytochrome P-450 in vivo in chick embryo liver. Rifkind AB, et al.
J Pharmacol Exp Ther 185:214-25, May 73

The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine. Daniels VG, et al. J Physiol (Lond) 229:697-707, Mar 73

Binding of 14 C-carbon tetrachloride to microsomal proteins in vitro and formation of CHCl 3 by reduced liver microsomes. Uehleke H, et al.
Xenobiotica 3:1-11, Jan 73

[The thyrotrophic cells of the anterior pituitary gland in Cnemidophorus L. lemniscatus (Sauria, Teiidae); effects of thyroidectomy] Dei Conte E.
Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Eng. Abstr.) (Fre)

[Action of an inhibitor of corticoid synthesis, metyrapone, on the plasma levels of adrenalin, noradrenalin, blood sugar and liver glycogen in rats] Parvez H, et al.
Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)

[Effect of metopirone on the clearance rate of inhaled 59 Fe 2 O 3 particles] Schorn H, et al.
Strahlentherapie [Sonderb] 72:232-7, 1972 (Eng. Abstr.) (Ger)

[A negative correlation between the level of noradrenaline and intracellular sodium in the rat heart during corticosteroid metabolic changes] Rasin MS. Fiziol Zh 19:234-7, Mar-Apr 73 (Ukr)

THERAPEUTIC USE

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

PITUITARY-ADRENAL SYSTEM

Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al.
Acta Paediatr Belg 26:225-40, 1972

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972

Expectancy and the pituitary-adrenal system. Levine S, et al. Ciba Found Symp 8:281-91, 1972

Further studies on cholinergic mechanisms and hormone-activated copulatory behaviour in the female rat. Lindström LH.
J Endocrinol 56:275-83, Feb 73

Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland. Girouard RJ, et al.
J Exp Zool 183:323-32, Mar 73

Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports. Schutt-Aine JC, et al.
J Pediatr 82:809-13, May 73

Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Hiroshige T, et al.
Neuroendocrinology 11:306-20, 1973

Influence of water deprivation on adrenocortical rhythms. Johnson JT, et al.
Neuroendocrinology 11:268-73, 1973

Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73

Adrenal cortical secretion in response to nicotine in conscious and anaesthetized dogs. Suzuki T, et al.
Q J Exp Physiol 58:139-42, Apr 73

Study of lymphocyte depletion and serum complement perturbations following acute burn trauma. Farrell MF, et al. Surgery 73:697-705, May 73

[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)

[Correlative interrelations between the neuro-endocrine system and the genotype in formation of protective reactions of the body] Shchukin PI.
Izv Akad Nauk SSSR [Biol] 2:196-209, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. Klin Med (Mosk) 50:16-21, Aug 72 (Rus)

[Sympathetic participation in the regulation of the adrenal cortex] Fernández Marías O.
Rev Med Univ Navarra 16:323-38, Dec 72 (Eng. Abstr.) (Spa)

DRUG EFFECTS

[Concentration and rate of disappearance of corticosterone in relation to the quality of alimentary proteins in growing rats] Kamoun A.
Pathol Biol (Paris) 21:123-32, Feb 73 (Eng. Abstr.) (Fre)

[Acute crisis in endocrine system diseases] Pacyński A.
Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

[Prodigiozan and antibiotics] Ermol'eva ZV, et al.
Antibiotiki 17:1109-28, Dec 72 (144 ref.) (Rus)

PHYSIOPATHOLOGY

[Pathogenesis and treatment of lightning and nutatory seizures] Voronkov BV.
Zh Nevropatol Psikhiatr 72:1554-6, 1972 (Eng. Abstr.) (Rus)

RENIN

Influence of pH on human renin activity with different substrates: role of substrate denaturation. Favre L, et al. Biochim Biophys Acta 302:102-9, 15 Mar 73
Primary excess and deficiency or renin.
Br Med J 1:627-8, 17 Mar 73
The activation of a possible zymogen of renin in rabbit kidney. Leckie B. Clin Sci 44:301-4, Mar 73
Measurement of plasma renin-substrate in man. Tree M. J Endocrinol 56:159-71, Feb 73
Vasospasm in ischemic heart disease--a hypothesis. Hellstrom HR. Perspect Biol Med 16:427-40, Spring 73
Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al.
Psychosom Med 35:143-54, Mar-Apr 73

ADMINISTRATION & DOSAGE

Reaction of endogenous renin with exogenous renin substrate within the isolate perfused rat kidney. Hofbauer KG, et al.
Proc Soc Exp Biol Med 142:796-9, Mar 73

ADVERSE EFFECTS

Coagulation and renal disease. Kincaid-Smith P.
Kidney Int 2:183-90, Oct 72 (99 ref.)

ANALYSIS

Transfer of rabbit uterine renin to autologous tissues placed in contact with the uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 81:125-36, Mar 73
Renal renin in experimental nephrosclerosis.
Mersereau WA, et al. J Pathol 108:319-27, Dec 72
Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73
Iso-renin, electrolytes and catecholamines in dog brain: possible interrelationship. Ganten D, et al.
Life Sci [I] 12:1-8, 3 Jan 73
[Rapid method for radio-immunochemical determination of plasma renin activity] Vincent M, et al.
Rev Eur Etud Clin Biol 17:1001-6, Dec 72 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S.
Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)

BIOSYNTHESIS

Transfer of rabbit uterine renin to autologous tissues placed in contact with the uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 81:125-36, Mar 73

BLOOD

Effect of alprenolol on blood pressure and plasma renin activity in hypertensive patients. Castenfors J, et al.
Acta Med Scand 193:189-95, Mar 73
Transfer of rabbit uterine renin to autologous tissues placed in contact with the uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 81:125-36, Mar 73
Volume-dependent essential and steroid hypertension.
Dustan HP, et al. Am J Cardiol 31:606-15, May 73
Contribution of cardiac output to renovascular hypertension in man. Relation to surgical treatment.
Tarazi RC, et al. Am J Cardiol 31:600-5, May 73
Estimation of plasma renin activity by radioimmunoassay of angiotensin I. Luhran MM, et al.
Ann Clin Lab Sci 3:48-52, Jan-Feb 73
Lack of antihypertensive effects of chronic administration of DL-propranolol in Grollman rats.
Menard J, et al.
Arch Int Pharmacodyn Ther 202:298-303, Apr 73
Cerebral arterial spasm. Modification by inhibition of platelet function. Zervas NT, et al.
Arch Neurol 28:400-4, Jun 73
Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion. Brown JJ, et al. Br Med J 1:650-4, 17 Mar 73
Plasma renin levels and vascular complications in hypertension. Doyle AE, et al.
Br Med J 2:206-7, 28 Apr 73
Similar effects of hydrochlorothiazide and spironolactone on plasma renin activity in essential hypertension. Acchiardo S, et al.
Cleve Clin Q 39:153-62, Winter 72
Renin, noradrenaline and adrenaline responses to simulated altitude. Kotchen TA, et al.
Clin Sci 44:243-51, Mar 73
The effect in man of (+)-propranolol and racemic propranolol on renin secretion stimulated by orthostatic stress. Tobert JA, et al.
Clin Sci 44:291-5, Mar 73
Effects of estrogen treatment on plasma renin parameters in the rat. Menard J, et al.
Endocrinology 92:1382-8, May 73
Primary aldosteronism--Conn's syndrome (a case report). Shah KD, et al. Indian Heart J 24:310-2, Jul 72
Clinical renal transplantation. Porter KA.
Int Rev Exp Pathol 11:73-176, 1972 (625 ref.)
Effects of an hyperoxic hypobaric environment on renin-aldosterone in normal man. Epstein M, et al.
J Appl Physiol 34:49-52, Jan 73
Comparison of a biological and an immunological assay for the measurement of plasma renin activity. Kotchen TA, et al.
J Clin Endocrinol Metab 36:804-10, May 73
Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease. Weidmann P, et al.
J Clin Endocrinol Metab 36:965-77, May 73
The effect of supine and lateral recumbency on plasma renin activity during pregnancy. Weinberger MH, et al. J Clin Endocrinol Metab 36:991-4, May 73
The effect of chronic sodium loading and sodium restriction on plasma prostaglandin A, E, and F concentrations in normal humans. Zusman RM, et al.
J Clin Invest 52:1093-8, May 73
Disappearance of endogenous renin from the circulation after nephrectomy in previously hepatectomized or colonectomized dogs. Amery A, et al. J Endocrinol 56:259-65, Feb 73
Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Double antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma.
Emanuel RL, et al. J Lab Clin Med 81:632-40, Apr 73
Suppressed plasma renin activity and primary aldosteronism. Jagger PI.
J Maine Med Assoc 64:103 passim, May 73
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. J Urol 109:349-55, Mar 73
Regulation of plasma aldosterone concentration in anephric man and renal transplant recipients. Cooke CR, et al. Kidney Int 3:160-6, Mar 73
Salt wastage, raised plasma-renin activity, and normal or high plasma-aldosterone: a form of pseudohypoaldosteronism. Rösler A, et al.
Lancet 1:959-62, 5 May 73
Exchangeable sodium and renin in hypertension.
Wardle EN. Lancet 809:934-5, 28 Apr 73
Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73
Bartter's syndrome. An unusual presentation. Tarm F, et al. Mayo Clin Proc 48:280-3, Apr 73
Low-renin hypertension. Mroczek WJ, et al.
N Engl J Med 288:1077-8, 17 May 73
Effect of oral contraceptive therapy on the renin-angiotensin system in normotensive and hypertensive women. Tapia HR, et al.
Obstet Gynecol 41:643-9, May 73
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73
Angiotensins lung converting enzyme. Loyke HF.
Proc Soc Exp Biol Med 143:82-4, May 73
Effects of hemorrhage and furosemide on renin release in dogs. Ajzen H, et al.
Rev Bras Pesqui Med Biol 5:243-9, Sep-Dec 72 (Eng. Abstr.) (Por)
Angiotensin, aldosterone and DOC in hypertensive

disease of pregnancy. Weir RJ, et al.
Scott Med J 18:64, Mar 73
Plasma renin activity in acute cerebrovascular disease: preliminary communication. Moran JH, et al.
Stroke 4:160-2, Mar-Apr 73
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. Trans Assoc Am Physicians 85:353-68, 1972
[Regulation of the renin-angiotensin system] Kimlová I, et al.
Cas Lek Cesk 112:470-4, 13 Apr 73 (Eng. Abstr.) (Cze)
[Rapid method for radio-immunochemical determination of plasma renin activity] Vincent M, et al.
Rev Eur Etud Clin Biol 17:1001-6, Dec 72 (Eng. Abstr.) (Fre)
[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)
[Renovascular hypertension: conditions of superiority of surgical treatment and their effects on various diagnostic investigations] Fournier A.
Sem Hop Paris 49:329-39, 26 Jan 73 (Eng. Abstr.) (Fre)
[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)
[Diagnosis and lateral localization of primary hyperaldosteronism] Vetter W, et al.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
[Essential hypertension: biochemical analysis--selective treatment] Bühler R, et al.
Praxis 62:489-91, 17 Apr 73 (Ger)
[Oral contraceptives and hypertension] Beckerhoff R, et al.
Schweiz Med Wochenschr 103:743-7, 19 May 73 (Eng. Abstr.) (Ger)
[Total plasma angiotensinase activity in essential hypertension] Heimgartner M, et al.
Schweiz Med Wochenschr 103:485-91, 31 Mar 73 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)
[Plasma renin activity in myocardial infarct] Kedra M, et al.
Minerva Med 64:395-8, 24 Feb 73 (Eng. Abstr.) (Ita)
[Plasma renin activity and catecholamine excretion in acute myocardial infarct] Januszewicz W, et al.
Kardiol Pol 15:357-63, 1972 (Eng. Abstr.) (Pol)
[Nephrologic problems in pregnancy] Kuczyńska-Sicińska J.
Pol Arch Med Wewn 50:221-6, Feb 73 (Pol)
[Plasma renin activity and urinary excretion of catecholamines and vanilmandelic acid in cases of myocardial infarct] Kędrowa S, et al.
Pol Tyg Lek 28:276-9, 19 Feb 73 (Eng. Abstr.) (Pol)
[Errors in the diagnosis of primary hyperaldosteronism] Smolenskiĭ VS, et al.
Klin Med (Mosk) 51:94-9, Apr 73 (Eng. Abstr.) (Rus)

METABOLISM

Transfer of rabbit uterine renin to autologous tissues placed in contact with the uterus. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 81:125-36, Mar 73
Angiotensin I conversion in the kidney and its modulation by sodium balance. Merrill JE, et al.
Am J Physiol 224:1104-8, May 73
Renin-angiotensin system in primitive bony fishes and a holocephalian. Nishimura H, et al.
Am J Physiol 224:950-6, Apr 73
Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73
Substrate requirements for angiotensin I conversion in vivo and in vitro. Oparil S, et al.
Circ Res 32:415-23, Apr 73
Disappearance of endogenous renin from the circulation after nephrectomy in previously hepatectomized or colonectomized dogs. Amery A, et al. J Endocrinol 56:259-65, Feb 73
Exchangeable sodium and renin in hypertension. Wardle EN. Lancet 809:934-5, 28 Apr 73
Laboratory evaluation of hypertension: renal mechanisms. Simon NM.
Proc Inst Med Chic 29:282-3, Mar-Apr 73
Regulation of the in vitro synthesis of angiotensin I. Goldstein DJ, et al.
Proc Soc Exp Biol Med 142:793-5, Mar 73
Reaction of endogenous renin with exogenous renin substrate within the isolate perfused rat kidney. Hofbauer KG, et al.
Proc Soc Exp Biol Med 142:796-9, Mar 73
Uranyl nitrate induced acute renal failure in the rat: effect of varying doses and saline loading. Ryan R, et al. Proc Soc Exp Biol Med 143:289-96, May 73
[Arterial hypertension and mineralocorticoids] Molinatti GM, et al.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Eng. Abstr.) (Fre)
[Hemodynamic aspects of 5 cases of renal arteriovenous fistulae with arterial hypertension. Critical study of the renal ischemia concept] Guedon J, et al. J Urol Nephrol (Paris) 78:748-50, Sep 72 (Fre)
[Neural regulation of renal hemodynamics, water and sodium excretion] Pogglitsch H.
Wien Med Wochenschr 123:Suppl 3:2-16, 1973 (302 ref.) (Ger)
[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al.
Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Plasma volume, extracellular fluid volume and exchangeable sodium concentrations in the New Zealand strain of genetically hypertensive rat. Gresson CR, et al. Clin Sci 44:349-58, Apr 73
Prevention by angiotensin II antiserum of drinking induced by intracranial angiotensin. Epstein AN, et al.
J Physiol (Lond) 230:42P-43P, Apr 73
Reaction of endogenous renin with exogenous renin substrate within the isolate perfused rat kidney. Hofbauer KG, et al.
Proc Soc Exp Biol Med 142:796-9, Mar 73

PHYSIOLOGY

The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S.
Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)
Plasma aldosterone regulation in anephric man. Walker WG, et al. Kidney Int 3:1-5, Jan 73
Kinins and blood-pressure. Lancet 1:585-6, 17 Mar 73
[Regulation of the renin-angiotensin system] Kimlová I, et al.
Cas Lek Cesk 112:470-4, 13 Apr 73 (Eng. Abstr.) (Cze)

RADIATION EFFECTS

X-ray inactivation in solution of rennin from Mucor pusillus. Kovács-Proszt G, et al.
Radiat Res 53:444-54, Mar 73

SECRETION

Mechanism of action of antiotensin II and antidiuretic hormone on renin secretion. Shade RE, et al.
Am J Physiol 224:926-9, Apr 73
Renovascular hypertension. Bourgoignie J, et al.
Arch Intern Med 131:596-601, Apr 73
Primary excess and deficiency or renin.
Br Med J 1:627-8, 17 Mar 73
The effect in man of (+)-propranolol and racemic propranolol on renin secretion stimulated by orthostatic stress. Tobert JA, et al.
Clin Sci 44:291-5, Mar 73
The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S.
Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. J Urol 109:349-55, Mar 73
The effect of potassium infusion on proximal sodium reabsorption and renin release in the dog. Schneider EG, et al. Kidney Int 2:197-202, Oct 72
Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73
Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al.
Psychosom Med 35:143-54, Mar-Apr 73

Effects of hemorrhage and furosemide on renin release in dogs. Ajzen H, et al.
Rev Bras Pesqui Med Biol 5:243-9, Sep-Dec 72 (Eng. Abstr.) (Por)

Some factors controlling the secretion of antidiuretic hormone and renin. Malvin RL.
Rev Invest Clin 24:317-28, Oct-Dec 72

Plasma renin activity in acute cerebrovascular disease: preliminary communication. Moran JH, et al.
Stroke 4:160-2, Mar-Apr 73

[Renin producing tumors]
Rev Clin Esp 128:357-8, 28 Feb 73 (Spa)

THERAPEUTIC USE

[Use of proteolytic enzymes in the treatment of inflammatory diseases of the soft tissues] Chudakov MI, et al.
Khirurgiia (Mosk) 49:87-91, Feb 72 (Eng. Abstr.) (Rus)

SPIRONOLACTONE

The improvement of specificity in radioimmunoassays. Phillips AP. Clin Chim Acta 44:333-40, 30 Mar 73

ADMINISTRATION & DOSAGE

[Aldosterone-antagonists in heart surgery. Influence of the pre- and post-operative treatment using specific aldosterone-antagonists] Beyer J, et al.
Fortschr Med 91:328-34, 15 Mar 73 (Ger)

[Effect of intravenous aldactone administration on cations and acid-base equilibrium] Gross W, et al.
Fortschr Med 90:Suppl:1077-8, 19 Oct 72 (Ger)

ADVERSE EFFECTS

Amiloride in primary hyperaldosteronism with chronic peptic ulceration. Kremer D, et al.
Br Med J 2:216-7, 28 Apr 73

ANALYSIS

Cerebral uptake of a 3 H-labelled spirolactone compound in the dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73

CEREBROSPINAL FLUID

Cerebral uptake of a 3 H-labelled spirolactone compound in the dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73

METABOLISM

Preparation of metabolites of spironolactone by microbial oxygenation. Marsheck WJ, et al.
Appl Microbiol 25:647-9, Apr 73

Cerebral uptake of a 3 H-labelled spirolactone compound in the dog. Schmiedek P, et al.
Eur J Pharmacol 21:238-41, Feb 73

PHARMACODYNAMICS

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR.
Life Sci [I] 11:461-73, 15 May 72

On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erhler HC. Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973

Protection by catatoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Selye H, et al.
Steroids Lipids Res 3:156-9, 1972

Complex formation by 3 H-aldosterone in rat kidney and liver. Morris DJ, et al. Steroids 21:383-96, Mar 73

[Aldosterone-antagonists in heart surgery. Influence of the pre- and post-operative treatment using specific aldosterone-antagonists] Beyer J, et al.
Fortschr Med 91:328-34, 15 Mar 73 (Ger)

[PHA-stimulation of blood lymphocytes in patients with multiple sclerosis during combined therapy with aldosterone and spirolactone derivatives] Winnewisser M, et al.
Klin Wochenschr 51:286-7, 15 Mar 73 (Eng. Abstr.) (Ger)

[Bile secretion and I 131 BSP excretion of the gallbladder as influenced by spirolactone in animal experiment] Gerstner L, et al.
Z Gastroenterol 10:555-60, Nov 72 (Ger)

THERAPEUTIC USE

How to treat arterial hypertension. Finnerty FA Jr.
Am Fam Physician 7:99-108, Apr 73

Volume-dependent essential and steroid hypertension. Dustan HP, et al. Am J Cardiol 31:606-15, May 73

Similar effects of hydrochlorothiazide and spironolactone on plasma renin activity in essential hypertension. Acchiardo S, et al.
Cleve Clin Q 39:153-62, Winter 72

Problems in therapy for the hypertensive patient. Kim KE, et al. Geriatrics 28:122-8, Mar 73

Blood "cortisol" levels from spironolactone. Tashima CK. JAMA 224:1188, 21 May 73

Mountain sickness in the Australian alps. Sutton J, et al.
Med J Aust 1:545-6, 17 Mar 73

Significance of hypokalaemia due to diuretics. Leemhuis MP, et al. Neth J Med 16:18-28, 1973 (89 ref.)

Total exchangeable potassium, sodium and chloride in patients with severe valvular heart disease during preparation for cardiac surgery. Olesen KH, et al.
Scand J Thorac Cardiovasc Surg 7:37-44, 1973

[Bartter's syndrome in adults. Case report with light- and electron-microscopic findings] Schmidt P, et al.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Eng. Abstr.) (Ger)

[Aldosterone-antagonists in heart surgery. Influence of the pre- and post-operative treatment using specific aldosterone-antagonists] Beyer J, et al.
Fortschr Med 91:328-34, 15 Mar 73 (Ger)

[PHA-stimulation of blood lymphocytes in patients with multiple sclerosis during combined therapy with aldosterone and spirolactone derivatives] Winnewisser M, et al.
Klin Wochenschr 51:286-7, 15 Mar 73 (Eng. Abstr.) (Ger)

[Therapeutic value of the aldosterone antagonist potassium canrenoate in digitalis intoxication (clinical studies at an internal intensive ward)] Krámer KD, et al. Med Welt 24:462-4, 23 Mar 73 (Ger)

[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

[Use of F. X. Bsteh's ascite hutton filter] Bsteh O, et al.
Zentralbl Chir 98:71-4, 12 Jan 73 (Ger)

[Treatment of acute hepatic insufficiency (a survey of the literature)] Ilinich VK, et al.
Voen Med Zh 12:33-7, Dec 72 (Rus)

[The effect of aldactone on aldosterone excretion and mineral metabolism in chronic cor pulmonale] Shvets LV. Vrach Delo 12:40-3, Dec 72 (Eng. Abstr.) (Rus)

TRANSCORTIN

Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al.
Biochim Biophys Acta 297:142-54, 24 Jan 73

[Glycoproteins of the human plasma] Schwick HG, et al.
Wien Klin Wochenschr 85:213-6, 6 Apr 73 (28 ref.) (Eng. Abstr.) (Ger)

BLOOD

Plasma cortisol-binding capacity in mental illness. King DJ. Psychol Med 5:53-65, Feb 73

[17-oxycorticosteroids in the blood and hydrocortisone binding by plasma transcortin in late pregnancy toxemias] Smirnova LI.
Vopr Okhr Materin Det 17:85, Oct 72 (Rus)

DIAGNOSTIC USE

Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. Clin Chem 19:511-5, May 73

METABOLISM

The rate constants for the interaction of cortisol and transcortin, and the rate of dissociation of

transcortin-bound cortisol in the liver. Paterson JY.
J Endocrinol 56:551-70, Mar 73
Plasma cortisol-binding capacity in mental illness. King DJ. Psychol Med 5:53-65, Feb 73

PHARMACODYNAMICS

The role of transcortin in the regulation of corticotrophin secretion. Acs Z, et al.
J Endocrinol 56:317-8, Feb 73

ADRENAL MEDULLA

Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis. Gershanik JJ, et al. **Pediatrics** 51:705-9, Apr 73

[Some aspects of the clinical picture, diagnosis and treatment of pheochromocytoma] Stankusheva T, et al.
Khirurgiia (Sofiia) 26:40-5, 1973 (Eng. Abstr.) **(Bul)**

ANALYSIS

Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles. Hörtnagl H, et al.
J Neurochem 20:977-85, Apr 73

[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) **(Jap)**

ANATOMY & HISTOLOGY

On the occurrence of lymphatic vessels in the adrenal gland of the white rat. Verbofstad AA, et al.
Acta Anat (Basel) 84:475-83, 1973

CYTOLOGY

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. **Anat Rec** 175:607-23, Mar 73

Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. **Biochem Pharmacol** 22:549-60, 1 Mar 73

Neuronal differentiation in human fetal adrenal medulla. Hervonen A, et al.
Int J Neurosci 5:43-6, Jan 73

Depletion and repletion of adrenal dopamine--hydroxylase after reserpine. Immunohistochemical and fine structural correlates. Frydman R, et al.
J Histochem Cytochem 21:166-74, Feb 73

Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles. Hörtnagl H, et al.
J Neurochem 20:977-85, Apr 73

[The different picture of organ-specific structures in the carotid body and adrenal medulla] Matthiessen D, et al.
Z Zellforsch Mikrosk Anat 138:133-54, 21 Mar 73 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Direct stimulant effect of aminophylline on catecholamine release from the adrenal medulla. Poisner AM. **Biochem Pharmacol** 22:469-76, 15 Feb 73

Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. **Biochem Pharmacol** 22:549-60, 1 Mar 73

Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. **Eur J Pharmacol** 21:222-9, Feb 73

Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla. Götbert M, et al.
Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973

EMBRYOLOGY

Neuronal differentiation in human fetal adrenal medulla. Hervonen A, et al.
Int J Neurosci 5:43-6, Jan 73

[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) **(Jap)**

ENZYMOLOGY

The effects of univalent anions on catecholamine fluxes and adenosine triphosphatase activity in storage vesicles from the adrenal medulla. Taugner G.
Biochem J 130:969-73, Dec 72

Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. **Biochem Pharmacol** 22:549-60, 1 Mar 73

Effect of 9 -tetrahydrocannabinol on immobilization-induced changes in rat adrenal medullary enzymes. Lamprecht F, et al.
Eur J Pharmacol 21:249-51, Feb 73

Depletion and repletion of adrenal dopamine--hydroxylase after reserpine. Immunohistochemical and fine structural correlates. Frydman R, et al.
J Histochem Cytochem 21:166-74, Feb 73

The quantitative histochemistry of the sympathoadrenal system. I. Enzymes of glycolysis. Nelson JS, et al.
J Histochem Cytochem 21:184-8, Feb 73

Influence of isolation and of fighting on adrenal tyrosine hydroxylase and phenylethanolamine-N-methyltransferase activities in three strains of mice. Maengwyn-Davies GD, et al.
Psychopharmacologia 28:339-50, 20 Feb 73

INNERVATION

Neuronal differentiation in human fetal adrenal medulla. Hervonen A, et al.
Int J Neurosci 5:43-6, Jan 73

METABOLISM

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. **Anat Rec** 175:607-23, Mar 73

The effects of univalent anions on catecholamine fluxes and adenosine triphosphatase activity in storage vesicles from the adrenal medulla. Taugner G.
Biochem J 130:969-73, Dec 72

Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. **Biochem Pharmacol** 22:549-60, 1 Mar 73

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 18-1973.
N Engl J Med 288:957-63, 3 May 73

PHYSIOLOGY

Control of rat adipose tissue metabolism by cortisone in relation to epinephrine. Mukherjee SP, et al.
Am J Physiol 224:898-903, Apr 73

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972

Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Chatterton RT Jr, et al.
Endocrinology 92:775-87, Mar 73

Natriuretic "hormone" and the renal prostaglandins. Lee JB. **Prostaglandins** 1:55-70, Jan 72

[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) **(Jap)**

[A negative correlation between the level of noradrenaline and intracellular sodium in the rat heart during corticosteroid metabolic changes] Rasin MS. **Fiziol Zh** 19:234-7, Mar-Apr 73 **(Ukr)**

PHYSIOPATHOLOGY

Investigation of the urinary metabolite of the catecholamines in symptomatic and asymptomatic asthma patients. Vaccarezza JR, et al.
Ann Allergy 31:178-81, Apr 73

The metabolic and endocrine response to injury: a

review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)
Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73
[Experimental study of the effects of alarm stimuli in rats] Zucoloto S, et al.
Rev Bras Pesqui Med Biol 5:171-9, Sep-Dec 72 (Eng. Abstr.) (Por)
[Functional changes in the sympathetic-adrenal system with late toxicoses of pregnancy] Bakshelev MS, et al.
Pediatr Akush Ginekol 1:33-6, Jan-Feb 72 (Ukr)

SECRETION

Direct stimulant effect of aminophylline on catecholamine release from the adrenal medulla. Poisner AM. Biochem Pharmacol 22:469-76, 15 Feb 73
Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla. Göthert M, et al.
Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973

ADRENOCHROME

PHARMACODYNAMICS

[Effect of factors changing catecholamine metabolism on the dynamics of nonesterified fatty acids in the liver and blood] Menisov AK.
Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

CATECHOLAMINES

Phaeochromocytoma with catecholamine cardiomyopathy successfully treated surgically. Armstrong BK, et al. Aust NZ J Med 2:402-4, Nov 72
Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972
Neuronal differentiation in human fetal adrenal medulla. Hervonen A, et al.
Int J Neurosci 5:43-6, Jan 73
Depletion and repletion of adrenal dopamine--hydroxylase after reserpine. Immunohistochemical and fine structural correlates. Frydman R, et al.
J Histochem Cytochem 21:166-74, Feb 73

ADVERSE EFFECTS

Corticoids and respiratory distress. Holm WW.
Pediatrics 51:955-6, May 73

ANALYSIS

Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73
[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Aspects of free fatty acid metabolism during induced hypothermia. Nesbakken R.
Scand J Clin Lab Invest 31:Suppl 131:1-72, 1973

BIOSYNTHESIS

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972
Plasma catecholamine and dopamine -hydroxylase amounts in phaeochromocytoma. Geffen LB, et al.
Clin Sci 44:421-4, Apr 73
[Effect of vibration of catecholamine content in the brain, adrenals and spleen] Gol abek W.
Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Eng. Abstr.) (Pol)

BLOOD

Plasma catecholamine and dopamine -hydroxylase amounts in phaeochromocytoma. Geffen LB, et al.
Clin Sci 44:421-4, Apr 73
Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. Eur J Pharmacol 21:222-9, Feb 73
[A case of pheochromocytoma fortuitously revealed during ethionamide treatment] Robeyns P, et al.
Ann Endocrinol (Paris) 33:548-54, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matilna ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. Anat Rec 175:607-23, Mar 73
The effects of univalent anions on catecholamine fluxes and adenosine triphosphatase activity in storage vesicles from the adrenal medulla. Taugner G.
Biochem J 130:969-73, Dec 72
Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. Biochem Pharmacol 22:549-60, 1 Mar 73
Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. Eur J Pharmacol 21:222-9, Feb 73
Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles. Hörtnagl H, et al.
J Neurochem 20:977-85, Apr 73
Catecholamines: strain differences in biosynthetic enzyme activity in mice. Ciaranello RD, et al.
Life Sci [I] 11:565-72, 15 Jun 72
Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. Toxicol Appl Pharmacol 24:468-73, Mar 73
[Alpha-methyl -para-tyrosine in the prolonged treatment of malignant pheochromocytoma and preoperative care of benign pheochromocytoma: preliminary study] Tcherdakoff P, et al.
J Urol Nephrol (Paris) 78:744-7, Sep 72 (Fre)
[Effect of vibration of catecholamine content in the brain, adrenals and spleen] Gol abek W.
Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Eng. Abstr.) (Pol)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matilna ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Effect of factors changing catecholamine metabolism on the dynamics of nonesterified fatty acids in the liver and blood] Menisov AK.
Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Investigations on the mode of action of endogenous mediator. Kampschmidt RF, et al.
Proc Soc Exp Biol Med 143:279-83, May 73

SECRETION

Direct stimulant effect of aminophylline on catecholamine release from the adrenal medulla. Poisner AM. Biochem Pharmacol 22:469-76, 15 Feb 73
Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla. Göthert M, et al.
Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973
[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)

URINE

[Experimental study of the effects of alarm stimuli in rats] Zucoloto S, et al.
Rev Bras Pesqui Med Biol 5:171-9, Sep-Dec 72 (Eng. Abstr.) (Por)
[Functional changes in the sympathetic-adrenal system with late toxicoses of pregnancy] Bakshelev MS, et al.
Pediatr Akush Ginekol 1:33-6, Jan-Feb 72 (Ukr)

CHROMAFFIN SYSTEM

Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment. Scharf Y, et al. **Cancer 31:746-50, Mar 73**

[Pheochromocytoma originating in Zuckerkandl's organ] Czekala Z.
Pol Przegl Radiol 37:139-42, Jan-Feh 73 (Eng. Ahstr.) (Pol)

CYTOLOGY

Depletion and repletion of adrenal dopamine--hydroxylase after reserpine. Immunohistochemical and fine structural correlates. Frydman R, et al.
J Histochem Cytochem 21:166-74, Feh 73

ENZYMOLOGY

Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles. Hörtnagl H, et al.
J Neurochem 20:977-85, Apr 73

IMMUNOLOGY

Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles. Hörtnagl H, et al.
J Neurochem 20:977-85, Apr 73

PATHOLOGY

[Cyanochrome-granular degeneration of hrown fat tissue in man] Feyrter F.
Beitr Gerichtl Med 30:97-108, 1973 (Eng. Abstr.) (Ger)

DOPA

BIOSYNTHESIS

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972

Catecholamines: strain differences in biosynthetic enzyme activity in mice. Ciaranello RD, et al.
Life Sci [I] 11:565-72, 15 Jun 72

BLOOD

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feh 73 (Eng. Ahstr.) (Rus)

METABOLISM

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al.
Ciba Found Symp 8:225-46, 1972

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feh 73 (Eng. Ahstr.) (Rus)

PHARMACODYNAMICS

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feh 73 (Eng. Ahstr.) (Rus)

DOPAMINE

ANALYSIS

Brain amine and adrenal enzyme levels in aggressive, bulhectomized rats. Eichelman B, et al.
Physiol Behav 9:483-5, Sep 72

Pituitary-adrenal activity and depletion of hrain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73

METABOLISM

Adrenal and striatal tyrosine hydroxylase activity after methamphetamine. Koda LY, et al.
J Pharmacol Exp Ther 185:42-8, Apr 73

The adrenal dopamine as an indicator of adrenomedullary hormone hiosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72

EPINEPHRINE

Interactions hetween diphenylhydantoin and tolbutamide in mice. Mennear JH, et al.
Toxicol Appl Pharmacol 24:309-16, Feh 73

ANALYSIS

Role of adrenal cortex and medulla in hypertension. Aoki K, et al. **Nature [New Biol] 241:122-3, 24 Jan 73**

[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feh 73 (64 ref.) (Jap)

BIOSYNTHESIS

Catecholamines: strain differences in hiosynthetic enzyme activity in mice. Ciaranello RD, et al.
Life Sci [I] 11:565-72, 15 Jun 72

BLOOD

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla. Göthert M, et al.
Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973

Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. **Proc Soc Exp Biol Med 143:39-43, May 73**

[Action of an inhihitor of corticoid synthesis, metyrapone, on the plasma levels of adrenalin, noradrenalin, hiood sugar and liver glycogen in rats] Parvez H, et al.
Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)

[Effect of DOPA administration on catecholamine metaholism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feh 73 (Eng. Abstr.) (Rus)

METABOLISM

Investigation of the urinary metabolite of the catecholamines in symptomatic and asymptomatic asthma patients. Vaccarezza JR, et al.
Ann Allergy 31:178-81, Apr 73

Effects of reserpine on the content and properties of rat adrenal medullary storage vesicles. Slotkin TA, et al. **Biochem Pharmacol 22:549-60, 1 Mar 73**

The metaholic and endocrine response to injury: a review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)

The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72

Vinhlastine and vincristine: a study of their action on tissue concentrations of epinephrine, norephinephrine and acetylcholine. Cheney DL, et al.
Neuropharmacology 12:233-8, Mar 73

Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. **Toxicol Appl Pharmacol 24:468-73, Mar 73**

[Effect of vihration of catecholamine content in the hrain, adrenals and spleen] Gol abek W.
Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Eng. Abstr.) (Pol)

[Effect of DOPA administration on catecholamine metaholism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feh 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Control of rat adipose tissue metaholism hy cortisone in relation to epinephrine. Mukherjee SP, et al. Am J Physiol 224:898-903, Apr 73
The cardiovascular actions of nicotine in the rat. Sutton I, et al. Arch Int Pharmacodyn Ther 202:5-16, Mar 73
Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al. Biochim Biophys Acta 304:203-9, 30 Mar 73
Effect of 2-deoxy-D-glucose on insulin response to glucose in intact and adrenalectomized monkeys. Smith GP, et al. Endocrinology 92:750-4, Mar 73
Effect of adrenalectomy and hypophysectomy on the circadian rhythm of -hydroxy- -methylglutaryl coenzyme A reductase activity in rat liver. Edwards PA. J Biol Chem 248:2912-7, 25 Apr 73
Assay of phenylethanolamine N-methyltransferase. Burke WJ, et al. Proc Soc Exp Biol Med 142:928-32, Mar 73
Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skehel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72
[Effect of factors changing catecholamine metabolism on the dynamics of nonesterified fatty acids in the liver and blood] Menisov AK. Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Control of rat adipose tissue metaholism hy cortisone in relation to epinephrine. Mukherjee SP, et al. Am J Physiol 224:898-903, Apr 73

SECRETION

Hemorrhage as a stimulus to adrenal epinephrine secretion. Carey LC, et al. Bull Soc Int Chir 31:393-401, Sep-Oct 72
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73

URINE

Factors influencing the urinary excretion of free catecholamines in man. Townshend MM, et al. Clin Sci 44:253-65, Mar 73
Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al. J Surg Res 14:177-80, Mar 73
Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al. Proc Soc Exp Biol Med 142:1295-300, Apr 73

HYDROXYDOPAMINE

Sympathetic nervous system and deoxycorticosterone-saline hypertension. Clarke DE. Circ Res 32:536-7, Apr 73

PHARMACODYNAMICS

Central cardiovascular effects of intracerebroventricular propranolol. Srivastava RK, et al. Eur J Pharmacol 21:222-9, Feb 73
Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al. Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73

NOREPINEPHRINE

ANALYSIS

Role of adrenal cortex and medulla in hypertension. Aoki K, et al. Nature [New Biol] 241:122-3, 24 Jan 73
Brain amine and adrenal enzyme levels in aggressive, hulbectomized rats. Eichelman B, et al. Physiol Behav 9:483-5, Sep 72
Pituitary-adrenal activity and depletion of brain catecholamines after central administration of 6-hydroxydopamine. Kaplanski J, et al. Res Commun Chem Pathol Pharmacol 5:263-71, Mar 73
[Adrenal medulla] Nakai T, et al. Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)
[A negative correlation between the level of noradrenaline and intracellular sodium in the rat heart during corticosteroid metabolic changes] Rasin MS. Fiziol Zh 19:234-7, Mar-Apr 73 (Ukr)

BIOSYNTHESIS

Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Henry JP, et al. Ciba Found Symp 8:225-46, 1972
Catecholamines: strain differences in biosynthetic enzyme activity in mice. Ciaranello RD, et al. Life Sci [I] 11:565-72, 15 Jun 72
Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al. Proc Soc Exp Biol Med 142:1295-300, Apr 73

BLOOD

Endocrine responses to anaesthetic agents. Oyama T. Br J Anaesth 45:276-81, Mar 73 (82 ref.)
Plasma catecholamine and dopamine -hydroxylase amounts in phaeochromocytoma. Geffen LB, et al. Clin Sci 44:421-4, Apr 73
Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla. Göthert M, et al. Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73
[Action of an inhibitor of corticoid synthesis, metyrapone, on the plasma levels of adrenalin, noradrenalin, blood sugar and liver glycogen in rats] Parvez H, et al. Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al. Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

Investigation of the urinary metabolite of the catecholamines in symptomatic and asymptomatic asthma patients. Vaccarezza JR, et al. Ann Allergy 31:178-81, Apr 73
Lack of antihypertensive effects of chronic administration of DL-propranolol in Grollman rats. Menard J, et al. Arch Int Pharmacodyn Ther 202:298-303, Apr 73
Adrenal and striatal tyrosine hydroxylase activity after methamphetamine. Koda LY, et al. J Pharmacol Exp Ther 185:42-8, Apr 73
The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Snider SR, et al. Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72
Vinblastine and vincristine: a study of their action on tissue concentrations of epinephrine, norephinephrine and acetylcholine. Cheney DL, et al. Neuropharmacology 12:233-8, Mar 73
Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al. Proc Soc Exp Biol Med 142:1295-300, Apr 73
Effect of sodium fluoride on catecholamine concentrations in tissues from developing rats. Cheon YS, et al. Toxicol Appl Pharmacol 24:468-73, Mar 73
[Effect of vibration of catecholamine content in the brain, adrenals and spleen] Gol abek W. Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Eng. Abstr.) (Pol)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al. Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The cardiovascular actions of nicotine in the rat. Sutton I, et al. Arch Int Pharmacodyn Ther 202:5-16, Mar 73
Effects of antilipolytic agents on glucose utilization by adipose tissue. Bizzi A, et al. Biochem Pharmacol 22:763-8, 15 Mar 73

SECRETION

Hemorrhage as a stimulus to adrenal epinephrine secretion. Carey LC, et al.
Bull Soc Int Chir 31:393-401, Sep-Oct 72
Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog. Brecht HM, et al. Proc Soc Exp Biol Med 143:39-43, May 73

URINE

Factors influencing the urinary excretion of free catecholamines in man. Townshend MM, et al. Clin Sci 44:253-65, Mar 73
Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al.
J Surg Res 14:177-80, Mar 73
Effect of aminoglutethimide on norepinephrine turnover in the rat heart. Westfall TC, et al. Proc Soc Exp Biol Med 142:1295-300, Apr 73

NORMETANEPHRINE

BLOOD

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

URINE

Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al.
J Surg Res 14:177-80, Mar 73

PHEOCHROMOCYTOMA

Chemodectoma in pregnancy. Wilson EA.
S Afr J Surg 10:237, Dec 72
[Some aspects of the clinical picture, diagnosis and treatment of pheochromocytoma] Stankusheva T, et al.
Khirurgiia (Sofiia) 26:40-5, 1973 (Eng. Abstr.) (Bul)
[Pheochromocytoma originating in Zuckerkandl's organ] Czekala Z.
Pol Przegl Radiol 37:139-42, Jan-Feb 73 (Eng. Abstr.) (Pol)

BLOOD

Plasma catecholamine and dopamine -hydroxylase amounts in phaeochromocytoma. Geffen LB, et al.
Clin Sci 44:421-4, Apr 73
Factors influencing the urinary excretion of free catecholamines in man. Townshend MM, et al.
Clin Sci 44:253-65, Mar 73

COMPLICATIONS

Neurofibromatosis associated with malignant neurofibromas. Knight WA 3d, et al.
Arch Dermatol 107:747-50, May 73
Phaeochromocytoma with catecholamine cardiomyopathy successfully treated surgically. Armstrong BK, et al. Aust NZ J Med 2:402-4, Nov 72
Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. J Urol 109:757-60, May 73
Association of pheochromocytomas with brown fat tumors. English JT, et al. Radiology 107:279-81, May 73
[A case of pheochromocytoma fortuitously revealed during ethionamide treatment] Robeyns P, et al.
Ann Endocrinol (Paris) 33:548-54, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Familial pheochromocytoma] Seringe P, et al.
Ann Endocrinol (Paris) 33:529-30, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Surgical treatment of pheochromocytoma] Przybyszowski A.
Pol Przegl Chir 45:481-4, Apr 73 (Eng. Abstr.) (Pol)
[Pheochromocytoma originating in Zuckerkandl's organ] Czekala Z.
Pol Przegl Radiol 37:139-42, Jan-Feb 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al.
J Surg Res 14:177-80, Mar 73
Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. J Urol 109:757-60, May 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. N Engl J Med 288:1010-8, 10 May 73
Medullary carcinoma of the thyroid gland. Dunn EL, et al. Surgery 73:848-58, Jun 73
[A case of pheochromocytoma fortuitously revealed during ethionamide treatment] Robeyns P, et al.
Ann Endocrinol (Paris) 33:548-54, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Pheochromocytomas. Apropos of 2 new cases invisible on arteriography, evident after retropneumoperitoneum] Bret P, et al.
Nouv Presse Med 2:573-4, 3 Mar 73 (Eng. Abstr.) (Fre)

DRUG THERAPY

Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment. Scharf Y, et al. Cancer 31:746-50, Mar 73
[Alpha-methyl -para-tyrosine in the prolonged treatment of malignant pheochromocytoma and preoperative care of benign pheochromocytoma: preliminary study] Tcherdakoff P, et al.
J Urol Nephrol (Paris) 78:744-7, Sep 72 (Fre)

FAMILIAL & GENETIC

Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73
[Familial pheochromocytoma] Seringe P, et al.
Ann Endocrinol (Paris) 33:529-30, Sep-Oct 72 (Eng. Abstr.) (Fre)

METABOLISM

[Relationship between sweat, sodium and potassium excretion and the renin-angiotensin-aldosterone system in hypertension] Rosset G.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 (Eng. Abstr.) (Fre)

MORTALITY

Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment. Scharf Y, et al. Cancer 31:746-50, Mar 73

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. N Engl J Med 288:1010-8, 10 May 73
[Cyanochrome-granular degeneration of brown fat tissue in man] Feyrter F.
Beitr Gerichtl Med 30:97-108, 1973 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma. Nakada T, et al. J Urol 109:757-60, May 73

Association of pheochromocytomas with brown fat tumors. English JT, et al. Radiology 107:279-81, May 73

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73

[Extended suprarenal diagnostics by selective phlebography (methods, significance and indication)] Müller JH.
Radiol Diagn (Berl) 13:763-71, 1972 (Eng. Abstr.) (Ger)

[Pheochromocytoma diagnosed by transparietal renal phlebography] Gilsanz V, et al.
Rev Clin Esp 128:425-8, 15 Mar 73 (Spa)

SURGERY

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

Phaeochromocytoma with catecholamine cardiomyopathy successfully treated surgically. Armstrong BK, et al. Aust NZ J Med 2:402-4, Nov 72

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. Castleman B, et al. N Engl J Med 288:1010-8, 10 May 73

Chemodectoma in pregnancy. Wilson EA.
S Afr J Surg 10:237, Dec 72

Surgical exposures for adrenal endocrinopathies. Flint LD. Surg Clin North Am 53:445-54, Apr 73

[Familial pheochromocytoma] Seringe P, et al.
Ann Endocrinol (Paris) 33:529-30, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Alpha-methyl -para-tyrosine in the prolonged treatment of malignant pheochromocytoma and preoperative care of benign pheochromocytoma: preliminary study] Tcherdakoff P, et al.
J Urol Nephrol (Paris) 78:744-7, Sep 72 (Fre)

[Surgical treatment of pheochromocytoma] Przybyszowski A.
Pol Przegl Chir 45:481-4, Apr 73 (Eng. Abstr.) (Pol)

URINE

Rigorous biochemical criteria for the diagnosis of pheochromocytoma. Freier DT, et al.
J Surg Res 14:177-80, Mar 73

VANILMANDELIC ACID

URINE

Investigation of the urinary metabolite of the catecholamines in symptomatic and asymptomatic asthma patients. Vaccarezza JR, et al.
Ann Allergy 31:178-81, Apr 73

1. Physical and Functional Aspects

GONADS

Fish viruses: buffers and methods for plaquing eight agents under normal atmosphere. Wolf K, et al. Appl Microbiol 25:659-64, Apr 73

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R. Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)

ABNORMALITIES

[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE. Cesk Gynekol 38:201-4, Apr 73 (Cze)

DRUG EFFECTS

The effects of Methallibure (I.C.I. 33,828) and thiourea on gametogenesis in the firetail gudgeon, Hypseleotris galii. Mackay NJ. Gen Comp Endocrinol 20:221-35, Apr 73

[Effect of several neuroleptics on the hypophyso-genital system] Tuchmann-Duplessis H. Bull Acad Natl Med (Paris) 156:536-40, 6 Jun 72 (Fre)

EMBRYOLOGY

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G. Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Fertility control and pheromones. Nayar KK. Indian J Physiol Pharmacol 16:191-2, Jul-Sep 72

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G. Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)

METABOLISM

On the role of sterol hydroperoxides in steroid metabolism. Lier JE van, et al. Biochem Soc Symp 34:21-43, 1972 (115 ref.)

PHYSIOLOGY

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al. Pediatrics 51:260-71, Feb 73 (60 ref.)

RADIATION EFFECTS

Photofluorographic measurement of the roentgen area product. Bushong S, et al. Radiology 107:673-4, Jun 73

CORPUS LUTEUM

Reproductive lifespan in irradiated and unirradiated chromosomally XO mice. Lyon MF, et al. **Genet Res 21:185-94, Apr 73**

Effect of starvation on LH levels in male and female hamsters. Howland BE, et al. **J Reprod Fertil 32:505-7, Mar 73**

Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. Jainudeen MR, et al. **J Reprod Fertil 33:151-4, Apr 73**

Pituitary inhibition of pregnancy. Hearn JP. **Nature 241:207-8, 19 Jan 73**

ANALYSIS

Fine structure and progesterone concentration in the corpus luteum of the African elephant. Ogle TF, et al. **Anat Rec 175:707-23, Apr 73**

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. **Endocrinology 92:1405-13, May 73**

Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. **J Endocrinol 55:89-96, Oct 72**

Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. **J Endocrinol 56:421-9, Mar 73**

Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al. **Steroids 21:483-96, Apr 73**

ANATOMY & HISTOLOGY

Biological activity of an indigenous plant preparation. Munshi SR, et al. **Indian J Physiol Pharmacol 16:181-9, Jul-Sep 72**

Effects of early weaning on postpartum reproduction of cows. Laster DB, et al. **J Anim Sci 36:734-40, Apr 73**

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. **J Anim Sci 36:540-5, Mar 73**

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. **J Endocrinol 57:63-744, Apr 73**

Influence of season of lambing on postpartum intervals to ovulation and oestrus in lactating and dry ewes at different nutritional levels. Hunter GL, et al. **J Reprod Fertil 32:1-8, Jan 73**

BLOOD SUPPLY

[Ultrastructural bases of vascular permeability] Voitkevich AA, et al. **Usp Sovrem Biol 74:439-60, Nov-Dec 72 (69 ref.) (Rus)**

CYTOLOGY

The fine structure of the human corpus luteum of term pregnancy. Crisp TM, et al. **Am J Obstet Gynecol 115:901-11, 1 Apr 73**

Fine structure and progesterone concentration in the corpus luteum of the African elephant. Ogle TF, et al. **Anat Rec 175:707-23, Apr 73**

Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ. **Biochim Biophys Acta 296:203-8, 19 Jan 73**

DRUG EFFECTS

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al. **Biol Reprod 8:373-87, Apr 73**

Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and hitches. Zimhelman RG, et al. **Biol Reprod 8:388-91, Apr 73**

Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. **Endocrinology 92:674-8, Mar 73**

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. **Endocrinology 92:1405-13, May 73**

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. **J Anim Sci 36:540-5, Mar 73**

Effects of methallihure on early pregnancy in swine. Schafer JH, et al. **J Anim Sci 36:722-5, Apr 73**

Induction of embryonic death in sheep by intrauterine injection of a small volume of normal saline. Bryden MM, et al. **J Reprod Fertil 32:133-5, Jan 73**

Androgenization of the female rat with androstenediol. Johnson DC. **J Reprod Fertil 32:159-61, Jan 73**

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al. **J Reprod Med 10:133-8, Mar 73 (28 ref.)**

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al. **Proc Soc Exp Biol Med 143:152-5, May 73**

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. **Prostaglandins 1:443-51, Jun 72**

[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al. **Prostaglandins 1:269-77, Apr 72**

Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al. **Prostaglandins 1:259-67, Apr 72**

The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit. O'Grady JP, et al. **Prostaglandins 1:97-106, Feb 72**

Prostaglandin F2alpha in the uterus of ewes during early pregnancy. Wilson L Jr, et al. **Prostaglandins 1:479-82, Jun 72**

[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al. **Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)**

[Effect of prostaglandin E 2 (PGE 2) on the function of the corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)**

[Clinical pharmacology of prostaglandin E 2 in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)**

ENZYMOLOGY

Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ. **Biochim Biophys Acta 296:203-8, 19 Jan 73**

The activity of some intracellular enzymes in the corpus luteum spurium of the domestic pig (sus scrofa domestica L.). Zamorska L. **Folia Histochem Cytochem (Krakow) 10:293-310, 1972**

[Pattern of enzyme activity in the corpus luteum of the cow. 2] Schuh M, et al. **Wien Tieraerztl Monatsschr 60:109-12, Feb-Mar 73 (Eng. Abstr.) (Ger)**

GROWTH & DEVELOPMENT

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. **J Endocrinol 57:63-744, Apr 73**

METABOLISM

Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ. **Biochim Biophys Acta 296:203-8, 19 Jan 73**

Steroidogenesis in ovarian follicles isolated from

rabbits before and after mating. Mills TM, et al. Endocrinology 92:788-91, Mar 73
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B. J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al. Steroids 21:483-96, Apr 73

PHYSIOLOGY

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallaby, Macropus eugenii. Lemon M. J Endocrinol 55:63-71, Oct 72
Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73
Effects of hysterectomy on corpus luteum activity in the cyclic, pseudopregnant and pregnant mouse. Dewar AD. J Reprod Fertil 33:77-89, Apr 73
The effect of partial removal of the corpora lutea on the ovarian cycle in the rat. Smalstig EB, et al. J Reprod Fertil 32:137-40, Jan 73
Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Armstrong DT, et al. Prostaglandins 1:21-8, Jan 72
Dissociation of ovulatory and steroidogenic actions of luteinizing hormone in rabbits with indomethacin, an inhibitor of prostaglandin biosynthesis. Grinwich DL, et al. Prostaglandins 1:89-96, Feb 72
Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. Prostaglandins 1:443-51, Jun 72
[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al. Prostaglandins 1:269-77, Apr 72
Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al. Prostaglandins 1:259-67, Apr 72
Prostaglandin F2alpha in the uterus of ewes during early pregnancy. Wilson L Jr, et al. Prostaglandins 1:479-82, Jun 72
[Function of corpus luteum in early pregnancy] Dyková H, et al. Cesk Gynekol 38:132-4, Apr 73 (Cze)

SECRETION

The fine structure of the human corpus luteum of term pregnancy. Crisp TM, et al. Am J Obstet Gynecol 115:901-11, 1 Apr 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 808:888, 21 Apr 73

GRAAFIAN FOLLICLE

Cell polarography. II. Effect of neuraminidase and follicular fluid upon the surface characteristics of human spermatozoa. Rosado A, et al. Fertil Steril 24:349-54, May 73
The value of a cervical score in the assessment of ovarian function. Flynn AM, et al. J Obstet Gynaecol Br Commonw 80:152-9, Feb 73
Ovarian venous blood PO 2 , PCO 2 and pH in women. Fraser IS, et al. J Reprod Fertil 33:11-7, Apr 73
Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. Jainudeen MR, et al. J Reprod Fertil 33:151-4, Apr 73
[Lytic effect of various fluids from the sexual tract of cattle and swine on hen erythrocytes] Petrovský E, et al. Vet Med (Praha) 18:53-62, Jan 73 (Eng. Abstr.) (Cze)

ANATOMY & HISTOLOGY

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. J Anim Sci 36:540-5, Mar 73
Rates of ovulation and oviposition in growth selected lines of chickens. Udale RW, et al. Poult Sci 51:2098-100, Nov 72

CYTOLOGY

Changes in the fine structure of the ovarian follicle of the toad (Bufo bufo) Prior to induced ovulation. Thornton VF, et al. Gen Comp Endocrinol 20:413-23, Apr 73
Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. J Med Primatol 1:318-25, 1972

DRUG EFFECTS

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al. Biochim Biophys Acta 304:197-202, 30 Mar 73
Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. J Anim Sci 36:540-5, Mar 73
In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73

ENZYMOLOGY

Enzyme activity in the fluid of the human ovarian follicle. Caucig H, et al. Gynecol Invest 3:215-20, 1972

GROWTH & DEVELOPMENT

Effect of unilateral ovariectomy on follicular growth in hypophysectomized rats treated with pregnant mare serum gonadotrophin. Welschen R. J Endocrinol 55:227-8, Oct 72
Relationship of the vaginal smear to ovarian follicles and the uterus in postpartum Mongolian gerbils. Meckley PE, et al. Lab Anim Sci 23:221-5, Apr 73
Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72

IMMUNOLOGY

Localization of tissue-specific antigens in the rabbit ovary, oviduct and uterus by the fluorescent antibody technique. Sacco AG, et al. J Reprod Fertil 32:415-20, Mar 73

METABOLISM

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al. Biochim Biophys Acta 304:197-202, 30 Mar 73
Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al. Endocrinology 92:788-91, Mar 73
In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73

PHYSIOLOGY

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al. Biochim Biophys Acta 304:197-202, 30 Mar 73
[Morphologic and enzymologic study of the ovary during the annual cycle in lerots (Eliomys quercinus L)] Richoux JP, et al. C R Soc Biol (Paris) 166:1081-3, 1972 (Fre)

PHYSIOPATHOLOGY

Development of the germ cells in the ovary of the mule and hinny. Taylor MJ, et al. J Reprod Fertil 32:441-5, Mar 73

RADIATION EFFECTS

Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. J Med Primatol 1:318-25, 1972

SECRETION

Oestrogen production by individual follicles explanted

from ovaries of sheep. Moor RM.
J Reprod Fertil 32:545-8, Mar 73

OVARY

An artificial conduit for the collection of ova in the rabbit. Taylor RM, et al.
Aust NZ J Obstet Gynaecol 12:198-201, Aug 72
Early effects of oestradiol-17 on the chromatin and activity of the deoxyribonucleic acid-dependent ribonucleic acid polymerases (I and II) of the rat uterus. Glasser SR, et al. Biochem J 130:947-57, Dec 72
Response of mammalian cells following treatment with bleomycin and 1,3-bis(2-chloroethyl)-1-nitrosourea during plateau phase. Barranco SC, et al.
Cancer Res 33:691-4, Apr 73
Plasma gonadotropin levels during early stages of ovarian tumorigenesis in mice of the W x -W u genotype. Murphy ED, et al.
Cancer Res 33:721-3, Apr 73
Nucleotides and nucleotide sugars in early development of Bufo arenarum. I. Mature oocytes. Fernández de Recondo ME, et al.
Carbohydr Res 26:365-75, Feb 73
Morphology and growth rate changes in Chinese hamster cells cultured in presence of sodium butyrate. Wright JA. Exp Cell Res 78:456-60, Apr 73
Life-cycle dependence of repair of potentially-lethal radiation damage. Little JB, et al.
Int J Radiat Biol 23:401-7, Apr 73
Changes in surface morphology of Chinese hamster ovary cells during the cell cycle. Porter K, et al.
J Cell Biol 57:815-36, Jun 73
The effect of cell-to-cell contact on the surface morphology of Chinese hamster ovary cells. Rubin RW, et al. J Cell Biol 57:837-44, Jun 73
Brief communication: strain dependency of hormonally activated C-type RNA tumor virus markers in mice. Fowler AK, et al. J Natl Cancer Inst 50:1057-9, Apr 73
Oestrogen production by individual follicles explanted from ovaries of sheep. Moor RM.
J Reprod Fertil 32:545-8, Mar 73
Identification of the vesicular stomatitis virus large protein as a unique viral protein. Stampfer M, et al.
J Virol 11:520-6, Apr 73
Radiation-induced cycle delay in synchronized Chinese hamster cells: comparison between DNA synthesis and division. Leeper DB, et al.
Radiat Res 53:326-37, Feb 73
[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Hormonal myelopathy (clinico-pathomorphologic study)] German DG, et al.
Zh Nevropatol Psikhiatr 12:1801-8, 1972 (Eng. Abstr.) (Rus)

ABNORMALITIES

[Syndrome of testicular feminization and the Mayer-Rokitansky-Küster-Syndrome. A comparison] Schmid-Tannwald I, et al.
Geburtshilfe Frauenheilkd 33:194-8, Mar 73 (Eng. Abstr.) (Ger)

ANALYSIS

Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72
Light microscopic localization of binding sites for human chorionic gonadotrophin in luteinized rat ovaries by a peroxidase-labeled antibody method. Petrusz P, et al.
J Histochem Cytochem 21:279-82, Mar 73
Different sequences for 5S RNA in kidney cells and ovaries of Xenopus laevis. Ford PJ, et al.
Nature [New Biol] 241:7-12, 3 Jan 73
Localization of I 125 labelled antibodies against tumour-associated proteins from experimental rat mammary neoplasms. Kellen JA, et al.
Res Commun Chem Pathol Pharmacol 5:411-20, Mar 73
[Influence of ascorbic acid and estrogens on cathepsin activity of human ovarian tissue] Niedner W, et al.
Zentralbl Gynaekol 95:247-52, 23 Feb 73 (Ger)
[The relationship between the function of the genital system and the level of serotonin in the hypothalamus] Plekhova EI.
Fiziol Zh 18:834-6, Nov-Dec 72 (Ukr)

ANATOMY & HISTOLOGY

Sex in triploid Discoglossus pictus. Farina E.
Acta Embryol Exp (Palermo) 3:333-40, 1972
Sperm migration through the uterine cervix in the macaque during the menstrual cycle. Jaszczak S, et al.
Am J Obstet Gynaecol 115:1070-82, 15 Apr 73
Effects of different light regimes on the sexual maturation of the Fayoumi fowl. Kamar GA, et al.
Br Poult Sci 14:149-52, Mar 73
Follicular stimulation by chronic treatment with syntbetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al.
Endocrinology 92:1507-14, May 73
Biological activity of an indigenous plant preparation. Munshi SR, et al.
Indian J Physiol Pharmacol 16:181-9, Jul-Sep 72
Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73
Androgenization of the neonatal female rat with very low doses of androgen. Sheridan PJ, et al.
J Endocrinol 57:33-45, Apr 73
The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al.
J Reprod Fertil 32:71-8, Jan 73
Compensatory ovarian hypertrophy can be obtained in neonatal rats. Dunlap JL, et al.
J Reprod Fertil 32:517-9, Mar 73
Androgenization of the female rat with androstenediol. Johnson DC. J Reprod Fertil 32:159-61, Jan 73
Effect of ovariectomy and constant dark on the weight of reproductive and certain other organs in the female vole, Microtus montanus. Vaughan MK, et al.
J Reprod Fertil 32:9-14, Jan 73
Note on the rabbit ovary. Davis RH, et al.
Lab Anim Sci 23:289, Apr 73
Cyclophosphamide: induction of superovulation in rats. Russell WR, et al. Nature 241:129-30, 12 Jan 73
Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73
Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Armstrong DT, et al.
Prostaglandins 1:21-8, Jan 72
Dissociation of ovulatory and steroidogenic actions of luteinizing hormone in rabbits with indomethacin, an inhibitor of prostaglandin biosynthesis. Grinwich DL, et al. Prostaglandins 1:89-96, Feb 72
The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit. O'Grady JP, et al.
Prostaglandins 1:97-106, Feb 72
Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72
[Morphologic and enzymologic study of the ovary during the annual cycle in lerots (Eliomys quercinus L)] Richoux JP, et al.
C R Soc Biol (Paris) 166:1081-3, 1972 (Fre)
[Observations on the variability in ovary form and length of a population of Ditylenchus dipsaci (Kühn 1857) Filipjev 1936] Hubert KE.
Zentralbl Bakteriol [Naturwiss] 127:521-4, 1972 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: horses, sheep, and swine. Del Campo CH, et al.
Am J Vet Res 34:305-16, Mar 73 (59 ref.)
Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73
The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al.
J Endocrinol 56:403-11, Mar 73
Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72
Ovarian venous blood PO 2 , PCO 2 and pH in women. Fraser IS, et al. J Reprod Fertil 33:11-7, Apr 73
Asymptomatic infarction and separation of ovary and

distal uterine tube. Sebastian JA, et al. **Obstet Gynecol 41:531-5, Apr 73**

Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. **Obstet Gynecol 41:650-4, May 73**

Pelvic venography. Silverberg PW, et al. **Radiology 107:523-6, Jun 73**

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. **Steroids 21:565-82, Apr 73**

[Thrombophlebitis of the right ovarian vein following labor: surgical diagnosis and conservative therapy?] Fritz G, et al. **Zentralbl Chir 98:212-5, 9 Feb 73 (Ger)**

[Ovarian vein syndrome] Beit I. **Harefuah 84:343-4, 15 Mar 73 (Heb)**

CYTOLOGY

Changes in the protein content of blastocysts from normal and delayed implanting mice. Weitlauf HM. **Anat Rec 176:121-3, May 73**

Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ. **Biochim Biophys Acta 296:203-8, 19 Jan 73**

Evidence for the biological coupling of biosynthesis and internal acetylation of histone fraction F2a1 (IV) in cultured mammalian cells. Shepherd GR. **Biochim Biophys Acta 299:485-91, 28 Mar 73**

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al. **Biol Reprod 8:378-87, Apr 73**

The chromosomes of CHO, an aneuploid Chinese hamster cell line: G-band, C-band, and autoradiographic analyses. Deaven LL, et al. **Chromosoma 41:129-44, 1973**

Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. **J Med Primatol 1:318-25, 1972**

Intranuclear microtubules in trophocytes in Dytiscus. Nagl W. **J Ultrastruct Res 42:283-6, Feb 73**

Maintenance of insect ovarian microtubular structure and function in vitro. Stebbings H, et al. **Nature [New Biol] 242:253-4, 25 Apr 73**

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. **Sov J Dev Biol 3:249-52, May-Jun 72**

[Ultrastructure of the ovary of Viviparus contectus (Millet, 1813) (Gastropoda, Prosobranchia). II. Oocytes] Bottke W. **Z Zellforsch Mikrosk Anat 138:239-59, 29 Mar 73 (Eng. Abstr.) (Ger)**

DRUG EFFECTS

Effect of lead acetate on reproduction. Hilderbrand DC, et al. **Am J Obstet Gynecol 115:1058-65, 15 Apr 73**

Estrogen monitoring and the prevention of ovarian overstimulation during gonadotropin therapy. Karam KS, et al. **Am J Obstet Gynecol 115:972-7, 1 Apr 73**

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al. **Biol Reprod 8:378-87, Apr 73**

Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. **Endocrinology 92:1507-14, May 73**

Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al. **Endocrinology 92:1565-7, May 73**

Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. **Endocrinology 92:1515-26, May 73**

Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA. **Endocrinology 92:881-7, Mar 73**

Histological and histochemical studies of ovaries of white rats treated with alloxan and those of women who died of diabetic coma. Takeva Z, et al. **Folia Histochem Cytochem (Krakow) 10:325-32, 1972**

Glycolytic and lipolytic effects of ovine FSH and estradiol-17 in the lizard Anolis carolinensis. Marschall C, et al. **Gen Comp Endocrinol 20:407-12, Apr 73**

Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A. **Int J Radiat Biol 23:415-6, Apr 73**

The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al. **J Endocrinol 56:403-11, Mar 73**

A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al. **J Endocrinol 55:205-6, Oct 72**

Inactivation of pineal antigonadotrophin by proteolytic enzymes. Matthews MJ, et al. **J Endocrinol 56:339-40, Feb 73**

Androgenization of the neonatal female rat with very low doses of androgen. Sheridan PJ, et al. **J Endocrinol 57:33-45, Apr 73**

Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. Sinha Y, et al. **J Endocrinol 55:31-40, Oct 72**

Morphological effect of antiserum to luteinizing hormone on early pregnancy in mice. Munshi SR, et al. **J Reprod Fertil 33:127-8, Apr 73**

Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. **J Reprod Med 10:193-6, Apr 73**

Cyclophosphamide and the pubertal testis. Phillips RF. **Lancet 1:371, 17 Feb 73**

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. **Proc Soc Exp Biol Med 143:59-62, May 73**

6-Methyl-8-beta-ergoline-acetonitrile-induced inhibition of mammary hyperplastic alveolar nodular development and growth in C3H-HeJ female mice. Welsch CW, et al. **Proc Soc Exp Biol Med 142:1067-71, Apr 73**

Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis. Chasalow FI, et al. **Prostaglandins 1:107-17, Feb 72**

Dissociation of ovulatory and steroidogenic actions of luteinizing hormone in rabbits with indomethacin, an inhibitor of prostaglandin biosynthesis. Grinwich DL, et al. **Prostaglandins 1:89-96, Feb 72**

Estrogenic activity of norethindrone in the immature female beagle. Nelson LW, et al. **Res Commun Chem Pathol Pharmacol 5:879-82, May 73**

Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al. **Tex Rep Biol Med 30:361-9, Winter 72**

[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day cycles] Roos J, et al. **C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)**

[Research on identification and titration of gonadotropins for therapeutic use by immunologic methods. 3. Experimental research on preparations of equine origin: serum gonadotropin or PMSG] Beys-L'Hoest B. **J Pharm Belg 27:519-42, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Practical experience with a new contraceptive of the modified sequential type] Welti H. **Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)**

[Influence of ascorbic acid and estrogens on cathepsin activity of human ovarian tissue] Niedner W, et al. **Zentralbl Gynaekol 95:247-52, 23 Feb 73 (Ger)**

[Influence of cytostatic agents on proteolytic enzymes of human ovary] Wagner F, et al. **Zentralbl Gynaekol 95:253-8, 23 Feb 73 (Ger)**

[Experimental study on ovulation induction by cyclofenil (sexovid, F6066), with special reference to its effect on the ovary] Tojyo S, et al. **Clin Endocrinol (Tokyo) 21:193-201, Feb 73 (Jap)**

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. 1. The fertile age] Aakvaag A. **Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Eng. Abstr.) (Nor)**

[Action of myocardial peptide preparation on ovarian function in mice] Nanu-Ionescu L, et al. **Stud Cercet Endocrinol 24:193-8, 1973 (Rum)**

[Pathological and morphological changes in chickens during poisoning with alkylsevin 68-76] Mukhamedshin RA. **Veterinariia 8:93-5, Aug 72 (Rus)**

[Some changes in ovarian function in women exposed to organochlorine compounds] Biekherman NA, et al. **Pediatriia 52:57-9, Feb 73 (Ukr)**

EMBRYOLOGY

Fractionated x-radiation damage to developing monkey

ovaries. Andersen AC, et al.
J Med Primatol 1:318-25, 1972
Development of the germ cells in the ovary of the mule and hinny. Taylor MJ, et al.
J Reprod Fertil 32:441-5, Mar 73
Egg production in hens continuously irradiated as embryos. Mraz FR, et al. Radiat Res 54:63-8, Apr 73
Germ cell degeneration and intercellular bridges in the human fetal ovary. Gondos B.
Z Zellforsch Mikrosk Anat 138:23-30, 21 Mar 73
[Changes in the delta 5-3 beta-hydroxysteroid dehydrogenase enzymatic activity in the genital glands of Emys orbicularis L embryos (cheloniens) according to incubation temperature] Pieau C.
C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

ENZYMOLOGY

Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ.
Biochim Biophys Acta 296:203-8, 19 Jan 73
Comparison of the activities of two purified fish gonadotropins on adenyl cyclase activity in the goldfish ovary. Fontaine YA, et al.
Can J Zool 50:1673-6, Dec 72
Histological and histochemical studies of ovaries of white rats treated with alloxan and those of women who died of diabetic coma. Takeva Z, et al.
Folia Histochem Cytochem (Krakow) 10:325-32, 1972
Enzyme activity in the fluid of the human ovarian follicle. Caucig H, et al. Gynecol Invest 3:215-20, 1972
Is gene amplification RNA-directed? Bird A, et al.
Nature [New Biol] 242:226-30, 25 Apr 73
[Changes in the delta 5-3 beta-hydroxysteroid dehydrogenase enzymatic activity in the genital glands of Emys orbicularis L embryos (cheloniens) according to incubation temperature] Pieau C.
C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)
[Morphologic and enzymologic study of the ovary during the annual cycle in lerots (Eliomys quercinus L)] Richoux JP, et al.
C R Soc Biol (Paris) 166:1081-3, 1972 (Fre)
[Influence of ascorbic acid and estrogens on cathepsin activity of human ovarian tissue] Niedner W, et al.
Zentralbl Gynaekol 95:247-52, 23 Feb 73 (Ger)
[Influence of cytostatic agents on proteolytic enzymes of human ovary] Wagner F, et al.
Zentralbl Gynaekol 95:253-8, 23 Feb 73 (Ger)

GROWTH & DEVELOPMENT

Sex in triploid Discoglossus pictus. Farina E.
Acta Embryol Exp (Palermo) 3:333-40, 1972
Effects of different light regimes on the sexual maturation of the Fayoumi fowl. Kamar GA, et al.
Br Poult Sci 14:149-52, Mar 73
Compensatory ovarian hypertrophy can be obtained in neonatal rats. Dunlap JL, et al.
J Reprod Fertil 32:517-9, Mar 73
Development of the germ cells in the ovary of the mule and hinny. Taylor MJ, et al.
J Reprod Fertil 32:441-5, Mar 73
Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. Neuroendocrinology 11:46-56, 1973
Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72
Induction and synchronisation of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Schilling E, et al. Vet Rec 91:471-4, 11 Nov 72
[Effect of simultaneous thymectomy and pinealectomy in newborn rats] Lapin V.
Exp Pathol (Jena) 7:342-4, 1972 (Ger)
[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Immunologic studies of human serous cystadenocarcinoma of ovary. Demonstration of tumor-associated antigens. Bhattacharya M, et al.
Cancer 31:588-95, Mar 73
Comparison of antigens in the ovary, oviduct and uterus of the rabbit and other mammalian species. Sacco AG, et al. J Reprod Fertil 32:421-7, Mar 73
Antigens of the rabbit ovary, oviduct and uterus. Sacco AG, et al. J Reprod Fertil 32:403-14, Mar 73
Localization of tissue-specific antigens in the rabbit ovary, oviduct and uterus by the fluorescent antibody technique. Sacco AG, et al.
J Reprod Fertil 32:415-20, Mar 73
[Ovarian autoimmunization] Chmielecki A.
Wiad Lek 26:519-21, 15 Mar 73 (Eng. Abstr.) (Pol)

METABOLISM

Effects of gonadotrophins and cyclic 3',5'-AMP on in vitro incorporation of (3H)uridine into RNA of the prepubertal rat ovary. Jarlstedt J, et al.
Acta Endocrinol (Kbh) 72:771-85, Apr 73
Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits. Morin RJ.
Biochim Biophys Acta 296:203-8, 19 Jan 73
Evidence for the biological coupling of biosynthesis and internal acetylation of histone fraction F2a1 (IV) in cultured mammalian cells. Shepherd GR.
Biochim Biophys Acta 299:485-91, 28 Mar 73
Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and hitches. Zimbelman RG, et al. Biol Reprod 8:388-91, Apr 73
Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al.
Endocrinology 92:1565-7, May 73
Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Seidel A.
Int J Radiat Biol 23:415-6, Apr 73
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72
Distribution of 14 C-isoxazole in adrenals, ovaries, and breast carcinoma. Ryo UY, et al.
J Nucl Med 14:321-5, Jun 73
Ovarian venous blood PO 2 , PCO 2 and pH in women. Fraser IS, et al. J Reprod Fertil 33:11-7, Apr 73
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:83-118, Jan 73 (88 ref.)
Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis. Chasalow FI, et al.
Prostaglandins 1:107-17, Feb 72
A meiotic cytogenetic study in mice of a commonly used tranquilizer reported to concentrate in mammalian follicular fluid. Jagiello G, et al.
Teratology 7:17-21, Feb 73
[Action of myocardial peptide preparation on ovarian function in mice] Nanu-Ionescu L, et al.
Stud Cercet Endocrinol 24:193-8, 1973 (Rum)
[Biosynthesis of estrogens during pregnancy (survey of the literature)] Bagramian ER, et al.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)
[Sorption activity of cells of endocrine organs in pregnancy] Znamens'ka OI.
Fiziol Zh 18:687-8, Sep-Oct 72 (Ukr)

MICROBIOLOGY

The persistence of Aleutian disease virus in the mosquito Aedes fitchii. Shen DT, et al.
Arch Gesamte Virusforsch 40:375-81, 1973
[Ovarian autoimmunization] Chmielecki A.
Wiad Lek 26:519-21, 15 Mar 73 (Eng. Abstr.) (Pol)

PATHOLOGY

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72
Squamous cell carcinoma arising in a dermoid cyst of the ovary. Sivanesaratnam V, et al.
Aust NZ J Obstet Gynaecol 12:269-72, Nov 72
Sterility in neonatally thymectomized female mice: its nature and prevention by the injection of spleen cells. Kojima A, et al. Biol Reprod 8:358-61, Apr 73
Sclerosing stromal tumors of the ovary. Chalvardjian A, et al. Cancer 31:664-70, Mar 73
Histological and histochemical studies of ovaries of white rats treated with alloxan and those of women

who died of diabetic coma. Takeva Z, et al. **Folia Histochem Cytochem (Krakow) 10:325-32, 1972**

The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J. **Gynecol Prat 23:117-23, 1972**

Involvement of uncommonly affected organs of ducks in experimental tuberculosis. Kwatra MS, et al. **Indian J Exp Biol 10:268-71, Jul 72**

Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. **J Med Primatol 1:318-25, 1972**

Histopathology associated with endoparasitic helminths in bass. Esch GW, et al. **J Parasitol 59:306-13, Apr 73**

Persisting structural alterations in the uterus and ovaries of rats induced by intrauterine devices. Pollak A, et al. **J Reprod Fertil 33:129-33, Apr 73**

Asymptomatic infarction and separation of ovary and distal uterine tube. Sebastian JA, et al. **Obstet Gynecol 41:531-5, Apr 73**

[Brill-Symmers disease] Stadaas JO. **Tidsskr Nor Laegeforen 93:166-70, 30 Jan 73 (Eng. Abstr.) (Nor)**

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskif OK, et al. **Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)**

PHYSIOLOGY

Localization of oestradiol receptors in the rat hypothalamus. Kato J. **Acta Endocrinol (Kbh) 72:663-70, Apr 73**

Inhibition of oestrogen-induced increase in hepatic and uterine glycogen by progesterone in the rat. Paul PK, et al. **Acta Endocrinol (Kbh) 72:762-70, Apr 73**

Footbolds for survival. Thiessen DD. **Am Sci 61:346-51, May-Jun 73**

Collagen proline hydroxylase activity in the uterus of the rat during rapid collagen synthesis in vivo. Salvador RA, et al. **Arch Biochem Biophys 154:583-92, Feb 73**

Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al. **Biochem Biophys Res Commun 51:165-73, 5 Mar 73**

Stimulation of sperm movement from the isthmus to the site of fertilization in the rabbit oviduct. Harper MJ. **Biol Reprod 8:362-8, Apr 73**

Sterility in neonatally thymectomized female mice: its nature and prevention by the injection of spleen cells. Kojima A, et al. **Biol Reprod 8:358-61, Apr 73**

An antigonadotropin from the ovaries of the insect Rhodnius prolixus Stål. Huebner E, et al. **Can J Zool 51:113-20, Feb 73**

Peripheral levels of estrogen in the cyclic hamster. Baranczuk R, et al. **Endocrinology 92:805-12, Mar 73**

Effect of estrogen on the phospholipid metabolism of rat bone. Cruess RL, et al. **Endocrinology 92:961-3, Mar 73**

Metabolic clearance rates and secretion rates of prolactin in sheep. Davis SL, et al. **Endocrinology 92:1414-8, May 73**

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. **Endocrinology 92:840-6, Mar 73**

Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey. Karsch FJ, et al. **Endocrinology 92:799-804, Mar 73**

Androgenic induction of alpha-2u globulin in rats: androgen insensitivity in prepubertal animals. Roy AK. **Endocrinology 92:957-60, Mar 73**

The stimulatory influence of gonadal steroids and methallibure (ICI 33,828) on peptidase activity in the female rat hypothalamus. Griffiths EC, et al. **Fertil Steril 24:269-74, Apr 73**

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al. **Fertil Steril 24:284-91, Apr 73**

EGG transport over the fimbrial surface of the rabbit oviduct under experimental conditions. Odor DL, et al. **Fertil Steril 24:292-300, Apr 73**

XXXX syndrome: case report, and a note on genetic counselling and fertility. Gardner RJ, et al. **Humangenetik 17:323-30, 1973**

Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Sud SC. **Indian J Exp Biol 10:265-7, Jul 72**

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al. **J Biol Chem 248:1598-602, 10 Mar 73**

Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats. Caligaris L, et al. **J Endocrinol 55:97-103, Oct 72**

Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. **J Endocrinol 56:219-25, Feb 73**

The effect of oestrogen and progesterone on uterine cell division and epithelial morphology in spayed-hypophysectomized rats. Clark BF. **J Endocrinol 56:341-2, Feb 73**

The olfactory response of mice to urine and effects of gonadectomy. Davies VJ, et al. **J Endocrinol 55:11-20, Oct 72**

Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallaby, Macropus eugenii. Lemon M. **J Endocrinol 55:63-71, Oct 72**

Protein synthesis in different hypothalamic areas during the sexual cycle in rats: influence of castration. Moguilevsky JA, et al. **J Endocrinol 55:147-52, Oct 72**

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. **J Endocrinol 57:63-744, Apr 73**

Effect of unilateral ovariectomy on follicular growth in hypophysectomized rats treated with pregnant mare serum gonadotrophin. Welschen R. **J Endocrinol 55:227-8, Oct 72**

In vitro uptake and incorporation of amino acids by blastocysts from intact and ovariectomized mice. Weitlauf HM. **J Exp Zool 183:303-8, Mar 73**

Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. **J Med Primatol 1:318-25, 1972**

Innate seasonal oscillations in the rate of milk secretion in goats. Linzell JL. **J Physiol (Lond) 230:225-33, Apr 73**

Compensatory ovarian hypertrophy can be obtained in neonatal rats. Dunlap JL, et al. **J Reprod Fertil 32:517-9, Mar 73**

Effect of starvation on LH levels in male and female hamsters. Howland BE, et al. **J Reprod Fertil 32:505-7, Mar 73**

Ovulation rate of Finn-Dorset sheep following unilateral ovariectomy or chlorpromazine treatment at different stages of the oestrous cycle. Land RB. **J Reprod Fertil 33:99-105, Apr 73**

Effect of ovariectomy and constant dark on the weight of reproductive and certain other organs in the female vole, Microtus montanus. Vaughan MK, et al. **J Reprod Fertil 32:9-14, Jan 73**

Note on the rabbit ovary. Davis RH, et al. **Lab Anim Sci 23:289, Apr 73**

Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Hiroshige T, et al. **Neuroendocrinology 11:306-20, 1973**

Endocrine control of the maternal pheromone in the postpartum female rat. Leon M, et al. **Physiol Behav 10:65-7, Jan 73**

Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al. **Proc Soc Exp Biol Med 142:749-54, Mar 73**

Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al. **Proc Soc Exp Biol Med 142:1226-9, Apr 73**

The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes. Caldwell BV, et al. **Prostaglandins 1:217-28, Mar 72**

Effects of progesterone on endometrial prostaglandins in sheep. Wilson L Jr, et al. **Prostaglandins 1:183-90, Mar 72**

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. **Sov J Dev Biol 3:249-52, May-Jun 72**

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. **Sov J Dev Biol 3:188-93, May-Jun 72**

The antiestrogenic effects of the ICI compound 46,474 in the green frog, Rana esculenta L. Rastogi RK. **Steroids Lipids Res 3:59-64, 1972**

[Olfactory stimuli and regulation of estrus cycle length in rats] Aron C, et al. **Ann Endocrinol (Paris) 33:23-33, Jan-Feb 72 (Eng. Abstr.) (Fre)**

[Effect of male or female urine from normal or

castrated rats on the duration of the estrus cycle in female rats] Chateau D, et al.
C R Soc Biol (Paris) 166:1110-3, 1972 (Fre)
[Morphologic and enzymologic study of the ovary during the annual cycle in lerots (Eliomys quercinus L)] Richoux JP, et al.
C R Soc Biol (Paris) 166:1081-3, 1972 (Fre)
[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day cycles] Roos J, et al.
C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)
[The mechanisms which regulate ovulation] Curchod A, et al.
Rev Med Suisse Romande 92:775-84, Oct 72 (Fre)
[Surgical experience and functional tests in reimplantation of internal genital organs in the bitch] Gal D, et al.
Harefuah 84:309-14, 15 Mar 73 (Eng. Abstr.) (Heb)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
[The role of functional morphology in studying human reproduction] Kalashnikova EP.
Vestn Akad Med Nauk SSSR 27:43-9, Nov 72 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H mouse mammary gland. Banerjee MR, et al.
J Natl Cancer Inst 50:339-45, Feb 73
[The hypophysis in anorexia nervosa] Bassoe HH.
Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)

RADIATION EFFECTS

Parental x-irradiation and chromosomes constitution in their spontaneously aborted foetuses. Alberman E, et al. Ann Hum Genet 36:185-94, Nov 72
Parental exposure to x-irradiation and Down's syndrome. Alberman E, et al.
Ann Hum Genet 36:195-208, Nov 72
Unilateral reduction of ovulations following selective ovarian x-irradiation. Hahn EW, et al.
Endocrinology 92:1447-50, May 73
Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al.
J Med Primatol 1:318-25, 1972
Cyclophosphamide and the pubertal testis. Phillips RF.
Lancet 1:371, 17 Feb 73
Egg production in hens continuously irradiated as embryos. Mraz FR, et al. Radiat Res 54:63-8, Apr 73
Operations for sterilization of the female. Call RW.
Surg Clin North Am 53:495-510, Apr 73 (37 ref.)
[X-ray exposure in closed femoral shortening osteotomy] Fischer S.
Chirurg 44:171-6, Apr 73 (Eng. Abstr.) (Ger)
[Radio-iodine test and pregnancy] Heinze HG.
Munch Med Wochenschr 115:426, 9 Mar 73 (Ger)

SECRETION

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73
The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al.
J Endocrinol 56:403-11, Mar 73
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72
Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72
The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. J Endocrinol 57:123-34, Apr 73
Morphological effect of antiserum to luteinizing hormone on early pregnancy in mice. Munshi SR, et al.
J Reprod Fertil 33:127-8, Apr 73
Excess dietary methionine and pregnancy in the rat. Viau AT, et al. J Reprod Fertil 33:109-11, Apr 73
Effects of gonadectomy on sex differences in DRL behavior. Beatty WW. Physiol Behav 10:177-8, Jan 73
Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al.
Proc Soc Exp Biol Med 142:1226-9, Apr 73
Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

SURGERY

Osteoporosis after oophorectomy for non-malignant disease in premenopausal women. Aitken JM, et al.
Br Med J 2:325-8, 12 May 73
Operative laparoscopy. Rioux JE.
J Reprod Med 10:249-55, May 73
Ovarian hemorrhage complicating anticoagulant therapy. Manny J, et al.
Obstet Gynecol 41:512-4, Apr 73
Castrating operations associated with metastatic lesions of the breast. Puga FJ, et al.
Obstet Gynecol 41:713-9, May 73
The second-look operation in ovarian carcinoma. Blinick G, et al. Prog Clin Cancer 5:219-25, 1973
The treatment of ovarian cancer. Sall S, et al.
Prog Clin Cancer 5:249-62, 1973
Levodopa test to predict response of carcinoma of the breast to surgical ablation of endocrine glands. Minton JP, et al. Surg Gynecol Obstet 136:971-4, Jun 73
[Nuclear volume and cellular activity of gonadotropic cells in the adenohypophysis of ewes following bilateral ovariectomy] Arendarčik J, et al.
Vet Med (Praha) 18:81-93, 1973 (Eng. Abstr.) (Slo)

TRANSPLANTATION

An antigonadotropin from the ovaries of the insect Rhodnius prolixus Stål. Huebner E, et al.
Can J Zool 51:113-20, Feb 73
Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. J Endocrinol 57:97-110, Apr 73
The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al.
J Endocrinol 56:403-11, Mar 73
A new inbred subline of mice (129-terSv) with a high incidence of spontaneous congenital testicular teratomas. Stevens LC.
J Natl Cancer Inst 50:235-42, Jan 73
[Surgical experience and functional tests in reimplantation of internal genital organs in the bitch] Gal D, et al.
Harefuah 84:309-14, 15 Mar 73 (Eng. Abstr.) (Heb)

Testis

LEYDIG CELLS

A study on the postnatal histology of the testis in buffalo (Bubalus bubalis). I. From birth to one year. Goyal HO, et al. Acta Anat (Basel) 84:237-50, 1973

Quantification of human seminiferous epithelium. IV. Histological studies in 17 men with numerical and structural autosomal aberrations. Skakkebaek NE, et al. Acta Pathol Microbiol Scand [A] 81:112-24, Mar 73

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. J Reprod Fertil 32:391-401, Mar 73

CYTOLOGY

Annular nucleolus in Leydig cells of mouse. Terao K. Z Zellforsch Mikrosk Anat 137:167-75, 12 Feb 73

DRUG EFFECTS

Effect of intratesticular administration of metanil yellow in rats. Singh GB, et al.
Exp Pathol (Jena) 7:172-5, 1972

Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73

ENZYMOLOGY

Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T.
J Reprod Fertil 32:55-63, Jan 73

[Histoenzymological study of Klinefelter's testis] Bucur AI, et al. Anat Anz 132:348-55, 1972 (Ger)

SERTOLI CELLS

A study on the postnatal histology of the testis in buffalo (Bubalus bubalis). I. From birth to one year. Goyal HO, et al. Acta Anat (Basel) 84:237-50, 1973

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al. Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73

Quantification of human seminiferous epithelium. IV. Histological studies in 17 men with numerical and structural autosomal aberrations. Skakkebaek NE, et al. Acta Pathol Microbiol Scand [A] 81:112-24, Mar 73

Penetration of the testicular-tubular barrier by horseradish peroxidase induced by adjuvant. Willson JT, et al. Anat Rec 176:83-100, May 73

Spermatogonial stem cell renewal in the mouse. I. Normal situation. Rooij DG de.
Cell Tissue Kinet 6:281-7, May 73

Structural changes manifested by Sertoli cells during experimental allergic orchitis in guinea-pigs. Kierszenbaum AL, et al.
J Reprod Fertil 33:119-22, Apr 73

Quantification of human seminiferous epithelium. I. Histological studies in twenty-one fertile men with normal chromosome complements. Skakkebaek NE, et al. J Reprod Fertil 32:379-89, Mar 73

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. J Reprod Fertil 32:391-401, Mar 73

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d.
J Urol 109:347-9, May 73

[Cytological aspect and intranuclear localization of the heterochromatic segments of C9 chromosomes in man] Gagné R, et al.
Chromosoma 41:159-66, 1973 (Eng. Abstr.) (Fre)

CYTOLOGY

Ultrastructure of germ cells and Sertoli cells in the postnatal rabbit testis. Gondos B, et al.
Am J Anat 136:427-39, Apr 73

The fine structure of the monkey (Macaca) Sertoli cell and its role in maintaining the blood-testis barrier. Dym M. Anat Rec 175:639-56, Apr 73

Effects of actinomycin D on spermatogenesis in the Chinese hamster. Barcellona WJ, et al.
Biol Reprod 8:335-49, Apr 73

Spermatogenesis revisited. II. Ultrastructural studies of spermiogenesis in multinucleate spermatids of the mouse. Bryan JH, et al.
Z Zellforsch Mikrosk Anat 138:155-69, 29 Mar 73

ENZYMOLOGY

[Histoenzymological study of Klinefelter's testis] Bucur AI, et al. Anat Anz 132:348-55, 1972 (Ger)

PHYSIOLOGY

The fine structure of the monkey (Macaca) Sertoli cell and its role in maintaining the blood-testis barrier. Dym M. Anat Rec 175:639-56, Apr 73

TESTIS

Binding of actinomycin chromophore analogues to DNA. Chibber BA, et al.
Can J Biochem 51:204-17, Feb 73

Incorporation of (3 H)glucosamine to the surface component of testicular cultures and the differential response of steroidogenic and fibroblastic cells in vitro to cytochalasin B. Lee HH, et al.
In Vitro 8:368-74, Mar-Apr 73

Variations in the structural character and stability of the nuclear chromatin in morphologically normal human spermatozoa. Bedford JM, et al.
J Reprod Fertil 33:19-29, Apr 73

Androgen-binding protein in efferent duct fluid of rat testis. French FS, et al.
J Reprod Fertil 32:479-83, Mar 73

Direct transtissue intra-organ lymphography; technique and results. Gibert P, et al.
Lymphology 6:19-27, Mar 73

[Intratesticular grafts of lenses isolated or associated with the retina] Clavert A, et al.
C R Soc Biol (Paris) 166:1095-8, 1972 (Fre)

[Differentiation of presumptive or early dental germ. Results obtained by the intratesticular homograft method in mice] Gerber R, et al.
C R Soc Biol (Paris) 166:1098-102, 1972 (Fre)

[Radiography of the lymphatic system] Weissleder H.
Chirurg 44:97-101, Mar 73 (Ger)

ABNORMALITIES

Subcellular muscle studies in the prune belly syndrome. Mininberg DT, et al. J Urol 109:524-6, Mar 73

Artificial testicles in children: a new silastic gel testicular prosthesis. Puranik SR, et al.
J Urol 109:735-6, Apr 73

[Ectopic ureteral implantations] Bruézière J.
Acta Urol Belg 41:95-9, Jan 73 (Eng. Abstr.) (Fre)

ANALYSIS

Measurement of fluorescent lipid peroxidation products in biological systems and tissues. Fletcher BL, et al. Anal Biochem 52:1-9, Mar 73

Tissue lipids in lethally X-irradiated rats. II. Changes in

hone marrow, thymus, spleen and testes. Ahlers I, et al. Folia Biol (Praha) 19:130-4, 1973
Histone 3. IV. Amino acid sequence of histone 3 of the testes of the carp, Letiobus hubalus. Hooper JA, et al. J Biol Chem 248:3275-9, 10 May 73
Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72
Proteins of the seminiferous tubule fluid in man--evidence for a blood-testis barrier. Koskimies AI, et al. J Reprod Fertil 32:79-86, Jan 73
A new method of characterizing the primary structure of DNA: the use of a polynomial for describing the tendencies of the distribution of pyrimidine blocks of different lengths in DNA. Mazin AL. Mol Biol 6:435-43, Jul-Aug 72
Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al. Nature [New Biol] 242:246-8, 25 Apr 73
Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Bartke A, et al. Prostaglandins 3:97-104, Jan 73
An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen binding protein in the epididymis. Hansson V, et al. Steroids 21:457-74, Mar 73
Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al. Steroids 21:593-608, Apr 73

ANATOMY & HISTOLOGY

Testis weight and the histology of the prostate in elderly men. An analysis in an autopsy series. Harbitz TB. Acta Pathol Microbiol Scand [A] 81:148-58, Mar 73
Structure of the testes in indigenous crayfishes. Wielgus E. Folia Morphol (Warsz) 32:115-24, 1973
A new biological index of radiosensitivity of individual mice in a closed colony. Ueno Y. Int J Biometeorol 16:361-5, Dec 72
Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72
Further evidence of inherent testicular rhythms in the laboratory rat. Kinson GA, et al. J Endocrinol 56:337-8, Feb 73
Strain differences in testicular weight and spermatogenesis with special reference to C57BL-10J and DBA-2J mice. Shire JG, et al. J Endocrinol 55:163-71, Oct 72
Daily variations in the effects of handling on fat storage and testicular weights in several vertebrates. Meier AH, et al. J Exp Zool 184:281-7, May 73
A comparison of Egyptian and East African strains of Schistosoma haematobium. Wehhe C, et al. J Helminthol 47:49-59, 1973
The treatment of subfertile men with clomiphene citrate. Foss GL, et al. J Reprod Fertil 32:167-70, Jan 73
Proteins of the seminiferous tubule fluid in man--evidence for a blood-testis barrier. Koskimies AI, et al. J Reprod Fertil 32:79-86, Jan 73
Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73
The Afghan pika (Ochotona refescens rufescens): a new laboratory animal. Puget A. Lab Anim Sci 23:248-51, Apr 73
The expression of female sex-limited characters in the male. Land RB. Nature 241:208-9, 19 Jan 73
Mediation of the mating induced increase in accessory reproductive organ size of male rats. Thomas TR, et al. Physiol Behav 10:13-7, Jan 73
Physiological development of cockerels as influenced by selected wavelengths of environmental light. Foss DC, et al. Poult Sci 51:1922-7, Nov 72
Potentiation of goitrogenic action of sulfonamide by trimethoprim. Kobayashi R, et al. Proc Soc Exp Biol Med 142:776-80, Mar 73
Frequency of activity and endocrine response among male house mice (Mus musculus) in freely growing populations. Lloyd JA. Proc Soc Exp Biol Med 142:784-6, Mar 73
Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al. Proc Soc Exp Biol Med 142:804-10, Mar 73
Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Bartke A, et al. Prostaglandins 3:97-104, Jan 73
Mutagenic, cytogenetic and teratogenic studies on thiophanate-methyl. Makita T, et al. Toxicol Appl Pharmacol 24:206-15, Feb 73
[Exact measurement of testicular volume] Schirren C. Andrologie 4:261-2, 1972 (Eng. Abstr.) (Ger)
[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Fels E, et al. Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)
[Observations on the variability in ovary form and length of a population of Dityienchus dipsaci (Kühn 1857) Filipjev 1936] Hubert KE. Zentralbl Bakteriol [Naturwiss] 127:521-4, 1972 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

The fine structure of the monkey (Macaca) Sertoli cell and its role in maintaining the blood-testis barrier. Dym M. Anat Rec 175:639-56, Apr 73
Penetration of the testicular-tubular barrier by horseradish peroxidase induced by adjuvant. Willson JT, et al. Anat Rec 176:83-100, May 73
Further evidence of inherent testicular rhythms in the laboratory rat. Kinson GA, et al. J Endocrinol 56:337-8, Feb 73
Venous arterial interactions involving serotonin in the pampiniform plexus of the rat. Free MJ, et al. Proc Soc Exp Biol Med 143:284-8, May 73
Effect of prostaglandins on blood flow and pressure in the conscious rat. Free MJ, et al. Prostaglandins 1:483-98, Jun 72
[Regional differences in small blood vessel function] Gabbiani G, et al. Nouv Rev Fr Hematol 12:701-2, Sep-Oct 72 (Fre)

CYTOLOGY

A study on the postnatal histology of the testis in buffalo (Bubalus bubalis). I. From birth to one year. Goyal HO, et al. Acta Anat (Basel) 84:237-50, 1973
Correlative histochemical and ultrastructural observations on the mitochondria of ram spermiogenesis. Guraya SS. Acta Anat (Basel) 84:552-8, 1973
Ultrastructure of germ cells and Sertoli cells in the postnatal rabbit testis. Gondos B, et al. Am J Anat 136:427-39, Apr 73
The Ruhinstein-Taybi Syndrome: chromosomal studies. Simpson NE. Am J Hum Genet 25:230-6, May 73
Penetration of the testicular-tubular barrier by horseradish peroxidase induced by adjuvant. Willson JT, et al. Anat Rec 176:83-100, May 73
Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972
The presence of a common active subunit in low and high molecular weight murine DNA polymerases. Hecht NB, et al. Biochem Biophys Res Commun 51:299-305, 17 Mar 73
Endogenous production of steroids by subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules. Vusse GJ van der, et al. Biochim Biophys Acta 297:179-85, 24 Jan 73
Spermatogonial stem cell renewal in the mouse. I. Normal situation. Rooij DG de. Cell Tissue Kinet 6:281-7, May 73
Banding patterns in newt chromosomes by the Giemsa stain. Nardi I, et al. Chromosoma 40:321-31, 1973
Translocation heterozygosity and associated subfertility in man. Chandley AC, et al. Cytogenetics 11:516-33, 1972
Giemsa banding of meiotic chromosomes with description of a procedure for cytological preparations from solid tissues. Stock AD, et al. Cytogenetics 11:534-9, 1972
On the character of the monolayer outgrowth and the fate of the peritubular myoid cells in cultured mouse testis. Bressler RS, et al. Exp Cell Res 78:295-302, Apr 73
Timing of spermatogenesis in four nonhuman primate species. Barr AB. Fertil Steril 24:381-9, May 73
Abnormal spermatogenesis in XYY Males: a report on 4 cases ascertained through a population study. Skakkebaek NE, et al. Fertil Steril 24:390-5, May 73

Studies on the relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al.
J Biol Chem 248:3288-97, 10 May 73
A technique for ultracryotomy of cell suspensions and tissues. Tokuyasu KT. J Cell Biol 57:551-65, May 73
Strain differences in testicular weight and spermatogenesis with special reference to C57BL-10J and DBA-2J mice. Shire JG, et al.
J Endocrinol 55:163-71, Oct 72
Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al.
J Med Primatol 1:318-25, 1972
Cytogenetics of ticks (Acari: Ixodoidea). II. Chromosomes of Argas radiatus Railliet and Argas sanchezi Dugès (Argasidae) with notes on spermatogenesis and hybridization. Homsher PJ, et al.
J Parasitol 59:375-8, Apr 73
Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73
Quantification of human seminiferous epithelium. I. Histological studies in twenty-one fertile men with normal chromosome complements. Skakkebaek NE, et al. J Reprod Fertil 32:379-89, Mar 73
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
X-ray-induced specific-locus mutation rate in newborn male mice. Selby PB. Mutat Res 18:63-75, Apr 73
X-ray-induced specific-locus mutation rates in young male mice. Selby PB. Mutat Res 18:77-88, Apr 73
Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al.
Nature [New Biol] 242:246-8, 25 Apr 73
Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Sellicovich A, et al.
Steroids Lipids Res 3:214-9, 1972
An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen binding protein in the epididymis. Hansson V, et al.
Steroids 21:457-74, Mar 73
Mutagenic, cytogenetic and teratogenic studies on thiophanate-methyl. Makita T, et al.
Toxicol Appl Pharmacol 24:206-15, Feb 73
[Spindle and kinetochores in mitosis and meiosis in Dysdercus intermedius (Heteroptera)] Ruthmann A, et al. Chromosoma 41:271-88, 1973 (Ger)

DRUG EFFECTS

FSH action on the -aminoisobutyric acid transport in the prepuberal rat testes. Irusta O, et al.
Acta Physiol Lat Am 22:276-8, 1972
Androgens and athletes. Frasier SD.
Am J Dis Child 125:479-80, Apr 73
Effect of lead acetate on reproduction. Hilderbrand DC, et al. Am J Obstet Gynecol 115:1058-65, 15 Apr 73
Effects of actinomycin D on spermatogenesis in the Chinese hamster. Barcellona WJ, et al.
Biol Reprod 8:335-49, Apr 73
Fixation of carbon dioxide by the testes of rabbit and fish. Mounib MS, et al.
Comp Biochem Physiol [B] 43:393-401, 15 Oct 72
Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. Endocrinology 92:921-30, Mar 73
Pathologic changes induced by pesticides in the testes and liver of rats. Dikshith TS, et al.
Exp Pathol (Jena) 7:309-16, 1972
Calcification of the rat testis by some rare earth and radioactive metallic salts. Sharma SN, et al.
Exp Pathol (Jena) 7:176-81, 1972
Effect of intratesticular administration of metanil yellow in rats. Singh GB, et al.
Exp Pathol (Jena) 7:172-5, 1972
Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al.
Fertil Steril 24:319-23, Apr 73
Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonadal activity of male rats. Ling GM, et al.
Int J Clin Pharmacol 7:1-5, Feb 73
Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72
Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al.
J Endocrinol 56:431-9, Mar 73
The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. J Endocrinol 56:323-4, Feb 73
The rôle of the pituitary in the development of the blood-testis barrier in mice. Johnson MH.
J Reprod Fertil 32:509-11, Mar 73
Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73
Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. Terner C, et al.
J Reprod Fertil 32:453-64, Mar 73
Aminopeptidases of rat testis. II. Effects of puberty, cryptorchidism and cadmium chloride treatment. Vanha-Perttula T. J Reprod Fertil 32:45-53, Jan 73
Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T.
J Reprod Fertil 32:55-63, Jan 73
Alteration of sexual behavior and sex accessory glands by p-chlorophenylalanine and testosterone.
Gawienowski AM, et al. Life Sci [I] 12:307-15, 1 Apr 73
Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al.
Lipids 8:224-31, Apr 73
Biological evaluation of the nutritive value of edible fats. 3. Effect of selected fats on the morphology of certain organs. Ziemiański S, et al.
Pol Med J 11:1625-33, 1972
Venous arterial interactions involving serotonin in the pampiniform plexus of the rat. Free MJ, et al.
Proc Soc Exp Biol Med 143:284-8, May 73
Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Bartke A, et al.
Prostaglandins 3:97-104, Jan 73
Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Sellicovich A, et al.
Steroids Lipids Res 3:214-9, 1972
Mutagenic, cytogenetic and teratogenic studies on thiophanate-methyl. Makita T, et al.
Toxicol Appl Pharmacol 24:206-15, Feb 73
Toxicologic studies on mebendazole. Marsboom R.
Toxicol Appl Pharmacol 24:371-7, Mar 73
Genetic association between a histocompatibility gene (H-2) and androgen metabolism in mice. Iványi P, et al. Transplant Proc 5:189-91, Mar 73
Alimentary production of gallstones in hamsters. 26. The influence of orally ingested lithocholic, cholic, dehydrocholic and deoxycholic acids on gallstone production compared with the influence of chenodeoxycholic acid. Prange I, et al.
Z Ernaehrungswiss 12:92-107, Mar 73
[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al.
Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Effect, on guinea pigs with hypoproteinic diet, of a protein concentrate from yeasts grown on alkanes] Verne J, et al.
Bull Acad Natl Med (Paris) 156:295-9, Apr 72 (Fre)
[Effect of PMS and HCG on testicular ascorbic acid content in Bufo arenarum Hensel] Blumenkrantz N, et al. C R Soc Biol (Paris) 166:1212, 1972 (Fre)
[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Feis E, et al.
Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)
[Effect of chronic carbon disulfide poisoning on the histologic picture of testicles in white rats] Cymerski Z, et al.
Pol Przegl Chir 45:Suppl 2a:219-2, Feb 73 (Eng. Abstr.) (Pol)
[Action of chlordelazine on lipids in the rat testis] Damian E, et al.
Stud Cercet Endocrinol 24:199-202, 1973 (Rum)
[Action of methallibure and exogen gonadotrophins on the testis of jenynsia lineata (Teleostei)] Calvo J, et al. Acta Physiol Lat Am 22:212-7, 1972 (Spa)

EMBRYOLOGY

Chromosome rearrangements induced in the mouse by

embryonic x-irradiation. II. Irradiation of male foetuses at the 13.5th day of gestation. Ivanov B, et al. **Mutat Res 18:89-92, Apr 73**

[Changes in the delta 5-3 beta-hydroxysteroid dehydrogenase enzymatic activity in the genital glands of Emys orbicularis L embryos (chelonians) according to incubation temperature] Pieau C. **C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)**

[Feto-placental relation in fetal endocrine function] Takagi S, et al. **Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)**

[Pituitary function in the fetus] Velle W. **Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Eng. Abstr.) (Nor)**

ENZYMOLOGY

The presence of a common active subunit in low and high molecular weight murine DNA polymerases. Hecht NB, et al. **Biochem Biophys Res Commun 51:299-305, 17 Mar 73**

Biochemical polymorphism in the rat, Rattus norvegicus: genetic study of four markers. Moutier R, et al. **Biochem Genet 8:321-8, Mar 73**

Insulin degradation. II. The widespread distribution of glutathione-insulin transhydrogenase in the tissues of the rat. Chandler ML, et al. **Biochim Biophys Acta 286:136-45, 24 Nov 72**

Proteoglycans-collagen interactions in human costal cartilage. Kobayashi TK, et al. **Biochim Biophys Acta 303:148-60, 23 Mar 73**

Endogenous production of steroids by subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules. Vusse GJ van der, et al. **Biochim Biophys Acta 297:179-85, 24 Jan 73**

Lactate dehydrogenase isozymes of the mongolian gerbil, Meriones unguiculatus. I. Evidence for X subunits. Lindahl R, et al. **Comp Biochem Physiol [B] 43:425-33, 15 Oct 72**

Fixation of carbon dioxide by the testes of rabbit and fish. Mounib MS, et al. **Comp Biochem Physiol [B] 43:393-401, 15 Oct 72**

Comparative study of enzyme activities degrading sorbitol, ribitol, xylitol and gluconate in guinea pig tissues. Birnesser H, et al. **Diabetologia 9:30-3, Feb 73**

Immunology of cartilage proteoglycan. Keiser H, et al. **Fed Proc 32:1474-7, Apr 73**

Lactic dehydrogenase isozymes in leprosy patients. II. Kinetics of damageable tissues in leprosy patients. Saito N. **Int J Lepr 40:251-9, Jul-Sep 72**

-Glutamyl cyclotransferase. Distribution, isozymic forms, and specificity. Orlowski M, et al. **J Biol Chem 248:2836-44, 25 Apr 73**

Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al. **J Clin Endocrinol Metab 36:995-8, May 73**

Marsupial and monotreme lactate dehydrogenase isozymes: phylogeny, ontogeny, and homology with eutherian mammals. Holmes RS, et al. **J Exp Zool 184:127-48, Apr 73**

Effect of dietary vitamin E on the activities of the glutathione peroxidase system in rat tissues. Chow CK, et al. **J Nutr 103:618-24, Apr 73**

'Collagenase-like peptidase in human, rat and bull spermatozoa. Koren E, et al. **J Reprod Fertil 32:349-56, Mar 73**

Aminopeptidases of rat testis. I. Fractionation and characterization. Vanha-Perttula T. **J Reprod Fertil 32:33-44, Jan 73**

Aminopeptidases of rat testis. II. Effects of puberty, cryptorchidism and cadmium chloride treatment. Vanha-Perttula T. **J Reprod Fertil 32:45-53, Jan 73**

Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T. **J Reprod Fertil 32:55-63, Jan 73**

[Changes in the delta 5-3 beta-hydroxysteroid dehydrogenase enzymatic activity in the genital glands of Emys orbicularis L embryos (chelonians) according to incubation temperature] Pieau C. **C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)**

[Histoenzymological study of Klinefelter's testis] Bucur AI, et al. **Anat Anz 132:348-55, 1972 (Ger)**

[Nerve fibres in the tubulus walls of testis in patients with Klinefelter's syndrome. Electron microscopic and enzyme-histochemical studies] Leuschner U, et al. **Virchows Arch [Pathol Anat] 358:331-41, 19 Feb 73 (Eng. Abstr.) (Ger)**

GROWTH & DEVELOPMENT

A study on the postnatal histology of the testis in buffalo (Bubalus bubalis). I. From birth to one year. Goyal HO, et al. **Acta Anat (Basel) 84:237-50, 1973**

Ultrastructure of germ cells and Sertoli cells in the postnatal rabbit testis. Gondos B, et al. **Am J Anat 136:427-39, Apr 73**

The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle. Atkinson PM. **Br J Surg 60:253-8, Apr 73**

The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Atkinson PM. **Br J Surg 60:258-60, Apr 73**

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. **Fertil Steril 24:319-23, Apr 73**

Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T. **J Reprod Fertil 32:55-63, Jan 73**

The expression of female sex-limited characters in the male. Land RB. **Nature 241:208-9, 19 Jan 73**

[Klinefelter's syndrome in an undersized child. XY-XXY mosaicism] Weill J, et al. **Ann Endocrinol (Paris) 33:539-40, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Therapeutic aspects in cryptorchism] Banchieri FR. **J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 (Fre)**

[Effect of fractionated radiation on the radiosensitivity and course of repair processes in mouse ontogenesis] Chudinovskaia GA, et al. **Zh Obshch Biol 34:305-14, Mar-Apr 73 (Eng. Abstr.) (Rus)**

IMMUNOLOGY

Penetration of the testicular-tubular barrier by horseradish peroxidase induced by adjuvant. Willson JT, et al. **Anat Rec 176:83-100, May 73**

Fertility of male guinea-pigs immunized with testicular antigen in Freund's incomplete adjuvant. Kantor GL, et al. **Clin Exp Immunol 13:225-30, Feb 73**

Isolation of islets of Langerhans for transplantation. Thomas DR, et al. **Transplant Proc 5:765-8, Mar 73**

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al. **Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)**

INJURIES

Functional afferent innervation of testis. Peterson DF, et al. **J Neurophysiol 36:425-33, May 73**

[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al. **Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)**

INNERVATION

Functional afferent innervation of testis. Peterson DF, et al. **J Neurophysiol 36:425-33, May 73**

[Nerve fibres in the tubulus walls of testis in patients with Klinefelter's syndrome. Electron microscopic and enzyme-histochemical studies] Leuschner U, et al. **Virchows Arch [Pathol Anat] 358:331-41, 19 Feb 73 (Eng. Abstr.) (Ger)**

METABOLISM

Correlative histochemical and ultrastructural observations on the mitochondria of ram spermiogenesis. Guraya SS. **Acta Anat (Basel) 84:552-8, 1973**

FSH action on the -aminoisobutyric acid transport in the prepuberal rat testes. Irusta O, et al. **Acta Physiol Lat Am 22:276-8, 1972**

Dietary plant sterols: current status in human and animal sterol metabolism. Subbiah MT. **Am J Clin Nutr 26:219-25, Feb 73 (60 ref.)**

Zinc and magnesium in human male reproductive tract. Lindholmer C, et al. **Andrologie 4:231-7, 1972**

Kinetics of tissue -tocopherol depletion and repletion. Bieri JG. Ann NY Acad Sci 203:181-91, 18 Dec 72

Biosynthesis of heme in vitamin E deficiency. Caasi PI, et al. Ann NY Acad Sci 203:93-102, 18 Dec 72

Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72

Endogenous production of steroids by subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules. Vusse GJ van der, et al.
Biochim Biophys Acta 297:179-85, 24 Jan 73

Effects of actinomycin D on spermatogenesis in the Chinese hamster. Barcellona WJ, et al.
Biol Reprod 8:335-49, Apr 73

Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of androgens by porcine blood cells. Kraemer MA, et al.
Can J Biochem 51:390-6, Apr 73

Fixation of carbon dioxide by the testes of rabbit and fish. Mounib MS, et al.
Comp Biochem Physiol [B] 43:393-401, 15 Oct 72

Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonadal activity of male rats. Ling GM, et al.
Int J Clin Pharmacol 7:1-5, Feb 73

Side-chain cleavage of (26- 14 C) cholesterol by rat testicular tissues and their subcellular fractions. Bass JJ, et al. J Endocrinol 56:321-2, Feb 73

Effect of zinc deficiency and wounding on DNA synthesis in rat skin. Stephan JK, et al.
J Nutr 103:548-52, Apr 73

Distribution of dibenzoxazepines bearing the carboxamide or other side chains in ocular and other tissues of dogs. Dreyfuss J, et al.
J Pharm Sci 62:606-9, Apr 73

Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. Terner C, et al.
J Reprod Fertil 32:453-64, Mar 73

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al.
J Steroid Biochem 4:85-7, Jan 73

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)

Quantification of lowered cholesterol oxidation in guinea pigs with latent vitamin C deficiency. Ginter E, et al. Lipids 8:135-41, Mar 73

Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Nakamura M, et al. Lipids 8:224-31, Apr 73

Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al.
Nature [New Biol] 242:246-8, 25 Apr 73

Carbon monoxide inhibition of progesterone hydroxylation and side-chain cleavage catalyzed by rat testis microsomes. McMurtry RJ, et al.
Steroids Lipids Res 3:8-13, 1972

Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Seilicovich A, et al.
Steroids Lipids Res 3:214-9, 1972

[Effect of PMS and HCG on testicular ascorbic acid content in Bufo arenarum Hensel] Blumenkrantz N, et al. C R Soc Biol (Paris) 166:1212, 1972 (Fre)

[Morphology and function of the appendix testis] Ivens U. Andrologie 4:245-58, 1972 (Eng. Abstr.) (Ger)

[Osmolality of the human seminal plasma] Hofmann N, et al.
Arch Dermatol Forsch 246:35-46, 29 Jan 73 (Eng. Abstr.) (Ger)

[Action of chlordiazine on lipids in the rat testis] Damian E, et al.
Stud Cercet Endocrinol 24:199-202, 1973 (Rum)

[Sphingolipid level and the activity of their hydrolases in the organs of rats with vitamin A deficiency] Leutskii KM, et al.
Ukr Biokhim Zh 45:7-12, 1973 (Eng. Abstr.) (Ukr)

MICROBIOLOGY

Attempts to cultivate and determine the maximum period of viability of Mycobacterium leprae in tissue culture. Fieldsteel AH, et al.
Int J Lepr 40:271-7, Jul-Sep 72

PATHOLOGY

Healing and adhesion formation of peritoneal wounds. An angio-, histoangiographic, and ultrastructural study. Myllärniemi H. Acta Chir Scand 139:258-63, 1973

Testis weight and the histology of the prostate in elderly men. An analysis in an autopsy series. Harbitz TB. Acta Pathol Microbiol Scand [A] 81:148-58, Mar 73

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al.
Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73

Quantification of human seminiferous epithelium. IV. Histological studies in 17 men with numerical and structural autosomal aberrations. Skakkebaek NE, et al. Acta Pathol Microbiol Scand [A] 81:112-24, Mar 73

Effect of lead acetate on reproduction. Hilderbrand DC, et al. Am J Obstet Gynecol 115:1058-65, 15 Apr 73

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al.
Aust J Exp Biol Med Sci 50:861-72, Dec 72

The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Atkinson PM. Br J Surg 60:258-60, Apr 73

The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle. Atkinson PM.
Br J Surg 60:253-8, Apr 73

Glove-powder granuloma of the testis after surgery. Pugh JI, et al. Br J Surg 60:240-2, Mar 73

Familial occurrence of persistent Mullerian structures in otherwise normal males. Brook CG, et al.
Br Med J 1:771-3, 31 Mar 73

Pathologic changes induced by pesticides in the testes and liver of rats. Dikshith TS, et al.
Exp Pathol (Jena) 7:309-16, 1972

Effect of intratesticular administration of metanil yellow in rats. Singh GB, et al.
Exp Pathol (Jena) 7:172-5, 1972

Post-mortem changes in male sex glands. Marcinkowski T. Forensic Sci 2:241-4, May 73

Adenocarcinoma of the testis in a child of 3 years. Goswami PK, et al. Indian J Med Sci 27:28-30, Jan 73

Biological activity of an indigenous plant preparation. Munshi SR, et al.
Indian J Physiol Pharmacol 16:181-9, Jul-Sep 72

Attempts to establish the Armadillo (Dasypus novemcinctus linn.) as a model for the study of leprosy. II. Histopathologic and bacteriologic post-mortem findings in lepromatoid leprosy in the Armadillo. Kirchheimer WF, et al.
Int J Lepr 40:229-42, Jul-Sep 72

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73

Brief communication: ultrastructural transformation of a murine Leydig-cell tumor after gonadotropin administration. Nesves WB.
J Natl Cancer Inst 50:1069-73, Apr 73

A new inbred subline of mice (129-terSv) with a high incidence of spontaneous congenital testicular teratomas. Stevens LC.
J Natl Cancer Inst 50:235-42, Jan 73

Histopathology associated with endoparasitic helminths in bass. Esch GW, et al.
J Parasitol 59:306-13, Apr 73

Structural changes manifested by Sertoli cells during experimental allergic orchitis in guinea-pigs. Kierszenbaum AL, et al.
J Reprod Fertil 33:119-22, Apr 73

Proteins of the seminiferous tubule fluid in man--evidence for a blood-testis barrier. Koskimies AI, et al. J Reprod Fertil 32:79-86, Jan 73

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. J Reprod Fertil 32:391-401, Mar 73

Adenocarcinoma of the rete testis: report of a case. Turner RW, et al. J Urol 109:850-1, May 73

[Histoenzymological study of Klinefelter's testis] Bucur AI, et al. Anat Anz 132:348-55, 1972 (Ger)

[Del Castillo's syndrome associated with diabetes mellitus] Török L, et al.
Andrologie 4:263-7, 1972 (Eng. Abstr.) (Ger)

[Cytophotometric studies on the time of death] Liebhardt E, et al.
Beitr Gerichtl Med 30:277-80, 1973 (Eng. Abstr.) (Ger)

[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al. **Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)**

[Wegener's granulomatosis without involvement of the upper respiratory tract (forme fruste)] Schmidt P, et al. **Fortschr Med 91:43-7, 18 Jan 73 (Ger)**

[Morphology and activity of male gonads in azoospermic sterility] Grabski J, et al. **Ginekol Pol 44:299-307, Mar 73 (Eng. Abstr.) (Pol)**

[Effect of chronic carbon disulfide poisoning on the histologic picture of testicles in white rats] Cymerski Z, et al. **Pol Przegl Chir 45:Suppl 2a:219-2, Feb 73 (Eng. Abstr.) (Pol)**

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskif OK, et al. **Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)**

PHYSIOLOGY

Footholds for survival. Thiessen DD. **Am Sci 61:346-51, May-Jun 73**

Testosterone-stimulation of adenyl cyclase and cyclic 3',5'-adnosine monophosphate- 3 H formation in rat seminal vesicles. Thomas JA, et al. **Biochem Pharmacol 22:507-11, 15 Feb 73**

Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. **Endocrinology 92:769-74, Mar 73**

Androgenic induction of alpha-2u globulin in rats: androgen insensitivity in prepubertal animals. Roy AK. **Endocrinology 92:957-60, Mar 73**

The effects of castration and repositol testosterone treatment on exercise-induced glycogen and free fatty acid mobilization. Taylor AW, et al. **Endokrinologie 61:13-6 passim, 1973**

The role of the thyroid in testicular function in the gecko, Coleonyx variegatus. Plowman MM, et al. **Gen Comp Endocrinol 20:342-6, Apr 73**

Modification of histones during spermatogenesis in trout. 3. Levels of phosphohistone species and kinetics of phosphorylation of histone IIB 1. Louie AJ, et al. **J Biol Chem 248:3335-40, 10 May 73**

Studies on the relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al. **J Biol Chem 248:3288-97, 10 May 73**

Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. **J Biol Chem 248:3202-8, 10 May 73**

The olfactory response of mice to urine and effects of gonadectomy. Davies VJ, et al. **J Endocrinol 55:11-20, Oct 72**

The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. **J Invest Dermatol 60:183-7, Apr 73**

The rôle of the pituitary in the development of the blood-testis barrier in mice. Johnson MH. **J Reprod Fertil 32:509-11, Mar 73**

Proteins of the seminiferous tubule fluid in man--evidence for a blood-testis barrier. Koskimies AI, et al. **J Reprod Fertil 32:79-83, Jan 73**

Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA. **Soy J Dev Biol 3:246-3, May-Jun 72**

An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen binding protein in the epididymis. Hansson V, et al. **Steroids 21:457-74, Mar 73**

[First results on electrophoresis of proteins from the epididymis of immature rats] Fournier-Delpech S. **C R Soc Biol (Paris) 166:1174-5, 1972 (Fre)**

[Effect of fasting and castration on the kinetics of metabolism of testosterone in the duck] Jallageas M, et al. **Gen Comp Endocrinol 20:401-6, Apr 73 (Eng. Abstr.) (Fre)**

[Feto-placental relation in fetal endocrine function] Takagi S, et al. **Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)**

PHYSIOPATHOLOGY

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**

Quantification of human seminiferous epithelium. II. Histological studies in eight 47,XYY men. Skakkebaek NE, et al. **J Reprod Fertil 32:391-401, Mar 73**

Congenital absence of the vas deferens. Koitz PG. **J Urol 109:662-3, Apr 73**

Androgen metabolism in cirrhosis of the liver. Southren AL, et al. **Metabolism 22:695-701, May 73**

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

RADIATION EFFECTS

Tissue lipids in lethally X-irradiated rats. II. Changes in bone marrow, thymus, spleen and testes. Ahlers I, et al. **Folia Biol (Praha) 19:130-4, 1973**

A new biological index of radiosensitivity of individual mice in a closed colony. Ueno Y. **Int J Biometeorol 16:361-5, Dec 72**

The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. **J Endocrinol 56:323-4, Feb 73**

Fractionated x-radiation damage to developing monkey ovaries. Andersen AC, et al. **J Med Primatol 1:318-25, 1972**

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B. **J Steroid Biochem 4:89-118, Jan 73 (88 ref.)**

Chromosome rearrangements induced in the mouse by embryonic x-irradiation. II. Irradiation of male foetuses at the 13.5th day of gestation. Ivanov B, et al. **Mutat Res 18:89-92, Apr 73**

X-ray-induced specific-locus mutation rates in young male mice. Selby PB. **Mutat Res 18:77-88, Apr 73**

X-ray-induced specific-locus mutation rate in newborn male mice. Selby PB. **Mutat Res 18:63-75, Apr 73**

[Effect of fractionated radiation on the radiosensitivity and course of repair processes in mouse ontogenesis] Chudinovskaia GA, et al. **Zh Obshch Biol 34:305-14, Mar-Apr 73 (Eng. Abstr.) (Rus)**

SECRETION

Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al. **J Endocrinol 56:431-9, Mar 73**

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. **J Endocrinol 57:123-34, Apr 73**

Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. **J Endocrinol 55:41-9, Oct 72**

The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. **J Endocrinol 56:323-4, Feb 73**

Effects of gonadectomy on sex differences in DRL behavior. Beatty WW. **Physiol Behav 10:177-8, Jan 73**

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

SURGERY

Effect of neonatal orchiectomy on the expression of histocompatibility antigens. Poláčková M, et al. **Folia Biol (Krakow) 21:13-8, 1973**

[Catamneses of castrated sex delinquents from the forensic and psychiatric viewpoint] Cornu F. **Fortschr Med 90:1035-6, 12 Oct 72 (Ger)**

TRANSPLANTATION

Transplantation of interstitial cells of the testis. Boyle PF, et al. **Br J Surg 60:313, Apr 73**

Androgenization of the neonatal female rat with very low doses of androgen. Sheridan PJ, et al. **J Endocrinol 57:33-45, Apr 73**

[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al. **Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)**

II. Disorders of the Gonads

ARRHENOBLASTOMA

COMPLICATIONS

[A case of biliary cirrhosis of the liver caused by metastasis of hormono-active arrhenoblastoma into hepatic duct] Aprosina ZG, et al.
Ter Arkh 44:102-5, Oct 72 (Eng. Abstr.) (Rus)

PATHOLOGY

[A case of biliary cirrhosis of the liver caused by metastasis of hormono-active arrhenoblastoma into hepatic duct] Aprosina ZG, et al.
Ter Arkh 44:102-5, Oct 72 (Eng. Abstr.) (Rus)

BONNEVIE-ULLRICH SYNDROME

COMPLICATIONS

Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73

DIAGNOSIS

Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73

FAMILIAL & GENETIC

Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73

CRYPTORCHISM

Turner-phenotype in males. Nielsen J, et al.
Clin Genet 4:58-63, 1973

COMPLICATIONS

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al.
Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73
Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al.
Aust J Exp Biol Med Sci 50:861-72, Dec 72
Management of the undescended testis. Klauber GT.
Can Med Assoc J 108:1129-31, 5 May 73
Association of pulmonary hypoplasia, renal anomalies, and Potter's facies. Fraga JR, et al.
Clin Pediatr (Phila) 12:150-3, Mar 73
Excretory urography in asymptomatic boys with cryptorchidism. Donohue RE, et al.
J Urol 109:912-6, May 73
Herniagrams in undescended testes and hydroceles. Dwoskin JY, et al. J Urol 109:520-3, Mar 73
Renal abnormalities in the Russell-Silver syndrome. Haslam RH, et al. Pediatrics 51:216-22, Feb 73
[Association of sexual ambiguity and hypopituitarism] Chaussain JL, et al.
Arch Fr Pediatr 29:890, Oct 72 (Fre)
[Fertility disorders in males. Prevention, diagnosis and therapy from the andrological view point] Landes E, et al. Fortschr Med 91:163-6, 8 Feb 73 (Ger)
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

DIAGNOSIS

Physical examination of four-year-old children. Köhler L. Acta Paediatr Scand 62:181-92, Mar 73
Management of the undescended testis. Klauber GT.
Can Med Assoc J 108:1129-31, 5 May 73

DRUG THERAPY

Management of the undescended testis. Klauber GT.
Can Med Assoc J 108:1129-31, 5 May 73
Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73
[Therapeutic aspects in cryptorchism] Banchieri FR.
J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 (Fre)
[Side-effects of hormonal therapy for cryptorchism] Knorr D. Med Klin 68:566, 27 Apr 73 (Ger)

ENZYMOLOGY

Aminopeptidases of rat testis. II. Effects of puberty, cryptorchidism and cadmium chloride treatment. Vanha-Perttula T. J Reprod Fertil 32:45-53, Jan 73
Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T.
J Reprod Fertil 32:55-63, Jan 73

ETIOLOGY

Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73

OCCURRENCE

Cryptorchidism in the newborn. Santesteban A.
Pediatrics 51:310-1, Feb 73

PATHOLOGY

Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al.
Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73
The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle. Atkinson PM.
Br J Surg 60:253-8, Apr 73
Familial occurrence of persistent Mullerian structures in otherwise normal males. Brook CG, et al.
Br Med J 1:771-3, 31 Mar 73

PHYSIOPATHOLOGY

The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Atkinson PM. Br J Surg 60:258-60, Apr 73

RADIOGRAPHY

Excretory urography in asymptomatic boys with cryptorchidism. Donohue RE, et al.
J Urol 109:912-6, May 73
Herniagrams in undescended testes and hydroceles. Dwoskin JY, et al. J Urol 109:520-3, Mar 73

SURGERY

The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Atkinson PM. Br J Surg 60:258-60, Apr 73
The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle. Atkinson PM.
Br J Surg 60:253-8, Apr 73
Management of the undescended testis. Klauber GT.
Can Med Assoc J 108:1129-31, 5 May 73
Artificial testicles in children: a new silastic gel testicular prosthesis. Puranik SR, et al.
J Urol 109:735-6, Apr 73
Undescended testes. Katzen M.
S Afr Med J 47:465, 17 Mar 73
Undescended testes. Morrison AG.
S Afr Med J 47:285, 24 Feb 73
Surgery of the male genital tract in cattle: a review of 121 cases. Pearson H. Vet Rec 91:498-509, 18 Nov 72

[Therapeutic aspects in cryptorchism] Banchieri FR.
J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 (Fre)
[Early diagnosis of abnormalities in the newborn infant] Eimer H.
Z Geburtshilfe Perinatol 176:439-43, Dec 72 (Eng. Abstr.) (Ger)
[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al.
Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)
[Errors and complications of the surgical treatment of cryptorchism] Voiozhin SI.
Khirurgiia (Mosk) 48:89-92, Oct 72 (Rus)

THERAPY

[Therapeutic aspects in cryptorchism] Banchieri FR.
J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 (Fre)
[Etiology and therapy of the most common congenital malformations--reply to the paper by H. Eimer] Hecker WC, et al.
Fortschr Med 90:1024-5, 12 Oct 72 (Ger)
[Pediatric urology for the general practitioner] Morger R. Z Allgemeinmed 49:360-5, 20 Mar 73 (Ger)

URINE

Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. Z Kinderheilkd 114:155-61, 4 Apr 73

VETERINARY

Surgery of the male genital tract in cattle: a review of 121 cases. Pearson H. Vet Rec 91:498-509, 18 Nov 72

DISGERMINOMA

Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

CHEMICALLY INDUCED

[Testicular tumors induced by cellophane] Korobko IuA. Vopr Onkol 18:65-9, 1972 (Eng. Abstr.) (Rus)

CLASSIFICATION

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al.
Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73
[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)
[Testicular tumors] Vahlensieck W, et al.
Fortschr Med 91:667-70, 24 May 73 (Ger)
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

COMPLICATIONS

Ovarian tumors associated with the Peutz-Jeghers syndrome. Dozois RR, et al.
Prog Clin Cancer 5:187-93, 1973

DIAGNOSIS

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73
Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73
XO-XY gonadal dysgenesis and gonadoblastoma in childhood. Shabrov AV.
Obstet Gynecol 41:536-41, Apr 73
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

DRUG THERAPY

[Studies during and after the administration of mitramycin] Terwindt VA, et al.
Ned Tijdschr Geneeskd 117:676-83, 28 Apr 73 (Eng. Abstr.) (Dut)

ENZYMOLOGY

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al.
J Clin Endocrinol Metab 36:995-8, May 73

ETIOLOGY

[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

FAMILIAL & GENETIC

Y bodies and similar fluorescent chromocentres in human tumours including teratomata. Atkin NB.
Br J Cancer 27:183-9, Feb 73

METABOLISM

The forgotten sperm. O'Rourke DA.
Aust NZ J Obstet Gynaecol 12:216, Aug 72
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973

MORTALITY

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al.
Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73
Seminoma of the testis. Saxena VS.
Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

OCCURRENCE

[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)
[A statistical observation on the clinical bladder tumor] Kurosawa M, et al.
Jap J Urol 63:1001-6, Dec 72 (Eng. Abstr.) (Jap)

PATHOLOGY

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Primary thymic seminoma--a neoplasm ultrastructurally similar to testicular seminoma and distinct from epithelial thymoma. Levine GD.
Cancer 31:729-41, Mar 73
Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73
XO-XY gonadal dysgenesis and gonadoblastoma in childhood. Shabrov AV.
Obstet Gynecol 41:536-41, Apr 73
[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)
[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)
[Extragonadal germ cell tumors of the thymus region] Panchaud JR.
Schweiz Med Wochenschr 103:702-11, 12 May 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Seminoma of the testis. Saxena VS.

Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73

[The value of lymphography for malignant processes above the diaphragm] Nitzsche H, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:179-85, Feb 73 (Eng. Abstr.) (Ger)

[Value of phlebography of the lumbar venous system in retroperitoneal neoplasms] Köhler K, et al.
Radiol Diagn (Berl) 13:783-90, 1972 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al.
Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73

Seminoma of the testis. Saxena VS.
Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973

[Preventive postoperative irradiation of seminoma] Merkas Z, et al.
Strahlentherapie 145:369-72, Apr 73 (Eng. Abstr.) (Ger)

[Indications for and borderlines of endolymphatic therapy of melanoma and seminoma] Kärcher KH, et al.
Strahlentherapie [Sonderb] 72:261-72, 1972 (Eng. Abstr.) (Ger)

SURGERY

Seminoma of the testis. Saxena VS.
Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Primary mediastinal seminoma. A case report and review of the literature. Besznyák I, et al.
J Thorac Cardiovasc Surg 65:930-4, Jun 73

THERAPY

Malignant gynecologic tumors in children: current approaches to treatment. Smith JP, et al.
Am J Obstet Gynecol 116:261-70, 15 May 73

Seminoma of the testis. Saxena VS.
Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

EUNUCHISM

DIAGNOSIS

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

DRUG THERAPY

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972

PHYSIOPATHOLOGY

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

GONADS

ABNORMALITIES

[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE.
Cesk Gynekol 38:201-4, Apr 73 (Cze)

GRANULOSA CELL TUMOR

DIAGNOSIS

[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)

PATHOLOGY

[The feminizing ovarian tumor] Dulberg M, et al.
Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)

[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)

SURGERY

[The feminizing ovarian tumor] Dulberg M, et al.
Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)

[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)

HERMAPHRODITISM

Segregation of hermaphrodites in swine litters. Sittmann K. Can J Genet Cytol 15:229-32, Mar 73

Dosage compensation in Drosophila melanogaster triploids. I. Autoradiographic study. Maroni G, et al.
Chromosoma 40:361-77, 1973

COMPLICATIONS

[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)

DIAGNOSIS

[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al.
Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Cytogenetics of reproductive failure. Khudr G.
J Med Liban 25:349-55, 1972 (23 ref.)

SURGERY

[Modern genetics and our contemporary family law] Haderka J.
Cesk Epidemiol Mikrobiol Imunol 21:119-25, Mar 73 (Eng. Abstr.) (Cze)

[Therapy in male hermaphroditism] Boczkowski K.
Ginekol Pol 44:353-5, Apr 73 (Pol)

THERAPY

[Therapy in male hermaphroditism:] Boczkowski K.
Ginekol Pol 44:353-5, Apr 73 (Pol)

VETERINARY

Gynandromorphism in Aedes triseriatus (Say). Ezenwa AO, et al. J Med Entomol 10:52, 31 Jan 73

HYPOGONADISM

BLOOD

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al.
Aust J Exp Biol Med Sci 50:861-72, Dec 72

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d.
J Urol 109:847-9, May 73

[Testosterone determination in plasma and amniotic fluid using a competitive protein binding method] Stahl F, et al.
Endokrinologie 60:322-8, 1972 (Eng. Abstr.) (Ger)

COMPLICATIONS

Studies on craniopharyngiomas. 3. Stereotaxic

treatment with intracystic yttrium-90. Backlund EO. **Acta Chir Scand 139:237-47, 1973**
Cataracts with obesity, small stature, oligophrenia, and acromicria (Prader-Labhart-Willi syndrome). Vukcevich WM, et al. **Am J Ophthalmol 75:258-60, Feb 73**
Weight control of children with Prader-Willi syndrome. Pipes PL, et al. **J Am Diet Assoc 62:520-4, May 73**
Peutz-Jeghers syndrome. Report of two cases from Lebanon, associated with endocrine abnormalities. Salem GM, et al. **J Med Liban 25:475-80, 1972**
[Neurogerminal degenerations] Vague J, et al. **Bull Acad Nati Med (Paris) 156:541-9, 6 Jun 72 (Fre)**
[Del Castillo's syndrome associated with diabetes mellitus] Török L, et al. **Andrologie 4:263-7, 1972 (Eng. Abstr.) (Ger)**
[Klippel-Feil syndrome with additional deformities] Rodriguez Cuartero A, et al. **Munch Med Wochenschr 115:554-60, 30 Mar 73 (Eng. Abstr.) (Ger)**
[Del Castillo syndrome associated with diabetes mellitus] Török L, et al. **Orv Hetil 114:923-4, 22 Apr 73 (Hun)**
[Hormonal myelopathy (clinico-pathomorphologic study)] German DG, et al. **Zh Nevropatol Psikhiatr 12:1801-8, 1972 (Eng. Abstr.) (Rus)**
[Gynecomastia] Scarpa JB. **Rev Clin Esp 128:361-8, 15 Mar 73 (41 ref.) (Spa)**

DIAGNOSIS

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al. **Arch Intern Med 131:501-7, Apr 73**
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al. **Pediatrics 51:260-71, Feb 73 (60 ref.)**
[Atypical Klinefelter's syndrome with XXXY-chromosomes] Kurschat G, et al. **Andrologie 4:269-75, 1972 (Eng. Abstr.) (Ger)**
[Clinical value of luteonosticon test] Hohlweg W. **Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)**

DRUG THERAPY

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**
Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. **Fertil Steril 24:252-9, Apr 73**
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al. **Pediatrics 51:260-71, Feb 73 (60 ref.)**

ETIOLOGY

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. **Fertil Steril 24:319-23, Apr 73**
Androgen metabolism in cirrhosis of the liver. Southren AL, et al. **Metabolism 22:695-701, May 73**

FAMILIAL & GENETIC

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al. **Arch Intern Med 131:563-9, Apr 73**
The basal cell naevus syndrome. Report of a family with anosmia and a case of hypogonadotrophic hypopituitarism. Wallace DC, et al. **J Med Genet 10:30-3, Mar 73**
A familial syndrome of deafness, alopecia, and hypogonadism. Crandall BF, et al. **J Pediatr 82:461-5, Mar 73**

METABOLISM

Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al. **Arch Intern Med 131:563-9, Apr 73**
[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG. **Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)**

PATHOLOGY

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al. **Arch Intern Med 131:501-7, Apr 73**
Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**
[Del Castillo's syndrome associated with diabetes mellitus] Török L, et al. **Andrologie 4:263-7, 1972 (Eng. Abstr.) (Ger)**

PHYSIOPATHOLOGY

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**
[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haher A, et al. **Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)**
[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al. **Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)**

SURGERY

[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al. **Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)**

URINE

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**

KLINEFELTER'S SYNDROME

COMPLICATIONS

[Klinefelter's syndrome in an undersized child. XY-XXY mosaicism] Weill J, et al. **Ann Endocrinol (Paris) 33:539-40, Sep-Oct 72 (Eng. Abstr.) (Fre)**
[Neurogerminal degenerations] Vague J, et al. **Bull Acad Nati Med (Paris) 156:541-9, 6 Jun 72 (Fre)**
[Fertility disorders in males. Prevention, diagnosis and therapy from the andrological view point] Landes E, et al. **Fortschr Med 91:163-6, 8 Feb 73 (Ger)**
[Dynamics of psychopathologic manifestations in patients with Klinefelter's syndrome] Raĭskaia MM. **Zh Nevropatol Psikhiatr 72:1381-5, 1972 (Eng. Abstr.) (Rus)**

DIAGNOSIS

Delayed puberty. Price WH. **Nurs Mirror 136:16-20, 20 Apr 73**
[Sexchromatin and fluorescent bodies in the buccal smears of 1,000 newborns] Golob E, et al. **Geburtshilfe Frauenheilkd 33:86-92, Feb 73 (Eng. Abstr.) (Ger)**
[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al. **Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)**

ENZYMOLOGY

[Histoenzymological study of Klinefelter's testis] Bucur AI, et al. **Anat Anz 132:348-55, 1972 (Ger)**

FAMILIAL & GENETIC

[Atypical Klinefelter's syndrome with XXXY-chromosomes] Kurschat G, et al. **Andrologie 4:269-75, 1972 (Eng. Abstr.) (Ger)**

OCCURRENCE

Chromosome studies on 11,000 newborn infants. Ratcliffe SG, et al. Arch Dis Child 48:407, May 73

[Genetics and the problems of human reproduction] Golovachev GD.
Vestn Akad Med Nauk SSSR 27:37-43, Nov 72 (Eng. Abstr.) (Rus)

PATHOLOGY

[Nerve fibres in the tubulus walls of testis in patients with Klinefelter's syndrome. Electron microscopic and enzyme-histochemical studies] Leuschner U, et al.
Virchows Arch [Pathol Anat] 358:331-41, 19 Feb 73 (Eng. Abstr.) (Ger)

LEYDIG CELL TUMOR

DIAGNOSIS

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

METABOLISM

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al.
J Biol Chem 248:2691-8, 25 Apr 73

Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice. Bollengier WE, et al.
J Natl Cancer Inst 50:195-200, Jan 73

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

MICROBIOLOGY

Intracytoplasmic A particles: mouse mammary tumor virus nucleoprotein cores? Smith GH, et al.
J Virol 11:575-84, Apr 73

PATHOLOGY

Brief communication: ultrastructural transformation of a murine Leydig-cell tumor after gonadotropin administration. Neaves WB.
J Natl Cancer Inst 50:1069-73, Apr 73

SURGERY

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

OVARIAN CYSTS

Heterogeneity of carbohydrate fragments isolated from human blood group H and Le a active glycoproteins by base-borohydride degradation. Rovis L, et al. Biochemistry 12:1955-61, 8 May 73

COMPLICATIONS

Thrombotic thrombocytopenic purpura presenting with gynaecological manifestations. Mitch WE, et al.
Lancet 808:849-50, 21 Apr 73

Ovarian hemorrhage complicating anticoagulant therapy. Manny J, et al.
Obstet Gynecol 41:512-4, Apr 73

[Virilizing mucoid cyst during pregnancy] Bronstein R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)

[A case of ovarian cyst torsion in an 11-year-old girl] Esipenko IP.
Pediatr Akush Ginekol 1:62, Jan-Feb 72 (Ukr)

DIAGNOSIS

The place of laparoscopy in "normal" gynaecological practice. Blunt A.
Aust NZ J Obstet Gynaecol 12:194-7, Aug 72

[Role and limitations of cellioscopy in ovarian tumors] Serment H, et al.
Rev Fr Gynecol Obstet 67:611-9, Nov 72 (Eng. Abstr.) (Fre)

[Diagnosis of neoplasms and of fluid-filled abdominal or thoracic cavities using single-dimension ultrasonics] Naas W, et al.
Z Aerztl Fortbild (Jena) 67:72-5, 15 Jan 73 (Ger)

[Ovarian tumors in children] Graff G, et al.
Harefuah 83:568-70, 15 Dec 72 (Eng. Abstr.) (Heb)

[Ultrasonic study in the diagnosis of polycystic ovary] Kun L, et al. Orv Hetil 114:1055-6, 6 May 73 (Hun)

[A case of ovarian cyst torsion in an 11-year-old girl] Esipenko IP.
Pediatr Akush Ginekol 1:62, Jan-Feb 72 (Ukr)

ENZYMOLOGY

Enzyme activity in the fluid of the human ovarian follicle. Caucig H, et al. Gynecol Invest 3:215-20, 1972

HISTORY

Who is Houstoun? A biography of Robert Houstoun M.D., F.R.S. 1678-1734. (Houstoun R), Mackinlay CJ.
J Obstet Gynaecol Br Commonw 80:193-200, Mar 73

RADIOGRAPHY

[Experience in the use of contrast peritoneography in a gynecologic clinic] Gunashev KZ.
Vestn Rentgenol Radiol 47:83-7, Nov-Dec 72 (Eng. Abstr.) (Rus)

SURGERY

Intrapelvic dermoid cysts in adolescent girls presenting with urinary retention. A report of 2 cases. Strachan CJ. Br J Surg 60:287-8, Apr 73

Who is Houstoun? A biography of Robert Houstoun M.D., F.R.S. 1678-1734. (Houstoun R), Mackinlay CJ.
J Obstet Gynaecol Br Commonw 80:193-200, Mar 73

Asymptomatic infarction and separation of ovary and distal uterine tube. Sebastian JA, et al.
Obstet Gynecol 41:531-5, Apr 73

[Effect of resection of ovaries on FSH and LH secretion] Stehlíková J, et al.
Cesk Gynekol 38:161-2, Apr 73 (Cze)

OVARIAN DISEASES

[Body built and endocrine changes in women with habitual abortions] Koreneva GP, et al.
Vopr Okhr Materin Det 17:48-51, Nov 72 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Estrogen monitoring and the prevention of ovarian overstimulation during gonadotropin therapy. Karam KS, et al. Am J Obstet Gynecol 115:972-7, 1 Apr 73

COMPLICATIONS

Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72

Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. Obstet Gynecol 41:650-4, May 73

DIAGNOSIS

[Correlation between hormone analyses and endometrial studies in ovarian insufficiency] Link M.
Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)

[Ovarian vein syndrome] Beit I.
Harefuah 84:343-4, 15 Mar 73 (Heb)

DRUG THERAPY

[Hypothalamic-pituitary conditioned amenorrhea and infertility] Strand A.
Tidsskr Nor Laegeforen 92:2184-8, 20 Nov 72 (Eng. Abstr.) (Nor)

ETIOLOGY

Tuboovarian abscess and the intrauterine device (Majzlin Spring). Duckman S, et al.
Am J Obstet Gynecol 115:1157-8, 15 Apr 73

The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J.
Gynecol Prat 23:117-23, 1972

Persisting structural alterations in the uterus and ovaries of rats induced by intrauterine devices. Pollak A, et al. J Reprod Fertil 33:129-33, Apr 73

Pelvic actinomycosis associated with an intrauterine

device. Henderson SR.
Obstet Gynecol 41:726-32, May 73
[Ovarian autoimmunization] Chmielecki A.
Wiad Lek 26:519-21, 15 Mar 73 (Eng. Abstr.) (Pol)

OCCURRENCE

[Indices of the functional state of the ovaries in chemical industry workers] Vasilieva IO, et al.
Pediatr Akush Ginekol 5:54-7, Oct 72 (Ukr)

PATHOLOGY

Tuboovarian abscess and the intrauterine device (Majzlin Spring). Duckman S, et al.
Am J Obstet Gynecol 115:1157-8, 15 Apr 73
The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J.
Gynecol Prat 23:117-23, 1972
[Correlation between hormone analyses and endometrial studies in ovarian insufficiency] Link M.
Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)

SURGERY

The surgical care of severe infections in obstetric and gynecologic patients. Ledger WJ.
Surg Gynecol Obstet 136:753-8, May 73
[Ovarian vein syndrome] Beit I.
Harefuah 84:343-4, 15 Mar 73 (Heb)

URINE

[Correlation between hormone analyses and endometrial studies in ovarian insufficiency] Link M.
Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)

OVARIAN NEOPLASMS

The liver scan in metastatic disease. Rosenthal S, et al.
Arch Surg 106:656-9, May 73
Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. Haymond MW, et al.
J Pediatr 82:682-6, Apr 73
Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Neelon FA, et al.
Lancet 1:631-3, 24 Mar 73
Ovarian tumours in pregnancy. Buttery BW, et al.
Med J Aust 1:345-9, 17 Feb 73
Cancer of the ovary. Hudson CN.
Nurs Mirror 136:19-20, 6 Apr 73
Carcinomatosis. Layzell MS.
Nurs Times 69:503-4, 19 Apr 73
Castrating operations associated with metastatic lesions of the breast. Puga FJ, et al.
Obstet Gynecol 41:713-9, May 73
Melanotic ovarian neoplasms. Hameed K.
Prog Clin Cancer 5:209-17, 1973
Ovarian teratomata. Woodruff JD, et al.
Prog Clin Cancer 5:195-208, 1973

BLOOD

Plasma gonadotropin levels during early stages of ovarian tumorigenesis in mice of the W x -W u genotype. Murphy ED, et al.
Cancer Res 33:721-3, Apr 73
[Serum alpha-fetoproteins and cancer of the liver] Katz S, et al.
Acta Gastroenterol Latinoam 4:117-8, Jul-Sep 72 (Spa)

CHEMICALLY INDUCED

[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD.
Fortschr Med 91:435-40, 12 Apr 73 (Ger)

CLASSIFICATION

Sclerosing stromal tumors of the ovary. Chalvardjian A, et al. **Cancer 31:664-70, Mar 73**
Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and biochemical findings). Motlík K, et al.
Neoplasma 20:97-110, 1973
[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)

COMPLICATIONS

Ovarian teratoma and neuroglial impiants on the peritoneum. Favara BE, et al. **Cancer 31:678-81, Mar 73**
Ovarian tumors associated with the Peutz-Jeghers syndrome. Dozois RR, et al.
Prog Clin Cancer 5:187-93, 1973
[Virilizing mucoid cyst during pregnancy] Bronstein R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)
[Rokitansky-Kuster-Hauser syndrome with bilateral labial hernia containing ovaries with neoplastic changes] Iwaszkiewicz J.
Pol Tyg Lek 28:412-4, 12 Mar 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

Carcinoid heart disease. Clinicopathologic findings and follow-up in 11 cases. Trell E, et al.
Am J Med 54:433-44, Apr 73
Factor influencing survival in Stage I ovarian cancer. Webb MJ, et al.
Am J Obstet Gynecol 116:222-8, 15 May 73
Experience with gynaecological laparoscopy. Condos P.
Aust NZ J Obstet Gynaecol 12:188-93, Aug 72
Sclerosing stromal tumors of the ovary. Chalvardjian A, et al. **Cancer 31:664-70, Mar 73**
The results of screening by cervical cytology and of histological examination of gynaecological operation specimens. Lederer H, et al.
J Obstet Gynaecol Br Commonw 80:67-71, Jan 73
Ovarian tumours in pregnancy. Buttery BW, et al.
Med J Aust 1:345-9, 17 Feb 73
Factors influencing the prognosis of ovarian cystadenocarcinomas. Nieminen U, et al.
Prog Clin Cancer 5:237-47, 1973
[Differential diagnosis of ovarian tumors] Ražný E.
Cesk Gynekol 38:164-5, Apr 73 (Cze)
[Virilizing mucoid cyst during pregnancy] Bronstein R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)
[Alpha feto protein or fetuin and its value in human biology] Wattre P, et al.
Lille Med 17:1454-9, Nov 72 (Fre)
[Role and limitations of cellioscopy in ovarian tumors] Serment H, et al.
Rev Fr Gynecol Obstet 67:611-9, Nov 72 (Eng. Abstr.) (Fre)
[Use of laparoscopy in gynecology] Hausswald HR.
Zentralbl Gynaekol 95:49-53, 12 Jan 73 (Ger)
[Ovarian tumors in children] Graff G, et al.
Harefuah 83:568-70, 15 Dec 72 (Eng. Abstr.) (Heb)
[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)
[Tumor of endodermal sinuses or Schiller's mesonephroma] Urbano U.
Tumori 58:373-88, Nov-Dec 72 (Eng. Abstr.) (Ita)
[Diagnostic problems in splenic cysts] Wojszwillo-Geppert E.
Pol Przegl Chir 45:387-90, Mar 73 (20 ref.) (Pol)
[Differential diagnosis of acute appendicitis and gynecologic diseases] Seleznev EK, et al.
Klin Med (Mosk) 50:148-51, Oct 72 (Eng. Abstr.) (Rus)
[Cytomorphologic characteristics and in vitro growth peculiarities of tumor cells from exudates in ovarian cancer] Lipova VA.
Vopr Onkol 18:35-43, 1972 (Eng. Abstr.) (Rus)
[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)
[The precipitin test for cancer, serum hexokinase and polarography for recognition of malignant tumors] Gnatyshak EA. **Vrach Delo 12:96-7, Dec 72 (Rus)**

DRUG THERAPY

Malignant gynecologic tumors in children: current approaches to treatment. Smith JP, et al.
Am J Obstet Gynecol 116:261-70, 15 May 73
1,3-Bis(2-chloroethyl)-1-nitrosourea (BCNU; NSC-409962) given alone and combined with antimetabolites in the treatment of advanced solid tumors. Cohen SM, et al.
Cancer Chemother Rep 56:751-4, Dec 72
Five-drug combination chemotherapy for disseminated adenocarcinoma. Lokich JJ, et al.
Cancer Chemother Rep 56:761-7, Dec 72

Effect of compounds on a spectrum of rat tumors. Sugiura K, et al.
Cancer Chemother Rep [Suppl] 3:231-308, Nov 72
The second-look operation in ovarian carcinoma. Blinick G, et al. Prog Clin Cancer 5:219-25, 1973
The treatment of ovarian cancer. Sall S, et al. Prog Clin Cancer 5:249-62, 1973
Ovarian teratomata. Woodruff JD, et al. Prog Clin Cancer 5:195-208, 1973

ENZYMOLOGY

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Enzyme activity in the fluid of the human ovarian follicle. Caucig H, et al. Gynecol Invest 3:215-20, 1972

ETIOLOGY

[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feh 73 (Eng. Abstr.) (Cze)
[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)

FAMILIAL & GENETIC

Genetics and colon cancer. Lynch HT, et al.
Arch Surg 106:669-75, May 73
Y bodies and similar fluorescent chromocentres in human tumours including teratomata. Atkin NB.
Br J Cancer 27:183-9, Feb 73
[Means of improving the diagnosis of malignant ovarian neoplasma] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)
[Chromosome characteristics of tumors during changes in drug resistance (experimental study)] Voitovitskii VK, et al.
Vopr Onkol 19:77-82, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al.
Am J Obstet Gynecol 115:966-71, 1 Apr 73
Immunologic studies of human serous cystadenocarcinoma of ovary. Demonstration of tumor-associated antigens. Bhattacharya M, et al.
Cancer 31:588-95, Mar 73
[The concentration of cytotoxins in rat serum during the development of ascitic tumors] Kondrat'eva AV.
Vopr Onkol 18:50-4, 1972 (Eng. Abstr.) (Rus)

METABOLISM

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al.
Am J Obstet Gynecol 115:966-71, 1 Apr 73
Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfuryiation. Leung BS, et al.
Arch Surg 106:515-9, Apr 73
Effects of inhibitors of energetic metabolism on RNA turnover in animal cells. Panchenko LF, et al.
Biochim Biophys Acta 299:103-13, 23 Feh 73
Biochemical diagnosis of malignant carcinoid tumours. Hinterberger H, et al. Pathology 5:1-8, Jan 73

MICROBIOLOGY

Studies on Burkitt's lymphoma. I. A preliminary report on the presence of mycoplasma-like organisms in specimens examined by electron microscopy. Spence IM. S Afr J Med Sci 37:27-32, Jul 72

MORTALITY

Factor influencing survival in Stage I ovarian cancer. Wehh MJ, et al.
Am J Obstet Gynecol 116:222-8, 15 May 73
The role of radiation therapy (including isotopes) in the treatment of cancer of the ovary (results of 614 patients treated at Memorial Hospital, New York, N.Y.). Clark DG, et al. Prog Clin Cancer 5:227-35, 1973
Factors influencing the prognosis of ovarian cystadenocarcinomas. Nieminen U, et al.
Prog Clin Cancer 5:237-47, 1973
The treatment of ovarian cancer. Sall S, et al. Prog Clin Cancer 5:249-62, 1973
The prognostic significance of radiation-related eosinophilia. A preliminary report. Ghossein NA, et al.
Radiology 107:631-3, Jun 73

OCCURRENCE

Ovarian tumours in pregnancy. Buttery BW, et al.
Med J Aust 1:345-9, 17 Feh 73
[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feb 73 (Eng. Abstr.) (Cze)
[Endometrial carcinoma in primary intra- and extragenital multiple tumors] Tatra G, et al.
Wien Med Wochenschr 123:224-7, 7 Apr 73 (Ger)
[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)
[Review of 492 cases of ovarian neoplasms studied during an 11 year period] Valenzuela S, et al.
Ginecol Obstet Mex 33:125-48, Feh 73 (Eng. Abstr.) (Spa)

PATHOLOGY

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Squamous cell carcinoma arising in a dermoid cyst of the ovary. Sivanesaratnam V, et al.
Aust NZ J Obstet Gynaecol 12:269-72, Nov 72
Sclerosing stromal tumors of the ovary. Chalvardjian A, et al. Cancer 31:664-70, Mar 73
Ovarian teratoma and neuroglial implants on the peritoneum. Favara BE, et al. Cancer 31:678-81, Mar 73
Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and biochemical findings). Motlik K, et al.
Neoplasma 20:97-110, 1973
[Gonocytoma--disgerminoma and gonadoblastoma. (Ovarian neoplasms in children and adolescents)] Motlik K, et al.
Cesk Patol 9:14-23, Feh 73 (Eng. Abstr.) (Cze)
[The feminizing ovarian tumor] Dulberg M, et al.
Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)
[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)
[Tumor of endodermal sinuses or Schiller's mesonephroma] Urbano U.
Tumori 58:373-88, Nov-Dec 72 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Cystic teratomas of the ovary in pregnancy. Campbell JB.
Am J Roentgenol Radium Ther Nucl Med 118:14-7, May 73
Pelvic venography. Silverherg PW, et al.
Radiology 107:523-6, Jun 73
[Peritoneography with urovison before the introduction of radio-active gold] Doench K, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:413-7, 1973 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Malignant gynecologic tumors in children: current approaches to treatment. Smith JP, et al.
Am J Obstet Gynecol 116:261-70, 15 May 73
Factor influencing survival in Stage I ovarian cancer. Wehh MJ, et al.
Am J Obstet Gynecol 116:222-8, 15 May 73
On mechanisms of radioresistance of tumors. Baimukhanov SB, et al. Neoplasma 20:79-86, 1973
Eosinophilia following radiation therapy. Muggia FM, et al. Oncology 27:118-27, 1973
The role of radiation therapy (including isotopes) in the treatment of cancer of the ovary (results of 614 patients treated at Memorial Hospital, New York, N.Y.). Clark DG, et al. Prog Clin Cancer 5:227-35, 1973
Factors influencing the prognosis of ovarian

cystadenocarcinomas. Nieminen U, et al.
Prog Clin Cancer 5:237-47, 1973
The treatment of ovarian cancer. Sall S, et al.
Prog Clin Cancer 5:249-62, 1973
Ovarian teratomata. Woodruff JD, et al.
Prog Clin Cancer 5:195-208, 1973
The prognostic significance of radiation-related eosinophilia. A preliminary report. Ghossein NA, et al.
Radiology 107:631-3, Jun 73
[Peritoneography with urovison before the introduction of radio-active gold] Doench K, et al.
Fortschr Geb Roentgenstr Nuklearmed 118:413-7, 1973 (Eng. Abstr.) (Ger)
[Experience in the prevention of the so-called roentgen dermatitis using a new emulsion system] Moayer M.
Radiologe 13:80-1, Feb 73 (Ger)
[Hepatic changes following intraperitoneal radiogold therapy] Morgenroth K, et al.
Strahlentherapie 145:282-8, Mar 73 (Eng. Abstr.) (Ger)
[Change in peripheral blood lymphocytes with radiotherapy] Kozinets GI, et al.
Med Radiol (Mosk) 17:11-6, Nov 72 (Eng. Abstr.) (Rus)

SURGERY

Use of sigmoid colon for rectal substitution following pelvic exenteration. Lagasse LD, et al.
Am J Obstet Gynecol 116:106-10, 1 May 73
Malignant gynecologic tumors in children: current approaches to treatment. Smith JP, et al.
Am J Obstet Gynecol 116:261-70, 15 May 73
Factor influencing survival in Stage I ovarian cancer. Webb MJ, et al.
Am J Obstet Gynecol 116:222-8, 15 May 73
Ovarian tumours in pregnancy. Buttery BW, et al.
Med J Aust 1:345-9, 17 Feb 73
Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and biochemical findings). Motlík K, et al.
Neoplasma 20:97-110, 1973
The second-look operation in ovarian carcinoma. Blinick G, et al. **Prog Clin Cancer 5:219-25, 1973**
The role of radiation therapy (including isotopes) in the treatment of cancer of the ovary (results of 614 patients treated at Memorial Hospital, New York, N.Y.). Clark DG, et al. **Prog Clin Cancer 5:227-35, 1973**
Factors influencing the prognosis of ovarian cystadenocarcinomas. Nieminen U, et al.
Prog Clin Cancer 5:237-47, 1973
The treatment of ovarian cancer. Sall S, et al.
Prog Clin Cancer 5:249-62, 1973
Management of malignant, premalignant, and minimally invasive ovarian lesions. Williams TJ.
Prog Clin Cancer 5:183-6, 1973
Ovarian teratomata. Woodruff JD, et al.
Prog Clin Cancer 5:195-208, 1973
[Virilizing mucoid cyst during pregnancy] Bronstein R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)
[The feminizing ovarian tumor] Dulberg M, et al.
Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)
[Ovarian tumors in children] Graff G, et al.
Harefuah 83:568-70, 15 Dec 72 (Eng. Abstr.) (Heb)
[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)
[Tumor of endodermal sinuses or Schiller's mesonephroma] Urbano U.
Tumori 58:373-88, Nov-Dec 72 (Eng. Abstr.) (Ita)

THERAPY

Factor influencing survival in Stage I ovarian cancer. Webb MJ, et al.
Am J Obstet Gynecol 116:222-8, 15 May 73
The use of immunized pig lymph-node cells in the treatment of patients with advanced malignant disease. Symes MO, et al. **Br J Surg 60:176-80, Mar 73**
The treatment of ovarian cancer. Sall S, et al.
Prog Clin Cancer 5:249-62, 1973
[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)

VETERINARY

Surgical techniques for cage birds. Wallach JD.
Vet Clin N Amer 3:229-36, May 73
[Teratoma formation during pregnancy in a dog] Röcken H.
Berl Munch Tieraerztl Wochenschr 86:74, 15 Feb 73 (Ger)

OVARY

ABNORMALITIES

[Syndrome of testicular feminization and the Mayer-Rokitansky-Küster-Syndrome. A comparison] Schmid-Tannwald I, et al.
Geburtshilfe Frauenheilkd 33:194-8, Mar 73 (Eng. Abstr.) (Ger)

PSEUDOHERMAPHRODITISM

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73
[Normal pregnancy and delivery in female pseudohermaphroditism] Drohnjak P, et al.
Lijec Vjesn 94:236-41, May 72 (Eng. Abstr.) (Cro)

COMPLICATIONS

[Gynecomastia] Scarpa JB.
Rev Clin Esp 128:361-8, 15 Mar 73 (41 ref.) (Spa)

DIAGNOSIS

[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE.
Cesk Gynekol 38:201-4, Apr 73 (Cze)

DRUG THERAPY

[Normal pregnancy and delivery in female pseudohermaphroditism] Drohnjak P, et al.
Lijec Vjesn 94:236-41, May 72 (Eng. Abstr.) (Cro)

ETIOLOGY

Morphological changes in human schistosomiasis and certain analogies in ancient Egyptian sculpture. Hoeppli R. **Acta Trop (Basel) 30:1-11, 1973**
Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. Haymond MW, et al.
J Pediatr 82:682-6, Apr 73

FAMILIAL & GENETIC

Androgen "receptor" in rat liver: cytosol "receptor" deficiency in pseudohermaphrodite male rats. Milin B, et al. **Nature [New Biol] 242:248-50, 25 Apr 73**
[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE.
Cesk Gynekol 38:201-4, Apr 73 (Cze)

METABOLISM

Androgen "receptor" in rat liver: cytosol "receptor" deficiency in pseudohermaphrodite male rats. Milin B, et al. **Nature [New Biol] 242:248-50, 25 Apr 73**

SURGERY

[Normal pregnancy and delivery in female pseudohermaphroditism] Drohnjak P, et al.
Lijec Vjesn 94:236-41, May 72 (Eng. Abstr.) (Cro)

PUBERTY, PRECOCIOUS

[Albright's syndrome (apropos of 2 cases)] Grün G, et al. **Bull Soc Fr Dermatol Syphiligr 79:184-5, 1972 (Fre)**

CHEMICALLY INDUCED

[Side-effects of hormonal therapy for cryptorchism] Knorr D. **Med Klin 68:566, 27 Apr 73 (Ger)**

DIAGNOSIS

McCune-Albright syndrome with sexual precocity in a boy. Nitzan M, et al. **Helv Paediatr Acta 28:61-5, Mar 73**
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

DRUG THERAPY

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)
[Antiandrogens] Neumann F.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)

ETIOLOGY

McCune-Albright syndrome with sexual precocity in a boy. Nitzan M, et al. Helv Paediatr Acta 28:61-5, Mar 73
Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al.
J Clin Endocrinol Metab 36:920-4, May 73
Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

PHYSIOPATHOLOGY

How does the brain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)
[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

SEX CHROMOSOME ABNORMALITIES

Urea and retinoic acid in ichthyosis and their effect on transepidermal water loss and water holding capacity of stratum corneum. Grice K, et al.
Acta Derm Venereol (Stockh) 53:114-8, 1973
X inactivation in man: a woman with t(Xq--;12q+). Sarto GE, et al. Am J Hum Genet 25:262-70, May 73
Isochromosome for the short arm of X, a human 46, XXpi syndrome. De la Chapelle A, et al.
Ann Hum Genet 36:79-87, Jul 72
An adult male with XYYY sex chromosomes. Ridler MA, et al. Clin Genet 4:69-77, 1973
X-chromosomes and human development. Barlow PW.
Dev Med Child Neurol 15:205-8, Apr 73
Psychiatric aspects of brain injury in childhood: a review. Shaffer D.
Dev Med Child Neurol 15:211-20, Apr 73 (52 ref.)
Radiologic manifestations of mongolism. Friedman GL.
J Am Osteopath Assoc 72:619-27, Feb 73
Normal banded karyotype in Noonan syndrome. Borgaonkar DS. Lancet 1:1114, 19 May 73
Aldehyde oxidase as a cell marker for internal organs in Drosophila melanogaster. Janning W.
Naturwissenschaften 59:516-7, Nov 72
Clinical aspects of chromosome aberrations. Dutrillaux B, et al. Triangle 11:81-9, 1972
[Karyotype 46, XX in a patient with a male phenotype] Lubetzki J, et al.
Ann Med Interne (Paris) 123:635-9, Jun-Jul 72 (Fre)
[The selective effect of therapeutic abortion when children thus eliminated are carriers of a recessive autosomic or x-chromosome-linked defect] Pfändler U, et al.
J Genet Hum 20:135-50, Jun 72 (Eng. Abstr.) (Fre)
[2 patients with 47, XYY karyotype. Mental disorders and chromosome abnormalities] Ferrey G, et al.
Rev Med Psychosom 14:399-414, 1972 (Fre)
[Heterochromatin, fluorescence and structure anomalies of Y-chromosome] Bühler EM, et al.
Arch Genet (Zur) 45:27-34, 1972 (Eng. Abstr.) (Ger)
[Main trends and perspectives in the study of oligophrenia] Efroimson VP.
Zh Nevropatol Psikhiatr 72:1413-8, 1972 (Rus)

BLOOD

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al.
Psychol Med 5:28-38, Feb 73

CHEMICALLY INDUCED

Lack of correlation between gross chromosome abnormalities and carcinogenesis with 7,12-dimethylbenz(a)anthracene. Ottonen PO, et al.
J Natl Cancer Inst 50:497-501, Feb 73

COMPLICATIONS

A Y-autosome translocation 46,X,t(Yq-7q+) associated with multiple congenital anomalies. Develing AJ, et al.
J Pediatr 82:495-8, Mar 73
Probable long-arm deletion of Y chromosome in boy of short stature. Telfer M, et al. Lancet 1:608, 17 Mar 73
[Criminology and gonosome aberrations. research on dangerous mental patients with an extra Y chromosome (apropos of 6 cases)] Lazarini HJ, et al.
Med Leg Domm Corpor (Paris) 5:128-38, Apr-Jun 72 (Fre)
[Agressivity, psychopathic delinquency and chromosome Y length] Benezech M, et al.
Nouv Presse Med 2:583, 3 Mar 73 (Fre)
[Unbalanced: pathogenic hypothesis] Blanc M, et al.
Rev Prat 22:3507-15, 11 Oct 72 (Fre)

DIAGNOSIS

Value of fluorescent Y chromosome and sex chromatin tests. Vakil DV, et al.
Acta Cytol (Baltimore) 17:220-3, May-Jun 73
Sex chromosome anomalies detection and fluorescence. Fabris C, et al.
Acta Paediatr Scand 62:307-8, May 73
Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73
XXXX syndrome: case report, and a note on genetic counselling and fertility. Gardner RJ, et al.
Humangenetik 17:323-30, 1973
The use of fluorescence techniques for the recognition of mammalian chromosomes and chromosome regions. Caspersson T, et al.
Int Rev Exp Pathol 11:1-72, 1972 (127 ref.)
XO-XY gonadal dysgenesis and gonadoblastoma in childhood. Shabrov AV.
Obstet Gynecol 41:536-41, Apr 73
[Sexchromatin and fluorescent bodies in the buccal smears of 1,000 newborns] Golob E, et al.
Geburtshilfe Frauenheilkd 33:86-92, Feb 73 (Eng. Abstr.) (Ger)
[Trisomy-X in girls with oligophrenia (cytogenetic and clinical description of 7 cases)] Zotov VV, et al.
Zh Nevropatol Psikhiatr 72:1365-72, 1972 (Eng. Abstr.) (Rus)

ETIOLOGY

XXXX syndrome: case report, and a note on genetic counselling and fertility. Gardner RJ, et al.
Humangenetik 17:323-30, 1973

FAMILIAL & GENETIC

An adult male with XYYY sex chromosomes. Ridler MA, et al. Clin Genet 4:69-77, 1973
A 48,XYYY male: a somatic and psychiatric description. Hunter H, et al.
J Med Genet 10:80-3, Mar 73
Human genetics. Hirschhorn K.
JAMA 224:597-604, 30 Apr 73

OCCURRENCE

Biosocial aspects of life in Britain. Nature and distribution of genetic abnormalities. Carter CO.
J Biosoc Sci 5:261-72, Apr 73
[Genetics and the problems of human reproduction] Golovachev GD.
Vestn Akad Med Nauk SSSR 27:37-43, Nov 72 (Eng. Abstr.) (Rus)
[Trisomy-X in girls with oligophrenia (cytogenetic and clinical description of 7 cases)] Zotov VV, et al.
Zh Nevropatol Psikhiatr 72:1365-72, 1972 (Eng. Abstr.) (Rus)

PATHOLOGY

X-linked aqueductal stenosis: clinical and neuropathological findings in two families. Holmes LB, et al. Pediatrics 51:697-704, Apr 73

PHYSIOPATHOLOGY

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al. Arch Intern Med 131:501-7, Apr 73

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. Psychol Med 5:28-38, Feb 73

URINE

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. Psychol Med 5:28-38, Feb 73

SEX DIFFERENTIATION DISORDERS

Gender identity problems in the sexually ambiguous child. Buchanan B, et al. Mo Med 70:227-9, Apr 73

[Karyotype 46, XX in a patient with a male phenotype] Lubetzki J, et al. Ann Med Interne (Paris) 123:635-9, Jun-Jul 72 (Fre)

[Noonan's syndrome (apropos of 2 cases)] Morand P, et al. Arch Mal Coeur 65:863-73, Jul 72 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

[Somatic sexual differentiation of rat fetuses. The action of clomiphene on fetuses whose mothers had been treated with estradiol or testosterone propionate] Marois M, et al. J Gynecol Obstet Biol Reprod (Paris) 1:781-94, Dec 72 (Eng. Abstr.) (Fre)

COMPLICATIONS

Familial occurrence of persistent Mullerian structures in otherwise normal males. Brook CG, et al. Br Med J 1:771-3, 31 Mar 73

[Association of sexual ambiguity and hypopituitarism] Chaussain JL, et al. Arch Fr Pediatr 29:890, Oct 72 (Fre)

DIAGNOSIS

Delayed puberty. Price WH. Nurs Mirror 136:16-20, 20 Apr 73

[Psychosexual infantilism and PPG (phallopiethysmographic) diagnosis] Nedoma K. Cesk Psychiatr 69:96-101, Apr 73 (Eng. Abstr.) (Cze)

[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al. Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)

[Diagnostic evaluation of patients with intersexuality] Hudcovič A. Cesk Gynekol 38:163-4, Apr 73 (Slo)

FAMILIAL & GENETIC

Familial occurrence of persistent Mullerian structures in otherwise normal males. Brook CG, et al. Br Med J 1:771-3, 31 Mar 73

Human genetics in Poland. Horst A. Hum Biol 45:5-21, Feb 73 (151 ref.)

METABOLISM

[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG. Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

STEIN-LEVENTHAL SYNDROME

[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH. Tidsskr Nor Laegeforen 92:2208-14, 20 Nov 72 (Eng. Abstr.) (Nor)

COMPLICATIONS

Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. Obstet Gynecol 41:650-4, May 73

DIAGNOSIS

The place of laparoscopy in "normal" gynaecological practice. Blunt A. Aust NZ J Obstet Gynaecol 12:194-7, Aug 72

[Ultrasonic study in the diagnosis of polycystic ovary] Kun L, et al. Orv Hetil 114:1055-6, 6 May 73 (Hun)

[Congenital adrenogenital syndrome] Tumilovich LG. Akush Ginekol (Mosk) 49:58-62, Jan 73 (Rus)

DRUG THERAPY

Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72

ENZYMOLOGY

Enzyme activity in the fluid of the human ovarian follicle. Caucig H, et al. Gynecol Invest 3:215-20, 1972

SURGERY

[Effect of resection of ovaries on FSH and LH secretion] Stehlíková J, et al. Cesk Gynekol 38:161-2, Apr 73 (Cze)

TESTICULAR DISEASES

[Errors and complications of the surgical treatment of cryptorchism] Volozhin SI. Khirurgiia (Mosk) 48:89-92, Oct 72 (Rus)

BLOOD

Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d. J Urol 109:847-9, May 73

COMPLICATIONS

Male sterility due to a fistula between the rectum and the common ejaculatory ducts: case report. Abramovici H, et al. Am J Obstet Gynecol 114:840-1, 15 Nov 72

T-mycoplasmas as a possible cause for reproductive failure. Gnarpe H, et al. Nature 242:120-1, 9 Mar 73

[Del Castillo's syndrome associated with diabetes mellitus] Török L, et al. Andrologie 4:263-7, 1972 (Eng. Abstr.) (Ger)

[Del Castillo syndrome associated with diabetes mellitus] Török L, et al. Orv Hetil 114:923-4, 22 Apr 73 (Hun)

DIAGNOSIS

Stenosis of ejaculatory ducts treated by endoscopic resection. Farley S, et al. J Urol 109:664-6, Apr 73

Concomitant bilateral epidermoid cysts of the testes. Strahlberg M, et al. J Urol 109:434-5, Mar 73

[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)

DRUG THERAPY

T-mycoplasmas as a possible cause for reproductive failure. Gnarpe H, et al. Nature 242:120-1, 9 Mar 73

ETIOLOGY

Stenosis of ejaculatory ducts treated by endoscopic resection. Farley S, et al. J Urol 109:664-6, Apr 73

MICROBIOLOGY

T-mycoplasmas as a possible cause for reproductive failure. Gnarpe H, et al. Nature 242:120-1, 9 Mar 73

PATHOLOGY

Testicular microlithiasis. Weinberg AG, et al. Arch Pathol 95:312-4, May 73

[Del Castillo's syndrome associated with diabetes mellitus] Török L, et al. Andrologie 4:263-7, 1972 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Testicular microlithiasis. Weinberg AG, et al. Arch Pathol 95:312-4, May 73

SURGERY

Stenosis of ejaculatory ducts treated by endoscopic resection. Farley S, et al. J Urol 109:664-6, Apr 73
Concomitant bilateral epidermoid cysts of the testes. Strahlberg M, et al. J Urol 109:434-5, Mar 73
[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al. Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)

TESTICULAR FEMINIZATION

Three panels from an IMBI associateship. Harrison P. Med Biol Illus 23:42-5, Feb 73

COMPLICATIONS

Testicular feminisation and inguinal hernia. German J, et al. Lancet 808:891, 21 Apr 73

DIAGNOSIS

Testicular feminisation and inguinal hernia. German J, et al. Lancet 808:891, 21 Apr 73
Delayed puberty. Price WH. Nurs Mirror 136:16-20, 20 Apr 73
[Syndrome of testicular feminization and the Mayer-Rokitansky-Küster-Syndrome. A comparison] Schmid-Tannwald I, et al. Geburtshilfe Frauenheilkd 33:194-8, Mar 73 (Eng. Abstr.) (Ger)
[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al. Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)

TESTICULAR NEOPLASMS

Adenocarcinoma of the testis in a child of 3 years. Goswami PK, et al. Indian J Med Sci 27:28-30, Jan 73
[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)
[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

BLOOD

[Serum alpha-fetoproteins and cancer of the liver] Katz S, et al. Acta Gastroenterol Latinoam 4:117-8, Jul-Sep 72 (Spa)

CHEMICALLY INDUCED

Malignant teratoma of testis in a subfertile man treated with HCG and HMG. A case report. Rubin SO. Scand J Urol Nephrol 7:81-4, 1973
[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD. Fortschr Med 91:435-40, 12 Apr 73 (Ger)
[Testicular tumors induced by cellophane] Korobko IuA. Vopr Onkol 18:65-9, 1972 (Eng. Abstr.) (Rus)

CLASSIFICATION

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al. Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73
[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)
[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

COMPLICATIONS

Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73
[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al. Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

DIAGNOSIS

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73
Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73
Metastatic carcinomas involving the testis: a review. Meares EM Jr, et al. J Urol 109:653-5, Apr 73
Testicular tumor presenting as inferior vena caval thrombosis. Resnick MI, et al. J Urol 109:656-8, Apr 73
Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73
Concomitant bilateral epidermoid cysts of the testes. Strahloerg M, et al. J Urol 109:434-5, Mar 73
Adenocarcinoma of the rete testis: report of a case. Turner RW, et al. J Urol 109:850-1, May 73
[Alpha feto protein or fetuin and its value in human biology] Wattre P, et al. Lille Med 17:1454-9, Nov 72 (Fre)
[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)
[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)
[Clinical value of luteonosticon test] Hohlweg W. Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Sudden arterial occlusion associated with mithramycin therapy. Margileth DA, et al. Cancer 31:708-12, Mar 73
Adrenal rest tumors of the testes. Burke EF, et al. J Urol 109:649-52, Apr 73
The use of drugs in combination for the treatment of cancer: rationale and results. DeVita VT, et al. N Engl J Med 288:998-1006, 10 May 73 (75 ref.)
[Studies during and after the administration of mitramycin] Terwindt VA, et al. Ned Tijdschr Geneeskd 117:676-83, 28 Apr 73 (Eng. Abstr.) (Dut)
[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)
[Therapy of the most important male genital carcinomas] Feustel A. Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)

ENZYMOLOGY

Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al. J Clin Endocrinol Metab 36:995-8, May 73

ETIOLOGY

Familial occurrence of persistent Mullerian structures in otherwise normal males. Brook CG, et al. Br Med J 1:771-3, 31 Mar 73
Management of the undescended testis. Klauber GT. Can Med Assoc J 108:1129-31, 5 May 73
[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

FAMILIAL & GENETIC

A new inbred subline of mice (129-terSv) with a high incidence of spontaneous congenital testicular teratomas. Stevens LC. J Natl Cancer Inst 50:235-42, Jan 73

IMMUNOLOGY

The cancer associated antigen test as an index to failure of complete removal of urological cancers. Wechsler M, et al. J Urol 109:699-701, Apr 73

METABOLISM

The forgotten sperm. O'Rourke DA. Aust NZ J Obstet Gynaecol 12:216, Aug 72
Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice. Bollengier WE, et al. J Natl Cancer Inst 50:195-200, Jan 73
Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. Urol Int 28:127-34, 1973
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant tropboblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973

MICROBIOLOGY

Intracytoplasmic A particles: mouse mammary tumor virus nucleoprotein cores? Smith GH, et al. J Virol 11:575-84, Apr 73

MORTALITY

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al. Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73

Seminoma of the testis. Saxena VS. Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

[Preventive postoperative irradiation of seminoma] Merkaš Z, et al. Strahlentherapie 145:369-72, Apr 73 (Eng. Abstr.) (Ger)

OCCURRENCE

Testis cancer in Negroes. Berg JW, et al. Lancet 1:782-3, 7 Apr 73

[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

[Preventive postoperative irradiation of seminoma] Merkaš Z, et al. Strahlentherapie 145:369-72, Apr 73 (Eng. Abstr.) (Ger)

PATHOLOGY

Primary thymic seminoma--a neoplasm ultrastructurally similar to testicular seminoma and distinct from epithelial thymoma. Levine GD. Cancer 31:729-41, Mar 73

Adenocarcinoma of the testis in a child of 3 years. Goswami PK, et al. Indian J Med Sci 27:28-30, Jan 73

Brief communication: ultrastructural transformation of a murine Leydig-cell tumor after gonadotropin administration. Neaves WB. J Natl Cancer Inst 50:1069-73, Apr 73

A new inbred subline of mice (129-terSv) with a high incidence of spontaneous congenital testicular teratomas. Stevens LC. J Nati Cancer Inst 50:235-42, Jan 73

Metastatic carcinomas involving the testis: a review. Meares EM Jr, et al. J Urol 109:653-5, Apr 73

Testicular tumor presenting as inferior vena caval thrombosis. Resnick MI, et al. J Urol 109:656-8, Apr 73

Adenocarcinoma of the rete testis: report of a case. Turner RW, et al. J Urol 109:850-1, May 73

[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

[Extragonadal germ cell tumors of the thymus region] Panchaud JR. Schweiz Med Wochenschr 103:702-11, 12 May 73 (Eng. Abstr.) (Ger)

[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al. Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

RADIOGRAPHY

Seminoma of the testis. Saxena VS. Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

RADIOTHERAPY

Supervoltage radiation therapy of the testicular tumors. Earle JD, et al. Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73

Seminoma of the testis. Saxena VS. Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. Urol Int 28:127-34, 1973

[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)

[Preventive postoperative irradiation of seminoma] Merkaš Z, et al. Strahlentherapie 145:369-72, Apr 73 (Eng. Abstr.) (Ger)

[Indications for and borderlines of endolymphatic therapy of melanoma and seminoma] Kärcher KH, et al. Strahlentherapie [Sonderb] 72:261-72, 1972 (Eng. Abstr.) (Ger)

SURGERY

Seminoma of the testis. Saxena VS. Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

Metastatic carcinomas involving the testis: a review. Meares EM Jr, et al. J Urol 109:653-5, Apr 73

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

Adenocarcinoma of the rete testis: report of a case. Turner RW, et al. J Urol 109:850-1, May 73

Inadequate orchiectomy for patients with testicular tumors. Markland C, et al. JAMA 224:1025-6, 14 May 73

[Testicular tumors] Vahlensieck W, et al. Fortschr Med 91:667-70, 24 May 73 (Ger)

[Preventive postoperative irradiation of seminoma] Merkaš Z, et al. Strahlentherapie 145:369-72, Apr 73 (Eng. Abstr.) (Ger)

[Therapy of the most important male genital carcinomas] Feustel A. Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)

THERAPY

Seminoma of the testis. Saxena VS. Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73

[Testicular tumors] Frohmüller H. Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

VETERINARY

Surgical techniques for cage birds. Wallach JD. Vet Clin N Amer 3:229-36, May 73

TESTIS

ABNORMALITIES

Subcellular muscle studies in the prune belly syndrome. Mininberg DT, et al. J Urol 109:524-6, Mar 73

Artificial testicles in children: a new silastic gel testicular prosthesis. Puranik SR, et al. J Urol 109:735-6, Apr 73

[Ectopic ureteral implantations] Bruézière J. Acta Urol Belg 41:95-9, Jan 73 (Eng. Abstr.) (Fre)

INJURIES

Functional afferent innervation of testis. Peterson DF, et al. J Neurophysiol 36:425-33, May 73

[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskiĭ ID, et al. Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)

THECA CELL TUMOR

DIAGNOSIS

Sclerosing stromal tumors of the ovary. Chalvardjian A, et al. Cancer 31:664-70, Mar 73

[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al. Harefuah 83:571-3, 15 Dec 72 (Heb)

PATHOLOGY

[The feminizing ovarian tumor] Dulberg M, et al. Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)

[Clinical pathological study of granulosatheca cell

tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)

SURGERY

[The feminizing ovarian tumor] Dulberg M, et al.
Harefuah 83:573-7, 15 Dec 72 (Eng. Abstr.) (Heb)
[Clinical pathological study of granulosatheca cell tumor] Menczer J, et al.
Harefuah 83:571-3, 15 Dec 72 (Heb)

TURNER'S SYNDROME

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)
Turner-phenotype in males. Nielsen J, et al.
Clin Genet 4:58-63, 1973
[Clinico-roentgenological study of the oral cavity in Shereshevskii Turner syndrome] Beliakov IuA, et al.
Stomatologiia (Mosk) 52:69-70, Mar-Apr 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Congenital anomalies of the kidney and renal function in Turner-syndrome. Thomopoulou H, et al.
Endokrinologie 60:329-39, 1972
Unusual abnormal X chromosome in hyperthyroidism and Turner's syndrome. Chang JC, et al.
NY State J Med 73:1101-4, 1 May 73
[Growth disorders in childhood (conclusion)] Bierich JR. Fortschr Med 90:1051-5 concl, 19 Oct 72 (Ger)
[Case of Turner's syndrome with mental disturbances] Tolwiński T, et al.
Wiad Lek 26:649-53, 1 Apr 73 (Eng. Abstr.) (Pol)
[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al.
Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

DIAGNOSIS

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)
Congenital anomalies of the kidney and renal function in Turner-syndrome. Thomopoulou H, et al.
Endokrinologie 60:329-39, 1972
Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73
Delayed puberty. Price WH.
Nurs Mirror 136:16-20, 20 Apr 73
[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE.
Cesk Gynekol 38:201-4, Apr 73 (Cze)
[Pure familial gonadal dysgenesis] Berger R, et al.
Ann Endocrinol (Paris) 33:35-40, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Growth disorders in childhood (conclusion)] Bierich JR. Fortschr Med 90:1051-5 concl, 19 Oct 72 (Ger)
[Significance of cytogenetic analysis in the early diagnosis of intersexuality] Gardó S, et al.
Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Eng. Abstr.) (Ger)
[Comparative characteristics of the EEG of patients with the Shereshevsky-Turner syndrome and with pituitary dwarfism] Frenkel' GM, et al.
Probl Endokrinol (Mosk) 19:40-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Oxandrolone for growth promotion in Turner syndrome. Rosenbloom AL, et al.
Am J Dis Child 125:385-7, Mar 73

FAMILIAL & GENETIC

45,X lymphocyte karyotype in a fertile woman. Grace HJ, et al. Am J Obstet Gynecol 115:279-82, 15 Jan 73
Turner-phenotype in males. Nielsen J, et al.
Clin Genet 4:58-63, 1973
Human dicentric Y chromosomes. Case report and review of the literature. Cohen MM, et al.
J Med Genet 10:74-9, Mar 73
Noonan's syndrome and cryptorchidism. Redman JF.
J Urol 109:909-11, May 73
Human genetics. Hirschhorn K.
JAMA 224:597-604, 30 Apr 73
Unusual abnormal X chromosome in hyperthyroidism and Turner's syndrome. Chang JC, et al.
NY State J Med 73:1101-4, 1 May 73
[Differential diagnosis of syndromes with dysgenesis and agenesis of gonads] Jirásek JE.
Cesk Gynekol 38:201-4, Apr 73 (Cze)
[Pure familial gonadal dysgenesis] Berger R, et al.
Ann Endocrinol (Paris) 33:35-40, Jan-Feb 72 (Eng. Abstr.) (Fre)
[Case of Turner's syndrome with mental disturbances] Tolwiński T, et al.
Wiad Lek 26:649-53, 1 Apr 73 (Eng. Abstr.) (Pol)
[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al.
Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

METABOLISM

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)

PATHOLOGY

The proteins of human myelin in inborn errors of metabolism and in chromosomal anomalies. Palo J, et al. Acta Neuropathol (Berl) 24:56-61, 30 Mar 73
[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al.
Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

PHYSIOPATHOLOGY

45,X lymphocyte karyotype in a fertile woman. Grace HJ, et al. Am J Obstet Gynecol 115:279-82, 15 Jan 73

RADIOGRAPHY

Congenital anomalies of the kidney and renal function in Turner-syndrome. Thomopoulou H, et al.
Endokrinologie 60:329-39, 1972

THERAPY

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

ADMINISTRATION & DOSAGE

[Modification of protein metabolism by anabolic steroids in various protein diets in patients with chronic liver diseases] Blahníková L, et al.
Cesk Gastroenterol Vyz 27:121-7, Apr 73 (Eng. Abstr.) (Cze)

[Mechanism of action of anabolic steroids in the treatment of diabetes mellitus] Efimov AS, et al.
Ter Arkh 44:90-4, Oct 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Androgens and athletes. Frasier SD.
Am J Dis Child 125:479-80, Apr 73

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 809:934, 28 Apr 73

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

[Virilization changes in the voice organ as a phoniatric problem] Pruszewicz A, et al.
Otolaryngol Pol 27:131-9, 1973 (Eng. Abstr.) (Pol)

ANTAGONISTS & INHIBITORS

[Hormonal and antihormonal activity of steriod catabolism products of the hexahydroindan group] Schnabel R, et al.
Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)

METABOLISM

[Modification of protein metabolism by anabolic steroids in various protein diets in patients with chronic liver diseases] Blahníková L, et al.
Cesk Gastroenterol Vyz 27:121-7, Apr 73 (Eng. Abstr.) (Cze)

PHARMACODYNAMICS

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973

[Changes of weight, nitrogen, potassium and phosphorus in various organs of rats following administration of anabolic steroids] Horký J, et al.
Cesk Gastroenterol Vyz 27:151-7, Apr 73 (Eng. Abstr.) (Cze)

[Anabolic steroids and the functional state of the liver (a survey of the literature)] Vokov NF.
Klin Med (Mosk) 50:63-7, Dec 72 (Rus)

THERAPEUTIC USE

[Treatment of weight loss] Vague J.
Rev Prat 22:4597-603, 21 Dec 72 (Fre)

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

[Etiopathogenetic, clinical and therapeutic aspects of involutive myelopathies] Corneo G, et al.
Recent Prog Med (Roma) 54:44-76, Jan 73 (Eng. Abstr.) (Ita)

[Virilization changes in the voice organ as a phoniatric problem] Pruszewicz A, et al.
Otolaryngol Pol 27:131-9, 1973 (Eng. Abstr.) (Pol)

[Anabolic steroids and the functional state of the liver (a survey of the literature)] Vokov NF.
Klin Med (Mosk) 50:63-7, Dec 72 (Rus)

[Mechanism of action of anabolic steroids in the treatment of diabetes mellitus] Efimov AS, et al.
Ter Arkh 44:90-4, Oct 72 (Eng. Abstr.) (Rus)

[Chronic lympholeukemia--a disease of immunologic insufficiency] Faĭnshteĭn FE, et al.
Ter Arkh 44:9-13, Sep 72 (22 ref.) (Rus)

ANDROGENS

Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. Haymond MW, et al.
J Pediatr 82:682-6, Apr 73

Androgen-binding protein in efferent duct fluid of rat testis. French FS, et al.
J Reprod Fertil 32:479-83, Mar 73

An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen binding protein in the epididymis. Hansson V, et al.
Steroids 21:457-74, Mar 73

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

ADVERSE EFFECTS

Androgens and athletes. Frasier SD.
Am J Dis Child 125:479-80, Apr 73

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 809:934, 28 Apr 73

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

[Anabolic steroids and the functional state of the liver (a survey of the literature)] Vokov NF.
Klin Med (Mosk) 50:63-7, Dec 72 (Rus)

ANALYSIS

Androgens in skin surface lipids. Karunakaran ME, et al. J Invest Dermatol 60:121-5, Mar 73

Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al.
Steroids 21:593-608, Apr 73

[Determination of the androgen saturation of the organism using hormonal skin tests] Korik GG.
Urol Nefrol (Mosk) 38:49-52, Jan-Feb 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate. Szabo S, et al. Experientia 29:185-6, 15 Feb 73

Antiandrogen effects on canine prostatic secretion. Schoonees R, et al. Invest Urol 10:434-7, May 73

Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73

The effect of a new anti-androgen on canine prostatic acid phosphatase. Brooks JR, et al.
Proc Soc Exp Biol Med 142:1063-6, Apr 73

Binding of cyproterone acetate to plasma proteins. Sammelwitz PH, et al.
Proc Soc Exp Biol Med 143:189-91, May 73

Cyproteronacetate in sexualogical outpatient practice. Boas C van E.
Psychiatr Neurol Neurochir 76:151-4, Mar-Apr 73

Manipulation of sexual bebaviour by anti-androgens. Werff ten Bosch JJ van.
Psychiatr Neurol Neurochir 76:147-9, Mar-Apr 73
Tbe ultrastructure of tbe pars distalis of the bypopbysis in males of Triturus cristatus carnifex Laur., treated witb tbe antiandrogen cyproterone acetate. Della Corte F, et al.
Z Zellforsch Mikrosk Anat 137:209-21, 12 Feb 73
[Anti-androgenic tberapy for prostate carcinoma] Schoonees R.
S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)
[Hormonal and antihormonal activity of steriod catabolism products of tbe bexahydroindan group] Schnabel R, et al.
Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)
[Antiandrogens] Neumann F.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)
[Action mechanism of androgen on the prostate] Shida K, et al.
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

BIOSYNTHESIS

Studies on tbe biosyntbesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
[Androgens. Biocbemistry, pbarmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)
[Biosynthesis of estrogens during pregnancy (survey of tbe literature)] Bagramian ER, et al.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)

BLOOD

Studies on tbe biosyntbesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72
Androgen responses during pbysical exercise. Sutton JR, et al. Br Med J 1:520-2, 3 Mar 73
Human luteinizing bormone in man: studies of metabolism and biological action. Marshall JC, et al.
J Endocrinol 56:431-9, Mar 73
Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Brennan MJ, et al.
Lancet 1:1076-9, 19 May 73

METABOLISM

Perfusion of tbe boar testis witb androstenediol sulfate in vivo and studies on tbe in vitro metabolism of androgens by porcine blood cells. Kraemer MA, et al.
Can J Biochem 51:390-6, Apr 73
Studies on tbe relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al.
J Biol Chem 248:3288-97, 10 May 73
Evidence for an androgen-independent mechanism regulating tbe levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73
Strain differences in testicular weigbt and spermatogenesis witb special reference to C57BL-10J and DBA-2J mice. Shire JG, et al.
J Endocrinol 55:163-71, Oct 72
The specificity of the estrogen receptor of human uterus. Hähnel R, et al.
J Steroid Biochem 4:21-31, Jan 73
Metabolism of androgens by human breast tissue. Miller WR, et al. Lancet 809:912-3, 28 Apr 73
Androgen metabolism in cirrbosis of tbe liver. Southren AL, et al. Metabolism 22:695-701, May 73
Aromatization of androstenedione and testosterone by rbesus monkey bypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973
Metabolism of hormones, drugs and otber substances by tbe gut. Hartiala K.
Physiol Rev 53:496-534, Apr 73 (372 ref.)
Androgenic activity of the adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72
Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972
Kinetic study of tbe metabolism of (4- 14 C) dehydroepiandrosterone by normal early buman placental tissue. I. Androgenic derivatives. Mirbom YW, et al. Steroids Lipids Res 3:160-9, 1972
Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972
Genetic association between a histocompatibility gene (H-2) and androgen metabolism in mice. Iványi P, et al. Transplant Proc 5:189-91, Mar 73

PHARMACODYNAMICS

The responses of tbe sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. J Invest Dermatol 60:183-7, Apr 73
Androgenic activity of tbe adrenals in guinea pig embryos. Ivanova EA.
Sov J Dev Biol 3:246-8, May-Jun 72
[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

PHYSIOLOGY

Effect of neonatal orchiectomy on the expression of histocompatibility antigens. Poláčková M, et al.
Folia Biol (Krakow) 21:13-8, 1973
[Action mechanism of androgen on tbe prostate] Shida K, et al.
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)
[Diseases caused by adrenal dysbormonogenesis. The concept of minor enzymopatby. The 3 beta-bydroxysteroid dehydrogenase block; its possible importance in the patbogenesis of breast cancer] Sobrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)
[Molecular basis of the relation between tbe cytotoxic effect of antineoplastic compounds and tbe cell cycle phase] Belousova AK.
Vopr Onkol 18:88-96, 1972 (70 ref.) (Rus)

SECRETION

[Androgens. Biochemistry, pharmacodynamics and tberapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

THERAPEUTIC USE

Bone-marrow depression in childhood. Hughes DW.
Med J Aust 1:357-9, 17 Feb 73
Erythroleukaemia in a melphalan-treated patient with primary macroglobulinaemia. Petersen HS.
Scand J Haematol 10:5-11, 1973
[Sheehan's disease followed by severe arterial bypertension with right renal artery stenosis. Discussion of tbe role of hypopituitarism in atberogenesis] Albeaux-Fernet M, et al.
Sem Hop Paris 49:261-5, 20 Jan 73 (Eng. Abstr.) (Fre)
[Fuso-cellular tbymoma associated witb erythroblastopenia, megakaryocytopenia and cytomegalic inclusion disease] Bernadou A, et al.
Sem Hop Paris 48:3443-9, 20 Dec 72 (Eng. Abstr.) (Fre)
[Hair growth disorders following sex hormone treatment--tberapy of hair growth disorders using sex bormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Androgens. Biocbemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)
[Current status and treatment of nasopharyngeal fibroma] Lazeanu M, et al.
Otorinolaringologie 18:1-16, Jan-Feb 73 (Eng. Abstr.) (Rum)
[Anabolic steroids and tbe functional state of tbe liver (a survey of tbe literature)] Vokov NF.
Klin Med (Mosk) 50:63-7, Dec 72 (Rus)

URINE

Studies on tbe biosyntbesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72
The role of gas-liquid chromatography in steroid bormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73
Urinary and plasma androgens in benign breast disease.

Possible relation to breast cancer. Brennan MJ, et al. Lancet 1:1076-9, 19 May 73
[Excretion of sex hormones in patients with stomach and duodenal ulcers] Kochkarev VM. Ter Arkh 44:29-31, Oct 72 (Eng. Abstr.) (Rus)

ANDROSTANES

Use of ketamine and pancuronium for anesthesia for patients in hemorrhagic shock. Chasapakis G, et al. Anesth Analg (Cleve) 52:282-7, Mar 73
Transformations of steroidal neopentyl systems. VII. Mechanism of the transformation of (19R)-hydroxy-19a-methyl-(5)-3-ones to 19-keto-19a-methyl-(5)-3 -hydroxy analogs. Wicha J, et al. J Org Chem 38:1280-3, 6 Apr 73
The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-D-homo-5 -androstane dimethiodide. Marshall IG, et al. J Pharm Pharmacol 24:Suppl:146P, Dec 72
Synthesis and antimicrobial properties of 17 -isopentyloxy-4-aza-5 -androstane and the 4-methyl derivative. Doorenbos NJ, et al. J Pharm Sci 62:538-40, Apr 73
[Photolysis of 20-hydroxysteroids. I. Synthesis of 18 leads to 20-lactones] Habermehl G, et al. Naturwissenschaften 59:648-9, Dec 72 (Ger)
[Experiences with pancuronium bromide (Pancuronium "Organon") in aged patients] Forgács I. Z Allgemeinmed 49:387-8, 20 Mar 73 (Ger)

ADMINISTRATION & DOSAGE

Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al. Endocrinology 92:941-5, Mar 73

ANALYSIS

Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73

BIOSYNTHESIS

Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72
[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73

BLOOD

Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972
Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experimenta. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

CHEMICAL SYNTHESIS

Inversions of both adjacent centers in the formolysis of a 2,2,6-trialkylcyclohexyl tosylate. Formation of a 13 -D-homo steroid. Hirschmann FB, et al. J Org Chem 38:1270-5, 6 Apr 73
Synthesis and antimicrobial properties of 17 -isopentyloxy-4-aza-5 -androstane and the 4-methyl derivative. Doorenbos NJ, et al. J Pharm Sci 62:538-40, Apr 73

ISOLATION & PURIFICATION

Effect of estradiol on the metabolism of testosterone by rat prostate. Fencl M de M, et al. Steroids 21:537-52, Apr 73

METABOLISM

The formation of 16,17-dihydroxylated C 19 steroids from 16-dehydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA. Biochim Biophys Acta 296:179-88, 19 Jan 73
Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73
Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
The metabolism of testosterone by human male scalp skin. Bingham KD, et al. J Endocrinol 57:111-21, Apr 73
Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. J Steroid Biochem 4:85-7, Jan 73
Ribonucleoprotein binding of steroid-"receptor" complexes. Liao S, et al. Nature [New Biol] 241:211-3, 14 Feb 73
Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972
On the 2-hydroxylation of testosterone by human fetal liver microsomes. Lisboa BP, et al. Steroids Lipids Res 3:142-50, 1972
Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experimenta. Nienstedt W, et al. Steroids Lipids Res 3:193-200, 1972

PHARMACODYNAMICS

Pancuronium bromide: a double-blind comparison with d-tubocurarine for intubation in adults. Bennett EJ, et al. Anesth Analg (Cleve) 52:195-7, Mar 73
Hormonal effects in vitro on prostatic ribonucleic acid polymerase. Davies P, et al. Biochem J 129:1167-9, Oct 72
A clinical comparison between tubocurarine and pancuronium in children. Nightingale DA, et al. Br J Anaesth 45:63-70, Jan 73
Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al. Endocrinology 92:941-5, Mar 73
Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73
Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion. Zanisi M, et al. J Endocrinol 56:315-6, Feb 73
The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. J Invest Dermatol 60:183-7, Apr 73
Synthesis and antimicrobial properties of 17 -isopentyloxy-4-aza-5 -androstane and the 4-methyl derivative. Doorenbos NJ, et al. J Pharm Sci 62:538-40, Apr 73
Cardiac effects of pancuronium bromide. Orkin FK, et al. JAMA 224:630, 30 Apr 73
On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Erbler HC. Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973

URINE

Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72

ANDROSTENES

The improvement of specificity in radioimmunoassays. Phillips AP. Clin Chim Acta 44:333-40, 30 Mar 73

ADMINISTRATION & DOSAGE

Androgenization of the female rat with androstenediol. Johnson DC. J Reprod Fertil 32:159-61, Jan 73
The effect of a new anti-androgen on canine prostatic acid phosphatase. Brooks JR, et al. Proc Soc Exp Biol Med 142:1063-6, Apr 73

ANALYSIS

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al. Brain Res 53:139-50, 13 Apr 73
Identification and measurement of sulphate-conjugated neutral steroids in the intestinal

contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73
Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al. Steroids 21:593-608, Apr 73

ANTAGONISTS & INHIBITORS

Growth inhibition of Tetrahymena pyriformis by a hypocholesteremic compound and the mechanism of its reversal by various lipids. Holmlund CE. Biochim Biophys Acta 296:221-33, 19 Jan 73

BIOSYNTHESIS

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73

BLOOD

Identification of unconjugated androst-5-ene-diol in human peripheral plasma. Demisch K, et al. Eur J Biochem 34:25-7, 2 Apr 73
The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C. Steroids 21:583-92, Apr 73
[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al. Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)
[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

ISOLATION & PURIFICATION

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al. Brain Res 53:139-50, 13 Apr 73
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972
Effect of estradiol on the metabolism of testosterone by rat prostate. Fenci M de M, et al. Steroids 21:537-52, Apr 73

METABOLISM

Distribution of steroid 1-dehydrogenation and side-chain degradation enzymes in the spores of Fusarium solani: causes of metabolic lag and carbohydrate independence. Plourde R, et al. Appl Microbiol 25:650-8, Apr 73
The formation of 16,17-dihydroxylated C 19 steroids from 16-dehydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA. Biochim Biophys Acta 296:179-88, 19 Jan 73
Species distribution of testosterone-binding globulin. Corvol P, et al. Biol Reprod 8:277-82, Apr 73
Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of androgens by porcine blood cells. Kraemer MA, et al. Can J Biochem 51:390-6, Apr 73
Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
Steroid metabolism by the chin gland of the male cuis, Galea musteloides. Holt WV, et al. J Reprod Fertil 33:53-9, Apr 73
Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972
The epimeric 20-hydroperoxy-5-pregnen-3 -ols: thermal and enzymatic decomposition. Lier JE van, et al. Steroids 21:521-36, Apr 73
[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al. Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)
[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al. Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Growth inhibition of Tetrahymena pyriformis by a hypocholesteremic compound and the mechanism of its reversal by various lipids. Holmlund CE. Biochim Biophys Acta 296:221-33, 19 Jan 73
In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73
Androgenization of the female rat with androstenediol. Johnson DC. J Reprod Fertil 32:159-61, Jan 73
The effect of a new anti-androgen on canine prostatic acid phosphatase. Brooks JR, et al. Proc Soc Exp Biol Med 142:1063-6, Apr 73
Protection by catatoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Selye H, et al. Steroids Lipids Res 3:156-9, 1972
[Increased enzymatic activity induced by formyldienolone. I. Succinate dehydrogenase] Gomarasca P, et al. Boll Chim Farm 111:731-9, Dec 72 (Eng. Abstr.) (Ita)

URINE

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)
[Metabolism of dehydroepiandrosterone lauryl sulfate in psoriasis] Hoffmann G, et al. Steroids Lipids Res 3:229-35, 1972 (Eng. Abstr.) (Ger)

ANDROSTENOL

BIOSYNTHESIS

The formation of 16,17-dihydroxylated C 19 steroids from 16-dehydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA. Biochim Biophys Acta 296:179-88, 19 Jan 73

METABOLISM

The formation of 16,17-dihydroxylated C 19 steroids from 16-dehydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA. Biochim Biophys Acta 296:179-88, 19 Jan 73
Histochemical localization of hydroxysteroid dehydrogenases in the maxillary glands of pigs. Flood PF. J Reprod Fertil 32:125-7, Jan 73

CHLORMADINONE

The effect of oral norethisterone on serum lipid levels in premenopausal women. Gowland E, et al. J Obstet Gynaecol Br Commonw 80:357-9, Apr 73

ADMINISTRATION & DOSAGE

[Evaluation of the effects of chlormadinone in the treatment of threatened abortion] Cárdenas J. Ginecol Obstet Mex 33:121-4, Jan 73 (Spa)

ADVERSE EFFECTS

Mesenteric venous thrombosis in two women taking oral contraceptives. Ellis DL, et al. Am J Surg 125:641-4, May 73
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al. Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
Effect of chlormadinone on the composition of human milk. Sammour MB, et al. Fertil Steril 24:301-4, Apr 73
Effect of human chorionic gonadotropin on pregnancy rate of heifers, when used under field conditions. Brown H, et al. J Am Vet Med Assoc 162:456-7, 15 Mar 73
[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas]

Gontscharow NP, et al.
Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)
[Serum proteinase inhibitor capacity during administration of the oral contraceptive Ovosiston] Duck HJ, et al.
Zentralbl Gynaekol 95:343-8, 9 Mar 73 (Ger)

THERAPEUTIC USE

Effect of chlormadinone on the composition of human milk. Sammour MB, et al. Fertil Steril 24:301-4, Apr 73
[Treatment of cows with periodic estrus using a depot gestagen] Winkler H, et al.
Berl Munch Tieraerztl Wochenschr 86:61-4, 15 Feb 73 (Eng. Abstr.) (Ger)
[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Evaluation of the effects of chlormadinone in the treatment of threatened abortion] Cárdenas J.
Ginecol Obstet Mex 33:121-4, Jan 73 (Spa)

CHLOROTRIANISENE

THERAPEUTIC USE

[Chlorotrianisene therapy of menstrual function disorders and of female sterility of endocrine origin] Kheifets SN, et al.
Akush Ginekol (Mosk) 49:36-40, Jan 73 (Eng. Abstr.) (Rus)

CLOMIPHENE

ADMINISTRATION & DOSAGE

The treatment of subfertile men with clomiphene citrate. Foss GL, et al. J Reprod Fertil 32:167-70, Jan 73
Antifertility effect of three new clomiphene analogues on animals. Basu J. Jap J Exp Med 43:9-15, Feb 73
Cycle pattern and pregnancy rate following combined clomiphene-estrogen therapy. Insler V, et al.
Obstet Gynecol 41:602-7, Apr 73

ADVERSE EFFECTS

Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73

DIAGNOSTIC USE

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)
[FSH and LH plasma levels and their reaction to clomiphene in 3 cases of amenorrhea-galactorrhea syndrome] Netter A, et al.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Reproductive pattern after completion of ovulation stimulation treatment. Cox LW.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72
Induction of ovulation in goldfish by clomiphene citrate. Pandey S, et al. Can J Zool 50:1679-80, Dec 72
Leukocyte alkaline phosphatase monitoring of ovarian function in normal and clomiphene-treated cycles. Polishuk WZ, et al. Fertil Steril 24:245-51, Apr 73
The endometrial karyotypic profiles of women after clomiphene citrate therapy. Charles D, et al.
J Obstet Gynaecol Br Commonw 80:264-70, Mar 73
A pituitary function test with synthetic LH-releasing hormone. Keller PJ.
J Obstet Gynaecol Br Commonw 80:72-4, Jan 73
Antifertility effect of three new clomiphene analogues on animals. Basu J. Jap J Exp Med 43:9-15, Feb 73
Multiple pregnancy. 1. Benirschke K, et al.
N Engl J Med 288:1276-84, 14 Jun 73 (105 ref.)
[Hormonal parameters in the anovulation cycle of the woman] Horský J, et al.
Cesk Gynekol 38:155-6, Apr 73 (Cze)
[Somatic sexual differentiation of rat fetuses. The action of clomiphene on fetuses whose mothers had been treated with estradiol or testosterone propionate] Marois M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:781-94, Dec 72 (Eng. Abstr.) (Fre)
[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al.
Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)
[Experimental study on ovulation induction by cyclofenil (sexovid, F6066), with special reference to its effect on the ovary] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:193-201, Feb 73 (Jap)

THERAPEUTIC USE

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al.
Am J Obstet Gynecol 115:193-6, 15 Jan 73
Reproductive pattern after completion of ovulation stimulation treatment. Cox LW.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72
Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. Fertil Steril 24:252-9, Apr 73
The endometrial karyotypic profiles of women after clomiphene citrate therapy. Charles D, et al.
J Obstet Gynaecol Br Commonw 80:264-70, Mar 73
The treatment of subfertile men with clomiphene citrate. Foss GL, et al. J Reprod Fertil 32:167-70, Jan 73
Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73
Cycle pattern and pregnancy rate following combined clomiphene-estrogen therapy. Insler V, et al.
Obstet Gynecol 41:602-7, Apr 73
Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973
[Excretion of luteinizing hormone and clomiphene] Ruiz Velasco V.
Ginecol Obstet Mex 33:167-84, Feb 73 (Eng. Abstr.) (Spa)
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

CONTRACEPTIVES, ORAL

Colonization with genital mycoplasmas in women. McCormack WM, et al.
Am J Epidemiol 97:240-5, Apr 73
Metabolic effects of contraceptive steroids. Warren MP. Am J Med Sci 265:4-21, Jan 73 (62 ref.)
The impact of hormonal contraceptive therapy on a community and effects on cytopathology of the cervix. Miller DF.
Am J Obstet Gynecol 115:978-82, 1 Apr 73
Surgical management of thoracic outlet syndrome by first rib resection. Somerndike JM, et al.
Am Surg 39:250-2, Apr 73
Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al.
Antonie van Leeuwenhoek 39:21-31, 1973
Gynaecological survey in a metropolitan area of Melbourne. Wood C.
Aust NZ J Obstet Gynaecol 12:147-56, Aug 72
On the role of steroi hydroperoxides in steroid metabolism. Lier JE van, et al.
Biochem Soc Symp 34:21-43, 1972 (115 ref.)
Detection, characterization and diagnostic significance of human pregnancy-associated glycoproteins. Bohn H. Biut 26:205-9, Mar 73
A case of hydrocolpos. Dawson WG.
Br Med J 2:155, 21 Apr 73
Free contraceptives. Haigh RD. Br Med J 1:553, 3 Mar 73
Contraceptives on the NHS. Br Med J 2:116-7, 14 Apr 73
Estimation of norms from a controlled sample survey. II. Influence of body habitus, oral contraceptives, and other factors on values for the normal range derived from the SMA 12-60 screening group of tests. Winkelman JW, et al. Clin Chem 19:488-91, May 73
Adolescent sexuality. Counseling, contraception, pregnancy. Wolfish MG.
Clin Pediatr (Phila) 12:244-7, Apr 73
LH and FSH releasing potency of the synthetic decapeptide
p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Thomas K, et al.
Contraception 6:55-64, Jul 72

Drugs and agents used for fertility control. Wahi PN. Indian J Physiol Pharmacol 16:177-9, Jul-Sep 72
"Under what circumstances will you prescribe The Pill"? J Am Osteopath Assoc 72:776-81, Apr 73
Family planning in Yugoslavia with special reference to the province of Vojvodina. Kapor-Stanulović N, et al. J Biosoc Sci 5:179-85, Apr 73
Motivational factors and socio-economic characteristics of vasectomized males. Kohli KL. J Biosoc Sci 5:169-77, Apr 73
Medical profession and family welfare planning. Jackson MC. J Indian Med Assoc 59:324-6, 16 Oct 72
Oral pill pilot project in India. Jainawalla SF. J Indian Med Assoc 59:344-8, 16 Oct 72
The Dalkon Shield in private practice. Azoury RS. J Med Liban 25:541-6, 1972
Normalized resin uptake of displaced 125 I-T 4 using denatured serum. Mitchell ML. J Nucl Med 14:336-40, Jun 73
The effect of the statement by the Committee on Safety of Drugs concerning oral contraceptives containing oestrogens on the contraceptive practices of women attending two family planning clinics. Badaracco M, et al. J Obstet Gynaecol Br Commonw 80:353-6, Apr 73
Short-term high-dose metronidazole for vaginal trichomoniasis. Davidson F. J Obstet Gynaecol Br Commonw 80:368-70, Apr 73
The effect of oral norethisterone on serum lipid levels in premenopausal women. Gowland E, et al. J Obstet Gynaecol Br Commonw 80:357-9, Apr 73
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future. II. Bingel AS, et al. J Pharm Sci 62:349-62, Mar 73 (280 ref.)
Antifertility effect of three new clomiphene analogues on animals. Basu J. Jap J Exp Med 43:9-15, Feb 73
Oral contraceptives and the N.B.T. test. Björkstén B, et al. Lancet 1:830-1, 14 Apr 73
Prescribing of oral contraceptives. Collier PS. Lancet 1:1132-3, 19 May 73
Pre-pregnancy oral contraceptives and respiratory-distress syndrome. Crawford JS. Lancet 806:858-60, 21 Apr 73
Depressed lymphocyte response to P.H.A. in long-term users of oral contraceptives. Fitzgerald PH, et al. Lancet 1:615-6, 17 Mar 73
Association of cervical cytomegaloviruses with venereal disease. Jordan MC, et al. N Engl J Med 288:932-4, 3 May 73
A regimen for fertility control with a cyclic progestogen. Roland M, et al. Obstet Gynecol 41:595-601, Apr 73
Reason for contracepting and choice between IUD and pill: implications for the difference in continuation rates. Bauman KE, et al. Soc Biol 19:292-6, Sep 72
Australia: knowledge, attitudes, and practice of family planning in Melbourne, 1971. Caldwell JC, et al. Stud Fam Plann 4:49-59, Mar 73
Singapore: a cost-effect analysis of a family planning program. Kee WF, et al. Stud Fam Plann 3:8-11, Jan 72
[Talking about oral contraceptives] Shao MC. J Nurs (Taipei) 19:44-9, Oct 72 (Chi)
[Calcipen, Exluton and Sanabolicum] Meer J van der. Ned Tijdschr Geneeskd 117:690-1, 28 Apr 73 (Dut)
["The pill"] Moine K. Tidsskr Nor Laegeforen 93:313-6, 20 Feb 73 (Nor)
[The minipill] Stray-Pedersen B. Tidsskr Nor Laegeforen 93:316-8, 20 Feb 73 (Nor)
[Clinical aspects of the efficacy of an oral contraceptive ethynodiol diacetate (Bisecurin) as a function of the estrogen component] Krzywdziński K, et al. Ginekol Pol 44:271-5, Mar 73 (Eng. Abstr.) (Pol)
[Efficacy and side effects of modern contraceptives] Okla J. Pol Tyg Lek 28:135-8, 22 Jan 73 (16 ref.) (Pol)
[Contraceptive advice in connection with legal abortion] Edström K. Lakartidningen 70:1404-6, 4 Apr 73 (Eng. Abstr.) (Swe)
[Brain artery thrombosis in a young woman not using the pill] Johnsson S. Lakartidningen 70:1612, 18 Apr 73 (Swe)
[Synthesis of potential gestagenic components of oral contraceptives] Veĭsman AM, et al. Farm Zh 27:19-24, 1972 (Ukr)

ADMINISTRATION & DOSAGE

Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al. J Reprod Med 10:186-92, Apr 73
[Oral estro-progestational agents and the uterine cervix] Brux J de. Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al. Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)
[Effect of oral steroid contraceptives on fibroadenoma of the breast] Prechtel K, et al. Dtsch Med Wochenschr 98:698-702, 6 Apr 73 (Eng. Abstr.) (Ger)
[Selected use of ovulation inhibitors through hormone cytodiagnosis] Jurczok F. Fortschr Med 91:608, 17 May 73 (Ger)
[Epithelial changes of the portio and cervix mucosa with and without the influence of ovulation inhibitors] Mohr HJ. Fortschr Med 91:578-9 passim, 10 May 73 (Ger)
[The minipill] Mall-Haefeli M. Praxis 62:523-5, 24 Apr 73 (Ger)
[Contraception and the reproductive function] Poskalenko AN. Vestn Akad Med Nauk SSSR 27:74-80, Nov 72 (Eng. Abstr.) (Rus)
[Side effects and especially uterine bleeding in women taking oral contraceptives] Bygdeman M, et al. Lakartidningen 69:Suppl 4:42-6, 27 Dec 72 (Eng. Abstr.) (Swe)

ADVERSE EFFECTS

Coronary thrombosis in young women on oral contraceptives: report of two cases and review of the literature. Maleki M, et al. Am Heart J 85:749-54, Jun 73
Reversible mesenteric vascular occlusion associated with oral contraceptives. Nothmann BJ, et al. Am J Dig Dis 18:361-8, May 73
Colonization with genital mycoplasmas in women. McCormack WM, et al. Am J Epidemiol 97:240-5, Apr 73
Multiple relative risk functions in case-control studies. Seigel DG, et al. Am J Epidemiol 97:324-31, May 73
Metabolic effects of contraceptive steroids. Warren MP. Am J Med Sci 265:4-21, Jan 73 (62 ref.)
Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al. Am J Obstet Gynecol 114:739-47, 15 Nov 72
Mucha-Habermann disease following estrogen-progesterone therapy. Hollander A, et al. Arch Dermatol 107:465, Mar 73
Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al. Br Med J 2:389-92, 19 May 73
Iatrogenic disease in general practice: its incidence and effects. Mulroy R. Br Med J 2:407-10, 19 May 73
Pruritus vulvae. Ward GD, et al. Br Med J 2:243, 28 Apr 73
Blood pressure and the pill. Br Med J 1:693, 24 Mar 73
Actions of steroid contraceptives on gametic material. Boué A, et al. Geburtshilfe Frauenheilkd 33:77-85, Feb 73
Biosocial aspects of life in Britain. Reproduction and its control. Potts DM. J Biosoc Sci 5:229-41, Apr 73
Oral pill pilot project in India. Jainawalla SF. J Indian Med Assoc 59:344-8, 16 Oct 72
Family welfare planning: its genetic considerations. Roy S, et al. J Indian Med Assoc 59:349-53, 16 Oct 72
Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future. II. Bingel AS, et al. J Pharm Sci 62:349-62, Mar 73 (280 ref.)
Hepatic disease and pregnancy. Davidson CS. J Reprod Med 10:107-10, Mar 73 (41 ref.)
Changing patterns in cervical cytology among oral and non-oral contraceptive users. Fuertes-de la Haba A, et al. J Reprod Med 10:3-10, Jan 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al. J Reprod Med 10:186-92, Apr 73
Steroid contraception and dysplasia of the cervix: an interim report. Stern E, et al. J Reprod Med 10:177-83, Apr 73
Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. Lancet 809:899-904, 28 Apr 73

Vitamin C and colds. Briggs M, et al. Lancet 1:998, 5 May 73
Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al. Lancet 1:628-31, 24 Mar 73
Prescribing of oral contraceptives. Collier PS. Lancet 1:1132-3, 19 May 73
Birth defects and oral contraceptives. Nora JJ, et al. Lancet 809:941-2, 28 Apr 73
Respiratory-distress syndrome. Lancet 1:1060-1, 12 May 73
Oral contraceptives and cerebrovascular disease. Lancet 1:981, 5 May 73
Jaundice during pregnancy. Rencoret R, et al. Med J Aust 1:167-9, 27 Jan 73
Cholestatic jaundice of pregnancy. Med J Aust 1:151-2, 27 Jan 73
Oral contraceptives and stroke. Vessey MP. N Engl J Med 288:906-7, 26 Apr 73
Oral contraception and increased risk of cerebral ischemia or thrombosis. Collaborative group for the study of stroke in young women. N Engl J Med 288:871-8, 26 Apr 73
Oral contracetpives and vitamin B 6 . Nutr Rev 31:49-50, Feb 73
Effect of oral contraceptive therapy on the renin-angiotensin system in normotensive and hypertensive women. Tapia HR, et al. Obstet Gynecol 41:643-9, May 73
A clinical study of pulmonary embolic disease. Krishnaswami V, et al. Ohio State Med J 69:281-4, Apr 73
The significance of the spiculated outline of the uterine cavity on hysterography. Siezak P, et al. Radiology 107:527-31, Jun 73
Current status of oral contraceptives. Curet LB. Wis Med J 72:135-7, May 73
[3 cases of cataract occurring in women taking the same oral contraceptive. Is this a coincidence?] Goddé-Jolly D, et al. Bull Soc Ophtalmol Fr 12:441-2, Apr 72 (Fre)
[Lupic syndrome and estroprogestative drugs] Cordonnier V, et al. J Sci Med Lille 90:431-2, Dec 72 (Fre)
[Oral estro-progestational agents and the uterine cervix] Brux J de. Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)
[Practical experience with a new contraceptive of the modified sequential type] Weiti H. Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al. Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)
[Central venous thrombosis and oral contraceptives] Huch FL. Dtsch Med Wochenschr 98:744, 6 Apr 73 (Ger)
[Effect of oral steroid contraceptives on fibroadenoma of the breast] Prechtel K, et al. Dtsch Med Wochenschr 98:698-702, 6 Apr 73 (Eng. Abstr.) (Ger)
[Metabolic changes caused by oral contraceptives] Raith L. Dtsch Med Wochenschr 98:829-31, 20 Apr 73 (Ger)
[Hormonal regulation of lipid metabolism. 19th symposium of the German Society of Endocrinology] Dtsch Med Wochenschr 98:787-91, 13 Apr 73 (Ger)
[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD. Fortschr Med 91:435-40, 12 Apr 73 (Ger)
[Changes in cervical mucosa due to ovulation inhibitors] Grumbrecht C, et al. Fortschr Med 91:584-7, 10 May 73 (Ger)
[Epithelial changes of the portio and cervix mucosa with and without the influence of ovulation inhibitors] Mohr HJ. Fortschr Med 91:578-9 passim, 10 May 73 (Ger)
[Apoplexias in young women using oral contraceptives] Wohlfeil R, et al. Fortschr Neurol Psychiatr 41:166-74, Mar 73 (Eng. Abstr.) (Ger)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H. Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Vitamin B 6 deficiency with intake of oral contraceptives] Reinken L, et al. Int J Vitam Nutr Res 43:20-7, 1973 (Eng. Abstr.) (Ger)
[Oral contraceptives and hypertension] Beckerhoff R, et al. Schweiz Med Wochenschr 103:743-7, 19 May 73 (Eng. Abstr.) (Ger)
[Cardiotoxic drugs] Moccetti T. Schweiz Med Wochenschr 103:621-30, 28 Apr 73 (Eng. Abstr.) (Ger)
[Modern contraception and its hazards] Mall-Haefeli M. Vasa 2:172-5, 1973 (Eng. Abstr.) (Ger)
[Cervical cytology in women using oral contraceptives] Kastner H, et al. Wien Klin Wochenschr 85:175-8, 16 Mar 73 (Eng. Abstr.) (Ger)
[Blood pressure, contraceptive pills and natural sex steroids] Bergsjo P. Tidsskr Nor Laegeforen 93:459-60, 10 Mar 73 (Nor)
[Contraceptive pills and liver damage--practical guide] Bergsjo P. Tidsskr Nor Laegeforen 93:459, 10 Mar 73 (Nor)
["The pill"] Moine K. Tidsskr Nor Laegeforen 93:313-6, 20 Feb 73 (Nor)
[Side effects and especially uterine bleeding in women taking oral contraceptives] Bygdeman M, et al. Lakartidningen 69:Suppl 4:42-6, 27 Dec 72 (Eng. Abstr.) (Swe)
[Contraceptive pills and hypertension] Sallmander U. Lakartidningen 70:1368-9, 4 Apr 73 (Swe)

ANALYSIS

Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73

CHEMICAL SYNTHESIS

Allene versus acetylene in progestational steroids. Galantay EE, et al. Experientia 28:771-2, 15 Jul 72
[Antifertility drugs of the non-steroid type] Beran M, et al. Cesk Farm 22:28-43, Feb 73 (Cze)

METABOLISM

, Steeno O:Statistics on the results of the T 3 -binding capacity and the bound thyroxine in human serum. Spiessens H, et al. J Belge Radiol 55:547-56, Sep-Oct 72

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
Metabolic effects of contraceptive steroids. Warren MP. Am J Med Sci 265:4-21, Jan 73 (62 ref.)
One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al. Am J Obstet Gynecol 116:91-100, 1 May 73
The orotic aciduria of pregnancy. Wood MH, et al. Am J Obstet Gynecol 116:57-61, 1 May 73
Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al. Br Med J 2:389-92, 19 May 73
Effects of oral contraceptives and obesity on carrier tests for phenylketonuria. Brown ES, et al. Clin Chim Acta 44:183-92, 14 Mar 73
Oral contraceptives and the red blood cell. Fisch IR, et al. Clin Pharmacol Ther 14:245-9, Mar-Apr 73
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al. Fertil Steril 24:284-91, Apr 73
Interactions of nutrients with oral contraceptives and other drugs. Butterworth CE Jr. J Am Diet Assoc 62:510-4, May 73
Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73
Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. Knopp RH, et al. J Reprod Med 10:95-101, Mar 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al. J Reprod Med 10:186-92, Apr 73
Sex ratio and the pill. James W. Lancet 1:1061, 12 May 73
Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73
Effects of oral contraceptives on free fatty acids of human cervical mucus. Singh EJ, et al. Obstet Gynecol 41:743-7, May 73
[Practical experience with a new contraceptive of the

modified sequential type] Welti H.
Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)
[Sex-specific differences of serum proteins in adults and influence of oral hormonal contraceptives on serum protein composition] Dotchev D, et al.
Clin Chim Acta 44:431-5, 30 Mar 73 (Eng. Abstr.) (Ger)
[Changes in cervical mucosa due to ovulation inhibitors] Grumbrecht C, et al.
Fortschr Med 91:584-7, 10 May 73 (Ger)
[Goals of the study group gynecopathology] Stoll P.
Fortschr Med 91:434, 12 Apr 73 (Ger)
[Vitamin B 6 deficiency with intake of oral contraceptives] Reinken L, et al.
Int J Vitam Nutr Res 43:20-7, 1973 (Eng. Abstr.) (Ger)
[Prevention of goiter recurrence and ovulation inhibitors] Scriba PC. Med Klin 68:159, 2 Feb 73 (Ger)
[The minipill] Mall-Haefeli M.
Praxis 62:523-5, 24 Apr 73 (Ger)
[Oral contraceptives and hypertension] Beckerhoff R, et al.
Schweiz Med Wochenschr 103:743-7, 19 May 73 (Eng. Abstr.) (Ger)
[Contraception and the reproductive function] Poskalenko AN.
Vestn Akad Med Nauk SSSR 27:74-80, Nov 72 (Eng. Abstr.) (Rus)
[Side effects and especially uterine bleeding in women taking oral contraceptives] Bygdeman M, et al.
Lakartidningen 69:Suppl 4:42-6, 27 Dec 72 (Eng. Abstr.) (Swe)

THERAPEUTIC USE

Oral contraceptives: therapeutica versus adverse reactions, with an outlook for the future. II. Bingel AS, et al. J Pharm Sci 62:349-62, Mar 73 (280 ref.)
A Latin American field trial with a once-a-month oral contraceptive. Legula AL.
J Reprod Med 10:202-3, Apr 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73
Current status of oral contraceptives. Curet LB.
Wis Med J 72:135-7, May 73
[Unusual findings in portio smeara during the use of ovulation inhibitors] Naujoks H.
Fortschr Med 91:609-10, 17 May 73 (Ger)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disordera using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

CONTRACEPTIVES, POSTCOITAL

Postcoital contraceptive effects of medroxyprogesterone acetate and oestrone in rats. Dickmann Z. J Reprod Fertil 32:65-9, Jan 73
The morning-after pill. Kuchera LK.
JAMA 224:1038, 14 May 73
[Prostaglandins] Fülgraff G.
Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)

ADMINISTRATION & DOSAGE

Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73

ADVERSE EFFECTS

Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73

PHARMACODYNAMICS

The promise of pharmacologic modification of ovum transport in contraceptive development. Paueratein CJ, et al. Am J Obstet Gynecol 116:161-6, 15 May 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73

CRONOLONE

PHARMACODYNAMICS

Influence of stage of cycle, progestagen treatment and dose of oestrogen on uterine motility in the ewe. Croker KP, et al. J Reprod Fertil 32:521-4, Mar 73

CYPROTERONE

ADVERSE EFFECTS

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

BLOOD

Binding of cyproterone acetate to plasma proteins. Sammelwitz PH, et al.
Proc Soc Exp Biol Med 143:189-91, May 73

PHARMACODYNAMICS

Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate. Szabo S, et al. Experientia 29:185-6, 15 Feb 73
Antiandrogen effects on canine prostatic secretion. Schoonees R, et al. Invest Urol 10:434-7, May 73
Effects of cyproterone acetate on the adenohypophysial cells of male rats. Lakshman AB, et al. J Reprod Fertil 32:141-4, Jan 73
Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al.
J Reprod Fertil 32:365-78, Mar 73
Manipulation of sexual behaviour by anti-androgens. Werff ten Bosch JJ van.
Psychiatr Neurol Neurochir 76:147-9, Mar-Apr 73
Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973
The ultrastructure of the pars distalis of the hypophysis in males of Triturus cristatus carnifex Laur., treated with the antiandrogen cyproterone acetate. Della Corte F, et al.
Z Zellforsch Mikrosk Anat 137:209-21, 12 Feb 73
[Anti-androgenic therapy for prostate carcinoma] Schoonees R.
S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)
[Antiandrogens] Neumann F.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)
[Action mechanism of androgen on the prostate] Shida K, et al.
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

THERAPEUTIC USE

Cyproteronacetate in sexualogical outpatient practice. Boas C van E.
Psychiatr Neurol Neurochir 76:151-4, Mar-Apr 73
Manipulation of sexual behaviour by anti-androgens. Werff ten Bosch JJ van.
Psychiatr Neurol Neurochir 76:147-9, Mar-Apr 73
[Anti-androgenic therapy for prostate carcinoma] Schoonees R.
S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disordera using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Antiandrogens] Neumann F.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)
[Therapy of the most important male genital carcinomas] Feustel A.
Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)

DIETHYLSTILBESTROL

Effects of halothane on the cyclic 3',5'-adenosine monophosphate (cyclic AMP) system in rat uterine muscle. Yang JC, et al.
Anesthesiology 38:244-59, Mar 73
Inhibition by progesterone of radiation-estrogen-induced mammary cancer in the rat. Segaloff A. Cancer Res 33:1136-7, May 73
Some considerations in the design of a suitable topical

chemotherapeutic agent to treat bladder cancer. Connolly JG, et al. J Urol 109:402-4, Mar 73

ADMINISTRATION & DOSAGE

Amenorrhea secondary to puerperal curettage (Asherman's syndrome). Karnaky KJ. Am J Obstet Gynecol 114:844-5, 15 Nov 72
Diethylstilbestrol in pregnancy. Frequency of exposure and usage patterns. Heinonen OP. Cancer 31:573-7, Mar 73
Augmentation of endotoxin-induced fibrin deposits by pregnancy and estrogen-progesterone treatment. Beiler FK, et al. Gynecol Invest 3:176-83, 1972
Effect of diethylstilbestrol on blood glucose of prostatic cancer patients. Sotaniemi EA, et al. Invest Urol 10:438-41, May 73
Estrogen dosage and suppression of testosterone levels in patients with prostatic carcinoma. Kent JR, et al. J Urol 109:858-60, May 73
The morning-after pill. Kuchera LK. JAMA 224:1038, 14 May 73
Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. X. Influence of sex hormones on R. tetragona infection. Nadakal AM, et al. Z Parasitenkd 41:147-56, 24 Apr 73

ADVERSE EFFECTS

Prenatal stilbestrol experience of mothers of young cancer patients. Greenwald P, et al. Cancer 31:568-72, Mar 73
Diethylstilbestrol in pregnancy. Frequency of exposure and usage patterns. Heinonen OP. Cancer 31:573-7, Mar 73
Danger of diethylstilbestrol. Suggested control procedure. Capraro VJ. NY State J Med 73:853-5, 1 Apr 73
Clear cell adenocarcinoma in young females. Hertrich O. Obstet Gynecol 41:494-500, Apr 73
Stilbestrol and adenocarcinoma of the vagina. Pediatrics 51:297-9, Feb 73
Primary vaginal reconstruction after pelvic exenteration. Song IC, et al. Plast Reconstr Surg 51:509-13, May 73

ANALYSIS

Simple method for routine detection of residues of diethylstilbestrol (DES) in meat contaminated at levels as low as one part per billion. Smith WG, et al. Anal Chem 44:1084-7, May 72

BLOOD

The binding of oestrogens to ovine serum albumin. Challis JR. J Endocrinol 56:319-20, Feb 73

CHEMICAL SYNTHESIS

[Antifertility drugs of the non-steroid type] Beran M, et al. Cesk Farm 22:28-43, Feb 73 (Cze)

METABOLISM

Absorption of diethylstilbestrol and its glucuronide conjugate from the intestines of five- and twenty-five-day-old rats. Fischer LJ, et al. J Pharmacol Exp Ther 185:163-70, Apr 73
The specificity of the estrogen receptor of human uterus. Hähnel R, et al. J Steroid Biochem 4:21-31, Jan 73

PHARMACODYNAMICS

Hormonal effects in vitro on prostatic ribonucleic acid polymerase. Davies P, et al. Biochem J 129:1167-9, Oct 72
Effect of some estrogens and progesterone on calcium uptake and calcium release by myometrial mitochondria. Batra SC. Biochem Pharmacol 22:803-9, 1 Apr 73
Morphological changes of benign prostatic hyperplasia in culture. McMahon MJ, et al. Br J Cancer 27:323-35, Apr 73
Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al. Endocrinology 92:1565-7, May 73
Observations on the activity of the reticuloendothelial system in estradiol- and diethylstilbestrol-treated rats. Lazar G. Endokrinologie 61:152-5, 1973
Augmentation of endotoxin-induced fibrin deposits by pregnancy and estrogen-progesterone treatment. Beiler FK, et al. Gynecol Invest 3:176-83, 1972
Antiandrogen effects on canine prostatic secretion. Schoonees R, et al. Invest Urol 10:434-7, May 73
Effect of diethylstilbestrol on blood glucose of prostatic cancer patients. Sotaniemi EA, et al. Invest Urol 10:438-41, May 73
Hormonal specificity in the suppression of sexual receptivity of the female golden hamster. Coniglio LP, et al. J Endocrinol 57:55-61, Apr 73
Hormone-induced activation of target-specific lysosomes: acute translocation to the nucleus after administration of gonadal hormones in vivo. Szego CM, et al. J Endocrinol 56:347-60, Mar 73
Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice. Bollengier WE, et al. J Natl Cancer Inst 50:195-200, Jan 73
A murine renal cell carcinoma. Murphy GP, et al. J Natl Cancer Inst 50:1013-25, Apr 73
Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73
[Anti-androgenic therapy for prostate carcinoma] Schoonees R. S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)
[Morphogenesis of uterine myomas] Serov VV, et al. Akush Ginekol (Mosk) 49:3-8, Jan 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Managing the menopause. Easterling WE Jr. Am Fam Physician 7:137-42, Mar 73
Prenatal stilbestrol experience of mothers of young cancer patients. Greenwald P, et al. Cancer 31:568-72, Mar 73
Diethylstilbestrol in pregnancy. Frequency of exposure and usage patterns. Heinonen OP. Cancer 31:573-7, Mar 73
Drug metabolism and androgen control therapy in prostatic cancer. Sotaniemi EA, et al. Clin Pharmacol Ther 14:413-7, May-Jun 73
Effect of diethylstilbestrol on blood glucose of prostatic cancer patients. Sotaniemi EA, et al. Invest Urol 10:438-41, May 73
Estrogen dosage and suppression of testosterone levels in patients with prostatic carcinoma. Kent JR, et al. J Urol 109:858-60, May 73
Pulmonary manifestations of prostatic carcinoma. Lome LG, et al. J Urol 109:680-5, Apr 73
Metastases of prostatic carcinoma to the breast. Salyer WR, et al. J Urol 109:671-5, Apr 73
The effect of hormonal therapy on a transplantable renal cortical adenocarcinoma in syngeneic mice. Soloway MS, et al. J Urol 109:356-61, Mar 73
Endocrine bone disease. Watson L. Practitioner 210:376-83, Mar 73
[Anti-androgenic therapy for prostate carcinoma] Schoonees R. S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)
[Therapeutic effects of the preparation "Stilbostat" in advanced stages of breast cancer after the menopause] Zimel H, et al. Stud Cercet Endocrinol 24:211-9, 1973 (Rum)
[Organization of dispensary care women with habitual abortions] Koreneva GP, et al. Pediatr Akush Ginekol 6:39-43, 1972 (Ukr)

DIHYDROXYPROGESTERONE

PHARMACODYNAMICS

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. J Anim Sci 36:540-5, Mar 73

DIMETHISTERONE

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al. Am J Obstet Gynecol 116:91-100, 1 May 73

DYDROGESTERONE

ADMINISTRATION & DOSAGE

Effect of dydrogesterone (Duphaston) on haemostasis and liver function. Vermylen J, et al.
J Obstet Gynaecol Br Commonw 80:75-81, Jan 73

PHARMACODYNAMICS

Effect of dydrogesterone (Duphaston) on haemostasis and liver function. Vermylen J, et al.
J Obstet Gynaecol Br Commonw 80:75-81, Jan 73

ESTRADIOL

Localization of oestradiol receptors in the rat hypothalamus. Kato J.
Acta Endocrinol (Kbh) 72:663-70, Apr 73

The role of the anterior region of the medial basal hypothalamus in the control of ovulation and sexual behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:753-62, 1972

Effect of proteases and of crude phospholipases on steroid glycosyltransferases from rabbit liver. Lahow RS, et al. Biochemistry 12:1548-51, 10 Apr 73

Low magnitude transformation of estradiol to estrone in human endometrium. Sweat ML, et al.
Biochim Biophys Acta 296:189-95, 19 Jan 73

Detection, characterization and diagnostic significance of human pregnancy-associated glycoproteins. Bohn H. Biut 26:205-9, Mar 73

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73

17- -Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study. Crovato F, et al. J Invest Dermatol 60:126-33, Mar 73

Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. Terner C, et al.
J Reprod Fertil 32:453-64, Mar 73

In vitro transformation of steroids as a substitute of microbial transformation. Matkovics B.
Steroids Lipids Res 3:1-7, 1972 (15 ref.)

Ultrastructure of the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell. Pearson AK, et al. Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73

[Action mechanism of steroid hormones] Karlson P, et al.
Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)

[Affinity of steroids for the testosterone-estradiol binding globulin. II. Androgens] Kuroedova IA, et al.
Probl Endokrinol (Mosk) 19:104-7, Jan-Feb 73 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Effect of estrogens on the uterine blood flow of oophorectomized ewes. Killam AP, et al.
Am J Obstet Gynecol 115:1045-52, 15 Apr 73

Collagen proline hydroxylase activity in the uterus of the rat during rapid collagen synthesis in vivo. Salvador RA, et al.
Arch Biochem Biophys 154:583-92, Feb 73

Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey. Karsch FJ, et al. Endocrinology 92:799-804, Mar 73

Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Sud SC. Indian J Exp Biol 10:265-7, Jul 72

Serum luteinizing hormone (LH) in ewes treated with various dosages of 17 -estradiol at three stages of the anestrous season. Beck TW, et al.
J Anim Sci 36:566-70, Mar 73

Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73

Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats. Caligaris L, et al. J Endocrinol 55:97-103, Oct 72

Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feb 73

The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. J Endocrinol 57:97-110, Apr 73

Involvement of the uterine blood vessels in the refractory state of the uterine stroma which follows oestrogen stimulation in progesterone-treated mice. Martin L, et al. J Endocrinol 56:309-14, Feb 73

Estrogen and brood pouch formation in the marsupial frog, Gastrotheca riobambae. Jones RE, et al.
J Exp Zool 184:177-84, May 73

The combined stimulation of the reticuloendothelial system by estradiol and endotoxin. Dobson EL, et al.
J Reticuloendothel Soc 13:61-9, Jan 73

Probable nutritional basis for effect of estradiol on rat liver catechol-O-methyl transferase. Chou C, et al.
Life Sci [I] 11:581-5, 15 Jun 72

Spectral, chemical and template properties of mouse and rat uterine chromatin after in vivo administration of estradiol. Maurer HR, et al.
Life Sci [II] 11:753-62, 8 Aug 72

Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or ambulation. Baum MJ. Physiol Behav 10:137-40, Jan 73

Maternal behavior in the mouse: effect of estrogen and progesterone. Gandelman R.
Physiol Behav 10:153-5, Jan 73

On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:158-65, Feb 72

Estrogenic profile of 8-azaethynylestradiol. Rassaert CL, et al. Steroids Lipids Res 3:185-92, 1972

[Estradiol-17 receptors in the liver of chicken and the amphibian Discoglossus pictus] Ozon R, et al.
Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)

[Effect of an anabolic on fattening performance and nitrogen retention in calves--a simple method for the assessment of nitrogen balance] Brüggemann J, et al.
Wien Tieraerztl Monatsschr 60:92-5, Feb-Mar 73 (Eng. Abstr.) (Ger)

[Oviduct of the mouse in organ culture and its reactivity to estrogen] Witkowska E.
Endokrynol Pol 24:79-90, Jan-Feb 73 (Eng. Abstr.) (Pol)

ANALYSIS

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al.
Steroids 21:593-608, Apr 73

[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

ANTAGONISTS & INHIBITORS

Inhibition of oestrogen-induced increase in hepatic and uterine glycogen by progesterone in the rat. Paul PK, et al. Acta Endocrinol (Kbh) 72:762-70, Apr 73

Blockade by progesterone of estrogen-induced LH and FSH release in the rhesus monkey. Dierschke DJ, et al.
Endocrinology 92:1496-501, May 73

Involvement of the uterine blood vessels in the refractory state of the uterine stroma which follows oestrogen stimulation in progesterone-treated mice. Martin L, et al. J Endocrinol 56:309-14, Feb 73

Binding of cyproterone acetate to plasma proteins. Sammelwitz PH, et al.
Proc Soc Exp Biol Med 143:189-91, May 73

BIOSYNTHESIS

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al.
Endocrinology 92:657-66, Mar 73

Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al.
Endocrinology 92:788-91, Mar 73

Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al.
Endocrinology 92:866-80, Mar 73

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1596-602, 10 Mar 73

[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al. **Steroids Lipids Res** 3:101-9, 1972

[Function of fetal adrenal cortex] Matsumoto Y, et al. **Clin Endocrinol (Tokyo)** 21:157-64, Feb 73 (34 ref.) (Jap)

BLOOD

A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. **Am J Obstet Gynecol** 115:169-80, 15 Jan 73

Some physiological and clinical aspects of puberty. Visser HK. **Arch Dis Child** 48:169-82, Mar 73 (96 ref.)

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. **Biol Reprod** 8:321-6, Apr 73

In vivo bindings of tritiated oestradiol in benign and malignant lesions of the human breast. O'Higgins N, et al. **Br J Surg** 60:317, Apr 73

Estradiol mustard (NSC-112259)--clinical brochure. Vollmer EP, et al. **Cancer Chemother Rep [Suppl]** 4:Suppl:121-40, Jan 73

Peripheral levels of estrogen in the cyclic hamster. Baranczuk R, et al. **Endocrinology** 92:805-12, Mar 73

Peripheral levels of estrogen in the PMS-primed cycling hamster. Baranczuk R, et al. **Endocrinology** 92:1547-50, May 73

Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey. Karsch FJ, et al. **Endocrinology** 92:799-804, Mar 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al. **J Anim Sci** 36:716-21, Apr 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab** 36:867-79, May 73

Blood levels of gonadotropins and gonadal hormones in gynecomastia associated with chronic hemodialysis. Sawin CT, et al. **J Clin Endocrinol Metab** 36:988-90, May 73

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab** 36:886-93, May 73

Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al. **J Clin Endocrinol Metab** 36:811-6, May 73

Plasma luteinizing hormone and oestrogen in foetal and maternal sheep. Alexander DP, et al. **J Endocrinol** 56:331-2, Feb 73

The binding of oestrogens to ovine serum albumin. Challis JR. **J Endocrinol** 56:319-20, Feb 73

The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. **J Endocrinol** 57:97-110, Apr 73

Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. **J Endocrinol** 56:213-8, Feb 73

Oestrone and oestradiol in jugular vein plasma during the oestrous cycle of the cow. Mason BD, et al. **J Endocrinol** 55:141-6, Oct 72

Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. **J Endocrinol** 55:41-9, Oct 72

Oestradiol levels in the peripheral blood of cows during the oestrous cycle. Shemesh M, et al. **J Endocrinol** 55:73-8, Oct 72

Variability of hormone concentrations and ratios in commercial sera used for tissue culture. Esber HJ, et al. **J Natl Cancer Inst** 50:559-62, Feb 73

The value of a cervical score in the assessment of ovarian function. Flynn AM, et al. **J Obstet Gynaecol Br Commonw** 80:152-9, Feb 73

Changes in unconjugated oestrogens and progesterone concentration in plasma at the approsch of labour. Shaaban MM, et al. **J Obstet Gynaecol Br Commonw** 80:210-7, Mar 73

The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. **J Obstet Gynaecol Br Commonw** 80:138-41, Feb 73

Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al. **J Steroid Biochem** 4:1-10, Jan 73

Radioimmunoassay of estrone and estradiol-17 in peripheral plasma of pregnant and non-pregnant women. Hertogh R de. **J Steroid Biochem** 4:75-84, Jan 73

Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. **Lab Pract** 22:348, May 73

Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al. **Proc Soc Exp Biol Med** 143:69-72, May 73

First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins** 1:295-303, Apr 72

Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Csapo AI, et al. **Prostaglandins** 1:305-18, Apr 72

First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins** 1:365-71, May 72

On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins** 1:158-65, Feb 72

The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C. **Steroids** 21:583-92, Apr 73

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. **Steroids** 21:565-82, Apr 73

[Effect of prostaglandin E 2 (PGE 2) on the function of the corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex)** 3:Suppl 1:173-86, 1972 (Spa)

METABOLISM

The dysfunctional and the neoplastic: clinical investigation in the service of patient care in endometrial cancer. Gusberg SB. **Am J Obstet Gynecol** 116:175-83, 15 May 73

Improved gel-filtration method for analysis of estrogen receptor binding. Godefroi VC, et al. **Anal Biochem** 51:335-44, Feb 73

Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfurylation. Leung BS, et al. **Arch Surg** 106:515-9, Apr 73

Nuclear and cytoplasmic receptors for 1,25-dihydroxycholecalciferol in intestinal mucosa. Brumbaugh PF, et al. **Biochem Biophys Res Commun** 51:74-80, 5 Mar 73

Effects of progesterone on the binding of estradiol-receptor to rabbit uterine chromatin. Chatkoff ML, et al. **Biochem Biophys Res Commun** 51:1015-22, 16 Apr 73

The intracellular localization of 9 -tetrahydrocannabinol in liver and its effects on drug metabolism in vitro. Dingell JV, et al. **Biochem Pharmacol** 22:949-58, 15 Apr 73

Low magnitude transformation of estradiol to estrone in human endometrium. Sweat ML, et al. **Biochim Biophys Acta** 296:189-95, 19 Jan 73

Species distribution of testosterone-binding globulin. Corvol P, et al. **Biol Reprod** 8:277-82, Apr 73

A new method of determining the hormone dependence of human breast cancer. Flax H. **Br J Surg** 60:317-8, Apr 73

In vivo bindings of tritiated oestradiol in benign and malignant lesions of the human breast. O'Higgins N, et al. **Br J Surg** 60:317, Apr 73

The in vitro localization of H 3 estradiol in human prostatic carcinoma. An electron microscopic autoradiographic study. Sinha AA, et al. **Cancer** 31:682-8, Mar 73

Evidence for steroid metabolism during the in vitro induction of maturation in oocytes of Rana pipiens. Reynhout JK, et al. **Dev Biol** 30:392-402, Feb 73

Effect of copper intrauterine devices (IUD'S) on estrogen and progesterone uptake by the rat uterus. Aedo AR, et al. **Fertil Steril** 24:345-8, May 73

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al. **J Biol Chem** 248:1598-602, 10 Mar 73

Studies on the relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al. **J Biol Chem** 248:3288-97, 10 May 73

Water-soluble products of the estrogens. Bile metabolites of 2-hydroxyestradiol-17beta in man. Elce JS, et al. **J Clin Endocrinol Metab** 36:1027-30, May 73

Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al. **J Clin Endocrinol Metab** 36:811-6, May 73

The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. **J Endocrinol** 57:97-110, Apr 73

Uptake and interconversion of tritiated oestrone and

oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73
Distribution of oestrogen receptors in cell fractions of human uterine tissue. Evans LH, et al. J Endocrinol 56:503-28, Mar 73
Uptake and retention of (3 H) oestradiol by myometrial and deciduomal tissue in the pseudopregnant rat. Kimmel GL, et al. J Endocrinol 56:335-6, Feb 73
The interconversion of oestrone and oestradiol-17 and the concentration of oestradiol-17 receptors in cultured rabbit uterus. Russell SL, et al. J Endocrinol 56:203-11, Feb 73
17- -Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study. Crovato F, et al. J Invest Dermatol 60:126-33, Mar 73
Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice. Bollengier WE, et al. J Natl Cancer Inst 50:195-200, Jan 73
The specificity of the estrogen receptor of human uterus. Hähnel R, et al. J Steroid Biochem 4:21-31, Jan 73
In vivo uptake of estradiol-17 by the uterus of the mature rat. Tchernitchin A, et al. J Steroid Biochem 4:41-4, Jan 73
Ribonucleoprotein binding of steroid-"receptor" complexes. Liao S, et al. Nature [New Biol] 241:211-3, 14 Feb 73
Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973
Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al. Physiol Behav 10:35-40, Jan 73
Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al. Proc Soc Exp Biol Med 143:69-72, May 73
Effects of intrauterine foreign body on the localization of (3 H)-estradiol in rat uterine tissues, polymorphonuclear neutrophiles and eosinophiles. Stumpf WE, et al. Proc Soc Exp Biol Med 142:973-6, Mar 73
Sexual steroid uptake in the alloxanized diabetic rat. Denari JH, et al. Steroids Lipids Res 3:151-5, 1972
Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Matkovics B, et al. Steroids Lipids Res 3:118-24, 1972
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972
Effect of estradiol on the metabolism of testosterone by rat prostate. Fenci M de M, et al. Steroids 21:537-52, Apr 73
[Estradiol-17 receptors in the liver of chicken and the amphibian Discoglossus pictus] Ozon R, et al. Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)
[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al. Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)
[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al. Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)
[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al. Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Response of the vagina of newborn rats to sequential treatment with sexual hormones. Rossano GL, et al. Acta Anat (Basel) 84:492-7, 1973
Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al. Acta Neurobiol Exp (Warsz) 32:763-6, 1972
Effect of castration and peroral estrogen therapy on the skin. Punnonen R. Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972
Cervicovaginal epithelium: its origin and development. Forsberg JG. Am J Obstet Gynecol 115:1025-43, 1 Apr 73 (106 ref.)
Effect of estrogens on the uterine blood flow of oophorectomized ewes. Killam AP, et al. Am J Obstet Gynecol 115:1045-52, 15 Apr 73
The promise of pharmacologic modification of ovum transport in contraceptive development. Pauerstein CJ, et al. Am J Obstet Gynecol 116:161-6, 15 May 73
Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al. Antonie van Leeuwenhoek 39:21-31, 1973
Collagen proline hydroxylase activity in the uterus of the rat during rapid collagen synthesis in vivo. Salvador RA, et al. Arch Biochem Biophys 154:583-92, Feb 73
Phosphomonoesterases and histamine in the uterus of the ewe during early pregnancy. Murdoch RN. Aust J Biol Sci 25:1289-97, Dec 72
Early effects of oestradiol-17 on the chromatin and activity of the deoxyribonucleic acid-dependent ribonucleic acid polymerases (I and II) of the rat uterus. Glasser SR, et al. Biochem J 130:947-57, Dec 72
Chlorcyclizine N-demethylase activity in chick embryo hepatic cell culture. Poland A, et al. Biochem Pharmacol 22:749-58, 15 Mar 73
Estradiol mustard (NSC-112259)--clinical brochure. Vollmer EP, et al. Cancer Chemother Rep [Suppl] 4:Suppl:121-40, Jan 73
Nuclear receptor-estrogen complex: relationship between concentration and early uterotrophic responses. Anderson JN, et al. Endocrinology 92:1488-95, May 73
Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. Endocrinology 92:769-74, Mar 73
Effect of estrogen on the phospholipid metabolism of rat bone. Cruess RL, et al. Endocrinology 92:961-3, Mar 73
Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al. Endocrinology 92:941-5, Mar 73
Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. Endocrinology 92:840-6, Mar 73
Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. Endocrinology 92:1515-26, May 73
Release of FSH after administration of gonadotrophin-releasing hormone or estradiol to the anestrous ewe. Jonas HA, et al. Endocrinology 92:862-5, Mar 73
Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey. Karsch FJ, et al. Endocrinology 92:799-804, Mar 73
Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. Endocrinology 92:847-52, Mar 73
Sex steroid influence on hepatic gluconeogenesis and glucogen formation. Matute ML, et al. Endocrinology 92:762-8, Mar 73
Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73
Observations on the activity of the reticuloendothelial system in estradiol- and diethylstilbestrol-treated rats. Lazar G. Endokrinologie 61:152-5, 1973
Modification of the template capacity of chick-oviduct chromatin for form-B RNA polymerase by estradiol. Cox RF, et al. Eur J Biochem 32:513-24, 1 Feb 73
Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al. Fertil Steril 24:275-83, Apr 73
The stimulatory influence of gonadal steroids and methallibure (ICI 33,828) on peptidase activity in the female rat hypothalamus. Griffiths EC, et al. Fertil Steril 24:269-74, Apr 73
EGG transport over the fimbrial surface of the rabbit oviduct under experimental conditions. Odor DL, et al. Fertil Steril 24:292-300, Apr 73
Glycolytic and lipolytic effects of ovine FSH and estradiol-17 in the lizard Anolis carolinensis. Marschall C, et al. Gen Comp Endocrinol 20:407-12, Apr 73
In vitro hormonal requirement for lobulo-alveolar development in the mammary gland of high tumour albino mouse ICRC. Ranadive KJ, et al. Indian J Exp Biol 10:327-32, Sep 72
Serum luteinizing hormone (LH) in ewes treated with

various dosages of 17 -estradiol at three stages of the anestrous season. Beck TW, et al.
J Anim Sci 36:566-70, Mar 73

Control by progesterone of the concentration of lipid droplets in epithelial cells of the sheep endometrium. Brinsfield TH, et al. J Anim Sci 36:919-22, May 73

Hormonal regulation of porcine uterine protein secretion. Knight JW, et al.
J Anim Sci 36:546-53, Mar 73

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al.
J Anim Sci 36:540-5, Mar 73

Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73

Regulation of protein synthesis in chick oviduct. 3. Mechanism of ovalbumin "superinduction" by actinomycin D. Palmiter RD, et al.
J Biol Chem 248:1502-12, 10 Mar 73

Studies on the relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al.
J Biol Chem 248:3288-97, 10 May 73

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. J Clin Endocrinol Metab 36:886-93, May 73

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73

Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats. Caligaris L, et al. J Endocrinol 55:97-103, Oct 72

Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feb 73

The effect of oestrogen and progesterone on uterine cell division and epithelial morphology in spayed-hypophysectomized rats. Clark BF.
J Endocrinol 56:341-2, Feb 73

Hormonal specificity in the suppression of sexual receptivity of the female golden hamster. Coniglio LP, et al. J Endocrinol 57:55-61, Apr 73

The time-course of the mitotic response to oestrogen in the epithelia and stroma of the mouse uterus. Das RM.
J Endocrinol 55:203-4, Oct 72

The effects of oestrogen on the cell cycle in epithelial and connective tissues of the mouse uterus. Das RM.
J Endocrinol 55:21-30, Oct 72

The effect of progesterone and oestradiol on immature mouse uteri maintained as organ cultures. Grant PS.
J Endocrinol 57:171-4, Apr 73

Changes in the protein phosphorus content of rat mammary tissue during lactogenesis. Kuhn NJ.
J Endocrinol 55:219-20, Oct 72

Further studies on cholinergic mechanisms and hormone-activated copulatory behaviour in the female rat. Lindström LH.
J Endocrinol 56:275-83, Feb 73

DNA synthesis in the endometrium of progesterone-treated mice. Martin L, et al.
J Endocrinol 56:303-7, Feb 73

Involvement of the uterine blood vessels in the refractory state of the uterine stroma which follows oestrogen stimulation in progesterone-treated mice. Martin L, et al. J Endocrinol 56:309-14, Feb 73

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. J Endocrinol 57:63-744, Apr 73

Hormone-induced activation of target-specific lysosomes: acute translocation to the nucleus after administration of gonadal hormones in vivo. Szego CM, et al. J Endocrinol 56:347-60, Mar 73

Estrogen and brood pouch formation in the maraupial frog, Gastrotheca riobambae. Jones RE, et al.
J Exp Zool 184:177-84, May 73

In vitro uptake and incorporation of amino acids by blastocysts from intact and ovariectomized mice. Weitlauf HM. J Exp Zool 183:303-8, Mar 73

Brief communication: strain dependency of hormonally activated C-type RNA tumor virus markers in mice. Fowler AK, et al. J Natl Cancer Inst 50:1057-9, Apr 73

An established cultured cell line (HBr-39) from human breast carcinoma. Plata EJ, et al.
J Natl Cancer Inst 50:849-62, Apr 73

Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al.
J Pharm Sci 62:690-2, Apr 73

Influence of stage of cycle, progestagen treatment and dose of oestrogen on uterine motility in the ewe. Croker KP, et al. J Reprod Fertil 32:521-4, Mar 73

The rôle of the pituitary in the development of the blood-testis barrier in mice. Johnson MH.
J Reprod Fertil 32:509-11, Mar 73

Reproductive efficiency in aged female rabbits given supplemental progesterone and oestradiol. Larson LL, et al. J Reprod Fertil 33:31-8, Apr 73

Effects of exogenous oestradiol and progesterone on serum levels of prostaglandin F and luteinizing hormone in chronically ovariectomized rats. Saksena SK, et al. J Reprod Fertil 32:495-9, Mar 73

Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. Knopp RH, et al. J Reprod Med 10:95-101, Mar 73

The combined stimulation of the reticuloendothelial system by estradiol and endotoxin. Dobson EL, et al.
J Reticuloendothel Soc 13:61-9, Jan 73

Probable nutritional basis for effect of estradiol on rat liver catechol-O-methyl transferase. Chou C, et al.
Life Sci [I] 11:581-5, 15 Jun 72

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR.
Life Sci [I] 11:461-73, 15 May 72

Estradiol-17 , cyclic AMP and prostaglandins: in vivo and in vitro studies on the cervicovaginal epithelium from neonatal mice. Kvinnsland S.
Life Sci [I] 12:373-84, 15 Apr 73

Spectral, chemical and template properties of mouse and rat uterine chromatin after in vivo administration of estradiol. Maurer HR, et al.
Life Sci [II] 11:753-62, 8 Aug 72

Sexual behaviour and sexual motivation in the female rat. Drewett RF. Nature 242:476-7, 13 Apr 73

Release of luteinizing hormone by oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al.
Neuroendocrinology 11:57-66, 1973

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. Neuroendocrinology 11:46-56, 1973

Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or ambulation. Baum MJ. Physiol Behav 10:137-40, Jan 73

Maternal behavior in the mouse: effect of estrogen and progesterone. Gandelman R.
Physiol Behav 10:153-5, Jan 73

Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al.
Physiol Behav 10:35-40, Jan 73

Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al.
Proc Soc Exp Biol Med 143:69-72, May 73

The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes. Caldwell BV, et al. Prostaglandins 1:217-28, Mar 72

Estrogenic activity of norethindrone in the immature female beagle. Nelson LW, et al.
Res Commun Chem Pathol Pharmacol 5:879-82, May 73

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

Estrogenic profile of 8-azaethynylestradiol. Rassaert CL, et al. Steroids Lipids Res 3:185-92, 1972

Effect of estradiol on the metabolism of testosterone by rat prostate. Fenci M de M, et al.
Steroids 21:537-52, Apr 73

[Estradiol-17 receptors in the liver of chicken and the amphibian Discoglossus pictus] Ozon R, et al.
Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)

[Role of ovarian hormones in ciliogenesis in rat oviducts] Dubuisson L, et al.
C R Soc Biol (Paris) 166:574-7, 1972 (Fre)

[First results on electrophoresis of proteins from the epididymis of immature rats] Fournier-Delpech S.
C R Soc Biol (Paris) 166:1174-5, 1972 (Fre)

[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day

cycles] Roos J, et al.
C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)
[Somatic sexual differentiation of rat fetuses. The action of clomiphene on fetuses whose mothers had been treated with estradiol or testosterone propionate] Marois M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:781-94, Dec 72 (Eng. Abstr.) (Fre)
[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Feis E, et al.
Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)
[Effect of an anabolic on fattening performance and nitrogen retention in calves--a simple method for the assessment of nitrogen balance] Brüggemann J, et al.
Wien Tieraerztl Monatsschr 60:92-5, Feb-Mar 73 (Eng. Abstr.) (Ger)
[Oviduct of the mouse in organ culture and its reactivity to estrogen] Witkowska E.
Endokrynol Pol 24:79-90, Jan-Feb 73 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Localization of oestradiol receptors in the rat hypothalamus. Kato J.
Acta Endocrinol (Kbh) 72:663-70, Apr 73
Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972
Inhibition of ovulation in the rat by intrahypothalamic implants of an antioestrogen. Billard R, et al.
J Endocrinol 56:585-90, Mar 73
The effect of progesterone and oestradiol on immature mouse uteri maintained as organ cultures. Grant PS.
J Endocrinol 57:171-4, Apr 73
Reproductive decline in aged female rats. Maibenco HC, et al. J Reprod Fertil 32:121-3, Jan 73

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
Estradiol mustard (NSC-112259)--clinical brochure. Vollmer EP, et al.
Cancer Chemother Rep [Suppl] 4:Suppl:121-40, Jan 73
Sex-related resistance in hamsters to adenovirus oncogenesis. Yohn DS.
Prog Exp Tumor Res 18:138-65, 1973 (59 ref.)
On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:153-65, Feb 72
Histochemical and biochemical enzyme studies in prostatic carcinomatous tissue before and during treatment with estrogen. Nilsson T, et al.
Scand J Urol Nephrol 7:14-7, 1973
Histochemical and biochemical investigation of advanced prostatic carcinoma treated with estramustine phosphate, Estracyt. Nilsson T, et al.
Scand J Urol Nephrol 7:18-22, 1973

TOXICITY

Toxicity in beagle dogs of three alkylating esters with antitumor activity: phenesterin (NSC-104469), estradiol mustard (NSC-112259), and dehydroepiandrosterone mustard (NSC-12121). Schaeppi U, et al.
Cancer Chemother Rep [Suppl] 4:Suppl:85-95, Jan 73
Estradiol mustard (NSC-112259)--clinical brochure. Vollmer EP, et al.
Cancer Chemother Rep [Suppl] 4:Suppl:121-40, Jan 73

URINE

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al.
Endocrinology 92:657-66, Mar 73
Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al.
Endocrinology 92:1397-404, May 73
Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73
Water-soluble products of the estrogens. Bile metabolites of 2-hydroxyestradiol-17beta in man. Klee JS, et al. J Clin Endocrinol Metab 36:1027-30, May 73
Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73
Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73
Investigation of the metabolism of 3-methoxy-17-epioestriol. Falkay G, et al.
Steroids Lipids Res 3:207-13, 1972
[Clinical aspects of chronic placental insufficiency] Kyank H, et al.
Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)

ESTRANES

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73

ANALYSIS

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73

METABOLISM

Water-soluble products of the estrogens. Bile metabolites of 2-hydroxyestradiol-17beta in man. Klee JS, et al. J Clin Endocrinol Metab 36:1027-30, May 73
Investigation of the metabolism of 3-methoxy-17-epioestriol. Falkay G, et al.
Steroids Lipids Res 3:207-13, 1972

URINE

Water-soluble products of the estrogens. Bile metabolites of 2-hydroxyestradiol-17beta in man. Klee JS, et al. J Clin Endocrinol Metab 36:1027-30, May 73
19-Nortestosterone. I. Its metabolism in the rabbit. Both-Miedema R, et al.
Steroids Lipids Res 3:49-58, 1972

ESTRIOL

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
Preparation of oestriol-6-(O-carboxymethyl) oxime and oestrone-6-(carboxymethyl) oxime-bovine serum albumin conjugates. Dean PD, et al.
Steroids Lipids Res 3:82-9, 1972
In vitro transformation of steroids as a substitute of microbial transformation. Matkovics B.
Steroids Lipids Res 3:1-7, 1972 (15 ref.)

ADMINISTRATION & DOSAGE

The effect of intra-amniotic oestriol sulphate on abortion induced by hypertonic saline. Dennis KJ, et al. J Obstet Gynaecol Br Commonw 80:41-5, Jan 73
The effect of intra-amniotic oestriol sulphate on uterine contractility at term. Klopper A, et al.
J Obstet Gynaecol Br Commonw 80:34-40, Jan 73

ANALYSIS

A simplified general proof of the Allen correction equation and some comments concerning its applicability to the colorimetric analysis of oestriol. Jensen SB, et al. Clin Chim Acta 44:443-8, 30 Mar 73
[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

BIOSYNTHESIS

[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

BLOOD

Steroid hormone levels in human fetal blood during delivery. Arai K, et al.
Am J Obstet Gynecol 114:812-5, 15 Nov 72
A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. Am J Obstet Gynecol 115:169-80, 15 Jan 73
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
The binding of oestrogens to ovine serum albumin. Challis JR. J Endocrinol 56:319-20, Feb 73
Plasma oestriol in pre-eclampsia. Masson GM.
J Obstet Gynaecol Br Commonw 80:206-9, Mar 73
Plasma oestriol concentration during normal pregnancy. Masson GM.
J Obstet Gynaecol Br Commonw 80:201-5, Mar 73
Changes in unconjugated oestrogens and progesterone concentration in plasma at the approach of labour. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:210-7, Mar 73
Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al.
J Steroid Biochem 4:1-10, Jan 73
Determination of estriol, estriol sulfate, progesterone and neutral steroid mono- and disulfates in umbilical cord blood plasma. Laatikainen T, et al.
Steroids 21:347-59, Mar 73

METABOLISM

Recurrent jaundice in pregnancy. 3. Quantitative determination of urinary estriol conjugates, including studies in pruritus gravidarum. Tikkanen MJ, et al.
Am J Med 54:600-4, May 73
The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. J Endocrinol 57:97-110, Apr 73
Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Matkovics B, et al.
Steroids Lipids Res 3:118-24, 1972
[Estradiol-17 receptors in the liver of chicken and the amphibian Discoglossus pictus] Ozon R, et al.
Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)
[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al.
Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)
[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al.
Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)
[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

PHARMACODYNAMICS

Effect of castration and peroral estrogen therapy on the skin. Punnonen R.
Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972
Nuclear receptor-estrogen complex: relationship between concentration and early uterotrophic responses. Anderson JN, et al.
Endocrinology 92:1488-95, May 73
The effect of intra-amniotic oestriol sulphate on uterine contractility at term. Klopper A, et al.
J Obstet Gynaecol Br Commonw 80:34-40, Jan 73
[Clinical evaluation of Ovestin in the treatment of climacteric disorders] Laiti J.
Cesk Gynekol 38:205-6, Apr 73 (Eng. Abstr.) (Cze)

SECRETION

Diurnal variation of estriol excretion in human pregnancy. Duhring JL, et al.
Am J Obstet Gynecol 115:875-80, 1 Apr 73

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
The effect of intra-amniotic oestriol sulphate on uterine contractility at term. Klopper A, et al.
J Obstet Gynaecol Br Commonw 80:34-40, Jan 73
[Clinical evaluation of Ovestin in the treatment of climacteric disorders] Laiti J.
Cesk Gynekol 38:205-6, Apr 73 (Eng. Abstr.) (Cze)

URINE

Recurrent jaundice in pregnancy. 3. Quantitative determination of urinary estriol conjugates, including studies in pruritus gravidarum. Tikkanen MJ, et al.
Am J Med 54:600-4, May 73
Obstetric complications when the fetus has Potter's syndrome. II. Fetoplacental function. Beischer NA, et al. Am J Obstet Gynecol 116:62-5, 1 May 73
Diurnal variation of estriol excretion in human pregnancy. Duhring JL, et al.
Am J Obstet Gynecol 115:875-80, 1 Apr 73
The value of single-specimen estriol-creatinine determinations during pregnancy. Luther ER, et al.
Am J Obstet Gynecol 116:9-14, 1 May 73
Effects of antibiotics on oestrogen metabolism. Tikkanen MJ, et al. Br Med J 2:369, 12 May 73
An automated method for the determination of estrogens in pregnancy urine. Craig A, et al.
Clin Biochem 6:34-40, Mar 73
Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
Changes in the urinary oestriol conjugate pattern in twin pregnancy. Tikkanen MJ.
J Endocrinol 55:223-4, Oct 72
Urinary oestriol in pregnancy, daily fluctuation, and correlation with fetal growth. Bergsjo P, et al.
J Obstet Gynaecol Br Commonw 80:305-10, Apr 73
Plasma oestriol concentration during normal pregnancy. Masson GM.
J Obstet Gynaecol Br Commonw 80:201-5, Mar 73
Plasma oestriol in pre-eclampsia. Masson GM.
J Obstet Gynaecol Br Commonw 80:206-9, Mar 73
A scoring system for the assessment of multiple methods of monitoring fetal growth. Robinson HP, et al. J Obstet Gynaecol Br Commonw 80:230-5, Mar 73
Urinary excretion of estriol conjugates in normal pregnancy. Tikkanen MJ.
J Steroid Biochem 4:57-63, Jan 73
Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73
Investigation of the metabolism of 3-methoxy-17-epioestriol. Falkay G, et al.
Steroids Lipids Res 3:207-13, 1972
Mechanism of diabetes in pregnancy and hormonal levels for prediction of fetal outcome. Samaan NA.
Tex Med 69:68-71, Apr 73
[Estriol excretion in normal pregnancy and pre-eclampsia] Atasü T.
Wien Med Wochenschr 123:237-40, 14 Apr 73 (Ger)
[Urinary excretion of sex hormones during labor] Dobrotina AF, et al.
Vopr Okhr Materin Det 17:42-5, Nov 72 (Eng. Abstr.) (Rus)

ESTROGENIC SUBSTANCES, CONJUGATED

[Comparative statistical study of the evolution of intercritical foci discharges induced by various epileptogenic agents] Angeleri F, et al.
Riv Neurol 42:491-5, Nov-Dec 72 (Ita)

ADMINISTRATION & DOSAGE

Peripheral levels of estrogen in the PMS-primed cycling hamster. Baranczuk R, et al.
Endocrinology 92:1547-50, May 73
Intravenously given conjugated estrogens. Lack of effect of capillary stability. Zacharski LR, et al.
JAMA 224:1519-20, 11 Jun 73

ADVERSE EFFECTS

Significance of postoperative estrogen therapy on the occurrence and clinical course of cancer. Byrd BF Jr, et al. Ann Surg 177:626-31, May 73
Intravenously given conjugated estrogens. Lack of effect of capillary stability. Zacharski LR, et al.
JAMA 224:1519-20, 11 Jun 73

Estrogens and the menopausal patient.
Med Lett Drugs Ther 15:6-8, 19 Jan 73

CHEMICAL SYNTHESIS

Preparation of oestriol-6-(O-carboxymethyl) oxime and oestrone-6-(carboxymethyl) oxime-bovine serum albumin conjugates. Dean PD, et al.
Steroids Lipids Res 3:82-9, 1972

PHARMACODYNAMICS

Estrogen for older women. Kantor HI, et al.
Am J Obstet Gynecol 116:115-8, 1 May 73
Comparative trial of P1496, a new non-steroidal oestrogen analogue. Utian WH.
Br Med J 1:579-81, 10 Mar 73
Peripheral levels of estrogen in the PMS-primed cycling hamster. Baranczuk R, et al.
Endocrinology 92:1547-50, May 73
Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al.
Endocrinology 92:1565-7, May 73
Effects of methallibure on early pregnancy in swine. Schafer JH, et al. J Anim Sci 36:722-5, Apr 73
Intravenously given conjugated estrogens. Lack of effect of capillary stability. Zacharski LR, et al.
JAMA 224:1519-20, 11 Jun 73
Estrogens and the menopausal patient.
Med Lett Drugs Ther 15:6-8, 19 Jan 73
Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73
[Effect of PMS and HCG on testicular ascorbic acid content in Bufo arenarum Hensel] Blumenkrantz N, et al. C R Soc Biol (Paris) 166:1212, 1972 (Fre)

PHYSIOLOGY

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73

THERAPEUTIC USE

Managing the menopause. Easterling WE Jr.
Am Fam Physician 7:137-42, Mar 73
Significance of postoperative estrogen therapy on the occurrence and clinical course of cancer. Byrd BF Jr, et al. Ann Surg 177:626-31, May 73
Endometriosis of the bowel: role of bowel resection, superficial excision and oophorectomy in treatment. Gray LA. Ann Surg 177:580-7, May 73
Estrogens and the menopausal patient.
Med Lett Drugs Ther 15:6-8, 19 Jan 73

URINE

Investigation of the metabolism of 3-methoxy-17-epioestriol. Falkay G, et al.
Steroids Lipids Res 3:207-13, 1972

ESTROGENS

Inhibition by progesterone of radiation-estrogen-induced mammary cancer in the rat. Segaloff A. Cancer Res 33:1136-7, May 73
Allene versus acetylene in progestational steroids. Galantay EE, et al. Experientia 28:771-2, 15 Jul 72
The effect of oral norethisterone on serum lipid levels in premenopausal women. Gowland E, et al.
J Obstet Gynaecol Br Commonw 80:357-9, Apr 73
[Estrogen deficiency causing osteoporosis in older women] Cyran W.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. 1. The fertile age] Aakvaag A.
Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Eng. Abstr.) (Nor)
[The disease panorama, as revealed by drug prescription data] Bergström I, et al.
Lakartidningen 69:Suppl 4:34-7, 27 Dec 72 (Eng. Abstr.) (Swe)

ADMINISTRATION & DOSAGE

Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al.
Biol Reprod 8:299-305, Apr 73
Comparative trial of P1496, a new non-steroidal oestrogen analogue. Utian WH.
Br Med J 1:579-81, 10 Mar 73
The effect of the statement by the Committee on Safety of Drugs concerning oral contraceptives containing oestrogens on the contraceptive practices of women attending two family planning clinics. Badaracco M, et al.
J Obstet Gynaecol Br Commonw 80:353-6, Apr 73
[Oral estro-progestational agents and the uterine cervix] Brux J de.
Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)
[Use of the intrauterine contraceptive pessary in the treatment of adhesions of traumatic origin] Parvulescu I, et al.
Rev Fr Gynecol Obstet 67:653-4, Nov 72 (Fre)
[The minipill] Mall-Haefeli M.
Praxis 62:523-5, 24 Apr 73 (Ger)
[Thrombelastographic studies of the effects of a new non-steroid estrogen on hemocoagulation] Goisis M, et al.
Minerva Ginecol 25:146-52, Mar 73 (Eng. Abstr.) (Ita)
[Effect of estrogens in hamsters with amebiasis of the liver] Gonzalez-Montesinos F, et al.
Arch Invest Med (Mex) 2:Suppl 2:335-40, 1972 (Eng. Abstr.) (Spa)
[Clinical picture and current therapy of senile colpitis] Belopavlović M, et al.
Med Glas 26:316-21, Sep 72 (Eng. Abstr.) (Cro)

ADVERSE EFFECTS

Pre-estrogen irradiation of the breast to prevent gynecomastia. Cook S, et al.
Am J Roentgenol Radium Ther Nucl Med 117:662-3, Mar 73
Mucha-Habermann disease following estrogen-progesterone therapy. Hollander A, et al.
Arch Dermatol 107:465, Mar 73
Comparative trial of P1496, a new non-steroidal oestrogen analogue. Utian WH.
Br Med J 1:579-81, 10 Mar 73
Etiology of human breast cancer: a review. MacMahon B, et al. J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)
Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. Lancet 809:899-904, 28 Apr 73
Vitamin C and colds. Briggs M, et al.
Lancet 1:998, 5 May 73
Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al.
Lancet 1:628-31, 24 Mar 73
Hormone treatment during pregnancy and congenital heart defects. Levy EP, et al. Lancet 1:611, 17 Mar 73
Oral contraceptives and cerebrovascular disease.
Lancet 1:981, 5 May 73
Oral contracetpives and vitamin B 6
Nutr Rev 31:49-50, Feb 73
Is malignant melanoma an endocrine-dependent tumor? The possible adverse effect of estrogen. Sadoff L, et al. Oncology 27:244-57, 1973
Transplacental induction of vaginal cancer by synthetic estrogens. Greenwald P, et al.
Prog Clin Cancer 5:13-9, 1973
Canine teratogenesis with an estrogen antagonist. Schardein JL, et al. Teratology 7:199-203, Apr 72
[Oral estro-progestational agents and the uterine cervix] Brux J de.
Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)
[Relevance of animal experiment results for human carcinogenesis] Dallenbach FD.
Fortschr Med 91:435-40, 12 Apr 73 (Ger)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Problems of drug residues in foodstuffs of animal origin] Grossklaus D.
Zentralbl Bakteriol [Orig B] 156:187-98, Sep 72 (Eng. Abstr.) (Ger)

ANALYSIS

[Problems of drug residues in foodstuffs of animal origin] Grossklaus D.
Zentralbl Bakteriol [Orig B] 156:187-98, Sep 72 (Eng. Abstr.) (Ger)
[Clinical aspects of the efficacy of an oral contraceptive ethynodiol diacetate (Bisecurin) as a function of the

estrogen component] Krzywdziński K, et al. Ginekol Pol 44:271-5, Mar 73 (Eng. Abstr.) (Pol)
[Sex hormone levels in periodontal disease in girls with sexual maturation disorders] Vishnial GN, et al. Stomatologiia (Mosk) 52:59-61, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Determination of the androgen saturation of the organism using hormonal skin tests] Korik GG. Urol Nefrol (Mosk) 38:49-52, Jan-Feb 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Inhibition of ovulation in the rat by intrahypothalamic implants of an antioestrogen. Billard R, et al. J Endocrinol 56:585-90, Mar 73
The interconversion of oestrone and oestradiol-17 and the concentration of oestradiol-17 receptors in cultured rabbit uterus. Russell SL, et al. J Endocrinol 56:203-11, Feb 73
Effects of oestrogen and progesterone on brain monoamines: interactions with psychotropic drugs. Greengrass PM, et al. J Pharm Pharmacol 24:Suppl:149P, Dec 72
An anticancer drug: tamoxifen. NZ Med J 77:106, Feb 73
Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al. Physiol Behav 10:35-40, Jan 73
The antiestrogenic effects of the ICI compound 46,474 in the green frog, Rana esculenta L. Rastogi RK. Steroids Lipids Res 3:59-64, 1972
Canine teratogenesis with an estrogen antagonist. Schardein JL, et al. Teratology 7:199-203, Apr 72

BIOSYNTHESIS

A possible explanation for spontaneous breast development in XY gonadal dysgenesis. Cantu JM, et al. Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Eng. Abstr.) (Fre)
Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73
[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73
[Inhibition of glucose-6-phosphate dehydrogenase by steroids. 7. Influence of placental G-6-PDH activity on estrogen synthesis from 7-alpha-3H-DHEA, 7-alpha-3H-DHEA sulfate or 7-alpha-3H-DHEA sulfatide] Hoffmann G, et al. Endokrinologie 61:124-31, 1973 (Eng. Abstr.) (Ger)
[Biosynthesis of estrogens during pregnancy (survey of the literature)] Bagramian ER, et al. Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)

BLOOD

A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. Am J Obstet Gynecol 115:169-80, 15 Jan 73
Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al. Endocrinology 92:1507-14, May 73
Hormonal levels linked to migraine during the menstrual period. Dalessio DJ. Headache 13:29-31, Apr 73
The binding of oestrogens to ovine serum albumin. Challis JR. J Endocrinol 56:319-20, Feb 73
Levels of oestrogen and progesterone in the plasma of the cow during the last month of pregnancy. Symons AM. J Endocrinol 56:327-8, Feb 73
Changes in unconjugated oestrogens and progesterone concentration in plasma at the approach of labour. Shaaban MM, et al. J Obstet Gynaecol Br Commonw 80:210-7, Mar 73
Ultrastructure and endocrinological correlates of an early implantation site in the rhesus monkey. Reinius S, et al. J Reprod Fertil 32:171-3, Jan 73
Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al. J Steroid Biochem 4:1-10, Jan 73
Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. Prostaglandins 1:443-51, Jun 72
Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. Urol Int 28:127-34, 1973
[Dynamics of estrogens in blood and urine during pregnancy following anovulatory hemorrhages] Benediktov II, et al. Vopr Okhr Materin Det 17:45-8, Nov 72 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

[Dioxanyl ethers and oxathianyl ethers of natural and synthetic estrogens] Gandolfi C, et al. Farmaco [Sci] 28:186-202, Mar 73 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al. J Steroid Biochem 4:1-10, Jan 73

METABOLISM

Predictability of response to endocrine ablation in advanced breast carcinoma. A correlation to estrogen receptor and steroid sulfurylation. Leung BS, et al. Arch Surg 106:515-9, Apr 73
Effects of antibiotics on oestrogen metabolism. Tikkanen MJ, et al. Br Med J 2:369, 12 May 73
Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. J Reprod Med 10:193-6, Apr 73
The specificity of the estrogen receptor of human uterus. Hähnel R, et al. J Steroid Biochem 4:21-31, Jan 73
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B. J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
Metabolism of hormones, drugs and other substances by the gut. Hartiala K. Physiol Rev 53:496-534, Apr 73 (372 ref.)
Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al. Psychosom Med 35:143-54, Mar-Apr 73
Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Matkovics B, et al. Steroids Lipids Res 3:118-24, 1972
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. Urol Int 28:127-34, 1973
[Dysfunctional endometria and their dynamic correlations. Dynamic correlations with the morphology of a dysfunctional endometrium] Kobilková J, et al. Sb Lek 75:135-50, 1973 (Eng. Abstr.) (Cze)
[Estrogen deficiency causing osteoporosis in older women] Cyran W. Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Hormonal disorders and arthropathies of the temporomandibular joints] Loewit K, et al. Osterr Z Stomatol 70:122-5, Apr 73 (Ger)
[The etiology and treatment of dyshormonal hyperplasia of the breast] Popova OB, et al. Vopr Onkol 18:78-9, 1972 (Rus)

PHARMACODYNAMICS

Effect of castration and peroral estrogen therapy on the skin. Punnonen R. Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972
The dysfunctional and the neoplastic: clinical investigation in the service of patient care in endometrial cancer. Gusberg SB. Am J Obstet Gynecol 116:175-83, 15 May 73

The promise of pharmacologic modification of ovum transport in contraceptive development. Pauerstein CJ, et al. Am J Obstet Gynecol 116:161-6, 15 May 73

Collagen proline hydroxylase activity in the uterus of the rat during rapid collagen synthesis in vivo. Salvador RA, et al.
Arch Biochem Biophys 154:583-92, Feh 73

Prenatal exposure to female hormones. Effect on psychosexual development in boys. Yalom ID, et al.
Arch Gen Psychiatry 28:554-61, Apr 73

Effect of some estrogens and progesterone on calcium uptake and calcium release hy myometrial mitochondria. Batra SC.
Biochem Pharmacol 22:803-9, 1 Apr 73

Effects of estrogen and progesterone on acute activation of uterine phosphorylase. Rinard GA.
Biochim Biophys Acta 286:416-25, 29 Dec 72

Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al.
Biol Reprod 8:299-305, Apr 73

Comparative trial of P1496, a new non-steroidal oestrogen analogue. Utian WH.
Br Med J 1:579-81, 10 Mar 73

Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al.
Clin Pharmacol Ther 14:455-61, May-Jun 73

Interactions of nutrients with oral contraceptives and other drugs. Butterworth CE Jr.
J Am Diet Assoc 62:510-4, May 73

Zeranol and dietary protein level effects on DNA, RNA and protein composition of three muscles and the relationship to serum insulin and GH levels of steers. Borger ML, et al. J Anim Sci 36:712-5, Apr 73

Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and hlood metaholite levels of steers. Borger ML, et al. J Anim Sci 36:706-11, Apr 73

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and puhertal children. Kelch RP, et al.
J Clin Invest 52:1122-8, May 73

Glucocorticoid suppression of macrophage migration inhihitory factor. Balow JE, et al.
J Exp Med 137:1031-41, 1 Apr 73

Effect of oestrogen on jejunal secretions of dogs. A preliminary communication. Misra NK, et al.
J Indian Med Assoc 59:505-7, 16 Dec 72

DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H mouse mammary gland. Banerjee MR, et al.
J Natl Cancer Inst 50:339-45, Feb 73

Effects of oestrogen and progesterone on hrain monoamines: interactions with psychotropic drugs. Greengrass PM, et al.
J Pharm Pharmacol 24:Suppl:149P, Dec 72

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)

The action of catecholamines on guinea-pig taenia coli. Bülhring E, et al.
Philos Trans R Soc Lond [Biol Sci] 265:115-21, 15 Mar 73

Sarcoplasmic reticulum and mitochondria as cation accumulation sites in smooth muscle. Devine CE, et al.
Philos Trans R Soc Lond [Biol Sci] 265:17-23, 15 Mar 73

Menopause, hormones and ageing. Utian WH.
S Afr Med J 47:716, 5 May 73

[Action mechanism of steroid hormones] Karlson P, et al.
Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)

[Preoperative suppression of menstruation?] Kepp R.
Dtsch Med Wochenschr 98:745, 6 Apr 73 (Ger)

[Hormonal regulation of lipid metaholism. 19th symposium of the German Society of Endocrinology]
Dtsch Med Wochenschr 98:787-91, 13 Apr 73 (Ger)

[Release of a positive estrogen feedback effect in homosexual men] Dörner G, et al.
Endokrinologie 60:297-301, 1972 (Eng. Abstr.) (Ger)

[The minipill] Mall-Haefeli M.
Praxis 62:523-5, 24 Apr 73 (Ger)

[Effect of estrogens and hypophyseal gonsdotropins on milk] Kästli P.
Wien Tieraerztl Monatsschr 60:43-6, Feb-Mar 73 (Eng. Abstr.) (Ger)

[Influence of ascorhic acid and estrogens on cathepsin activity of human ovarian tissue] Niedner W, et al.
Zentralbl Gynaekol 95:247-52, 23 Feh 73 (Ger)

[Dioxanyl ethers and oxathianyl ethers of natural and synthetic estrogens] Gandolfi C, et al.
Farmaco [Sci] 28:186-202, Mar 73 (Eng. Abstr.) (Ita)

[Thrombelastographic studies of the effects of a new non-steroid estrogen on hemocoagulation] Goisis M, et al.
Minerva Ginecol 25:146-52, Mar 73 (Eng. Abstr.) (Ita)

[Action mechanism of androgen on the prostate] Shida K, et al.
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)

[Clinical aspects of the efficacy of an oral contraceptive ethynodiol diacetate (Bisecurin) as a function of the estrogen component] Krzywdziński K, et al.
Ginekol Pol 44:271-5, Mar 73 (Eng. Abstr.) (Pol)

[Mechanism of action of estrogenic hormones] Ganea E. Stud Cercet Endocrinol 24:247-9, 1973 (Rum)

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feh 73 (83 ref.) (Eng. Abstr.) (Rus)

[The role of hormones, serotonin and cyclic adenosine-3 1 ,5 1 -monophosphate in uterine muscle cell contraction] Baksheev NS.
Pediatr Akush Ginekol 6:33-5, 1972 (Ukr)

PHYSIOLOGY

Hormonal vaginal cytology in Canis familiaris. Deleon I, et al. Acta Physiol Lat Am 22:227-32, 1972

Managing the menopause. Easterling WE Jr.
Am Fam Physician 7:137-42, Mar 73

The influence of low estrogen levels on the ATP-ase activity of healthy and injured liver. Kulesár-Gergely J, et al. Endokrinologie 61:149-51, 1973

Nidation induced in mice during the lactational delay hy the presence of strange males. Bloch S.
J Endocrinol 57:185-6, Apr 73

Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. Catalá S, et al. J Endocrinol 56:219-25, Feh 73

Adenohypophysial growth and hinding of thyroxine hy adenohypophysial proteins in vitro. Schreiber V.
Rev Czech Med 19:3-14, 1973

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarst 24:1-6, Jan 73 (52 ref.) (Ger)

[Blood pressure, contraceptive pills and natural sex steroids] Bergsjo P.
Tidsskr Nor Laegeforen 93:459-60, 10 Mar 73 (Nor)

[The role of the pituitary gland in lactation] Velle W.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

[Diseases caused hy adrenal dyshormonogenesis. The concept of minor enzymopathy. The 3 beta-hydroxysteroid dehydrogenase hlock; its possihle importance in the pathogenesis of hreast cancer] Sohrinho LG, et al.
Rev Iber Endocrinol 20:113-69, Mar 73 (Eng. Abstr.) (Por)

[Molecular basis of the relation between the cytotoxic effect of antineoplastic compounds and the cell cycle phase] Belousova AK.
Vopr Onkol 18:88-96, 1972 (70 ref.) (Rus)

[The role of hormones, serotonin and cyclic adenosine-3 1 ,5 1 -monophosphate in uterine muscle cell contraction] Baksheev NS.
Pediatr Akush Ginekol 6:33-5, 1972 (Ukr)

SECRETION

Granular cell myohlastoma of trachea associated with pregnancy. Benisch BM, et al. Chest 63:832-3, May 73

Oestrogen production hy individual follicles explanted from ovaries of sheep. Moor RM.
J Reprod Fertil 32:545-8, Mar 73

Cortisol levels in toxaemic and normal pregnancy. Galvão-Teles A, et al. Lancet 1:737-40, 7 Apr 73

Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin. Levina SE. Sov J Dev Biol 3:249-52, May-Jun 72

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and

hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Endocrinology of pregnancy (review of the literature)] Manuilova IA, et al.
Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)
[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al.
Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)
[Neutral 17-ketosteroids, estrogens and gonadotropins and the urine of males with endocrine forms of sex dysfunction disorders] Nishchymenko OV.
Fiziol Zh 18:627-31, Sep-Oct 72 (Eng. Abstr.) (Ukr)
[Some changes in ovarian function in women exposed to organochlorine compounds] Blekherman NA, et al.
Pediatriia 52:57-9, Feb 73 (Ukr)

THERAPEUTIC USE

Managing the menopause. Easterling WE Jr.
Am Fam Physician 7:137-42, Mar 73
Human amniotic fluid lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment. Spellacy WN, et al.
Am J Obstet Gynecol 115:216-8, 15 Jan 73
Pre-estrogen irradiation of the breast to prevent gynecomastia. Cook S, et al.
Am J Roentgenol Radium Ther Nucl Med 117:662-3, Mar 73
Prenatal exposure to female hormones. Effect on psychosexual development in boys. Yalom ID, et al.
Arch Gen Psychiatry 28:554-61, Apr 73
Carcinoma of the prostate. A retrospective analysis of conventional management in 110 cases. Aubrey DA, et al. Br J Surg 60:283-6, Apr 73
Macrophage activity and hormonal responsiveness in mammary cancer. George WD, et al.
Br J Surg 60:317, Apr 73
When the diagnosis doesn't fit the clinical picture.
Geriatrics 28:52 passim, Mar 73
DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H mouse mammary gland. Banerjee MR, et al.
J Natl Cancer Inst 50:339-45, Feb 73
A Latin American field trial with a once-a-month oral contraceptive. Leguia AL.
J Reprod Med 10:202-3, Apr 73
The effects of treatment on the local lesion of carcinoma of the prostate. Cosgrove MD, et al.
J Urol 109:861-5, May 73
Correlation between ploidy and prognosis in prostatic carcinoma. Tavares AS, et al. J Urol 109:676-9, Apr 73
Estrogen-induced hypercalcemia. Boasberg P.
JAMA 224:1190, 21 May 73
Transplacental induction of vaginal cancer by synthetic estrogens. Greenwald P, et al.
Prog Clin Cancer 5:13-9, 1973
Histochemical and biochemical investigation of advanced prostatic carcinoma treated with estramustine phosphate, Estracyt. Nilsson T, et al.
Scand J Urol Nephrol 7:18-22, 1973
Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973
[Addison's disease followed-up for 11 years. Comatose episodes, development of polyendocrine diseases. Pathogenetic and therapeutic considerations] Albeaux-Fernet M, et al.
Sem Hop Paris 49:257-60, 20 Jan 73 (Eng. Abstr.) (Fre)
[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)
[Estrogen deficiency causing osteoporosis in older women] Cyran W.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Therapy of the most important male genital carcinomas] Feustel A.
Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)
[Current status and treatment of nasopharyngeal fibroma] Lazeanu M, et al.
Otorinolaringologie 18:1-16, Jan-Feb 73 (Eng. Abstr.) (Rum)
[Effect of estrogens in hamsters with amebiasis of the liver] Gonzalez-Montesinos F, et al.
Arch Invest Med (Mex) 2:Suppl 2:335-40, 1972 (Eng. Abstr.) (Spa)
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

URINE

Effect of castration and peroral estrogen therapy on the skin. Punnonen R.
Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972
Ultrastructural study of virilizing adrenocortical adenoma. Fisher ER, et al.
Am J Clin Pathol 59:480-9, Apr 73
Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al.
Am J Obstet Gynecol 114:739-47, 15 Nov 72
A comparison of serum cystine aminopeptidase and urinary estrogen excretion as placental function tests. Curzen P, et al.
Am J Obstet Gynecol 115:929-32, 1 Apr 73
Estrogen monitoring and the prevention of ovarian overstimulation during gonadotropin therapy. Karam KS, et al. Am J Obstet Gynecol 115:972-7, 1 Apr 73
Reduction of maternal estrogen excretion by neomycin. Pulkkinen MO, et al.
Am J Obstet Gynecol 115:1153, 15 Apr 73
Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72
An automated method for the determination of estrogens in pregnancy urine. Craig A, et al.
Clin Biochem 6:34-40, Mar 73
Stanbio and "Tekit" methods for placental estrogens compared. Besch PG, et al. Clin Chem 19:434, Apr 73
Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Zárate A, et al.
Fertil Steril 24:340-4, May 73
Comparison of ammonium sulfate precipitation and resin adsorption methods for routine measurements of total urinary estrogens in pregnancy. Hagerman DD, et al. Gynecol Invest 3:195-202, 1972
The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J.
Gynecol Prat 23:117-23, 1972
Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73
The role of gas-liquid chromatography in steroid hormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
The value of a cervical score in the assessment of ovarian function. Flynn AM, et al.
J Obstet Gynaecol Br Commonw 80:152-9, Feb 73
Fetal growth and placental function in patients with placenta praevia. Varma TR.
J Obstet Gynaecol Br Commonw 80:311-5, Apr 73
Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73
19-Nortestosterone. I. Its metabolism in the rabbit. Both-Miedema R, et al.
Steroids Lipids Res 3:49-58, 1972
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al.
Urol Int 28:127-34, 1973
Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Determination of the somatomammotrophic chorionic hormone (or placental lactogen hormone) in the plasma of pregnant women. Its value in cases of fetoplacental hypotrophy] Hubert C, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Eng. Abstr.) (Fre)
[Studies using synthetic progestogens in drug therapy

of so-called prostatic hypertrophy] Scultéty S, et al. Z Urol Nephrol 66:49-59, Jan 73 (Ger)
[Placental function in dilatol therapy] Halle H, et al. Zentralbl Gynaekol 95:267-70, 23 Feb 73 (Ger)
[Clinical aspects of chronic placental insufficiency] Kyank H, et al. Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)
[Correlation between hormone analyses and endometrial studies in ovarian insufficiency] Link M. Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)
[Analysis of developmental dynamics in girls in early pubertal age] Blaim A, et al. Ginekol Pol 44:283-9, Mar 73 (Eng. Abstr.) (Pol)
[Gonadotropic and steroid hormone excretion during 17-oxyprogesterone caproate therapy of primary endometrial cancer] Mezinova NN, et al. Akush Ginekol (Mosk) 49:40-4, Jan 73 (Eng. Abstr.) (Rus)
[Results of conservative myomectomy in women of child-bearing age] Vasilevskaia LN. Akush Ginekol (Mosk) 49:21-3, Jan 73 (Eng. Abstr.) (Rus)
[Estrogen and androgen excretion in men with coronary atherosclerosis] Tiul'pin IN, et al. Klin Med (Mosk) 50:105-10, Aug 72 (Eng. Abstr.) (Rus)
[Excretion of sex hormones in patients with stomach and duodenal ulcers] Kochkarev VM. Ter Arkh 44:29-31, Oct 72 (Eng. Abstr.) (Rus)
[Dynamics of estrogens in blood and urine during pregnancy following anovulatory hemorrhages] Benediktov II, et al. Vopr Okhr Materin Det 17:45-8, Nov 72 (Eng. Abstr.) (Rus)
[Urinary excretion of sex hormones during labor] Dobrotina AF, et al. Vopr Okhr Materin Det 17:42-5, Nov 72 (Eng. Abstr.) (Rus)
[Body built and endocrine changes in women with habitual abortions] Koreneva GP, et al. Vopr Okhr Materin Det 17:48-51, Nov 72 (Eng. Abstr.) (Rus)
[Urinary excretion of estrogens in healthy females during puberty] Lobanova LA, et al. Vopr Okhr Materin Det 17:36-8, Nov 72 (Eng. Abstr.) (Rus)
[Hormonal disorders in dyshormonal breast hyperplasia] Turkevich NM, et al. Vopr Onkol 19:31-5, 1973 (Eng. Abstr.) (Rus)
[Neutral 17-ketosteroids, estrogens and gonadotropins and the urine of males with endocrine forms of sex dysfunction disorders] Nishchymenko OV. Fiziol Zh 18:627-31, Sep-Oct 72 (Eng. Abstr.) (Ukr)
[The morphology of the endometrium, cytology of vaginal smears and sex hormone excretion of women following prolonged use of loop type intrauterine contraceptive devices] Latik IV. Pediatr Akush Ginekol 5:50-2, Oct 72 (Ukr)
[Urinary excretion of various steroid hormones during the physiological course of pregnancy and in threatened spontaneous premature interruption] Timoshenko LV, et al. Pediatr Akush Ginekol 5:38-40, Oct 72 (Ukr)

ESTRONE

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al. Clin Chim Acta 44:209-16, 14 Mar 73
Preparation of oestriol-6-(O-carboxymethyl) oxime and oestrone-6-(carboxymethyl) oxime-bovine serum albumin conjugates. Dean PD, et al. Steroids Lipids Res 3:82-9, 1972
In vitro transformation of steroids as a substitute of microbial transformation. Matkovics B. Steroids Lipids Res 3:1-7, 1972 (15 ref.)

ADMINISTRATION & DOSAGE

Postcoital contraceptive effects of medroxyprogesterone acetate and oestrone in rats. Dickmann Z. J Reprod Fertil 32:65-9, Jan 73

ADVERSE EFFECTS

Peliosis hepatis. Possible etiologic role of anabolic steroids. Naeim F, et al. Arch Pathol 95:284-5, Apr 73

ANALYSIS

Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73

BIOSYNTHESIS

Low magnitude transformation of estradiol to estrone in human endometrium. Sweat ML, et al. Biochim Biophys Acta 296:189-95, 19 Jan 73
Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73
Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al. Endocrinology 92:788-91, Mar 73
Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73
Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al. J Biol Chem 248:1598-602, 10 Mar 73
[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73
Formation of 2-methoxyoestrone from oestrone in human foetal adrenals in vitro. Stárka L, et al. J Steroid Biochem 4:17-9, Jan 73

BLOOD

A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. Am J Obstet Gynecol 115:169-80, 15 Jan 73
Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73
Peripheral levels of estrogen in the cyclic hamster. Baranczuk R, et al. Endocrinology 92:805-12, Mar 73
Peripheral levels of estrogen in the PMS-primed cycling hamster. Baranczuk R, et al. Endocrinology 92:1547-50, May 73
Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. J Clin Endocrinol Metab 36:867-79, May 73
Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Kelch RP, et al. J Clin Invest 52:1122-8, May 73
The binding of oestrogens to ovine serum albumin. Challis JR. J Endocrinol 56:319-20, Feb 73
Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73
Oestrone and oestradiol in jugular vein plasma during the oestrous cycle of the cow. Mason BD, et al. J Endocrinol 55:141-6, Oct 72
Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. J Endocrinol 55:41-9, Oct 72
Variability of hormone concentrations and ratios in commercial sera used for tissue culture. Esber HJ, et al. J Natl Cancer Inst 50:559-62, Feb 73
Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al. J Steroid Biochem 4:1-10, Jan 73
Radioimmunoassay of estrone and estradiol-17 in peripheral plasma of pregnant and non-pregnant women. Hertogh R de. J Steroid Biochem 4:75-84, Jan 73
The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C. Steroids 21:583-92, Apr 73
Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. Steroids 21:565-82, Apr 73

DIAGNOSTIC USE

[Determination of the androgen saturation of the organism using hormonal skin tests] Korik GG. Urol Nefrol (Mosk) 38:49-52, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

The kinetics of oestradiol -17 metabolism in the sheep. Challis JR, et al. J Endocrinol 57:97-110, Apr 73

Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73

The interconversion of oestrone and oestradiol-17 and the concentration of oestradiol-17 receptors in cultured rabbit uterus. Russell SL, et al.
J Endocrinol 56:203-11, Feb 73

Formation of 2-methoxyoestrone from oestrone in human foetal adrenals in vitro. Stárka L, et al.
J Steroid Biochem 4:17-9, Jan 73

Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973

Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Matkovics B, et al.
Steroids Lipids Res 3:118-24, 1972

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

[Estradiol-17 receptors in the liver of chicken and the amphibian Discoglossus pictus] Ozon R, et al.
Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)

[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al.
Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)

[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al.
Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)

[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al.
Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Acute response of the mouse bladder to derivatives of 4-ethylsulphonylnaphthalene-1-sulphonamide and bladder carcinogens measured by the uptake of (125 I)5-iodo-2 -deoxyuridine. Clayson DB, et al.
Chem Biol Interact 6:107-18, Feb 73

Nuclear receptor-estrogen complex: relationship between concentration and early uterotrophic responses. Anderson JN, et al.
Endocrinology 92:1488-95, May 73

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73

Postcoital contraceptive effects of medroxyprogesterone acetate and oestrone in rats. Dickmann Z. J Reprod Fertil 32:65-9, Jan 73

Excess dietary methionine and pregnancy in the rat. Viau AT, et al. J Reprod Fertil 33:109-11, Apr 73

The effects of erythritol, FSH and female gonadal hormones on the growth in vitro of Vibrio fetus var. venerealis. Walsh AF, et al.
J Reprod Fertil 32:465-71, Mar 73

PHYSIOLOGY

Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73

THERAPEUTIC USE

[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)

URINE

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al.
Endocrinology 92:657-66, Mar 73

Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al.
Endocrinology 92:1397-404, May 73

Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al.
J Clin Endocrinol Metab 36:867-79, May 73

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73

Investigation of the metabolism of 3-methoxy-17-epioestriol. Falkay G, et al.
Steroids Lipids Res 3:207-13, 1972

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)

ETHINYL ESTRADIOL

LH and FSH releasing potency of the synthetic decapeptide p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Thomas K, et al.
Contraception 6:55-64, Jul 72

Alteration of bile canalicular enzymes in cholestasis. A possible cause of bile secretory failure. Simon FR, et al. J Clin Invest 52:765-75, Apr 73

ADMINISTRATION & DOSAGE

Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al.
Br Med J 2:389-92, 19 May 73

Effect of oral contraceptives on the thromboelastogram. Fisch IR, et al.
Clin Pharmacol Ther 14:238-44, Mar-Apr 73

A report of a collaborative dose-response clinical study using decreasing doses of combination oral contraceptives. Preston SN.
Contraception 6:17-35, Jul 72

Effects of estrogen treatment on plasma renin parameters in the rat. Menard J, et al.
Endocrinology 92:1382-8, May 73

Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73

Cycle pattern and pregnancy rate following combined clomiphene-estrogen therapy. Insler V, et al.
Obstet Gynecol 41:602-7, Apr 73

Estrogenic profile of 8-azaethynylestradiol. Rassaert CL, et al. Steroids Lipids Res 3:185-92, 1972

[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)

[Thrombelastographic studies of the effects of a new non-steroid estrogen on hemocoagulation] Goisis M, et al.
Minerva Ginecol 25:146-52, Mar 73 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Reversible mesenteric vascular occlusion associated with oral contraceptives. Nothmann BJ, et al.
Am J Dig Dis 18:361-8, May 73

Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al.
Br Med J 2:389-92, 19 May 73

A report of a collaborative dose-response clinical study using decreasing doses of combination oral contraceptives. Preston SN.
Contraception 6:17-35, Jul 72

Actions of steroid contraceptives on gametic material. Boué A, et al.
Geburtshilfe Frauenheilkd 33:77-85, Feb 73

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

[Retinal artery complications caused by oral contraceptives] Jamotton L, et al.
Bull Soc Belge Ophtalmol 161:669-82, 1972 (Fre)

[3 cases of cataract occurring in women taking the same oral contraceptive. Is this a coincidence?] Goddé-Jolly D, et al. Bull Soc Ophtalmol Fr 12:441-2, Apr 72 (Fre)

[Lupic syndrome and estroprogestative drugs]

Cordonnier V, et al.
J Sci Med Lille 90:431-2, Dec 72 (Fre)
[Practical experience with a new contraceptive of the modified sequential type] Welti H.
Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al.
Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)

ANALYSIS

Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73

DIAGNOSTIC USE

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

METABOLISM

[Binding of 17-alpha-ethinyl estradiol and mestranol to uterine and pituitary gland receptors of the rat in vitro] Schubert K, et al.
Endokrinologie 61:9-12, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
Effect of some estrogens and progesterone on calcium uptake and calcium release by myometrial mitochondria. Batra SC.
Biochem Pharmacol 22:803-9, 1 Apr 73
Effect of oral contraceptives on the thromboelastogram. Fisch IR, et al.
Clin Pharmacol Ther 14:238-44, Mar-Apr 73
Effects of estrogen treatment on plasma renin parametera in the rat. Menard J, et al.
Endocrinology 92:1382-8, May 73
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. Keich RP, et al.
J Clin Invest 52:1122-8, May 73
Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73
Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. Knopp RH, et al. J Reprod Med 10:95-101, Mar 73
Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73
Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Legros JJ, et al.
Nature [New Biol] 241:247-9, 21 Feb 73
Estrogenic profile of 8-azaethynylestradiol. Rassaert CL, et al. Steroids Lipids Res 3:185-92, 1972
[Practical experience with a new contraceptive of the modified sequential type] Welti H.
Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)
[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)

STANDARDS

[Dioxanyl ethers and oxathianyl ethers of natural and synthetic estrogens] Gandolfi C, et al.
Farmaco [Sci] 28:186-202, Mar 73 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
Managing the menopause. Easterling WE Jr.
Am Fam Physician 7:137-42, Mar 73
Cycle pattern and pregnancy rate following combined clomiphene-estrogen therapy. Insler V, et al.
Obstet Gynecol 41:602-7, Apr 73
Histochemical and biochemical enzyme studies in prostatic carcinomatous tissue before and during treatment with estrogen. Nilsson T, et al.
Scand J Urol Nephrol 7:14-7, 1973

ETHISTERONE

ADVERSE EFFECTS

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

DIAGNOSTIC USE

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

ETHYLESTRENOL

PHARMACODYNAMICS

Clinical and laboratory double-blind investigation on effect of fibrinolytic therapy in patients with cutaneous vasculitis. Dodman B, et al.
Br Med J 2:82-4, 14 Apr 73
Effect of hypophysectomy and catstoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973
Protection by catstoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Selye H, et al.
Steroids Lipids Res 3:156-9, 1972

THERAPEUTIC USE

Clinical and laboratory double-blind investigation on effect of fibrinolytic therapy in patients with cutaneous vasculitis. Dodman B, et al.
Br Med J 2:82-4, 14 Apr 73

ETHYNODIOL DIACETATE

ADVERSE EFFECTS

Actions of steroid contraceptives on gametic material. Boué A, et al.
Geburtshilfe Frauenheilkd 33:77-85, Feb 73
[Lupic syndrome and estroprogestative drugs] Cordonnier V, et al.
J Sci Med Lille 90:431-2, Dec 72 (Fre)

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al.
Am J Obstet Gynecol 116:91-100, 1 May 73
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73
[Clinical aspects of the efficacy of an oral contraceptive ethynodiol diacetate (Bisecurin) as a function of the estrogen component] Krzywdziński K, et al.
Ginekol Pol 44:271-5, Mar 73 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72

FERTILITY AGENTS

Chemistry and biology of the acylneuraminic acids. Schauer R.
Angew Chem [Engl] 12:127-38, Feb 73 (174 ref.)

FLUOXYMESTERONE

ADVERSE EFFECTS

Improvement in the anemia of chronic renal failure

with fluoxymesterone. Eschbach JW, et al. **Ann Intern Med 78:527-32, Apr 73**
Peliosis hepatis. Possible etiologic role of anabolic steroids. Naeim F, et al. **Arch Pathol 95:284-5, Apr 73**
Acute leukemia complicating metastatic breast cancer. Davis HL Jr, et al. **Cancer 31:543-6, Mar 73**

DIAGNOSTIC USE

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab 36:867-79, May 73**

THERAPEUTIC USE

Improvement in the anemia of chronic renal failure with fluoxymesterone. Eschbach JW, et al. **Ann Intern Med 78:527-32, Apr 73**
Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**
Acute leukemia complicating metastatic breast cancer. Davis HL Jr, et al. **Cancer 31:543-6, Mar 73**

GONANES

Correlation between carcinogenicity and chemical structure in cyclopenta(a)phenanthrenes. Coombs MM, et al. **Cancer Res 33:832-7, Apr 73**

HEXESTROL

ADVERSE EFFECTS

[Drug-induced lipidosis. IV. Morphological aspect of leukocytes and bone marrow cells in human cases and animal experiments induced by 4,4'-diethylaminoethoxy-hexestrol] Kitani T, et al. **Acta Haematol Jap 35:131-45, Apr 72 (Eng. Abstr.) (Jap)**

METABOLISM

The specificity of the estrogen receptor of human uterus. Hähnel R, et al. **J Steroid Biochem 4:21-31, Jan 73**

HYDROXYPREGNENOLONE

ISOLATION & PURIFICATION

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. **J Steroid Biochem 4:85-7, Jan 73**

HYDROXYPROGESTERONE

BIOSYNTHESIS

Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al. **Endocrinology 92:788-91, Mar 73**

BLOOD

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab 36:867-79, May 73**
[Effect of prostaglandin E 2 (PGE 2) on the function of the corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)**
[Participation of 17 alpha-hydroxyprogesterone in the mechanism of ovulation] Cortés-Gallegos V. **Gac Med Mex 105:103-9, Jan 73 (Spa)**

METABOLISM

Distribution of steroid 1-dehydrogenation and side-chain degradation enzymes in the spores of Fusarium solani: causes of metabolic lag and carbohydrate independence. Plourde R, et al. **Appl Microbiol 25:650-8, Apr 73**
Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al. **Arch Intern Med 131:563-9, Apr 73**
Carbon monoxide inhibition of progesterone hydroxylation and side-chain cleavage catalyzed by rat testis microsomes. McMurtry RJ, et al. **Steroids Lipids Res 3:8-13, 1972**

PHARMACODYNAMICS

Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al. **Antonie van Leeuwenhoek 39:21-31, 1973**
Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. **Endocrinology 92:743-9, Mar 73**
Apparent relation of metabolites of progesterone to progesterone activity: 16 -hydroxyprogesterone antagonism in the uterine stromal nuclei of the mouse. Chatterton RT Jr, et al. **Endocrinology 92:1451-7, May 73**
Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab 36:886-93, May 73**
Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. Knopp RH, et al. **J Reprod Med 10:95-101, Mar 73**
[Experimental cancer of the cervix uteri in the mouse under the influence of norhydroxyprogesterone-capronate] Herzog R, et al. **Beitr Pathol 148:230-41, Mar 73 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al. **Am J Obstet Gynecol 115:966-71, 1 Apr 73**
Endolymphatic stromal myosis with pulmonary metastases. Remission with progestin therapy: report of a case. Krumholz BA, et al. **J Reprod Med 10:85-9, Feb 73**
Megestrol acetate (Megace) and other progestins in advanced endometrial carcinoma. **Med Lett Drugs Ther 15:27-8, 16 Mar 73**
[Studies using synthetic progestogens in drug therapy of so-called prostatic hypertrophy] Scultéty S, et al. **Z Urol Nephrol 66:49-59, Jan 73 (Ger)**

LYNESTRENOL

ADMINISTRATION & DOSAGE

Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Thomas K, et al. **Contraception 6:1-16, Jul 72**
[Ovanon (Nourypharma)--a normophasic ovulation inhibitor--field test] Bayer R. **Wien Klin Wochenschr 85:241-4, 13 Apr 73 (Eng. Abstr.) (Ger)**

ADVERSE EFFECTS

Actions of steroid contraceptives on gametic material. Boué A, et al. **Geburtshilfe Frauenheilkd 33:77-85, Feb 73**
[Retinal artery complications caused by oral contraceptives] Jamotton L, et al. **Bull Soc Belge Ophtalmol 161:669-82, 1972 (Fre)**

PHARMACODYNAMICS

Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Thomas K, et al. **Contraception 6:1-16, Jul 72**
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al. **Fertil Steril 24:284-91, Apr 73**
Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. **J Obstet Gynaecol Br Commonw 80:82-5, Jan 73**
[Calcipen, Exluton and Sansbolicum] Meer J van der. **Ned Tijdschr Geneeskd 117:690-1, 28 Apr 73 (Dut)**
[Ovanon (Nourypharma)--a normophasic ovulation inhibitor--field test] Bayer R. **Wien Klin Wochenschr 85:241-4, 13 Apr 73 (Eng. Abstr.) (Ger)**

THERAPEUTIC USE

[Studies using synthetic progestogens in drug therapy

of so-called prostatic hypertrophy] Scultéty S, et al. Z Urol Nephrol 66:49-59, Jan 73 (Ger)

MEDROXYPROGESTERONE

[Depot medroxyprogesterone acetate as a contraceptive] Duarte-Contreras A. Ginecol Obstet Mex 33:149-56, Feb 73 (Eng. Abstr.) (Spa)

ADMINISTRATION & DOSAGE

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS. Am J Vet Res 34:659-63, May 73

Contraceptive use--efficacy study utilizing medroxyprogesterone acetate administered as an intramuscular injection once every 90 days. Schwallie PC, et al. Fertil Steril 24:331-9, May 73

Incidence of breast nodules in women receiving multiple doses of medroxyprogesterone acetate. McDaniel EB, et al. J Biosoc Sci 5:83-8, Jan 73

Endolymphatic stromal myosis with pulmonary metastases. Remission with progestin therapy: report of a case. Krumholz BA, et al. J Reprod Med 10:85-9, Feb 73

[Use of Depo Provera as a contraceptive in the puerperium] Narducci U, et al. Minerva Ginecol 25:107-11, Feb 73 (Eng. Abstr.) (Ita)

[Depot medroxyprogesterone acetate as a contraceptive] Duarte-Contreras A. Ginecol Obstet Mex 33:149-56, Feb 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Mucha-Habermann disease following estrogen-progesterone therapy. Hollander A, et al. Arch Dermatol 107:465, Mar 73

Contraceptive use--efficacy study utilizing medroxyprogesterone acetate administered as an intramuscular injection once every 90 days. Schwallie PC, et al. Fertil Steril 24:331-9, May 73

Incidence of breast nodules in women receiving multiple doses of medroxyprogesterone acetate. McDaniel EB, et al. J Biosoc Sci 5:83-8, Jan 73

[Depot medroxyprogesterone acetate as a contraceptive] Duarte-Contreras A. Ginecol Obstet Mex 33:149-56, Feb 73 (Eng. Abstr.) (Spa)

ANALYSIS

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS. Am J Vet Res 34:659-63, May 73

METABOLISM

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS. Am J Vet Res 34:659-63, May 73

Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. J Reprod Med 10:193-6, Apr 73

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73

One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al. Am J Obstet Gynecol 116:91-100, 1 May 73

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS. Am J Vet Res 34:659-63, May 73

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al. J Anim Sci 36:540-5, Mar 73

A murine renal cell carcinoma. Murphy GP, et al. J Natl Cancer Inst 50:1013-25, Apr 73

Short- and long-term effects of a single injection of depo-medroxyprogesterone acetate (provera) on the vaginal smear, ovulation and mating in the rat. Dickmann Z. J Reprod Fertil 32:447-51, Mar 73

Postcoital contraceptive effects of medroxyprogesterone acetate and oestrone in rats. Dickmann Z. J Reprod Fertil 32:65-9, Jan 73

Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects. Vecchio TJ. J Reprod Med 10:193-6, Apr 73

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al. Acta Neuropathol (Berl) 23:95-104, 30 Jan 73

Endolymphatic stromal myosis with pulmonary metastases. Remission with progestin therapy: report of a case. Krumholz BA, et al. J Reprod Med 10:85-9, Feb 73

The effect of hormonal therapy on a transplantable renal cortical adenocarcinoma in syngeneic mice. Soloway MS, et al. J Urol 109:356-61, Mar 73

Megestrol acetate (Megace) and other progestins in advanced endometrial carcinoma. Med Lett Drugs Ther 15:27-8, 16 Mar 73

URINE

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS. Am J Vet Res 34:659-63, May 73

MEGESTROL

ADMINISTRATION & DOSAGE

The use of the mini pill in private practice. Nelson JH. J Reprod Med 10:139-43, Mar 73 (33 ref.)

Megestrol acetate (Megace) and other progestins in advanced endometrial carcinoma. Med Lett Drugs Ther 15:27-8, 16 Mar 73

ADVERSE EFFECTS

The use of the mini pill in private practice. Nelson JH. J Reprod Med 10:139-43, Mar 73 (33 ref.)

[Practical experience with a new contraceptive of the modified sequential type] Welti H. Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)

PHARMACODYNAMICS

The use of the mini pill in private practice. Nelson JH. J Reprod Med 10:139-43, Mar 73 (33 ref.)

[Practical experience with a new contraceptive of the modified sequential type] Welti H. Rev Med Suisse Romande 92:785-95, Oct 72 (Fre)

THERAPEUTIC USE

Megestrol acetate (Megace) and other progestins in advanced endometrial carcinoma. Med Lett Drugs Ther 15:27-8, 16 Mar 73

MESTRANOL

Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73

ADMINISTRATION & DOSAGE

Effect of oral contraceptives on the thromboelastogram. Fisch IR, et al. Clin Pharmacol Ther 14:238-44, Mar-Apr 73

Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Thomas K, et al. Contraception 6:1-16, Jul 72

Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al. Tex Rep Biol Med 30:361-9, Winter 72

[Ovanon (Nourypharma)--a normophasic ovulation inhibitor--field test] Bayer R. Wien Klin Wochenschr 85:241-4, 13 Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Coronary thrombosis in young women on oral contraceptives: report of two cases and review of the literature. Maleki M, et al. Am Heart J 85:749-54, Jun 73

Mesenteric venous thrombosis in two women taking

oral contraceptives. Ellis DL, et al.
Am J Surg 125:641-4, May 73
Actions of steroid contraceptives on gametic material. Boué A, et al.
Geburtshilfe Frauenheilkd 33:77-85, Feb 73
Changing patterns in cervical cytology among oral and non-oral contraceptive users. Fuertes-de la Haba A, et al. J Reprod Med 10:3-10, Jan 73
Pathologic changes in the human urinary tract due to anovulatory drug administration. Corriere JN Jr. J Surg Oncol 5:167-74, 1973

ANALYSIS

Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73

METABOLISM

[Binding of 17-alpha-ethinyl estradiol and mestranol to uterine and pituitary gland receptors of the rat in vitro] Schubert K, et al.
Endokrinologie 61:9-12, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al.
Am J Obstet Gynecol 116:91-100, 1 May 73
Effect of oral contraceptives on the thromboelastogram. Fisch IR, et al.
Clin Pharmacol Ther 14:238-44, Mar-Apr 73
Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Thomas K, et al. Contraception 6:1-16, Jul 72
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Antithrombin 3 and oestrogen content of oral contraceptives. Zuck TF, et al. Lancet 1:831, 14 Apr 73
Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72
[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al.
Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)
[Ovanon (Nourypharma)--a normophasic ovulation inhibitor--field test] Bayer R.
Wien Klin Wochenschr 85:241-4, 13 Apr 73 (Eng. Abstr.) (Ger)
[Serum proteinase inhibitor capacity during administration of the oral contraceptive Ovosiston] Duck HJ, et al.
Zentralbl Gynaekol 95:343-8, 9 Mar 73 (Ger)

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72
[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)
[Progestagens in the prevention of inoculation endometriosis in the uterine cervix following electrosurgery] Higier J, et al.
Ginekol Pol 44:277-81, Mar 73 (Eng. Abstr.) (Pol)

METHANDROSTENOLONE

ADMINISTRATION & DOSAGE

[Combined therapeutic use of nerobol and potassium salts in ischemic heart disease] Leschinskif LA, et al.
Ter Arkh 44:40-4, Sep 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Further studies on the radioprotective mode of action of anabolic steroids] Panek R, et al.
Strahlentherapie 145:443-52, Apr 73 (Eng. Abstr.) (Ger)
[Shifts in coagulating and fibrinolytic activity of the blood following the administration of nerobol in patients with coronary atherosclerosis] Kratovskaia OV, et al.
Ter Arkh 44:29-31, Sep 72 (Eng. Abstr.) (Rus)
[The effect of nerobol on the aspartate aminotransferase activity of rat skeletal muscle under experimental training conditions] Bazul'ko AS, et al.
Ukr Biokhim Zh 45:33-5, 1973 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Shifts in coagulating and fibrinolytic activity of the blood following the administration of nerobol in patients with coronary atherosclerosis] Kratovskaia OV, et al.
Ter Arkh 44:29-31, Sep 72 (Eng. Abstr.) (Rus)
[Combined therapeutic use of nerobol and potassium salts in ischemic heart disease] Leschinskif LA, et al.
Ter Arkh 44:40-4, Sep 72 (Eng. Abstr.) (Rus)

METHENOLONE

THERAPEUTIC USE

[Long term treatment of multiple myeloma] Greul W, et al. Dtsch Med Wochenschr 98:496-9, 9 Mar 73 (Ger)

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

Sublingual and oral administration of methyltestosterone. A comparison of drug bioavailability. Alkalay D, et al.
J Clin Pharmacol 13:142-51, Apr 73

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 809:934, 28 Apr 73
[Toxic and nutritional liver damage] Domschke W.
Fortschr Med 90:999-1002, 12 Oct 72 (Ger)
[Liver damage in connection with ajmaline treatment] Einarsson K, et al.
Lakartidningen 70:1288-90, 28 Mar 73 (Eng. Abstr.) (Swe)

BLOOD

Sublingual and oral administration of methyltestosterone. A comparison of drug bioavailability. Alkalay D, et al.
J Clin Pharmacol 13:142-51, Apr 73

PHARMACODYNAMICS

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Sublingual and oral administration of methyltestosterone. A comparison of drug bioavailability. Alkalay D, et al.
J Clin Pharmacol 13:142-51, Apr 73

THERAPEUTIC USE

Fanconi-like syndrome. Immunologic deficiency, pancytopenia, and cutaneous malignancies. Abels D, et al. Arch Dermatol 107:419-23, Mar 73
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
[Androgens in treatment of metastatic breast cancer] Horn Y, et al.
Harefuah 83:584-5, 15 Dec 72 (Eng. Abstr.) (Heb)

TOXICITY

[Methyltestosterone's action on the fetus when placed on the skin of pregnant rats] Shashkina LF, et al.
Akush Ginekol (Mosk) 49:49-52, Feb 73 (Rus)

NANDROLONE

METABOLISM

19-Nortestosterone. I. Its metabolism in the rabbit. Both-Miedema R, et al.
Steroids Lipids Res 3:49-58, 1972

[Modification of protein metabolism by anabolic steroids in various protein diets in patients with chronic liver diseases] Blabníková L, et al.
Cesk Gastroenterol Vyz 27:121-7, Apr 73 (Eng. Abstr.) (Cze)

PHARMACODYNAMICS

Influence of Nerobolil on regeneration and histochemical reactions in striated muscles. Kuć A, et al. Folia Morphol (Warsz) 32:89-101, 1973

Distribution coefficients and anabolic activities of some nandrolone esters. Chaudry MA, et al.
J Pharm Pharmacol 24:Suppl:174P, Dec 72

[Calcipen, Exluton and Sanabolicum] Meer J van der.
Ned Tijdschr Geneeskd 117:690-1, 28 Apr 73 (Dut)

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats. Elliott GA, et al.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73

NORETHANDROLONE

ADVERSE EFFECTS

Androgenic-anabolic steroid therapy and hepatocellular carcinoma. Henderson JT, et al.
Lancet 809:934, 28 Apr 73

NORETHINDRONE

[The minipill] Stray-Pedersen B.
Tidsskr Nor Laegeforen 93:316-8, 20 Feb 73 (Nor)

ADMINISTRATION & DOSAGE

A report of a collaborative dose-response clinical study using decreasing doses of combination oral contraceptives. Preston SN.
Contraception 6:17-35, Jul 72

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73

[Contraception using daily micro-dosage of norethisterone] Feldmann HU, et al.
Fortschr Med 91:Suppl:495-9, 19 Apr 73 (Ger)

ADVERSE EFFECTS

Coronary thrombosis in young women on oral contraceptives: report of two cases and review of the literature. Maleki M, et al.
Am Heart J 85:749-54, Jun 73

Mesenteric venous thrombosis in two women taking oral contraceptives. Ellis DL, et al.
Am J Surg 125:641-4, May 73

Mucha-Habermann disease following estrogen-progesterone therapy. Hollander A, et al.
Arch Dermatol 107:465, Mar 73

A report of a collaborative dose-response clinical study using decreasing doses of combination oral contraceptives. Preston SN.
Contraception 6:17-35, Jul 72

Actions of steroid contraceptives on gametic material. Boué A, et al.
Geburtshilfe Frauenheilkd 33:77-85, Feb 73

Pathologic changes in the human urinary tract due to anovulatory drug administration. Corriere JN Jr.
J Surg Oncol 5:167-74, 1973

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

[Contraception using daily micro-dosage of norethisterone] Feldmann HU, et al.
Fortschr Med 91:Suppl:495-9, 19 Apr 73 (Ger)

[The minipill] Stray-Pedersen B.
Tidsskr Nor Laegeforen 93:316-8, 20 Feb 73 (Nor)

DIAGNOSTIC USE

Hormonal pregnancy tests and spina bifida. Sever LE.
Nature 242:410-1, 6 Apr 73

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73

One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al.
Am J Obstet Gynecol 116:91-100, 1 May 73

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73

The effect of oral norethisterone on serum lipid levels in premenopausal women. Gowland E, et al.
J Obstet Gynaecol Br Commonw 80:357-9, Apr 73

Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73

Estrogenic activity of norethindrone in the immature female beagle. Nelson LW, et al.
Res Commun Chem Pathol Pharmacol 5:879-82, May 73

[Contraception using daily micro-dosage of norethisterone] Feldmann HU, et al.
Fortschr Med 91:Suppl:495-9, 19 Apr 73 (Ger)

THERAPEUTIC USE

[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)

[Therapeutic trial in myxedematous lichen using Primolut-Nor] Grussendorf EI, et al.
Hautarzt 24:37-9, Jan 73 (Ger)

NORETHYNODREL

The metabolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Beitins IZ, et al.
Pediatr Res 7:509-19, May 73

ADMINISTRATION & DOSAGE

Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72

ADVERSE EFFECTS

Coronary thrombosis in young women on oral contraceptives: report of two cases and review of the literature. Maleki M, et al.
Am Heart J 85:749-54, Jun 73

Mesenteric venous thrombosis in two women taking oral contraceptives. Ellis DL, et al.
Am J Surg 125:641-4, May 73

Changing patterns in cervical cytology among oral and non-oral contraceptive users. Fuertes-de la Haba A, et al. J Reprod Med 10:3-10, Jan 73

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73

One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al.
Am J Obstet Gynecol 116:91-100, 1 May 73

The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73

Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72

NORGESTREL

LH and FSH releasing potency of the synthetic decapeptide
p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in

human beings. Thomas K, et al.
Contraception 6:55-64, Jul 72
A study of the formulation of steroidal suspensions. Short MP, et al.
J Pharm Pharmacol 24:Suppl:179P, Dec 72

ADMINISTRATION & DOSAGE

Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al.
Br Med J 2:389-92, 19 May 73
A regimen for fertility control with a cyclic progestogen. Roland M, et al.
Obstet Gynecol 41:595-601, Apr 73

ADVERSE EFFECTS

Reversible mesenteric vascular occlusion associated with oral contraceptives. Nothmann BJ, et al.
Am J Dig Dis 18:361-8, May 73
Clinical assessment of a low-oestrogen combined oral contraceptive. Bye PG, et al.
Br Med J 2:389-92, 19 May 73
Evaluation of d-norgestrel 1.0 mg in cyclic regimen. McQuarrie HG, et al. J Reprod Med 10:200-2, Apr 73
A regimen for fertility control with a cyclic progestogen. Roland M, et al.
Obstet Gynecol 41:595-601, Apr 73
[Retinal artery complications caused by oral contraceptives] Jamotton L, et al.
Bull Soc Belge Ophtalmol 161:669-82, 1972 (Fre)
[3 cases of cataract occurring in women taking the same oral contraceptive. Is this a coincidence?] Goddé-Jolly D, et al. Bull Soc Ophtalmol Fr 12:441-2, Apr 72 (Fre)
[Peracute primary malignant nephrosclerosis with irreversible kidney failure and malignant hypertension following ovulation inhibitors] Bock KD, et al.
Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women. McLeroy VJ, et al. Am J Clin Nutr 26:191-6, Feb 73
One-hour glucose tolerance in relation to the use of contraceptive drugs. Phillips N, et al.
Am J Obstet Gynecol 116:91-100, 1 May 73
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. Knopp RH, et al. J Reprod Med 10:95-101, Mar 73
A regimen for fertility control with a cyclic progestogen. Roland M, et al.
Obstet Gynecol 41:595-601, Apr 73

THERAPEUTIC USE

Evaluation of d-norgestrel 1.0 mg in cyclic regimen. McQuarrie HG, et al. J Reprod Med 10:200-2, Apr 73

OXANDROLONE

PHARMACODYNAMICS

Oxandrolone for growth promotion in Turner syndrome. Rosenbloom AL, et al.
Am J Dis Child 125:385-7, Mar 73
Effect of hypophysectomy and catstoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973
Protection by catstoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Selye H, et al.
Steroids Lipids Res 3:156-9, 1972

THERAPEUTIC USE

Oxandrolone for growth promotion in Turner syndrome. Rosenbloom AL, et al.
Am J Dis Child 125:385-7, Mar 73

OXYMETHOLONE

THERAPEUTIC USE

Circadian rhythm of therapeutic effectiveness of oxymetholone in paraplegic patients. Moore MC, et al.
Clin Pharmacol Ther 14:448-54, May-Jun 73

PREGNANEDIOL

METABOLISM

The epimeric 20-hydroperoxy-5-pregnen-3-ols: thermal and enzymatic decomposition. Lier JE van, et al.
Steroids 21:521-36, Apr 73

URINE

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents. Slob A, et al.
Clin Chim Acta 44:307-18, 30 Mar 73
Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al.
Endocrinology 92:1397-404, May 73
The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J.
Gynecol Prat 23:117-23, 1972
Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73
[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al.
Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Determination of the somatomammotrophic chorionic hormone (or placental lactogen hormone) in the plasma of pregnant women. Its value in cases of fetoplacental hypotrophy] Hubert C, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Eng. Abstr.) (Fre)
[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al.
Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)
[Clinical aspects of chronic placental insufficiency] Kyank H, et al.
Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)
[Correlation between hormone analyses and endometrial studies in ovarian insufficiency] Link M.
Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)
[Immunochemical LH determination and pregnanediol excretion during the normal cycle] Tenhaeff D, et al.
Zentralbl Gynaekol 95:241-6, 23 Feb 73 (Ger)
[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)
[Urinary excretion of sex hormones during labor] Dobrotina AF, et al.
Vopr Okhr Materin Det 17:42-5, Nov 72 (Eng. Abstr.) (Rus)
[Urinary excretion of various steroid hormones during the physiological course of pregnancy and in threatened spontaneous premature interruption] Timoshenko LV, et al.
Pediatr Akush Ginekol 5:38-40, Oct 72 (Ukr)

PREGNANES

Inversions of both adjacent centers in the formolysis of a 2,2,6-trialkylcyclohexyl tosylate. Formation of a 13 -D-homo steroid. Hirschmann FB, et al.
J Org Chem 38:1270-5, 6 Apr 73
Nor steroids. X. Synthesis of A-nor steroids via the Dieckmann condensation. Nace HR, et al.
J Org Chem 38:1941-4, 18 May 73
[Photolysis of 20-hydroxysteroids. I. Synthesis of 18 lesds to 20-lactones] Habermehl G, et al.
Naturwissenschaften 59:648-9, Dec 72 (Ger)

ADMINISTRATION & DOSAGE

A comparison of althesin and thiopentone in induction of anaesthesia. Tammisto T, et al. Br J Anaesth 45:100-7, Jan 73
[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)
[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al. Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Adverse reaction to Althesin. Horton JN. Anaesthesia 28:182-3, Mar 73
A comparison of althesin and thiopentone in induction of anaesthesia. Tammisto T, et al. Br J Anaesth 45:100-7, Jan 73
Reactions to Althesin. Br J Anaesth 45:301-3, Mar 73

ANALYSIS

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. Endocrinology 92:840-6, Mar 73
Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72
Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73
Steroids and related products. 38. 11-Aza steroids. 3. The synthesis of 11-aza 9 -steroids. I. Chowdhury MN, et al. Steroids 21:361-81, Mar 73

BIOSYNTHESIS

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73
The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al. Gen Comp Endocrinol 20:331-41, Apr 73
The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al. J Endocrinol 55:205-6, Oct 72
The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. J Endocrinol 56:537-49, Mar 73

BLOOD

Progravid phase of the rat reproductive cycle: day to day changes in peripheral plasma progestin concentrations. Bartosik D, et al. Endocrinology 92:949-52, Mar 73
Determination of estriol, estriol sulfate, progesterone and neutral steroid mono- and disulfates in umbilical cord blood plasma. Laatikainen T, et al. Steroids 21:347-59, Mar 73

CHEMICAL SYNTHESIS

Steroids and related products. 38. 11-Aza steroids. 3. The synthesis of 11-aza 9 -steroids. I. Chowdhury MN, et al. Steroids 21:361-81, Mar 73

METABOLISM

Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis. Solomon D, et al. Ann NY Acad Sci 203:103-10, 18 Dec 72
Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
The specificity of the estrogen receptor of human uterus. Hähnel R, et al. J Steroid Biochem 4:21-31, Jan 73
The epimeric 20-hydroperoxy-5-pregnen-3 -ols: thermal and enzymatic decomposition. Lier JE van, et al. Steroids 21:521-36, Apr 73

PHARMACODYNAMICS

Anaesthesia for cardioversion: a comparison of althesin and thiopentone. Heinonen J, et al. Br J Anaesth 45:49-54, Jan 73
The time course of cerebral circulatory and metabolic changes with Althesin. Keaney NP, et al. Br J Anaesth 45:117-8, Jan 73
Effects of althesin on cerebrospinal fluid pressure. Takahashi T, et al. Br J Anaesth 45:179-84, Feb 73
A comparison of althesin and thiopentone in induction of anaesthesia. Tammisto T, et al. Br J Anaesth 45:100-7, Jan 73
The effect of althesin on intracranial pressure in man. Turner JM, et al. Br J Anaesth 45:168-72, Feb 73
Some clinical pharmacological effects of althesin (CT 1341). Jones J, et al. Br J Pharmacol 46:553P-554P, Nov 72
[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al. Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)

SECRETION

A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al. J Endocrinol 55:205-6, Oct 72
Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72

THERAPEUTIC USE

[Alternating corticosteroid therapy in chronic polyarthritis] Wittenborg A, et al. Dtsch Med Wochenschr 98:919-23, 4 May 73 (Eng. Abstr.) (Ger)

URINE

Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Bhavani BR, et al. Endocrinology 92:657-66, Mar 73
Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Bhavnani BR, et al. Endocrinology 92:1397-404, May 73
Effect of adrenocorticotrophin on 21- and 11 -hydroxylase activity in the biosynthesis of cortisol. Molino G, et al. J Endocrinol 56:333-4, Feb 73

PREGNENES

BIOSYNTHESIS

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al. J Biol Chem 248:2691-8, 25 Apr 73
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972

BLOOD

Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Rapp JP. Lab Invest 28:343-51, Mar 73
Determination of estriol, estriol sulfate, progesterone and neutral steroid mono- and disulfates in umbilical cord blood plasma. Laatikainen T, et al. Steroids 21:347-59, Mar 73

CHEMICAL SYNTHESIS

D-norsteroids. II. Microbial hydroxylation of a D-norsteroid ketal. Belić I, et al. Steroids Lipids Res 3:201-6, 1972

METABOLISM

The formation of 16,17-dihydroxylated C 19 steroids from 16-dehydro C 19 steroids in liver microsomes from male and female rats. Gustafsson JA. Biochim Biophys Acta 296:179-88, 19 Jan 73

D-norsteroids. II. Microhial hydroxylation of a D-norsteroid ketal. Belič I, et al. Steroids Lipids Res 3:201-6, 1972

SECRETION

Effects of ACTH and salt on blood pressure and steroid secretion in rats. De Nicola AF, et al. Acta Physiol Lat Am 22:231-40, 1972

PREGNENOLONE

Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al. Biochem Soc Symp 34:187-206, 1972

Towards an ecdysone synthesis. 20 -acetoxy-5 -pregna-2,7-dien-6-one. Smith WB, et al. Steroids 21:609-15, Apr 73

ANALYSIS

Identification and measurement of sulphate-conjugated neutral steroids in the intestinal contents of early and mid-term foetuses. Huhtaniemi I, et al. J Endocrinol 57:143-58, Apr 73

BIOSYNTHESIS

Cholesterol hydroxylation in the adrenal cortex and liver. Boyd GS, et al. Biochem Soc Symp 34:207-26, 1972

Endogenous production of steroids by subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules. Vusse GJ van der, et al. Biochim Biophys Acta 297:179-85, 24 Jan 73

Characterization of an adrenal activator for cholesterol side chain cleavage. Kan KW, et al. J Biol Chem 248:2868-75, 25 Apr 73

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al. J Biol Chem 248:2691-8, 25 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al. J Biol Chem 248:9-14, 10 Jan 73

Formation of progesterone and pregnenolone from (4-14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro. Baird DT, et al. J Endocrinol 56:187-202, Feb 73

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. J Steroid Biochem 4:85-7, Jan 73

Inverse correlation between aryl hydrocarbon hydroxylase activity and conversion of cholesterol to pregnenolone in human placentas at term. Juchau MR, et al. Life Sci [II] 11:949-56, 8 Oct 72

BLOOD

[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al. Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)

METABOLISM

Compartmental arrangement of steroids formed from (1- 14 C)acetate hy rat adrenal zona glomerulosa and the effect of corticotrophin. Vinson GP, et al. Acta Endocrinol (Kbh) 72:737-45, Apr 73

The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids. Vinson GP, et al. Acta Endocrinol (Kbh) 72:746-52, Apr 73

Dietary plant sterols: current status in human and animal sterol metabolism. Subbiah MT. Am J Clin Nutr 26:219-25, Feb 73 (60 ref.)

Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Saat YA, et al. Biochem J 129:657-63, Sep 72

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. Eur J Biochem 32:506-12, 1 Feb 73

Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals. Chan SW, et al. Gen Comp Endocrinol 20:274-82, Apr 73

The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. J Endocrinol 56:537-49, Mar 73

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73

In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73

Steroid metabolism hy the chin gland of the male cuis, Galea musteloides. Holt WV, et al. J Reprod Fertil 33:53-9, Apr 73

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. J Steroid Biochem 4:85-7, Jan 73

Metabolism of pregnenolone in adrenal homogenates at low temperatures. Holzbauer M, et al. J Steroid Biochem 4:33-40, Jan 73

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

PHARMACODYNAMICS

Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Lazar G, et al. Endokrinologie 61:97-100, 1973

Characterization of an adrenal activator for cholesterol side chain cleavage. Kan KW, et al. J Biol Chem 248:2868-75, 25 Apr 73

Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria. Wilson LD, et al. J Biol Chem 248:9-14, 10 Jan 73

Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72

In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73

Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al. J Pharm Sci 62:690-2, Apr 73

Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes. Sugimoto M, et al. Jap J Med Sci Biol 25:345-53, Oct 72

Effects of PCN and phenobarbital on 3 H-digitoxigenin and 3 H-digoxigenin metabolism by rat liver microsomes. Talcott RE, et al. Res Commun Chem Pathol Pharmacol 5:663-72, May 73

Protection by catatoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Selye H, et al. Steroids Lipids Res 3:156-9, 1972

SECRETION

Formation of progesterone and pregnenolone from (4-14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro. Baird DT, et al. J Endocrinol 56:187-202, Feb 73

PROGESTATIONAL HORMONES

ADMINISTRATION & DOSAGE

Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al. J Reprod Med 10:186-92, Apr 73

Steroid release from polymer vaginal devices. Effect on fertility inhibition. Zañartu J, et al. Steroids 21:325-33, Mar 73

[Oral estro-progestational agents and the uterine cervix] Brux J de. Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)

[Use of the intrauterine contraceptive pessary in the treatment of adhesions of traumatic origin]

Parvulescu I, et al.
Rev Fr Gynecol Obstet 67:653-4, Nov 72 (Fre)
[The minipill] Mall-Haefeli M.
Praxis 62:523-5, 24 Apr 73 (Ger)
[Relationship between chemical structure and gestagenic activity in a new series of pentacyclic analogs of progesterone--pentaranes] Akhrem AA, et al. Dokl Akad Nauk SSSR 209:504-7, 11 Mar 73 (Rus)

ADVERSE EFFECTS

Mucha-Habermann disease following estrogen-progesterone therapy. Hollander A, et al. Arch Dermatol 107:465, Mar 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73
Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception. Adams PW, et al. Lancet 809:899-904, 28 Apr 73
Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Bulbrook RD, et al. Lancet 1:628-31, 24 Mar 73
Hormone treatment during pregnancy and congenital heart defects. Levy EP, et al. Lancet 1:611, 17 Mar 73
Birth defects and oral contraceptives. Nora JJ, et al. Lancet 809:941-2, 28 Apr 73
Steroid release from polymer vaginal devices. Effect on fertility inhibition. Zañartu J, et al.
Steroids 21:325-33, Mar 73
[Oral estro-progestational agents and the uterine cervix] Brux J de.
Pathol Eur 7:283-7, 1972 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

The use of the mini pill in private practice. Nelson JH.
J Reprod Med 10:139-43, Mar 73 (33 ref.)
[Hormonal and antihormonal activity of steriod catabolism products of the hexahydroindan group] Schnabel R, et al.
Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72

BLOOD

Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallaby, Macropus eugenii. Lemon M. J Endocrinol 55:63-71, Oct 72

PHARMACODYNAMICS

Ether derivatives of a progestin and estrogen in monthly dosage. Danowski TS, et al.
Clin Pharmacol Ther 14:455-61, May-Jun 73
Interactions of nutrients with oral contraceptives and other drugs. Butterworth CE Jr.
J Am Diet Assoc 62:510-4, May 73
Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. Randel RD, et al.
J Anim Sci 36:741-8, Apr 73
Influence of the progestogenic component of oral contraceptives on tryptophan metabolism. Rose DP, et al. J Obstet Gynaecol Br Commonw 80:82-5, Jan 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73
Estrogenic profile of 8-azaethynylestradiol. Rassaert CL, et al. Steroids Lipids Res 3:185-92, 1972
[Preoperative suppression of menstruation?] Kepp R.
Dtsch Med Wochenschr 98:745, 6 Apr 73 (Ger)
[The minipill] Mall-Haefeli M.
Praxis 62:523-5, 24 Apr 73 (Ger)
[Relationship between chemical structure and gestagenic activity in a new series of pentacyclic analogs of progesterone--pentaranes] Akhrem AA, et al. Dokl Akad Nauk SSSR 209:504-7, 11 Mar 73 (Rus)

SECRETION

Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72

THERAPEUTIC USE

Endolymphatic stromal myosis with pulmonary metastases. Remission with progestin therapy: report of a case. Krumholz BA, et al.
J Reprod Med 10:85-9, Feb 73
Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum. Moggia A, et al.
J Reprod Med 10:186-92, Apr 73
Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973
[LH excretion during the ovulatory cycle and during therapy with various estrogen-gestagen combinations] Göretzlehner G, et al.
Endokrinologie 60:302-8, 1972 (Eng. Abstr.) (Ger)
[Progestagens in the prevention of inoculation endometriosis in the uterine cervix following electrosurgery] Higier J, et al.
Ginekol Pol 44:277-81, Mar 73 (Eng. Abstr.) (Pol)

URINE

[Contraception using daily micro-dosage of norethisterone] Feldmann HU, et al.
Fortschr Med 91:Suppl:495-9, 19 Apr 73 (Ger)

PROGESTERONE

Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Thliveris JA, et al. Anat Rec 175:607-23, Mar 73
Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction. Schleyer H, et al.
Biochem Soc Symp 34:187-206, 1972
Mechanism of enzymatic reduction of steroid double bonds. Björkhem I, et al.
Eur J Biochem 33:364-7, 1 Mar 73

ADMINISTRATION & DOSAGE

Inhibition of oestrogen-induced increase in hepatic and uterine glycogen by progesterone in the rat. Paul PK, et al. Acta Endocrinol (Kbh) 72:762-70, Apr 73
Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al.
Biol Reprod 8:299-305, Apr 73
Effect of progesterone and Nembutal in altering estrous running and vaginal periodicity in the female rat. Paup DC. Endocrinology 92:1530-5, May 73
Augmentation of endotoxin-induced fibrin deposits by pregnancy and estrogen-progesterone treatment. Beller FK, et al. Gynecol Invest 3:176-83, 1972
Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Sud SC. Indian J Exp Biol 10:265-7, Jul 72
Preoperative intramuscular progestogen in the treatment of endometrial carcinoma. Boyd IE, et al.
J Obstet Gynaecol Br Commonw 80:360-3, Apr 73
Co-carcinogenic effect of progesterone on 20-methylcholanthrene induced cervical carcinoma in mice. Reboud S, et al. Nature 241:398-9, 9 Feb 73
Maternal behavior in the mouse: effect of estrogen and progesterone. Gandelman R.
Physiol Behav 10:153-5, Jan 73
Long-term administration of progesterone to the female beagle dog. Capel-Edwards K, et al.
Toxicol Appl Pharmacol 24:474-88, Mar 73
[Extended indications for cervix cerclage uteri in pregnancy] Widmaier G, et al.
Zentralbl Gynaekol 95:16-21, 5 Jan 73 (Ger)
[Relationship between chemical structure and gestagenic activity in a new series of pentacyclic analogs of progesterone--pentaranes] Akhrem AA, et al. Dokl Akad Nauk SSSR 209:504-7, 11 Mar 73 (Rus)

ADVERSE EFFECTS

Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and bitches. Zimbelman RG, et al. Biol Reprod 8:388-91, Apr 73
Etiology of human breast cancer: a review. MacMahon B, et al. J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)

Co-carcinogenic effect of progesterone on 20-methylcholanthrene induced cervical carcinoma in mice. Rehoud S, et al. Nature 241:398-9, 9 Feb 73

ANALYSIS

Fine structure and progesterone concentration in the corpus luteum of the African elephant. Ogle TF, et al. Anat Rec 175:707-23, Apr 73

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. Endocrinology 92:840-6, Mar 73

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. J Dairy Sci 56:569-74, May 73

Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72

Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al. Steroids 21:593-608, Apr 73

[Use of primary fluorescence in hormonal cytology] Cervenka J, et al. Cesk Gynekol 38:156-8, Apr 73 (Cze)

[Progesterone determination using progesterone binding protein] Hirukawa E, et al. Clin Endocrinol (Tokyo) 21:211-7, Feb 73 (Jap)

[Function of fetal adrenal cortex] Matsumoto Y, et al. Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

ANTAGONISTS & INHIBITORS

The promise of pharmacologic modification of ovum transport in contraceptive development. Pauerstein CJ, et al. Am J Obstet Gynecol 116:161-6, 15 May 73

Apparent relation of metabolites of progesterone to progesterone activity: 16 -hydroxyprogesterone antagonism in the uterine stromal nuclei of the mouse. Chatterton RT Jr, et al. Endocrinology 92:1451-7, May 73

Effects of oestrogen and progesterone on brain monoamines: interactions with psychotropic drugs. Greengrass PM, et al. J Pharm Pharmacol 24:Suppl:149P, Dec 72

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al. J Reprod Med 10:133-8, Mar 73 (28 ref.)

Carbon monoxide inhibition of progesterone hydroxylation and side-chain cleavage catalyzed by rat testis microsomes. McMurtry RJ, et al. Steroids Lipids Res 3:8-13, 1972

BIOSYNTHESIS

Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Mills TM, et al. Endocrinology 92:788-91, Mar 73

The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al. Gen Comp Endocrinol 20:331-41, Apr 73

Formation of progesterone and pregnenolone from (4-14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro. Baird DT, et al. J Endocrinol 56:187-202, Feb 73

The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72

A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al. J Endocrinol 55:205-6, Oct 72

Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73

In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al. J Exp Zool 183:333-42, Mar 73

Inverse correlation between aryl hydrocarbon hydroxylase activity and conversion of cholesterol to pregnenolone in human placentas at term. Juchau MR, et al. Life Sci [II] 11:949-56, 8 Oct 72

Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al. Steroids 21:483-96, Apr 73

[Function of fetal adrenal cortex] Matsumoto Y, et al. Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

[Feto-placental relation in fetal endocrine function] Takagi S, et al. Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

BLOOD

Sperm migration through the uterine cervix in the macaque during the menstrual cycle. Jaszczak S, et al. Am J Obstet Gynecol 115:1070-82, 15 Apr 73

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters. Labhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al. Biol Reprod 8:378-87, Apr 73

Prograviid phase of the rat reproductive cycle: day to day changes in peripheral plasma progestin concentrations. Bartosik D, et al. Endocrinology 92:949-52, Mar 73

Serum luteinizing hormone, prolactin and progesterone levels during pregnancy in the rat. Morishige WK, et al. Endocrinology 92:1527-30, May 73

Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat. Takayama M, et al. Endocrinology 92:1405-13, May 73

Hormonal levels linked to migraine during the menstrual period. Dalessio DJ. Headache 13:29-31, Apr 73

Early pregnancy diagnosis based upon plasma progesterone levels in the cow and ewe. Shemesh M, et al. J Anim Sci 36:726-9, Apr 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al. J Anim Sci 36:716-21, Apr 73

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. J Clin Endocrinol Metab 36:867-79, May 73

Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by the human fetus in early gestation. Murphy BE. J Clin Endocrinol Metab 36:1037-8, May 73

Serum luteinizing hormone, prolactin, glucocorticoid, and progestin in dairy cows from calving to gestation. Edgerton LA, et al. J Dairy Sci 56:451-8, Apr 73

Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. Shirley JE, et al. J Dairy Sci 56:569-74, May 73

The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72

The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al. J Endocrinol 56:403-11, Mar 73

Luteinizing hormone and progesterone in peripheral blood during the ovulatory cycle of the hen Gallus domesticus. Furr BJ, et al. J Endocrinol 57:159-69, Apr 73

Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallaby, Macropus eugenii. Lemon M. J Endocrinol 55:63-71, Oct 72

The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. J Endocrinol 57:63-744, Apr 73

Levels of oestrogen and progesterone in the plasma of the cow during the last month of pregnancy. Symons AM. J Endocrinol 56:327-8, Feb 73

Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats. Takayama M, et al. J Endocrinol 56:421-9, Mar 73

Variability of hormone concentrations and ratios in commercial sera used for tissue culture. Esber HJ, et al. J Natl Cancer Inst 50:559-62, Feb 73

The value of a cervical score in the assessment of ovarian function. Flynn AM, et al. J Obstet Gynaecol Br Commonw 80:152-9, Feb 73

Changes in unconjugated oestrogens and progesterone concentration in plasma at the approach of labour. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:210-7, Mar 73
The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. J Obstet Gynaecol Br Commonw 80:138-41, Feb 73
Ultrastructure and endocrinological correlates of an early implantation site in the rhesus monkey. Reinius S, et al. J Reprod Fertil 32:171-3, Jan 73
Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. Lab Pract 22:348, May 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 808:888, 21 Apr 73
Early restoration of autotransplanted pituitary function as determined by plasma progesterone concentrations. Ahmad N, et al.
Neuroendocrinology 11:101-6, 1973
Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73
Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73
Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al.
Proc Soc Exp Biol Med 143:69-72, May 73
Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al.
Proc Soc Exp Biol Med 142:1226-9, Apr 73
Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Csapo AI, et al.
Prostaglandins 1:305-18, Apr 72
First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:295-303, Apr 72
First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha. Csapo AI, et al. Prostaglandins 1:365-71, May 72
On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:158-65, Feb 72
Dissociation of ovulatory and steroidogenic actions of luteinizing hormone in rabbits with indomethacin, an inhibitor of prostaglandin biosynthesis. Grinwich DL, et al. Prostaglandins 1:89-96, Feb 72
Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al.
Prostaglandins 1:443-51, Jun 72
[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al.
Prostaglandins 1:269-77, Apr 72
Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al.
Prostaglandins 1:259-67, Apr 72
The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit. O'Grady JP, et al.
Prostaglandins 1:97-106, Feb 72
Determination of estriol, estriol sulfate, progesterone and neutral steroid mono- and disulfates in umbilical cord blood plasma. Laatikainen T, et al.
Steroids 21:347-59, Mar 73
Competitive protein binding assay of progesterone without chromatography. Picbon MF, et al.
Steroids 21:335-46, Mar 73
Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. Steroids 21:565-82, Apr 73
[Steroid metabolism in primates. XIV. Influence of long-term ovosiston therapy on the secretion of adrenal vein blood steroids in Papio hamadryas] Gontscharow NP, et al.
Endokrinologie 60:379-81, 1972 (Eng. Abstr.) (Ger)
[Progesterone determination from the plasma of pregnant women using chromatography spectrophotometry] Weiss PA.
Endokrinologie 61:1-8, 1973 (Eng. Abstr.) (Ger)
[Progesterone determination using progesterone binding protein] Hirukawa E, et al.
Clin Endocrinol (Tokyo) 21:211-7, Feb 73 (Jap)

CHEMICAL SYNTHESIS

[Synthesis of potential gestagenic components of oral contraceptives] Veftsman AM, et al.
Farm Zh 27:19-24, 1972 (Ukr)

DIAGNOSTIC USE

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al.
Am J Obstet Gynecol 115:193-6, 15 Jan 73

ISOLATION & PURIFICATION

Conversion of cholesterol to progesterone by turtle corpus luteum. Klicka J, et al.
Steroids 21:483-96, Apr 73

METABOLISM

Dietary plant sterols: current status in human and animal sterol metabolism. Subbiah MT.
Am J Clin Nutr 26:219-25, Feb 73 (60 ref.)
Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome. Hamet P, et al.
Arch Intern Med 131:563-9, Apr 73
Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al.
Biochim Biophys Acta 297:142-54, 24 Jan 73
Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and bitches. Zimbelman RG, et al. Biol Reprod 8:388-91, Apr 73
Evidence for steroid metabolism during the in vitro induction of maturation in oocytes of Rana pipiens. Reynhout JK, et al. Dev Biol 30:392-402, Feb 73
Apparent relation of metabolites of progesterone to progesterone activity: 16 -hydroxyprogesterone antagonism in the uterine stromal nuclei of the mouse. Chatterton RT Jr, et al.
Endocrinology 92:1451-7, May 73
Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. Eur J Biochem 32:506-12, 1 Feb 73
Effect of copper intrauterine devices (IUD'S) on estrogen and progesterone uptake by the rat uterus. Aedo AR, et al. Fertil Steril 24:345-8, May 73
Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland. Chan SW, et al.
Gen Comp Endocrinol 20:291-6, Apr 73
The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Pedernera EA, et al.
Gen Comp Endocrinol 20:331-41, Apr 73
Differences between germ-free and conventional rats in liver microsomal metabolism of steroids. Einarsson K, et al. J Biol Chem 248:3623-30, 25 May 73
The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -hydroxypregn-4-en-3-one in the sheep. Bedford CA, et al. J Endocrinol 55:105-18, Oct 72
Steroid metabolism by the chin gland of the male cuis, Galea musteloides. Holt WV, et al.
J Reprod Fertil 33:53-9, Apr 73
Metabolism of pregnenolone in adrenal homogenates at low temperatures. Holzbauer M, et al.
J Steroid Biochem 4:33-40, Jan 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 808:888, 21 Apr 73
Ribonucleoprotein binding of steroid-"receptor" complexes. Liao S, et al.
Nature [New Biol] 241:211-3, 14 Feb 73
Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73
Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al.
Proc Soc Exp Biol Med 143:69-72, May 73
Correlations between mood, weight, and electrolytes during the menstrual cycle: a renin-angiotensin-aldosterone hypothesis of premenstrual tension. Janowsky DS, et al.
Psychosom Med 35:143-54, Mar-Apr 73
Carbon monoxide inhibition of progesterone hydroxylation and side-chain cleavage catalyzed by rat testis microsomes. McMurtry RJ, et al.
Steroids Lipids Res 3:8-13, 1972
The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro. Whitehouse BJ, et al. Steroids Lipids Res 3:110-7, 1972
[Dysfunctional endometria and their dynamic correlations. Dynamic correlations with the morphology of a dysfunctional endometrium]

Kobilková J, et al.
Sb Lek 75:135-50, 1973 (Eng. Abstr.) (Cze)
[Hormonal and antihormonal activity of steriod catabolism products of the hexahydroindan group]
Schnabel R, et al.
Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Inhibition of oestrogen-induced increase in hepatic and uterine glycogen hy progesterone in the rat. Paul PK, et al. Acta Endocrinol (Kbh) 72:762-70, Apr 73
Interaction of progesterone and estrogens on the hypothalamic center controlling estrous hehavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972
Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al.
Antonie van Leeuwenhoek 39:21-31, 1973
Prenatal exposure to female hormones. Effect on psychosexual development in hoys. Yalom ID, et al.
Arch Gen Psychiatry 28:554-61, Apr 73
Phosphomonoesterases and histamine in the uterus of the ewe during early pregnancy. Murdoch RN.
Aust J Biol Sci 25:1289-97, Dec 72
Effects of progesterone on the binding of estradiol-receptor to rahbit uterine chromatin.
Chatkoff ML, et al.
Biochem Biophys Res Commun 51:1015-22, 16 Apr 73
Effect of some estrogens and progesterone on calcium uptake and calcium release by myometrial mitochondria. Batra SC.
Biochem Pharmacol 22:803-9, 1 Apr 73
Effects of estrogen and progesterone on acute activation of uterine phosphorylase. Rinard GA.
Biochim Biophys Acta 286:416-25, 29 Dec 72
Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al.
Biol Reprod 8:299-305, Apr 73
Evidence for steroid metaholism during the in vitro induction of maturation in oocytes of Rana pipiens. Reynhout JK, et al. Dev Biol 30:392-402, Feh 73
Blockade hy progesterone of estrogen-induced LH and FSH release in the rhesus monkey. Dierschke DJ, et al.
Endocrinology 92:1496-501, May 73
Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenherg RL, et al.
Endocrinology 92:1565-7, May 73
Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rahhits by synthetic luteinizing hormone-releasing factor (LRF).
Humphrey RR, et al. Endocrinology 92:1515-26, May 73
Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. Endocrinology 92:847-52, Mar 73
Sex steroid influence on hepatic gluconeogenesis and glucogen formation. Matute ML, et al.
Endocrinology 92:762-8, Mar 73
Effect of progesterone and Nemhutal in altering estrous running and vaginal periodicity in the female rat. Paup DC. Endocrinology 92:1530-5, May 73
Regulation of luteal activity in neonatally castrated male rats hearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Inhibition of crop sac growth hy dexamethasone in ring doves (Streptopelia risoris). Silver R, et al.
Endocrinology 92:1568-71, May 73
Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al.
Fertil Steril 24:275-83, Apr 73
Observations on the induction of ovulation and fertilization in vitro in the squirrel monkey (Saimiri sciureus). Gould KG, et al.
Fertil Steril 24:260-8, Apr 73
The stimulatory influence of gonsdal steroids and methallibure (ICI 33,828) on peptidase activity in the female rat hypothalamus. Griffiths EC, et al.
Fertil Steril 24:269-74, Apr 73
The effects of various steroids on the vaginal histology in the rat. Jones RC, et al.
Fertil Steril 24:284-91, Apr 73
Augmentation of endotoxin-induced fibrin deposits hy pregnancy and estrogen-progesterone trestment.
Beller FK, et al. Gynecol Invest 3:176-83, 1972
In vitro hormonal requirement for iohulo-alveolar development in the mammary gland of high tumour alhino mouse ICRC. Ransdive KJ, et al.
Indian J Exp Biol 10:327-32, Sep 72
Control hy progesterone of the concentration of lipid droplets in epithelial cells of the sheep endometrium.
Brinsfield TH, et al. J Anim Sci 36:919-22, May 73
Hormonal regulation of porcine uterine protein secretion. Knight JW, et al.
J Anim Sci 36:546-53, Mar 73
Ultrastructural response of blastocysts and uterine epithelium to progesterone deprivation during delayed implantation in mice. Bergström S, et al.
J Endocrinol 55:217-8, Oct 72
Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73
Influence of age on the release of luteinizing hormone induced hy oestrogen and progesterone in immature rats. Caligaris L, et al. J Endocrinol 55:97-103, Oct 72
The effect of oestrogen and progesterone on uterine cell division and epithelial morphology in spayed-hypophysectomized rats. Clark BF.
J Endocrinol 56:341-2, Feb 73
Hormonal specificity in the suppression of sexual receptivity of the female golden hamster. Coniglio LP, et al. J Endocrinol 57:55-61, Apr 73
The time-course of the mitotic response to oestrogen in the epithelia and stroma of the mouse uterus. Das RM.
J Endocrinol 55:203-4, Oct 72
The effects of oestrogen on the cell cycle in epithelial and connective tissues of the mouse uterus. Das RM.
J Endocrinol 55:21-30, Oct 72
The effect of progesterone and oestradiol on immature mouse uteri maintained as organ cultures. Grant PS.
J Endocrinol 57:171-4, Apr 73
Changes in the protein phosphorus content of rat mammary tissue during lactogenesis. Kuhn NJ.
J Endocrinol 55:219-20, Oct 72
Further studies on cholinergic mechanisms and hormone-activated copulatory behaviour in the female rat. Lindström LH.
J Endocrinol 56:275-83, Feb 73
DNA synthesis in the endometrium of progesterone-trested mice. Martin L, et al.
J Endocrinol 56:303-7, Feh 73
Involvement of the uterine hlood vessels in the refractory state of the uterine stroma which follows oestrogen stimulation in progesterone-trested mice.
Martin L, et al. J Endocrinol 56:309-14, Feh 73
Initiation of parturition in the rahhit hy maternal and foetal administration of cortisol: effect of rate and duration of administration: suppression of delivery by progesterone. Nathanielsz PW, et al.
J Endocrinol 57:47-54, Apr 73
Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al.
J Exp Med 137:1031-41, 1 Apr 73
In vitro evidence of steroidogenesis in the amphihian (Rana piplens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al.
J Exp Zool 183:333-42, Mar 73
In vitro uptake and incorporation of amino acids hy hlastocysts from intact and ovariectomized mice.
Weitlauf HM. J Exp Zool 183:303-8, Mar 73
DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H mouse mammary gland. Banerjee MR, et al.
J Natl Cancer Inst 50:339-45, Feh 73
An established cultured cell line (HBr-39) from human hreast carcinoma. Plata EJ, et al.
J Natl Cancer Inst 50:849-62, Apr 73
Effects of oestrogen and progesterone on brain monoamines: interactions with psychotropic drugs.
Greengrass PM, et al.
J Pharm Pharmacol 24:Suppl:149P, Dec 72
Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. Kourounakis P, et al.
J Pharm Sci 62:690-2, Apr 73
Influence of stage of cycle, progestagen trestment and dose of oestrogen on uterine motility in the ewe.
Croker KP, et al. J Reprod Fertil 32:521-4, Mar 73
Reproductive efficiency in aged female rabbits given supplemental progesterone and oestradiol. Larson LL, et al. J Reprod Fertil 33:31-8, Apr 73
Effects of exogenous oestradiol and progesterone on serum levels of prostaglandin F and luteinizing hormone in chronically ovariectomized rats. Saksena SK, et al. J Reprod Fertil 32:495-9, Mar 73
Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. Terner C, et al.
J Reprod Fertil 32:453-64, Mar 73

Excess dietary methionine and pregnancy in the rat. Vlau AT, et al. J Reprod Fertil 33:109-11, Apr 73
The effects of erythritol, FSH and female gonadal hormones on the growth in vitro of Vibrio fetus var. venerealis. Walsh AF, et al. J Reprod Fertil 32:465-71, Mar 73
Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes. Sugimoto M, et al. Jap J Med Sci Biol 25:345-53, Oct 72
Vitamin C and colds. Briggs M, et al. Lancet 1:998, 5 May 73
Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR. Life Sci [I] 11:461-73, 15 May 72
Sexual behaviour and sexual motivation in the female rat. Drewett RF. Nature 242:476-7, 13 Apr 73
Co-carcinogenic effect of progesterone on 20-methylcholanthrene induced cervical carcinoma in mice. Reboud S, et al. Nature 241:398-9, 9 Feb 73
Stimulation of division of density inhibited fibroblasts by glucocorticoids. Thrash CR, et al. Nature 242:399-401, 6 Apr 73
The action of catecholamines on guinea-pig taenia coli. Bülbring E, et al. Philos Trans R Soc Lond [Biol Sci] 265:115-21, 15 Mar 73
Maternal behavior in the mouse: effect of estrogen and progesterone. Gandelman R. Physiol Behav 10:153-5, Jan 73
Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al. Physiol Behav 10:35-40, Jan 73
The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes. Caldwell BV, et al. Prostaglandins 1:217-28, Mar 72
Relationship between endotoxin-induced abortion and the synthesis of prostaglandin F. Skarnes RC, et al. Prostaglandins 1:191-203, Mar 72
Effects of progesterone on endometrial prostaglandins in sheep. Wilson L Jr, et al. Prostaglandins 1:183-90, Mar 72
Estrogenic activity of norethindrone in the immature female beagle. Nelson LW, et al. Res Commun Chem Pathol Pharmacol 5:879-82, May 73
Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V. Rev Czech Med 19:3-14, 1973
Effect of temperature and keeping time of female sturgeons in captivity on maturation of oocytes under the influence of hormones in vitro. Davydova SI. Sov J Dev Biol 3:339-44, Jul-Aug 72
Long-term administration of progesterone to the female beagle dog. Capel-Edwards K, et al. Toxicol Appl Pharmacol 24:474-88, Mar 73
[Action mechanism of steroid hormones] Karlson P, et al. Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)
[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Fels E, et al. Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)
[Effects of progesterone on DNA synthesis by human endometrial carcinoma cells in vitro] Bloch L, et al. Harefuah 83:543-6, 15 Dec 72 (Eng. Abstr.) (Heb)
[Regulation of gonadotropin secretion] Attramadal A. Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)
[Relationship between chemical structure and gestagenic activity in a new series of pentacyclic analogs of progesterone--pentaranes] Akhrem AA, et al. Dokl Akad Nauk SSSR 209:504-7, 11 Mar 73 (Rus)

PHYSIOLOGY

Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al. Acta Neurobiol Exp (Warsz) 32:763-6, 1972
Hormonal vaginal cytology in Canis familiaris. Deleon I, et al. Acta Physiol Lat Am 22:227-32, 1972
Copper determination and localization in different morphologic components of human endometrium during the menstrual cycle in copper intrauterine contraceptive device wearers. Salaverry G, et al. Am J Obstet Gynecol 115:163-8, 15 Jan 73
Effects of progesterone on the binding of estradiol-receptor to rabbit uterine chromatin. Chatkoff ML, et al. Biochem Biophys Res Commun 51:1015-22, 16 Apr 73
Blockade by progesterone of estrogen-induced LH and FSH release in the rhesus monkey. Dierschke DJ, et al. Endocrinology 92:1496-501, May 73
The effect of progesterone and oestradiol on immature mouse uteri maintained as organ cultures. Grant PS. J Endocrinol 57:171-4, Apr 73
Reproductive decline in aged female rats. Maibenco HC, et al. J Reprod Fertil 32:121-3, Jan 73
Sodium and diuretics in pregnancy. Lindheimer MD, et al. N Engl J Med 288:891-4, 26 Apr 73 (34 ref.)
Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al. Proc Soc Exp Biol Med 143:69-72, May 73
[Effect of progesterone activity of the ovary in early acceptance behavior of female rats during 4 day cycles] Roos J, et al. C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)
[The role of the pituitary gland in lactation] Velle W. Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Eng. Abstr.) (Nor)

SECRETION

The fine structure of the human corpus luteum of term pregnancy. Crisp TM, et al. Am J Obstet Gynecol 115:901-11, 1 Apr 73
Formation of progesterone and pregnenolone from (4-14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro. Baird DT, et al. J Endocrinol 56:187-202, Feb 73
The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. Collett RA, et al. J Endocrinol 56:403-11, Mar 73
A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al. J Endocrinol 55:205-6, Oct 72
Progestational steroids during pseudopregnancy in the rabbit. Horrell E, et al. J Endocrinol 55:89-96, Oct 72
The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-bearing pseudopregnant, and lactating rats. Rothchild I, et al. J Endocrinol 57:63-744, Apr 73
Morphological effect of antiserum to luteinizing hormone on early pregnancy in mice. Munshi SR, et al. J Reprod Fertil 33:127-8, Apr 73
Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 808:888, 21 Apr 73
Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al. Proc Soc Exp Biol Med 143:69-72, May 73
Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm. Mann DR, et al. Proc Soc Exp Biol Med 142:1226-9, Apr 73
Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Armstrong DT, et al. Prostaglandins 1:21-8, Jan 72
[Hormonal parameters in the anovulation cycle of the woman] Horský J, et al. Cesk Gynekol 38:155-6, Apr 73 (Cze)
[Endocrinology of pregnancy (review of the literature)] Manuilova IA, et al. Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)

THERAPEUTIC USE

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al. Am J Obstet Gynecol 115:193-6, 15 Jan 73
Prenatal exposure to female hormones. Effect on psychosexual development in boys. Yalom ID, et al. Arch Gen Psychiatry 28:554-61, Apr 73
Premenstrual symptoma. Br Med J 1:689-90, 24 Mar 73
Inhibition by progesterone of radiation-estrogen-induced mammary cancer in the rat. Segaloff A. Cancer Res 33:1136-7, May 73
DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H

mouse mammary gland. Banerjee MR, et al.
J Natl Cancer Inst 50:339-45, Feb 73
Preoperative intramuscular progestogen in the treatment of endometrial carcinoma. Boyd IE, et al.
J Obstet Gynaecol Br Commonw 80:360-3, Apr 73
Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973
[Treatment of cows with periodic estrus using a depot gestagen] Winkler H, et al.
Berl Munch Tieraerzti Wochenschr 86:61-4, 15 Feb 73 (Eng. Abstr.) (Ger)
[Therapy of acromegaly] Heesen D, et al.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 (Ger)
[Gonadotropic and steroid hormone excretion during 17-oxyprogesterone caproate therapy of primary endometrial cancer] Mezinova NN, et al.
Akush Ginekol (Mosk) 49:40-4, Jan 73 (Eng. Abstr.) (Rus)
[Hormonal therapy of adenocarcinoma of the kidney] Barsel' VA, et al.
Urol Nefrol (Mosk) 38:62-3, Jan-Feb 73 (Rus)
[Organization of dispensary care women with habitual abortions] Koreneva GP, et al.
Pediatr Akush Ginekol 6:39-43, 1972 (Ukr)

URINE

The role of gas-liquid chromatography in steroid hormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73

RELAXIN

SECRETION

The fine structure of the human corpus luteum of term pregnancy. Crisp TM, et al.
Am J Obstet Gynecol 115:901-11, 1 Apr 73

SEX HORMONES

Successful women in the sciences: an analysis of determinants. VI. Significant related problems of professional women. Discussion.
Ann NY Acad Sci 208:246-54, 15 Mar 73
How does the brain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)
[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G.
Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)
[Isolation of human sex-hormone-binding globulin (SHBG) using polyacrylamide gel electrophoresis] Rager K, et al.
Endokrinologie 60:317-21, 1972 (Eng. Abstr.) (Ger)
[Hormonal myelopathy (clinico-pathomorphologic study)] German DG, et al.
Zh Nevropatol Psikhiatr 12:1801-8, 1972 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. X. Influence of sex hormones on R. tetragona infection. Nadakal AM, et al. Z Parasitenkd 41:147-56, 24 Apr 73

ADVERSE EFFECTS

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

BIOSYNTHESIS

[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

BLOOD

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al.
J Anim Sci 36:716-21, Apr 73
Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al.
Proc Soc Exp Biol Med 142:804-10, Mar 73

PHARMACODYNAMICS

Antibiotic- and hormonally induced alterations in Staphylococcus aureus. Yotis WW, et al.
Antonie van Leeuwenhoek 39:21-31, 1973
Hormonal effects in vitro on prostatic ribonucleic acid polymerase. Davies P, et al.
Biochem J 129:1167-9, Oct 72
Sex-related resistance in hamsters to adenovirus oncogenesis. Yohn DS.
Prog Exp Tumor Res 18:138-65, 1973 (59 ref.)

PHYSIOLOGY

Sex hormones and executive ability. Ramey ER.
Ann NY Acad Sci 208:237-45, 15 Mar 73

SECRETION

Excess dietary methionine and pregnancy in the rat. Viau AT, et al. J Reprod Fertil 33:109-11, Apr 73

THERAPEUTIC USE

Cancer chemotherapy. Einhorn LH.
J Indiana State Med Assoc 66:235-43, Apr 73
[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
[Developments in the therapy of 2 typical diseases of aging males] Noszkay A.
Orv Hetil 114:971-6, 29 Apr 73 (Hun)

STANOLONE

Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al.
J Clin Endocrinol Metab 36:995-8, May 73

ANALYSIS

The occurrence of testosterone and 5 -dihydrotestosterone in the submaxillary salivary gland of the boar. Booth WD.
J Endocrinol 55:119-25, Oct 72

BIOSYNTHESIS

End organ metabolism of testosterone. I. Effects of hypophysectomy and growth hormone. Moshang T Jr, et al. J Steroid Biochem 4:11-5, Jan 73

BLOOD

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al.
Steroids 21:553-64, Apr 73

METABOLISM

Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73
The metabolism of testosterone by human male scalp skin. Bingham KD, et al. J Endocrinol 57:111-21, Apr 73
17- -Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study. Crovato F, et al. J Invest Dermatol 60:126-33, Mar 73
Testosterone "receptors" in purified nuclei of rat anterior hypophysis. Jouan P, et al.
J Steroid Biochem 4:65-74, Jan 73
Androgen "receptor" in rat liver: cytosol "receptor" deficiency in pseudohermaphrodite male rats. Milin B, et al. Nature [New Biol] 242:248-50, 25 Apr 73
Testosterone metabolism in rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972

PHARMACODYNAMICS

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. J Clin Endocrinol Metab 36:886-93, May 73
Inhibitory effect of 5 -reduced metabolites of

testosterone on gonadotrophin secretion. Zanisi M, et al. J Endocrinol 56:315-6, Feb 73

STANOZOLOL

ADVERSE EFFECTS

Androgenic-anaholic steroid therapy and hepatocellular carcinoma. Henderson JT, et al. Lancet 809:934, 28 Apr 73
Promotion of drugs in Latin America. Med Lett Drugs Ther 15:28, 16 Mar 73

PHARMACODYNAMICS

Clinical and laboratory double-blind investigation on effect of fibrinolytic therapy in patients with cutaneous vasculitis. Dodman B, et al. Br Med J 2:82-4, 14 Apr 73

THERAPEUTIC USE

Clinical and laboratory double-blind investigation on effect of fibrinolytic therapy in patients with cutaneous vasculitis. Dodman B, et al. Br Med J 2:82-4, 14 Apr 73
Promotion of drugs in Latin America. Med Lett Drugs Ther 15:28, 16 Mar 73

TESTOSTERONE

Detection, characterization and diagnostic significance of human pregnancy-associated glycoproteins. Bohn H. Blut 26:205-9, Mar 73
The effects of aflatoxin B 1 in vivo on membrane--rihosome association. Williams DJ, et al. Br J Cancer 27:283-90, Apr 73
Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. Rose LI, et al. J Clin Endocrinol Metab 36:995-8, May 73
Ovulation induced hy synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72
Protein synthesis in different hypothalamic areas during the sexual cycle in rats: influence of castration. Moguilevsky JA, et al. J Endocrinol 55:147-52, Oct 72
17- -Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study. Crovato F, et al. J Invest Dermatol 60:126-33, Mar 73
Synthesis and antimicrohial properties of 17 -isopentyloxy-4-aza-5 -androstane and the 4-methyl derivative. Doorenhos NJ, et al. J Pharm Sci 62:538-40, Apr 73
Androgen-binding protein in efferent duct fluid of rat testis. French FS, et al. J Reprod Fertil 32:479-83, Mar 73
[Osmolality of the human seminal plasma] Hofmann N, et al. Arch Dermatol Forsch 246:35-46, 29 Jan 73 (Eng. Abstr.) (Ger)
[Induction of biologically ineffective hyperactivity and hypertrophy of endocrine glands by active immunisation against the hormone produced. A new pathogenetic mechanism] Nieschlag E, et al. Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Eng. Abstr.) (Ger)
[Isolation of human sex-hormone-binding globulin (SHBG) using polyacrylamide gel electrophoresis] Rager K, et al. Endokrinologie 60:317-21, 1972 (Eng. Abstr.) (Ger)
[Affinity of steroids for the testosterone-estradiol hinding giohulin. II. Androgens] Kuroedova IA, et al. Probl Endokrinol (Mosk) 19:104-7, Jan-Feh 73 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Mechanism of the action of beta-glucuronidase inhibitor upon apocrine sweat and sebaceous glands and its dermatological application. Okubo T, et al. Acta Derm Venereol (Stockh) 53:85-93, 1973
Effects of testosterone upon the hiosynthesis of melatonin by the pineal gland. Houssay AB, et al. Acta Physiol Lat Am 22:274-5, 1972
Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. Am J Med 54:589-99, May 73
Hypotaurine: regulation of production in seminal vesicles and prostate of guinea-pig by testosterone. Kochakian CD. Nature 241:202-3, 19 Jan 73
Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or amhulation. Baum MJ. Physiol Behav 10:137-40, Jan 73
Testosterone-induced depression of adrenergic activity in the perfused canin hindlimh. Greenberg S, et al. Proc Soc Exp Biol Med 142:883-8, Mar 73
Resistance potential of certain hreeds of domestic fowl exposed to Raillietina tetragona infections. X. Influence of sex hormones on R. tetragona infection. Nadakal AM, et al. Z Parasitenkd 41:147-56, 24 Apr 73
[Effects of testosterone on libido and sexual potency] Schill WB. Munch Med Wochenschr 115:426-7, 9 Mar 73 (Ger)

ADVERSE EFFECTS

Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and hitches. Zimbelman RG, et al. Biol Reprod 8:388-91, Apr 73
[Virilization changes in the voice organ as a phoniatric problem] Pruszewicz A, et al. Otolaryngol Pol 27:131-9, 1973 (Eng. Abstr.) (Pol)
[Anaholic steroids and the functional state of the liver (a survey of the literature)] Vokov NF. Klin Med (Mosk) 50:63-7, Dec 72 (Rus)

ANALYSIS

Uptake, binding and metaholism of testosterone in rat brain tissues. Monbon M, et al. Brain Res 53:139-50, 13 Apr 73
An economical method for determining tritium content in competitive protein binding assays for steroid hormones. Connell GM, et al. Int J Appl Radiat Isot 24:239-40, Apr 73
The occurrence of testosterone and 5 -dihydrotestosterone in the submaxillary salivary gland of the boar. Booth WD. J Endocrinol 55:119-25, Oct 72
Interstitial cell tumor of the testis in adults: two case reports. Selvaggi FP, et al. J Urol 109:436-9, Mar 73
A radio-enzymic method for estimation of testosterone in human hlood and urine. Horn H, et al. Steroids Lipids Res 3:101-9, 1972
Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73
Characterization of an androgen binding protein (ABP) in rat testis and epididymis. Ritzén EM, et al. Steroids 21:593-608, Apr 73
[Testosterone determination in plasma and amniotic fluid using a competitive protein binding method] Stahl F, et al. Endokrinologie 60:322-8, 1972 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

Mechanism of the action of beta-glucuronidase inhibitor upon apocrine sweat and sebaceous glands and its dermatological application. Okubo T, et al. Acta Derm Venereol (Stockh) 53:85-93, 1973

BIOSYNTHESIS

Endogenous production of steroids hy subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules. Vusse GJ van der, et al. Biochim Biophys Acta 297:179-85, 24 Jan 73
Steroidogenesis in ovarian follicles isolated from rabhits before and after mating. Mills TM, et al. Endocrinology 92:788-91, Mar 73
Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4- 14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. Taylor T, et al. J Endocrinol 56:387-402, Mar 73
The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al. Physiol Behav 9:401-7, Sep 72

BLOOD

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)
Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular

relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**

Endocrine responses to anaesthetic agents. Oyama T. **Br J Anaesth 45:276-81, Mar 73 (82 ref.)**

Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Bennett WI, et al. **Endocrinology 92:813-21, Mar 73**

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al. **Endocrinology 92:1419-25, May 73**

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. **Fertil Steril 24:319-23, Apr 73**

Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate. Thomas HM Jr, et al. **Fertil Steril 24:252-9, Apr 73**

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogenase deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab 36:867-79, May 73**

Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone. Penny R, et al. **J Clin Endocrinol Metab 36:920-4, May 73**

Blood levels of gonadotropins and gonadal hormones in gynecomastia associated with chronic hemodialysis. Sawin CT, et al. **J Clin Endocrinol Metab 36:988-90, May 73**

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab 36:886-93, May 73**

Further evidence of inherent testicular rhythms in the laboratory rat. Kinson GA, et al. **J Endocrinol 56:337-8, Feb 73**

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. **J Endocrinol 57:123-34, Apr 73**

Adrenal and testicular contribution to plasma oestrogens. Saez JM, et al. **J Endocrinol 55:41-9, Oct 72**

Variability of hormone concentrations and ratios in commercial sera used for tissue culture. Esher HJ, et al. **J Natl Cancer Inst 50:559-62, Feb 73**

A familial syndrome of deafness, alopecia, and hypogonsdism. Crandall BF, et al. **J Pediatr 82:461-5, Mar 73**

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al. **J Reprod Fertil 32:365-78, Mar 73**

The sequence of changes in prepubertal male rat serum testosterone following intravenous injection of rat LH. Parlow AF, et al. **J Reprod Fertil 32:163-5, Jan 73**

The postoperative decrease of plasma testosterone in man, after major surgery, in relation to plasma FSH and LH. Carstensen H, et al. **J Steroid Biochem 4:45-55, Jan 73**

Plasma gonsdotropins in germinal cell aplasia (Sertoli-cell-only syndrome). Heath H 3d. **J Urol 109:847-9, May 73**

Estrogen dosage and suppression of testosterone levels in patients with prostatic carcinoma. Kent JR, et al. **J Urol 109:858-60, May 73**

Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. **Lab Pract 22:348, May 73**

Fall in plasma-testosterone levels in normal male subjects in response to an oral glucose load. Wall JR, et al. **Lancet 1:967-8, 5 May 73**

Cigarette smoking and infertility in men. Briggs MH. **Med J Aust 1:616-7, 24 Mar 73**

Androgen metabolism in cirrhosis of the liver. Southren AL, et al. **Metabolism 22:695-701, May 73**

Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripheral vein values. Stahl NL, et al. **Obstet Gynecol 41:650-4, May 73**

The effect of female rat proximity on the reproductive system of male rats. Purvis K, et al. **Physiol Behav 9:401-7, Sep 72**

Binding of cyproterone acetate to plasma proteins. Sammelwitz PH, et al. **Proc Soc Exp Biol Med 143:189-91, May 73**

Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Smith OW, et al. **Proc Soc Exp Biol Med 142:804-10, Mar 73**

Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Bartke A, et al. **Prostaglandins 3:97-104, Jan 73**

Studies on the activity of the pituitary-gonsdal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al. **Steroids Lipids Res 3:101-9, 1972**

Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments. Nienstedt W, et al. **Steroids Lipids Res 3:193-200, 1972**

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beltins IZ, et al. **Steroids 21:553-64, Apr 73**

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. **Steroids 21:409-22, Mar 73**

The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C. **Steroids 21:583-92, Apr 73**

Further studies on the temperature dependence of the binding of testosterone to human pregnancy plasma proteins. Lutz RA, et al. **Steroids 21:423-31, Mar 73**

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. **Urol Int 28:135-44, 1973**

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. **Urol Int 28:127-34, 1973**

[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al. **Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Effect of fasting and castration on the kinetics of metabolism of testosterone in the duck] Jallageas M, et al. **Gen Comp Endocrinol 20:401-6, Apr 73 (Eng. Abstr.) (Fre)**

[Virilizing mucoid cyst during pregnancy] Bronstein R, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)**

[Testosterone determination in plasma and amniotic fluid using a competitive protein binding method] Stahl F, et al. **Endokrinologie 60:322-8, 1972 (Eng. Abstr.) (Ger)**

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. **Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)**

[Gonadotropins and the hypothalamus--hypophysis--gonsd interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R. **Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)**

CHEMICAL SYNTHESIS

Allene versus acetylene in progestational steroids. Galantay EE, et al. **Experientia 28:771-2, 15 Jul 72**

DIAGNOSTIC USE

Male pseudohermaphroditism due to testicular 17 -hydroxysteroid dehydrogensse deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab 36:867-79, May 73**

[Determination of the androgen saturation of the organism using hormonal skin tests] Korik GG. **Urol Nefrol (Mosk) 38:49-52, Jan-Feb 73 (Eng. Abstr.) (Rus)**

ISOLATION & PURIFICATION

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al. **Brain Res 53:139-50, 13 Apr 73**

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al. **Steroids Lipids Res 3:101-9, 1972**

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human

placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

Effect of estradiol on the metabolism of testosterone by rat prostate. Fenci M de M, et al. Steroids 21:537-52, Apr 73

METABOLISM

Studies on the metabolism of C 19 steroids in the foeto-placental unit. 6. Formation and metabolism of testosterone sulphate in the intact foeto-placental unit. Ermini M, et al. Acta Endocrinol (Kbh) 72:786-800, Apr 73

Partial hypogonsdotrophic hypogonsdism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. Aust J Exp Biol Med Sci 50:861-72, Dec 72

Heterogeneity of hepatic mixed function oxidases. Björkhem I, et al. Biochem Biophys Res Commun 51:766-74, 2 Apr 73

Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells. Abraham AD, et al. Biochim Biophys Acta 297:142-54, 24 Jan 73

Species distribution of testosterone-binding globulin. Corvol P, et al. Biol Reprod 8:277-82, Apr 73

Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and bitches. Zimbelman RG, et al. Biol Reprod 8:388-91, Apr 73

A new method of determining the hormone dependence of human breast cancer. Flax H. Br J Surg 60:317-8, Apr 73

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al. Brain Res 53:139-50, 13 Apr 73

Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of androgens by porcine blood cells. Kraemer MA, et al. Can J Biochem 51:390-6, Apr 73

Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonsdal activity of male rats. Ling GM, et al. Int J Clin Pharmacol 7:1-5, Feb 73

Studies on the relationship between androgen receptors and the transport of androgens in rat prostate. Rennie P, et al. J Biol Chem 248:3288-97, 10 May 73

Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. Hellman L, et al. J Clin Endocrinol Metab 36:801-3, May 73

The metabolism of testosterone by human male scalp skin. Bingham KD, et al. J Endocrinol 57:111-21, Apr 73

[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernstant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73

17- -Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study. Crovato F, et al. J Invest Dermatol 60:126-33, Mar 73

The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. J Invest Dermatol 60:183-7, Apr 73

Steroid metabolism by the chin gland of the male cuis, Gales musteloides. Holt WV, et al. J Reprod Fertil 33:53-9, Apr 73

Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. Bruijn HW de, et al. J Steroid Biochem 4:85-7, Jan 73

Testosterone "receptors" in purified nuclei of rat anterior hypophysis. Jouan P, et al. J Steroid Biochem 4:65-74, Jan 73

End organ metabolism of testosterone. I. Effects of hypophysectomy and growth hormone. Moshang T Jr, et al. J Steroid Biochem 4:11-5, Jan 73

Metabolism of androgens by human breast tissue. Miller WR, et al. Lancet 809:912-3, 28 Apr 73

Difference in binding of 14 C and tritium-labeled testosterone by the sex-binding globulin (SBG). Caputo MJ, et al. Metabolism 22:623-5, Apr 73

Ribonucleoprotein binding of steroid-"receptor" complexes. Liao S, et al. Nature [New Biol] 241:211-3, 14 Feb 73

Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973

Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. Q J Stnd Alcohol 34:57-63, Mar 73

19-Nortestosterone. I. Its metabolism in the rabbit. Both-Miedema R, et al. Steroids Lipids Res 3:49-58, 1972

Sexual steroid uptake in the alloxanized diabetic rat. Denari JH, et al. Steroids Lipids Res 3:151-5, 1972

Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments. Harri MP, et al. Steroids Lipids Res 3:220-4, 1972

Testosterone metabolismin rat lung in vitro. Hartiala J, et al. Steroids Lipids Res 3:178-84, 1972

On the 2-hydroxylation of testosterone by human fetal liver microsomes. Lisboa BP, et al. Steroids Lipids Res 3:142-50, 1972

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Sellicovich A, et al. Steroids Lipids Res 3:214-9, 1972

The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Beitins IZ, et al. Steroids 21:553-64, Apr 73

Effect of estradiol on the metabolism of testosterone by rat prostate. Fenci M de M, et al. Steroids 21:537-52, Apr 73

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. Urol Int 28:135-44, 1973

Hormonal changes in urine and plasma in patienta with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. Urol Int 28:127-34, 1973

[Effect of fasting and castration on the kinetics of metabolism of testosterone in the duck] Jallageas M, et al. Gen Comp Endocrinol 20:401-6, Apr 73 (Eng. Abstr.) (Fre)

[Hormonal and antihormonal activity of steriod catabolism producta of the hexahydroindan group] Schnabel R, et al. Endokrinologie 60:382-6, 1972 (Eng. Abstr.) (Ger)

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

[Metabolism of steroid conjugates. XII. Metabolism of 7 - 3 H-dehydroepiandrosterone-phosphatide in man] Oertel GW, et al. Steroids Lipids Res 3:134-41, 1972 (Eng. Abstr.) (Ger)

[Metabolism of steroid conjugates. XI. Metabolism of 7 - 3 H-dehydroepiandrosterone lauryl sulfate in humans] Oertel GW, et al. Steroids Lipids Res 3:125-33, 1972 (Eng. Abstr.) (Ger)

[Action mechanism of androgen on the prostate] Shida K, et al. Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al. Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Response of the vagina of newborn rats to sequential treatment with sexual hormones. Rossano GL, et al. Acta Anat (Basel) 84:492-7, 1973

Effects of testosterone upon the biosynthesis of melatonin by the pineal gland. Houssay AB, et al. Acta Physiol Lat Am 22:274-5, 1972

Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. Am J Med 54:589-99, May 73

Footholds for survival. Thiessen DD. Am Sci 61:346-51, May-Jun 73

The influence of testosterone on chick behavior in novel environments. Archer J. Behav Biol 8:93-108, Jan 73

Hormonal effects in vitro on prostatic ribonucleic acid polymerase. Davies P, et al. Biochem J 129:1167-9, Oct 72

Chlorcyclizine N-demethylase activity in chick embryo hepatic cell culture. Poland A, et al. Biochem Pharmacol 22:749-58, 15 Mar 73

Testosterone-stimulation of adenyl cyclase and cyclic 3',5'-adnosine monophosphate- 3 H formation in rat seminal vesicles. Thomas JA, et al. Biochem Pharmacol 22:507-11, 15 Feb 73

On the significance of drug-induced spectral changes in liver microsomes. Orrenius S, et al. **Biochem Soc Symp 34:55-77, 1972 (24 ref.)**

Morphological changes of benign prostatic hyperplasia in culture. McMahon MJ, et al. **Br J Cancer 27:323-35, Apr 73**

Effect of phenobarbital pretreatment on the sensitivity of the isolated guinea pig vas deferens to various agonists. Gascon AL, et al. **Can J Physiol Pharmacol 51:39-45, Jan 73**

Cell proliferation in the castrate mouse seminal vesicle in response to testosterone propionate. II. Theoretical considerations. Appleton D, et al. **Cell Tissue Kinet 6:247-58, May 73**

Cell proliferation in the castrate mouse seminal vesicle in response to testosterone propionate. I. Experimental observations. Morley AR, et al. **Cell Tissue Kinet 6:239-46, May 73**

Requirement of the pituitary gland for gonadal bormone effects on hepatic corticosteroid metabolism in rats and hamsters. Colby HD, et al. **Endocrinology 92:769-74, Mar 73**

Early effect of testosterone in tbe incorporation of uridine into RNA of mouse kidney and seminal vesicles. Dubovsky J, et al. **Endocrinology 92:917-20, Mar 73**

Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al. **Endocrinology 92:941-5, Mar 73**

The inhibition by denervation of the effect of testosterone on glycogen metabolism in the levator ani muscle. Pagni R, et al. **Endocrinology 92:667-73, Mar 73**

Androgenic induction of alpha-2u globulin in rats: androgen insensitivity in prepubertal animals. Roy AK. **Endocrinology 92:957-60, Mar 73**

Inhibition of crop sac growth by dexamethasone in ring doves (Streptopelia risoria). Silver R, et al. **Endocrinology 92:1568-71, May 73**

Gross lipid metabolism and testosterone. Mukherjee AK, et al. **Endokrinologie 61:21-4, 1973**

The effects of castration and repositol testosterone treatment on exercise-induced glycogen and free fatty acid mobilization. Taylor AW, et al. **Endokrinologie 61:13-6 passim, 1973**

The effects of various steroids on the vaginal histology in tbe rat. Jones RC, et al. **Fertil Steril 24:284-91, Apr 73**

Glycogen content and glucose uptake in stimulated frog sartorius muscle: effects of prolonged incubation, insulin, and testosterone. Stumpfhauser L, et al. **Int Z Angew Physiol 31:163-72, 2 Mar 73**

Antiandrogen effects on canine prostatic secretion. Scboonees R, et al. **Invest Urol 10:434-7, May 73**

Studies on the relationship between androgen receptors and tbe transport of androgens in rat prostate. Rennie P, et al. **J Biol Chem 248:3288-97, 10 May 73**

Studies of the role of sex steroids in the feedback control of FSH concentrations in men. Sherins RJ, et al. **J Clin Endocrinol Metab 36:886-93, May 73**

Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. **J Endocrinol 55:173-84, Oct 72**

Hormonal specificity in the suppression of sexual receptivity of the female golden hamster. Coniglio LP, et al. **J Endocrinol 57:55-61, Apr 73**

Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Libertun C, et al. **J Endocrinol 55:221-2, Oct 72**

Androgen-dependent synthesis of apiha-2u globulin in tbe rat: role of the pituitary gland. Roy AK. **J Endocrinol 56:295-301, Feb 73**

Androgenization of tbe neonatal female rat witb very low doses of androgen. Sheridan PJ, et al. **J Endocrinol 57:33-45, Apr 73**

Hormone-induced activation of target-specific lysosomes: acute translocation to the nucleus after administration of gonadal hormones in vivo. Szego CM, et al. **J Endocrinol 56:347-60, Mar 73**

Inhibitory effect of 5 -reduced metabolites of testosterone on gonsdotrophin secretion. Zanisi M, et al. **J Endocrinol 56:315-6, Feb 73**

Glucocorticoid suppression of macrophage migration inhibitory factor. Balow JE, et al. **J Exp Med 137:1031-41, 1 Apr 73**

The responses of tbe sebaceous glands of tbe hypopbysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. Ebling FJ, et al. **J Invest Dermatol 60:183-7, Apr 73**

A murine renal cell carcinoma. Murphy GP, et al. **J Natl Cancer Inst 50:1013-25, Apr 73**

Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. Terner C, et al. **J Reprod Fertil 32:453-64, Mar 73**

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR. **Life Sci [I] 11:461-73, 15 May 72**

Alteration of sexual behavior and sex accessory glands by p-chlorophenylalanine and testosterone. Gawienowski AM, et al. **Life Sci [I] 12:307-15, 1 Apr 73**

Androgen metsbolism in cirrhosis of the liver. Southren AL, et al. **Metabolism 22:695-701, May 73**

Hypotsurine: regulation of production in seminal vesicles and prostate of guinea-pig by testosterone. Kochakian CD. **Nature 241:202-3, 19 Jan 73**

Sex-dependent increase in pineal hydroxyindole-O-methyl transferase activity after a single intraventricular injection of 6-hydroxydopamine to newborn rats. Hyyppä MT, et al. **Neuroendocrinology 11:274-83, 1973**

Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Mallampati RS, et al. **Neuroendocrinology 11:46-56, 1973**

Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or ambulation. Baum MJ. **Physiol Behav 10:137-40, Jan 73**

Mediation of tbe mating induced increase in accessory reproductive organ size of male rats. Thomas TR, et al. **Physiol Behav 10:13-7, Jan 73**

Testosterone-induced depression of adrenergic activity in the perfused canin hindlimb. Greenberg S, et al. **Proc Soc Exp Biol Med 142:883-8, Mar 73**

Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V. **Rev Czech Med 19:3-14, 1973**

[Anti-androgenic therapy for prostate carcinoma] Scboonees R. **S Afr Med J 47:722-4, 5 May 73 (Eng. Abstr.) (Afr)**

[First results on electropboresis of proteins from the epididymis of immature rats] Fournier-Delpech S. **C R Soc Biol (Paris) 166:1174-5, 1972 (Fre)**

[Somatic sexual differentiation of rat fetuses. The action of clomipbene on fetuses whose mothers had been treated with estradiol or testosterone propionate] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:781-94, Dec 72 (Eng. Abstr.) (Fre)**

[Modifications of gonsdotrophic cells in the adenohypophysis of rats given testosterone during tbe estrous cycle] Achille E, et al. **Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)**

[Hormonal regulation of lipid metabolism. 19th symposium of tbe German Society of Endocrinology] **Dtsch Med Wochenschr 98:787-91, 13 Apr 73 (Ger)**

[Action mechanism of androgen on the prostate] Shida K, et al. **Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)**

[Regulation of gonsdotropin secretion] Attramadal A. **Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)**

PHYSIOLOGY

Possible influence of testicular hormone on pyridoxal phosphate formation in vivo by tbe kidney tissue after administration of flavin mono nucleotide. Chatterjee AK, et al. **Endokrinologie 61:140-3, 1973**

Brain norepinephrine levels and turnover rates in castrated mice isolated for 13 months. Bernard BK, et al. **Experientia 29:221-3, 15 Feb 73**

Hypotaurine: regulation of production in seminal vesicles and prostate of guinea-pig by testosterone. Koohakian CD. **Nature 241:202-3, 19 Jan 73**

SECRETION

Hypogonadotropic hypogonadism witb anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al. **Arch Intern Med 131:501-7, Apr 73**

Human luteinizing hormone in man: studies of metabolism and biological action. Marshall JC, et al. **J Endocrinol 56:431-9, Mar 73**

[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al. **Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Effect of fasting and castration on the kinetics of metabolism of testosterone in the duck] Jallageas M, et al. **Gen Comp Endocrinol 20:401-6, Apr 73 (Eng. Abstr.) (Fre)**

THERAPEUTIC USE

A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental alleric encephalomyelitis in Wistar rats. Elliott GA, et al. **Acta Neuropathol (Berl) 23:95-104, 30 Jan 73**

Melphalan and prednisone: an effective combination for the treatment of multiple myeloma. Costa G, et al. **Am J Med 54:589-99, May 73**

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hyposndrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. **Andrologie 4:219-29, 1972**

The effect of hormonal therapy on a transplantable renal cortical adenocarcinoma in syngeneic mice. Soloway MS, et al. **J Urol 109:356-61, Mar 73**

Sex-related resistance in hamsters to adenovirus oncogenesis. Yohn DS. **Prog Exp Tumor Res 18:138-65, 1973 (59 ref.)**

[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al. **Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)**

[Autoimmunity against spermatozoa and male sterility] Rümke P. **Andrologie 4:191-200, 1972 (95 ref.) (Ger)**

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G. **Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)**

[Combination of corticoid, anabolic steroid and antibiotic disinfection in external dermatotherapy] **Ells J. Z Haut Geschlechtskr 48:193-6, 1 Mar 73 (Ger)**

[Androgens in treatment of metastatic breast cancer] Horn Y, et al. **Harefuah 83:584-5, 15 Dec 72 (Eng. Abstr.) (Heb)**

[Bioassay of various anti-ulcer drugs using the clamping-cortisone ulcer--with special reference to the tissue and numerical analysis] Hori H. **Jap J Gastroenterol 69:19-35, Jan 72 (Eng. Abstr.) (Jap)**

[Virilization changes in the voice organ as a phoniatric problem] Pruszewicz A, et al. **Otolaryngol Pol 27:131-9, 1973 (Eng. Abstr.) (Pol)**

[Current status and treatment of nasopharyngeal fibroma] Lazeanu M, et al. **Otorinolaringologie 18:1-16, Jan-Feb 73 (Eng. Abstr.) (Rum)**

[Clinical aspects of transplantation of the testicle. I. Indications for the operation and methods of diagnosis] Kirpatovskii ID, et al. **Khirurgiia (Mosk) 49:22-8, Feb 72 (Eng. Abstr.) (Rus)**

URINE

Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. Morse HC, et al. **J Reprod Fertil 32:365-78, Mar 73**

Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Wakeling A, et al. **Psychol Med 5:28-38, Feb 73**

Abnormal testosterone excretion in men alcoholics. Fabre LF Jr, et al. **Q J Stud Alcohol 34:57-63, Mar 73**

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al. **Steroids Lipids Res 3:101-9, 1972**

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. **Steroids 21:409-22, Mar 73**

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. II. Malignant teratoma of intermediate type B and malignant trophoblastic teratoma. Lindenmeyer D, et al. **Urol Int 28:135-44, 1973**

Hormonal changes in urine and plasma in patients with various testicular tumours before and after treatment. I. Seminoma. Lindenmeyer D, et al. **Urol Int 28:127-34, 1973**

[Virilizing mucoid cyst during pregnancy] Bronstein R, et al. **J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 (Eng. Abstr.) (Fre)**

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al. **Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)**

GONADS

IV. Related Topics

CASTRATION

Effect of castration and peroral estrogen therapy on the skin. Punnonen R.
Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972

The effect of ovariectomy on experimental mammary carcinoma in the rat with portacaval shunt. O'Grady JF, et al. Br J Surg 60:317, Apr 73

Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72

Compensatory ovarian hypertrophy can he ohtained in neonatal rats. Dunlap JL, et al.
J Reprod Fertil 32:517-9, Mar 73

Effect of hemiovariectomy on serum FSH and LH levels during the oestrous cycle in the rat. Howland BE, et al.
J Reprod Fertil 32:501-3, Mar 73

Spay clinics: the other side of the story.
Mod Vet Pract 54:29-34, Apr 73

Castrating operations associated with metastatic lesions of the hreast. Puga FJ, et al.
Obstet Gynecol 41:713-9, May 73

Effects of gonadectomy on sex differences in DRL behavior. Beatty WW. Physiol Behav 10:177-8, Jan 73

Castration in treatment of sex offenders: an appraisal.
Gaensbauer TJ. Rocky Mt Med J 70:23-8, Apr 73

[5-year follow-up study of 5 sexual deviants after therapeutic operation] Taus L, et al.
Cesk Psychiatr 69:51-5, Feb 73 (Eng. Abstr.) (Cze)

[Catamneses of castrated sex delinquents from the forensic and psychiatric viewpoint] Cornu F.
Fortschr Med 90:1035-6, 12 Oct 72 (Ger)

[The effect of gonadectomy on the endocrine epithelium of the pancreas] Puzyrev AA, et al.
Arkh Anat Gistol Embriol 63:75-84, Jul 72 (Eng. Abstr.) (Rus)

[Effect of insulin on the activity of aspartate- and alanine-transaminases in the isolated liver of normal rats and rats with alloxan diahetes. Effect of castration] Polikarpova LI.
Probl Endokrinol (Mosk) 19:55-7, Jan-Feb 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Osteoporosis after oophorectomy for non-malignant disease in premenopausal women. Aitken JM, et al.
Br Med J 2:325-8, 12 May 73

Septic abortion and septic shock. Utian WH.
S Afr Med J 47:639, 21 Apr 73

[Pattern of behavior of the adrenal cortex in castrated female rats in the course of aging] Malarewicz A.
Ginekol Pol 44:363-9, Apr 73 (Eng. Abstr.) (Pol)

VETERINARY

Complications of ovariohysterectomies. Furneaux RW, et al. Can Vet J 14:98-9, Apr 73

[History of castration of animals with special reference to its practice in Poland] Kostyra J.
Pol Arch Weter 15:175-88, 1972 (Eng. Abstr.) (Pol)

ESTRUS

Hormonal vaginal cytology in Canis familiaris. Deleon I, et al. Acta Physiol Lat Am 22:227-32, 1972

Sperm migration through the uterine cervix in the macaque during the menstrual cycle. Jaszczak S, et al.
Am J Obstet Gynecol 115:1070-82, 15 Apr 73

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined hy radioimmunoassay. Whitmore HL, et al.
Am J Vet Res 34:631-6, May 73

Diurnal variations in pineal glycogen content during the estrous cycle in female mice. Kachi T, et al.
Arch Histol Jap 35:153-9, Jan 73

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous hlood and LH in the peripheral plasma of cyclic hamsters. Lahhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73

Development, cellular growth, and function of the avian oviduct. Studies on the magnum during a reproductive cycle of the domestic fowl (Gallus domesticus). Yu JY, et al. Biol Reprod 8:283-98, Apr 73

Inhihition of the proestrous surge of prolactin in the rat hy nicotine. Blake CA, et al.
Endocrinology 92:1334-8, May 73

Serum LH and FSH levels in mated and unmated proestrous female rats. Rodgers CH, et al.
Endocrinology 92:1475-9, May 73

Ascorhic acid and cholesterol of hlood and adrenals during estrous cycle in Surti huffalo heifers. Zala PM, et al. Indian J Exp Biol 10:312-4, Jul 72

Postpartum estrus as an indicator of reproductive status in the dairy cow. Thatcher WW, et al.
J Dairy Sci 56:608-10, May 73

Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. J Endocrinol 57:187-8, Apr 73

Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallahy, Macropus eugenii. Lemon M. J Endocrinol 55:63-71, Oct 72

Oestrone and oestradiol in jugular vein plasma during the oestrous cycle of the cow. Mason BD, et al.
J Endocrinol 55:141-6, Oct 72

Protein synthesis in different hypothalamic areas during the sexual cycle in rats: influence of castration. Moguilevsky JA, et al.
J Endocrinol 55:147-52, Oct 72

Changes in the collagen of the uterine cervix of the mouse during the oestrous cycle. Rimmer DM.
J Endocrinol 55:213-4, Oct 72

Oestradiol levels in the peripheral hlood of cows during the oestrous cycle. Shemesh M, et al.
J Endocrinol 55:73-8, Oct 72

The effect of feed level during the oestrous cycle on ovulation, emhryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al.
J Reprod Fertil 32:71-8, Jan 73

Influence of stage of cycle, progestagen treatment and dose of oestrogen on uterine motility in the ewe. Croker KP, et al. J Reprod Fertil 32:521-4, Mar 73

Effects of hysterectomy on corpus luteum activity in the cyclic, pseudopregnant and pregnant mouse.
Dewar AD. J Reprod Fertil 33:77-89, Apr 73

Effect of hemiovariectomy on serum FSH and LH levels during the oestrous cycle in the rat. Howland BE, et al.
J Reprod Fertil 32:501-3, Mar 73

Ovulation rate of Finn-Dorset sheep following unilateral ovariectomy or chlorpromazine treatment at different stages of the oestrous cycle. Land RB.
J Reprod Fertil 33:99-105, Apr 73

The effect of partial removal of the corpora lutea on the ovarian cycle in the rat. Smaistig EB, et al.
J Reprod Fertil 32:137-40, Jan 73

Quantitative histochemical assessment of the changes produced in hamster mammary tissue mast cells by the estrus cycle. Purnell DM, et al.
Life Sci [II] 12:253-66, 22 Mar 73

Maintenance of lactational diestrum in the postpartum rat through tactile stimulation in the absence of suckling. Zarrow MX, et al.
Neuroendocrinology 11:150-5, 1973

Brain 3 H-catechol synthesis and the vaginal estrous cycle. Zschaeck LL, et al.
Neuroendocrinology 11:144-9, 1973

The influence of high-fat diets on estrous cycles, sperm production and fertility of rats. Innami S, et al.
Proc Soc Exp Biol Med 143:63-8, May 73

Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats. Maneckjee R, et al.
Proc Soc Exp Biol Med 143:69-72, May 73

Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm.
Mann DR, et al.
Proc Soc Exp Biol Med 142:1226-9, Apr 73

Suppression of proestrous and suckling-induced

increase in serum prolactin by hypothalamic implant of prolactin. Voogt JL, et al.
Proc Soc Exp Biol Med 142:1056-8, Apr 73

[Olfactory stimuli and regulation of estrus cycle length in rats] Aron C, et al.
Ann Endocrinol (Paris) 33:23-33, Jan-Feb 72 (Eng. Abstr.) (Fre)

[Effect of male or female urine from normal or castrated rats on the duration of the estrus cycle in female rats] Chateau D, et al.
C R Soc Biol (Paris) 166:1110-3, 1972 (Fre)

[Modifications of gonadotrophic cells in the adenohypophysis of rats given testosterone during the estrous cycle] Achille E, et al.
Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Eng. Abstr.) (Fre)

[The effect of bilateral extirpation of the superior cervical sympathetic ganglia on the course of the estrus cycle under bromide administration] Kulik II.
Pediatr Akush Ginekol 3:60-1, May-Jun 72 (Ukr)

DRUG EFFECTS

Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972

Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch. Bryan HS.
Am J Vet Res 34:659-63, May 73

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al.
Biol Reprod 8:378-87, Apr 73

Effect of progesterone and Nembutal in altering estrous running and vaginal periodicity in the female rat. Paup DC. Endocrinology 92:1530-5, May 73

Duration of estrus and ovulation time in nonlactating mares given human chorionic gondotropin during three successive estrous periods. Sullivan JJ, et al.
J Am Vet Med Assoc 162:895-8, 15 May 73

Serum luteinizing hormone (LH) in ewes treated with various dosages of 17 -estradiol at three stages of the anestrous season. Beck TW, et al.
J Anim Sci 36:566-70, Mar 73

Control by progesterone of the concentration of lipid droplets in epithelial cells of the sheep endometrium. Brinsfield TH, et al. J Anim Sci 36:919-22, May 73

Synchronization of estrus and ovulation in superovulated gilts. Christenson RK, et al.
J Anim Sci 36:914-8, May 73

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al.
J Anim Sci 36:540-5, Mar 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al.
J Anim Sci 36:716-21, Apr 73

The effects of oestrogen on the cell cycle in epithelial and connective tissues of the mouse uterus. Das RM.
J Endocrinol 55:21-30, Oct 72

The induction of ovulation and oestrus in the chinchilla. Weir BJ. J Reprod Fertil 33:61-8, Apr 73

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73

Induction and synchronisation of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Schilling E, et al. Vet Rec 91:471-4, 11 Nov 72

[Estrus and conception in cattle following cycle synchronization and HCG-administration] Grunert E, et al.
Dtsch Tieraerztl Wochenschr 80:152-4, 1 Apr 73 (Eng. Abstr.) (Ger)

FEMINIZATION

[Association of sexual ambiguity and hypopituitarism] Chaussain JL, et al.
Arch Fr Pediatr 29:890, Oct 72 (Fre)

ETIOLOGY

Observations on the epidemiology of simple hypospadias. Roberts CJ, et al.
Br Med J 1:768-70, 31 Mar 73

OVULATION

The role of the anterior region of the medial basal hypothalamus in the control of ovulation and sexual behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:753-62, 1972

Saliva glucose: a useful criterion for determining the time of fertility in women. Davis RH, et al.
Am J Obstet Gynecol 115:287-8, 15 Jan 73

Resumption of ovulation after incomplete abortion. Ratten GJ. Aust NZ J Obstet Gynaecol 12:217-9, Nov 72

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al.
Biochim Biophys Acta 304:197-202, 30 Mar 73

Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamstera. Lahhsetwar AP, et al. Biol Reprod 8:321-6, Apr 73

Leukocyte alkaline phosphatase monitoring of ovarian function in normal and clomiphene-treated cycles. Polishuk WZ, et al. Fertil Steril 24:245-51, Apr 73

Changes in the fine structure of the ovarian follicle of the toad (Bufo bufo) Prior to induced ovulation. Thornton VF, et al.
Gen Comp Endocrinol 20:413-23, Apr 73

Induced ovulation in albino rats exposed to constant light. Brown-Grant K, et al.
J Endocrinol 57:7-22, Apr 73

Luteinizing hormone and progesterone in peripheral blood during the ovulatory cycle of the hen Gallus domesticus. Furr BJ, et al.
J Endocrinol 57:159-69, Apr 73

In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation. Snyder BW, et al.
J Exp Zool 183:333-42, Mar 73

Infrared photolaparographic techniques for ovulation studies in primates. Jewett DA, et al.
J Med Primatol 1:193-5, 1972

The value of a cervical score in the assessment of ovarian function. Flynn AM, et al.
J Obstet Gynaecol Br Commonw 80:152-9, Feb 73

The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al.
J Reprod Fertil 32:71-8, Jan 73

Influence of season of lambing on postpartum intervals to ovulation and oestrus in lactating and dry ewes at different nutritional levels. Hunter GL, et al.
J Reprod Fertil 32:1-8, Jan 73

Ovulation rate of Finn-Dorset sheep following unilateral ovariectomy or chlorpromazine treatment at different stages of the oestrous cycle. Land RB.
J Reprod Fertil 33:99-105, Apr 73

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)

On the development of gynecologic laparoscopy. A recording of human ovulation. Frangenheim H.
J Reprod Med 10:227-9, May 73

Rates of ovulation and oviposition in growth selected lines of chickens. Udale RW, et al.
Poult Sci 51:2098-100, Nov 72

[The mechanisms which regulate ovulation] Curchod A, et al.
Rev Med Suisse Romande 92:775-84, Oct 72 (Fre)

[Body built and endocrine changes in women with habitual abortions] Koreneva GP, et al.
Vopr Okhr Materin Det 17:48-51, Nov 72 (Eng. Abstr.) (Rus)

[Participation of 17 alpha-hydroxyprogesterone in the mechanism of ovulation] Cortés-Gallegos V.
Gac Med Mex 105:103-9, Jan 73 (Spa)

DRUG EFFECTS

Reproductive pattern after completion of ovulation stimulation treatment. Cox LW.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al.
Biol Reprod 8:378-87, Apr 73

Induction of ovulation in goldfish by clomiphene citrate. Pandey S, et al. Can J Zool 50:1679-80, Dec 72

Peripheral levels of estrogen in the PMS-primed cycling hamster. Baranczuk R, et al.
Endocrinology 92:1547-50, May 73

Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF).
Humphrey RR, et al. Endocrinology 92:1515-26, May 73

Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA.
Endocrinology 92:881-7, Mar 73

Observations on the induction of ovulation and fertilization in vitro in the squirrel monkey (Saimiri sciureus). Gould KG, et al.
Fertil Steril 24:260-8, Apr 73

Duration of estrus and ovulation time in nonlactating mares given human chorionic gondotropin during three successive estroua periods. Sullivan JJ, et al.
J Am Vet Med Assoc 162:895-8, 15 May 73

Synchronization of estrus and ovulation in superovulated gilts. Christenson RK, et al.
J Anim Sci 36:914-8, May 73

Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al.
J Anim Sci 36:540-5, Mar 73

Inhibition of ovulation in the rat hy intrahypothalamic implants of an antioestrogen. Billard R, et al.
J Endocrinol 56:585-90, Mar 73

Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72

Short- and long-term effects of a single injection of depo-medroxyprogesterone acetate (provera) on the vaginal smear, ovulation and mating in the rat. Dickmann Z. J Reprod Fertil 32:447-51, Mar 73

Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus. Imai K. J Reprod Fertil 33:91-8, Apr 73

Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. Jainudeen MR, et al. J Reprod Fertil 33:151-4, Apr 73

Androgenization of the female rat with androstenediol. Johnson DC. J Reprod Fertil 32:159-61, Jan 73

The induction of ovulation and oestrus in the chinchilla. Weir BJ. J Reprod Fertil 33:61-8, Apr 73

Increased frequency of chromosomal anomaliea in ahortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73

Cyclophosphamide: induction of superovulation in rats. Russell WR, et al. Nature 241:129-30, 12 Jan 73

Contraceptive mechanism of microdose norethindrone. Moghissi KS, et al. Obstet Gynecol 41:585-94, Apr 73

Blockade of the proestrous LH surge in cyclic rats hy barhiturate administration on diestrus. Beattie CW, et al. Proc Soc Exp Biol Med 142:933-5, Mar 73

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al.
Proc Soc Exp Biol Med 143:152-5, May 73

Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone. Rippel RH, et al.
Proc Soc Exp Biol Med 143:55-8, May 73

[Hormonal parameters in the anovulation cycle of the woman] Horský J, et al.
Cesk Gynekol 38:155-6, Apr 73 (Cze)

[Long-term effects of hyper-ovulatory treatment on pregnancy in rats] Chrétien FC.
Ann Endocrinol (Paris) 33:507-16, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Experimental study on ovulation induction hy cyclofenil (sexovid, F6066), with special reference to its effect on the ovary] Tojyo S, et al.
Clin Endocrinol (Tokyo) 21:193-201, Feb 73 (Jap)

[Treatment of anovulatory sterility. II. Analysis of the results of the use of human gonadotropins] Canales ES, et al.
Ginecol Obstet Mex 33:85-97, Jan 73 (Eng. Abstr.) (Spa)

[Side effects and especially uterine hleeding in women taking oral contraceptives] Bygdeman M, et al.
Lakartidningen 69:Suppl 4:42-6, 27 Dec 72 (Eng. Abstr.) (Swe)

RADIATION EFFECTS

Unilateral reduction of ovulations following selective ovarian x-irradiation. Hahn EW, et al.
Endocrinology 92:1447-50, May 73

Egg production in hens continuously irradiated as embryos. Mraz FR, et al. Radiat Res 54:63-8, Apr 73

PUBERTY

Effect of electrical stimulation of the hypothalamus on the onset of puherty and ability to reproduce in female rats. Meijs-Roelofs HM.
Acta Morphol Neerl Scand 10:385, Dec 72

FSH action on the -aminoisohutyric acid transport in the prepuberal rat testea. Iruata O, et al.
Acta Physiol Lat Am 22:276-8, 1972

Androgens and athletes. Frasier SD.
Am J Dis Child 125:479-80, Apr 73

Nutritional rickets at puberty. Moncrieff MW, et al.
Arch Dis Child 48:221-4, Mar 73

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Atkinson PM. Br J Surg 60:258-60, Apr 73

The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle. Atkinson PM.
Br J Surg 60:253-8, Apr 73

Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:113, 14 Apr 73

Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents. Sloh A, et al.
Clin Chim Acta 44:307-18, 30 Mar 73

Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA.
Endocrinology 92:881-7, Mar 73

A parameterization for individual human growth curves. Bock RD, et al. Hum Biol 45:63-80, Feh 73

Hypothalamic follicle-stimulating-hormone-releasing factor content in the female rat before and after puberty. Sud SC, et al.
Indian J Exp Biol 10:262-4, Jul 72

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. J Clin Endocrinol Metab 36:817-25, May 73

Suppression of urinary and plasma follicle-stimulating hormone hy exogenous estrogens in prepubertal and puhertal children. Keich RP, et al.
J Clin Invest 52:1122-8, May 73

Influence of age on the release of luteinizing hormone induced hy oestrogen and progesterone in immature rats. Caligaris L, et al. J Endocrinol 55:97-103, Oct 72

Adrenocortical function in prepuberal rats: neonatal effects of testosterone. Lihertun C, et al.
J Endocrinol 55:221-2, Oct 72

Serum alkaline phosphatase activity during adolescence. Salz JL, et al. J Pediatr 82:536-7, Mar 73

The effect of feed ievel during the oestrous cycle on ovulation, emhryo survival and anterior pituitary LH potency in the gilt. Cooper KJ, et al.
J Reprod Fertil 32:71-8, Jan 73

The sequence of changes in prepubertal male rat serum testosterone following intravenous injection of rat LH. Parlow AF, et al. J Reprod Fertil 32:163-5, Jan 73

Aminopeptidases of rat testis. II. Effects of puberty, cryptorchidism and cadmium chioride treatment. Vanha-Perttula T. J Reprod Fertil 32:45-53, Jan 73

Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions. Vanha-Perttula T.
J Reprod Fertil 32:55-63, Jan 73

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feh 73 (60 ref.)

The traditional management of puberty and childbirth among the Ga people, Ghana. Otoo SN.
Trop Geogr Med 25:88-94, Mar 73

How does the hrain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)

[Fear of obesity and adolescence] Faltus F.
Cesk Psychiatr 69:124-7, Apr 73 (Eng. Abstr.) (Cze)

[Changes in testosterone hlood ievel after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al.
Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH hlood ievels. Preliminary in normal subjects (children and adults) and in pathology] Joh JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

[First results on electrophoresis of proteins from the epididymis of immature rats] Fournier-Delpech S.
C R Soc Biol (Paris) 166:1174-5, 1972 (Fre)

[Clinical and prognostic study of 50 cases of anorexia nervosa in young giris] Wolf A.
Rev Neuropsychiatr Infant 21:131-8, Mar 73 (Eng. Abstr.) (Fre)

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)
[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al.
Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)
[Clinical value of luteonosticon test] Hohlweg W.
Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)
[Possibilities of care within the scope of suicide prevention] Späte HF.
Z Aerztl Fortbild (Jena) 67:131-6, 1 Feb 73 (Ger)
[Tumor of endodermal sinuses or Schiller's mesonephroma] Urbano U.
Tumori 58:373-88, Nov-Dec 72 (Eng. Abstr.) (Ita)
[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)
[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH.
Tidsskr Nor Laegeforen 92:2208-14, 20 Nov 72 (Eng. Abstr.) (Nor)
[Analysis of developmental dynamics in girls in early pubertal age] Blaim A, et al.
Ginekol Pol 44:283-9, Mar 73 (Eng. Abstr.) (Pol)
[Some hematological values and the degree of sexual maturity in children and adolescents] Mikusek J.
Pediatr Pol 48:435-43, Apr 73 (Eng. Abstr.) (Pol)
[Medicolegal aspects of behavior disorders in children of pubertal age and in adolescence] Stanciu E.
Neurol Psihiatr Neurochir 17:431-40, Sep-Oct 72 (Eng. Abstr.) (Rum)
[The course of inflammatory gynecologic diseases during puberty] Sèva G.
Akush Ginekol (Mosk) 49:71-2, Jan 73 (Rus)
[Urinary excretion of estrogens in healthy females during puberty] Lobanova LA, et al.
Vopr Okhr Materin Det 17:36-8, Nov 72 (Eng. Abstr.) (Rus)
[Method for the determination of standards of sexual maturation by a combination of secondary signs] Ulanova LN.
Vopr Okhr Materin Det 17:83, Oct 72 (Rus)
[Risk for mother and child in adolescent pregnancy] Mičko I. Cesk Gynekol 38:187-9, Apr 73 (Slo)
[Effective psychotropic substances and adolescent delinquency] Dobrotka G, et al.
Cesk Patol 9:6-10, Feb 73 (Slo)

DRUG EFFECTS

Onset of puberty in the immature female rat induced by 5 -androstane-3 ,17 -diol. Eckstein B, et al.
Endocrinology 92:941-5, Mar 73
Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice. Talamantes F, et al.
Tex Rep Biol Med 30:361-9, Winter 72

SEX CHROMATIN

Value of fluorescent Y chromosome and sex chromatin tests. Vakil DV, et al.
Acta Cytol (Baltimore) 17:220-3, May-Jun 73
Isochromosome for the short arm of X, a human 46, XXpi syndrome. De la Chapelle A, et al.
Ann Hum Genet 36:79-87, Jul 72
Y bodies and similar fluorescent chromocentres in human tumours including teratomata. Atkin NB.
Br J Cancer 27:183-9, Feb 73
Interphasal Y chromatin. Hübner H, et al.
Bull Acad Pol Sci [Biol] 21:203-7, 1973
Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Schneider E, et al.
Chromosoma 41:167-73, 1973
Turner-phenotype in males. Nielsen J, et al.
Clin Genet 4:58-63, 1973
Human genetics in Poland. Horst A.
Hum Biol 45:5-21, Feb 73 (151 ref.)
Variable sex chromatin pattern in an early carcinoma of the bladder. Atkin NB, et al.
J Clin Pathol 26:126-9, Feb 73
Human dicentric Y chromosomes. Case report and review of the literature. Coben MM, et al.
J Med Genet 10:74-9, Mar 73
Human genetics. Hirschhorn K.
JAMA 224:597-604, 30 Apr 73
Y-fluorescence in formalin-fixed tissues. Khudr G, et al.
Lancet 1:769-70, 7 Apr 73
Fetal origin of x-cells in human placental septa and basal plate. Maidman JE, et al.
Obstet Gynecol 41:547-52, Apr 73
Detection of Y chromatin and Barr bodies in histological sections by quinacrine fluorescence. Kovács M, et al. Stain Technol 48:94-6, Mar 73
Failure of endothelial repopulation to explain prolonged renal allograft survival. Sinclair RA.
Transplant Proc 5:125-8, Mar 73
[Sexchromatin and fluorescent bodies in the buccal smears of 1,000 newborns] Golob E, et al.
Geburtshilfe Frauenheilkd 33:86-92, Feb 73 (Eng. Abstr.) (Ger)
[A study on fluorescent barr body (X-chromatin) and fluorescent body (Y-chromatin) staining with quinacrine] Torii T.
Jap J Urol 63:1016-38, Dec 72 (Eng. Abstr.) (Jap)
[Study of sex chromatin in familial oligophrenia] Bochenkova IaK.
Zh Nevropatol Psikhiatr 72:1361-5, 1972 (Eng. Abstr.) (Rus)

ANALYSIS

X inactivation in man: a woman with t(Xq-;12q+). Sarto GE, et al. Am J Hum Genet 25:262-70, May 73
The use of fluorescence techniques for the recognition of mammalian chromosomes and chromosome regions. Caspersson T, et al.
Int Rev Exp Pathol 11:1-72, 1972 (127 ref.)
Testicular feminisation and inguinal hernia. German J, et al. Lancet 808:891, 21 Apr 73
Delayed puberty. Price WH.
Nurs Mirror 136:16-20, 20 Apr 73
Endothelial changes associated with hyperacute, acute, and chronic renal allograft rejection in man. Williams GM, et al. Transplant Proc 5:819-22, Mar 73
[The mechanism of action of exchange transfusion in radiation disease] Decheva Z, et al.
Eksp Med Morfol 11:226-31, 1972 (Eng. Abstr.) (Bul)
[Sex determination of the intrauterine fetus by demonstration of the fluorescent Y-body in amnion cells] László J, et al.
Zentralbl Gynaekol 94:1534-8, 11 Nov 72 (Ger)
[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

SEX CHROMOSOMES

Fetal sex determination. Adams C, et al.
Acta Cytol (Baltimore) 17:233-6, May-Jun 73
Value of fluorescent Y chromosome and sex chromatin tests. Vakil DV, et al.
Acta Cytol (Baltimore) 17:220-3, May-Jun 73
Quantification of human seminiferous epithelium. 3. Histological studies in 44 infertile men with normal chromosome complements. Skakkebaek NE, et al.
Acta Pathol Microbiol Scand [A] 81:97-111, Mar 73
Sex chromosome mosaicism in secondary amenorrhea and oligomenorrhea. Dewhurst CJ, et al.
Am J Obstet Gynecol 115:1163, 15 Apr 73
45,X lymphocyte karyotype in a fertile woman. Grace HJ, et al. Am J Obstet Gynecol 115:279-82, 15 Jan 73
The frequency of meiotic primary nondisjunction of the large autosomes in Drosophila melanogaster. A preliminary report. Würgler FE, et al.
Arch Genet (Zur) 45:126-8, 1972
Y bodies and similar fluorescent chromocentres in human tumours including teratomata. Atkin NB.
Br J Cancer 27:183-9, Feb 73
Capsular exfoliation syndrome. Sood GC, et al.
Br J Ophthalmol 57:120-4, Feb 73
Inheritance of hyperthyroidism.
Br Med J 2:5-6, 7 Apr 73
Sex-linked translocations, semisterility and linkage alterations in the mosquito Aedes aegypti. Bhalla SC.
Can J Genet Cytol 15:9-20, Mar 73
In situ localization and characterization of different classes of chromosomal DNA: acridine orange and quinacrine mustard fluorescence. Chapelle A de la, et al. Chromosoma 40:347-60, 1973
The chromosomes of CHO, an aneuploid Chinese hamster cell line: G-band, C-band, and

autoradiographic analyses. Deaven LL, et al. Chromosoma 41:129-44, 1973

Influence of autosome movements and of sex-chromosome movements on sex-chromosome segregation in crane fly spermatocytes. Forer A, et al. Chromosoma 40:417-42, 1973

Tandem duplications in Drosophila melanogaster. I. Interchromosomal effects of a heterozygous tandem duplication. Kalisch WE. Chromosoma 41:237-42, 1973

Chromosome studies of a fertile mammalian hybrid: the offspring of the cross hongo x sitatunga (Bovoldea). Koulischer L, et al. Chromosoma 41:265-70, 1973

Dosage compensation in Drosophila melanogaster triploids. I. Autoradiographic study. Maroni G, et al. Chromosoma 40:361-77, 1973

High resolution studies on the pattern of induced exchanges in the human karyotype. Seabright M. Chromosoma 40:333-46, 1973

Variation of constitutive heterochromatin in the sex chromosomes of the rodent Bandicota hengalensis hengalensis (Gray). Sharma T, et al. Chromosoma 41:75-84, 1973

Chromosomal banding pattern and idiogram of the cotton rat, Sigmodon arizonae (Rodentia, Muridae). Zimmerman EG, et al. Chromosoma 41:85-91, 1973

Turner-phenotype in males. Nielsen J, et al. Clin Genet 4:58-63, 1973

An adult male with XYYY sex chromosomes. Ridler MA, et al. Clin Genet 4:69-77, 1973

X-chromosomes and human development. Barlow PW. Dev Med Child Neurol 15:205-8, Apr 73

Natural heteroagglutinins of the mouse. A comparative study of anti-sheep and anti-human red blood cell agglutinin system. Ramos A, et al. Folia Biol (Praha) 19:81-8, 1973

A meiotic mutant defective in distributive disjunction in Drosophila melanogaster. Carpenter AT. Genetics 73:393-428, Mar 73

Regulation of gene function: a comparison of X-linked enzyme activity levels in normal and intersexual triploids of Drosophila melanogaster. Lucchesi JC, et al. Genetics 73:459-64, Mar 73

Chromosome investigation in married couples with repeated spontaneous abortions. Käosaar ME, et al. Humangenetik 17:277-83, 1973

Inherent inability of chronic lymphocytic leukaemia lymphocytes to respond to phytohaemagglutinin. Robbins JH, et al. Int Arch Allergy Appl Immunol 43:845-58, 1972

The use of fluorescence techniques for the recognition of mammalian chromosomes and chromosome regions. Caspersson T, et al. Int Rev Exp Pathol 11:1-72, 1972 (127 ref.)

The development of eggs produced by the female-sterile mutant almondex of Drosophila melanogaster. Shannon MP. J Exp Zool 183:383-400, Mar 73

The implications of prevention and treatment of inherited disease for the genetic future of mankind. Fraser GR. J Genet Hum 20:185-205, Sep 72

Genetics of rose, an allele of the white locus in a mosquito. Baker RH, et al. J Hered 64:19-23, Jan-Feb 73

The genetics of the immune response to a synthetic double-stranded RNA in a mutant CBA mouse strain. Scher I, et al. J Immunol 110:1396-401, May 73

Gynandromorphism in Aedes triseriatus (Say). Ezenwa AO, et al. J Med Entomol 10:52, 31 Jan 73

Evolutionary changes in the banding patterns of salivary gland chromosomes in the genus Anopheles, subgenus Cellia. Narang N, et al. J Med Entomol 10:13-22, 31 Jan 73

Human dicentric Y chromosomes. Case report and review of the literature. Cohen MM, et al. J Med Genet 10:74-9, Mar 73

Possible linkage between Xg and the locus for a gene causing mental retardation with or without hydrocephalus. Fried K, et al. J Med Genet 10:17-8, Mar 73

A 48,XYYY male: a somatic and psychiatric description. Hunter H, et al. J Med Genet 10:80-3, Mar 73

Segregation ratios in Alport's syndrome. MacNeill E, et al. J Med Genet 10:23-6, Mar 73

Cytogenetics of ticks (Acari: Ixodoidea). II. Chromosomes of Argas radiatus Railliet and Argas sanchezi Dugès (Argasidae) with notes on spermatogenesis and hybridization. Homsher PJ, et al. J Parasitol 59:375-8, Apr 73

Agenesis of the penis. Lisa L, et al. J Pediatr Surg 8:327-8, Apr 73

Post-fertilization maternal effects on sperm dimensions of inbred mouse strains. Pant KP, et al. J Reprod Fertil 33:175-7, Apr 73

Migration of Y-bearing human spermatozoa in cervical mucus. Rohde W, et al. J Reprod Fertil 33:167-9, Apr 73

Abnormality of separate subunits of factor VIII? Bennett E. Lancet 808:885-6, 21 Apr 73

Reverse banding in the human Y chromosome. Bühler EM, et al. Lancet 813:1178-9, 23 May 73

Interchromosomal fibres in human male meiotic chromosomes. Chen AT. Lancet 1:828, 14 Apr 73

The missing Y chromosome and human leukaemia. Pierre RV, et al. Lancet 1:1008-9, 5 May 73

The missing Y chromosome and human leukaemia. Sandberg AA, et al. Lancet 1:375, 17 Feb 73

Sideroblastic anemias. An approach to diagnosis and management. Sullivan AL, et al. Med Clin North Am 57:335-42, Mar 73 (40 ref.)

Ichthyosis. Herman PS. Med J Aust 1:617, 24 Mar 73

The recovery, penetrance, and pleiotropy of X-linked, cold sensitive mutants in Drosophila. Wright TR. Mol Gen Genet 122:101-18, 12 Apr 73

Hunter syndrome in girl. Punnett HH. N Engl J Med 288:856, 19 Apr 73

Comparison between mice chimaeric and heterozygous for the X-linked gene tabby. McLaren A, et al. Nature 241:180-3, 19 Jan 73

Differential under-replication of satellite DNAs during Drosophila development. Blumenfeld M, et al. Nature [New Biol] 239:170-2, 11 Oct 72

X-chromosome inactivation: does it occur at the same time in all cells of the embryo? Deol MS, et al. Nature [New Biol] 240:277-9, 27 Dec 72

Two genetic types of normal colour vision? Metz JW, et al. Nature [New Biol] 242:190, 11 Apr 73

Diploid and heteroploid human cell lines surveyed for Y chromosome fluorescence. Peterson WD Jr, et al. Nature [New Biol] 242:22-4, 7 Mar 73

Assignment of nucleoside phosphorylase to D-14 and localization of X-linked loci in man by somatic cell genetics. Ricciuti F, et al. Nature [New Biol] 241:180-2, 7 Feb 73

Cell autonomous lethals in Drosophila melanogaster. Ripoll P, et al. Nature [New Biol] 241:15-6, 3 Jan 73

Maternal age dependence of chromosome anomalies. Yamamoto M, et al. Nature [New Biol] 241:141-2, 31 Jan 73

Menkes's kinky hair syndrome. Nutr Rev 31:17, Jan 73 (7 ref.)

Unusual abnormal X chromosome in hyperthyroidism and Turner's syndrome. Chang JC, et al. NY State J Med 73:1101-4, 1 May 73

X-linked epidermolysis bullosa (Mendes da Costa), poikiloderma, retarded growth. Pegum JS, et al. Proc R Soc Med 66:234-6, Mar 73

Diploid cell lines from subhuman primates as substrates for virus vaccine production. Wallace RE, et al. Prog Immunobiol Stand 5:181-6, 1972

Chromosomes of SA7 transformed hamster cells. II. Studies on unmatched chromosomes. Bey EM, et al. S Afr J Med Sci 37:39-46, Jul 72

Detection of Y chromatin and Barr bodies in histological sections by quinacrine fluorescence. Kovács M, et al. Stain Technol 48:94-6, Mar 73

The cellular basis of transplantation tolerance. Elkins WL. Transplant Proc 5:685-9, Mar 73

Serologic detection of a male-specific cell membrane antigen in the rat. Hausman SJ, et al. Transplant Proc 5:307-10, Mar 73

Parameters of allogeneic unresponsiveness in canine radiation chimerae, with particular reference to the possible existence of three closely linked genetic systems relevant to bone marrow transplantation. Rapaport FT, et al. Transplant Proc 5:845-52, Mar 73

Allogeneic marrow grafting for acute lymphoblastic leukemia: leukemic relapse. Storb R, et al. Transplant Proc 5:923-6, Mar 73

An association between H-2 and the expressivity of H-Y in murine skin grafts. Wachtel SS, et al. Transplant Proc 5:295-8, Mar 73

Chromosomes and evolution. Matthey R. Triangle 11:107-12, 1972

[The selective effect of therapeutic abortion when children thus eliminated are carriers of a recessive autosomic or x-chromosome-linked defect] Pfändler U, et al. J Genet Hum 20:135-50, Jun 72 (Eng. Abstr.) (Fre)

[Chromosome mosaics 47, XYY-45, XO. 2 cases with different sex] Gilgenkrantz S, et al. Nouv Presse Med 2:563-7, 3 Mar 73 (Eng. Abstr.) (Fre)

[Atypical Klinefelter's syndrome with XXXY-chromosomes] Kurschat G, et al. Andrologie 4:269-75, 1972 (Eng. Abstr.) (Ger)
[Heterochromatin, fluorescence and structure anomalies of Y-chromosome] Bühler EM, et al. Arch Genet (Zur) 45:27-34, 1972 (Eng. Abstr.) (Ger)
[Complementary DNA replication patterns in Drosophila melanogaster] Hägele K. Chromosoma 41:231-6, 1973 (Eng. Abstr.) (Ger)
[Ultrastructural distinctive features of autosomal dominant ichthyosis vulgaris and X-linked recessive ichthyosis] Anton-Lamprecht I, et al. Dermatologica 145:60-4, 1972 (Eng. Abstr.) (Ger)
[Problem and methodology in human genetics research in the scope of orthodontics--II] Schulze C. Dtsch Zahnaerztl Z 28:474-80 contd, Apr 73 (Ger)
[Clinical, erythrokinetic and metabolic aspects of congenital hemolytic non-spherocytic anemia due to erythrocytic glucose-6-phosphate dehydrogenase deficiency] Mandelli F, et al. Recent Prog Med (Roma) 54:23-43, Jan 73 (Eng. Abstr.) (Ita)
[Sex-linked (X-linked) heredity in mental and neurological diseases] Predo'scu V, et al. Neurol Psihiatr Neurochir 17:441-52, Sep-Oct 72 (Eng. Abstr.) (Rum)
[Mixed gonadal dysgenesis with malignant tumor of the testis] Puharić I, et al. Lijec Vjesn 94:340-3, Jul 72 (Eng. Abstr.) (Cro)

ANALYSIS

Clinical cytogenetics. Dawn breaks on a new era. Hecht F, et al. Am J Dis Child 125:319-21, Mar 73
The phylogenetic relationships of the members of the Drosophila robusta group. Narayanan Y. Genetics 73:319-50, Feb 73
[Diagnostic evaluation of patients with intersexuality] Hudcovič A. Cesk Gynekol 38:163-4, Apr 73 (Slo)

DRUG EFFECTS

Puffing in salivary gland chromosomes of picture-winged Hawaiian Drosophila. Raikow RB. Chromosoma 41:221-30, 1973
Influence of sex-linked genes on embryonic sensitivity to cortisone in three strains of mice. Francis BM. Teratology 7:119-25, Apr 72

ENZYMOLOGY

Diploid and heteroploid human cell lines surveyed for Y chromosome fluorescence. Peterson WD Jr, et al. Nature [New Biol] 242:22-4, 7 Mar 73

RADIATION EFFECTS

The role of Drosophila in the field of mutation research. Sobels FH. Arch Genet (Zur) 45:101-25, 1972
Observations concerning the effects of radiations on the segregation of chromosomes. Parker DR, et al. Mutat Res 18:33-46, Apr 73

SEX DETERMINATION

Fetal sex determination. Adams C, et al. Acta Cytol (Baltimore) 17:233-6, May-Jun 73
Germ-free delivery. The initiation of management of infants with a high probability of congenital immune deficiency states. Malinak LR, et al. Am J Obstet Gynecol 116:201-4, 15 May 73
Y-fluorescence in formalin-fixed tissues. Khudr G, et al. Lancet 1:769-70, 7 Apr 73
Error in prenatal sex determination. Perry TB, et al. Lancet 1:371, 17 Feb 73
Gender identity problems in the sexually ambiguous child. Buchanan B, et al. Mo Med 70:227-9, Apr 73
Maternal age dependence of chromosome anomalies. Yamamoto M, et al. Nature [New Biol] 241:141-2, 31 Jan 73
[Association of sexual ambiguity and hypopituitarism] Chaussain JL, et al. Arch Fr Pediatr 29:890, Oct 72 (Fre)
[Heterochromatin, fluorescence and structure anomalies of Y-chromosome] Bühler EM, et al. Arch Genet (Zur) 45:27-34, 1972 (Eng. Abstr.) (Ger)
[Sexchromatin and fluorescent bodies in the buccal smears of 1,000 newborns] Golob E, et al. Geburtshilfe Frauenheilkd 33:86-92, Feb 73 (Eng. Abstr.) (Ger)
[Forensic osteology. 3. Determination of individual age by means of skull cap thickness, with special reference to hyperostosis frontalis interna (Morgagni-Henschen)] Schmitt HP, et al. Z Rechtsmed 72:40-9, 1973 (Eng. Abstr.) (Ger)
[Perinatal genetic counseling] Cervenka J, et al. Zentralbl Gynaekol 94:1547-8, 11 Nov 72 (Ger)
[Sex determination of the intrauterine fetus by demonstration of the fluorescent Y-body in amnion cells] László J, et al. Zentralbl Gynaekol 94:1534-8, 11 Nov 72 (Ger)
[Therapy in male hermaphroditism] Boczkowski K. Ginekol Pol 44:353-5, Apr 73 (Pol)

PLACENTA

1. Physical and Functional Aspects

PLACENTA

ANALYSIS

Aging of the placenta: autoimmune theory of senescence. Burstein R, et al.
Am J Obstet Gynecol 116:271-6, 15 May 73

Immunosuppression during pregnancy: transmission of azathioprine and its metabolites from the mother to the fetus. Saarikoski S, et al.
Am J Obstet Gynecol 115:1100-6, 15 Apr 73

Placental dimensions, cell size, and cell number in erythroblastosis fetalis. Vidyasagar D, et al.
Am J Obstet Gynecol 115:267-70, 15 Jan 73

Transcription of chromatin by human RNA polymerase. Tsai MJ, et al.
Biochem Biophys Res Commun 51:756-65, 2 Apr 73

Gonadotrophin concentrations in the placentae of man, the rhesus monkey and the marmoset. Hobson BM.
Folia Primatol (Basel) 18:35-40, 1972

Inhibition of DNA synthesis by an extract from human placenta. Baden HP. J Natl Cancer Inst 50:43-8, Jan 73

Total water content and chloride concentration in embryo, placenta and decidua in the course of early human pregnancy. Gellén J, et al.
J Obstet Gynaecol Br Commonw 80:329-32, Apr 73

Homology between RNA from human malignant breast tissue and DNA synthesized by milk particles. Das MR, et al. Nature [New Biol] 239:92-5, 20 Sep 72

Evidence for Mg 2+ -dependent, Na + + K + -activated ATPase and Ca 2+ -ATPase in the human term placenta. Miller RK, et al.
Proc Soc Exp Biol Med 143:118-22, May 73

[Quantitative determination of various constituents in placental villi] Geri D, et al.
Zentralbl Gynaekol 95:8-11, 5 Jan 73 (Ger)

[Behavior of some elements of human placenta in prolonged pregnancy] Sward J.
Wiad Lek 26:673-7, 1 Apr 73 (Pol)

[Vitamins C, PP and B-6 in the blood and placenta in the developmental dynamics of pregnancy and labor normally and in obstetrical pathology] Ganich MM.
Pediatriia 52:38-42, Feb 73 (Ukr)

ENZYMOLOGY

Effect of lysozyme from human placenta on ectromelia virus. Arimura H. Acta Virol (Praha) 17:130-7, Mar 73

Profiles of alkaline phosphatase isoenzymes in serum using cellulose acetate electrophoresis and organ-specific inhibitors. Rhone DP, et al.
Am J Clin Pathol 59:531-41, Apr 73

Chemical composition of placenta in pregnancies with small-for-date infants. Iyengar L.
Am J Obstet Gynecol 116:66-70, 1 May 73

Quantitation of potency of antisera to placental alkaline phosphatase by an automated immunoenzyme technique. Fishman WH, et al.
Anal Biochem 51:368-82, Feb 73

'Secondary' isoenzymes derived from the three PGM loci. Fisher RA, et al. Ann Hum Genet 36:69-77, Jul 72

A search for electrophoretic variants of human adenine phosphoribosyl transferase. Mowbray S, et al.
Ann Hum Genet 36:153-62, Nov 72

A new variant of the placental acid phosphatases: its implications regarding their subunit structures and genetical determination. Swallow DM, et al.
Ann Hum Genet 36:141-52, Nov 72

Studies on hormonal induction of alkaline phosphatase in HeLa cell cultures. Kinetic, thermodynamic and electrophoretic properties of induced and base-level enzymes. Ghosh NK, et al.
Biochim Biophys Acta 286:175-85, 24 Nov 72

Electrophoretic heterogeneity of human -mannosidase. Poenaru L, et al.
Biochim Biophys Acta 303:171-4, 23 Mar 73

Low magnitude transformation of estradiol to estrone in human endometrium. Sweat ML, et al.
Biochim Biophys Acta 296:189-95, 19 Jan 73

Automated determination of serum cystine aminopeptidase. Watson D, et al.
Clin Biochem 6:60-1, Mar 73

Human glutamine phosphoribosylpyrophosphate amidotransferase. Kinetic and regulatory properties. Holmes EW, et al. J Biol Chem 248:144-50, 10 Jan 73

A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73

Inverse correlation between aryl hydrocarbon hydroxylase activity and conversion of cholesterol to pregnenolone in human placentas at term. Juchau MR, et al. Life Sci [II] 11:949-56, 8 Oct 72

Thiophosphorylation of alkaline phosphatase. Fernley HN. Nature [New Biol] 241:110-1, 24 Jan 73

Comparative evaluation of oxytocinase and leucine amino peptidase during normal pregnancy. Floyd WS, et al. Obstet Gynecol 41:553-5, Apr 73

Evidence for Mg 2+ -dependent, Na + + K + -activated ATPase and Ca 2+ -ATPase in the human term placenta. Miller RK, et al.
Proc Soc Exp Biol Med 143:118-22, May 73

Heparin-induced increase of diamine oxidase-histaminase(EC 1.4.3.6.) in blood and lymph. Hansson R.
Scand J Clin Lab Invest 31:Suppl 129:1-23, 1973

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al.
Steroids Lipids Res 3:101-9, 1972

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972

Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972

[Basal plate of the mature human placenta. 3. Connective tissue and decidua cells] Stark J, et al.
Arch Gynaekol 213:398-417, 21 Mar 73 (Eng. Abstr.) (Ger)

[Glucose-6-phosphate dehydrogenase inhibition by steroids. 5. Influence of placental glucose-6-phosphate dehydrogenase activity on 7 - 3 H-dehydroepiandrosterone metabolism] Benes P, et al. Endokrinologie 60:340-6, 1972 (Eng. Abstr.) (Ger)

[Inhibition of glucose-6-phosphate dehydrogenase by steroids. 7. Influence of placental G-6-PDH activity on estrogen synthesis from 7-alpha-3H-DHEA, 7-alpha-3H-DHEA sulfate or 7-alpha-3H-DHEA sulfatide] Hoffmann G, et al.
Endokrinologie 61:124-31, 1973 (Eng. Abstr.) (Ger)

[Occurrence of a RNA-dependent DNA-polymerase in human placenta] Rainer H, et al.
Klin Wochenschr 51:41-2, Jan 73 (Eng. Abstr.) (Ger)

[Acid phosphatases, their heterogeneity, structure and properties] Kubicz A.
Postepy Biochem 19:37-54, 1973 (Eng. Abstr.) (Pol)

[Behavior of some elements of human placenta in prolonged pregnancy] Sward J.
Wiad Lek 26:673-7, 1 Apr 73 (Pol)

PLACENTA

Placental proteolytic enzyme activity and some protein metabolism indices in late pregnancy toxicoses] Tishchenko VK, et al.
Pediatr Akush Ginekol 1:38-40, 1973 (Ukr)

METABOLISM

Studies on the metabolism of C 19 steroids in the foeto-placental unit. 6. Formation and metabolism of testosterone sulphate in the intact foeto-placental unit. Ermini M, et al.
Acta Endocrinol (Kbh) 72:786-800, Apr 73
The biological fate of decamethonium. In vivo and in vitro studies. Christensen CB.
Acta Pharmacol Toxicol [Suppl] (Kbh) 3:3-62, 1972 (105 ref.)
Chemical composition of placenta in pregnancies with small-for-date infants. Iyengar L.
Am J Obstet Gynecol 116:66-70, 1 May 73
Transfer across the perfused human placenta of antipyrine, sodium and leucine. Schneider H, et al.
Am J Obstet Gynecol 114:822-8, 15 Nov 72
Triglyceride synthesis by the human placenta. I. Incorporation of labeled palmitate into placental triglycerides. Szabo AJ, et al.
Am J Obstet Gynecol 115:257-62, 15 Jan 73
Triglyceride synthesis by the human placenta. II. The effect of cyanide and fluoride on the incorporation of labeled palmitate into placental triglycerides. Szabo AJ, et al. Am J Obstet Gynecol 115:263-6, 15 Jan 73
Attempts to induce drug metabolism in human fetal liver and placenta by the administration of phenobarbital to mothers. Pelkonen O, et al.
Arch Int Pharmacodyn Ther 202:288-97, Apr 73
De novo synthesis of choiesteryl esters in previable human foetuses. Cekan Z, et al.
Biochim Biophys Acta 296:196-202, 19 Jan 73
The permeability of the sheep placenta to insulin: studies with the perfused placental preparation. Alexander DP, et al. Biol Neonate 21:361-8, 1972
Observations on the epidemiology of simple hypospadias. Roberts CJ, et al.
Br Med J 1:768-70, 31 Mar 73
Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al.
Endocrinology 92:866-80, Mar 73
Formation of progesterone and pregnenolone from (4-14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro. Baird DT, et al.
J Endocrinol 56:187-202, Feb 73
[Oestrogen synthesis from (4- 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. Milewich L, et al. J Endocrinol 56:227-33, Feb 73
The reversibility of the effects of hypoxia on hydroxysteroid dehydrogenase (HSD) activity in placental villi maintained in organ culture. Sharp F, et al. J Obstet Gynaecol Br Commonw 80:325-8, Apr 73
Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
Placental transmission and fetal distribution of clioquinol. Ogata M, et al. Lancet 809:938-9, 28 Apr 73
Drug biotransformation reactions in the human fetal adrenal gland. Juchau MR, et al.
Life Sci [II] 12:193-204, 8 Mar 73
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. I. Androgenic derivatives. Mirhom YW, et al. Steroids Lipids Res 3:160-9, 1972
Kinetic study of the metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Szontágh FE, et al. Steroids Lipids Res 3:170-7, 1972
Oxidative drug metabolism in the perinatal rabbit liver and placenta. A biochemical and morphologic study. Rane A, et al. Xenobiotica 3:37-48, Jan 73
[Glyogen in the placenta and pig fetal tissues in the last third of intrauterine life] Padalíková D, et al. Vet Med (Praha) 17:649-55, 1972 (Eng. Abstr.) (Cze)
[Effect of oxygen concentration and incubation time on the oxygen consumption and anaerobe glycolysis of the human placenta] Csaba I, et al.
Z Geburtshilfe Perinatol 177:54-7, Feb 73 (Eng. Abstr.) (Ger)
[Placental passage of doicontral and its influence on the newborn infant] Peiker G, et al.
Zentralbl Gynaekol 95:93-7, 19 Jan 73 (Ger)
[Intrauterine placentography using ultrasonics and placental function] Prenzlau P, et al.
Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)
[Erythropoietic activity of human placenta] Bielecki M, et al. Ginekol Pol 44:291-4, Mar 73 (Eng. Abstr.) (Pol)
[Glycogen biosynthesis in human placenta tissues at various periods in normal gestation] Jóźwik M, et al. Ginekol Pol 44:357-62, Apr 73 (Eng. Abstr.) (Pol)
[Endocrinology of pregnancy (review of the literature)] Manuilova IA, et al.
Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)
[The dynamics of pyruvic and lactic acid accumulation in the blood of pregnant women and fetuses and tissues of the uterus and placenta; the state of blood acid-base equilibrium in mother and fetus] Baksheev MS, et al. Pediatr Akush Ginekol 5:33-8, Oct 72 (Ukr)
[The morphology of the placenta and the concentration of copper and manganese in the afterbirth following late toxemia of pregnancy] Zhupanenko TI.
Pediatr Akush Ginekol 1:44-6, Jan-Feb 72 (Ukr)

PHYSIOLOGY

Effects of placental lesions on foetal growth in rats. Gammal EB. Experientia 29:201-3, 15 Feb 73
Plasma oestriol concentration during normal pregnancy. Masson GM.
J Obstet Gynaecol Br Commonw 80:201-5, Mar 73
Endometrial differentiation in the pregnant sow and the necrotic tips of the allantochorion. Flood PF.
J Reprod Fertil 32:539-43, Mar 73
Transfer across perfused human placenta. II. Free fatty acids. Dancis J, et al. Pediatr Res 7:192-7, Apr 73
On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al.
Prostaglandins 1:158-65, Feb 72
[Diagnosis of placenta insufficiency and placental function using radioisotopes] Janisch H, et al.
Z Geburtshilfe Perinatol 177:11-8, Feb 73 (Eng. Abstr.) (Ger)
[Intrauterine placentography using ultrasonics and placental function] Prenzlau P, et al.
Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)
[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)
[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)
[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
[The role of functional morphology in studying human reproduction] Kalashnikova EP.
Vestn Akad Med Nauk SSSR 27:43-9, Nov 72 (Eng. Abstr.) (Rus)
[Ways to study the functional state of the human placenta] Vasilevskaia NL, et al.
Vestn Akad Med Nauk SSSR 27:30-7, Nov 72 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

The placenta--an environmental problem. Scott JM.
Br Med J 1:800, 31 Mar 73
Listeric abortion studies in sheep. 3. Feto-placental-myometrial interaction. Njoku CO, et al. Cornell Vet 63:193-210, Apr 73
Fetal growth and placental function in patients with placenta praevia. Varma TR.
J Obstet Gynaecol Br Commonw 80:311-5, Apr 73
[Placental morphology, histochemistry and tissue respiration in hypertensive disease] Zadorozhnaia TD, et al. Pediatr Akush Ginekol 6:52-5, 1972 (Ukr)

II. Disorders of the Placenta

CHORIOADENOMA

DRUG THERAPY

[Treatment of choriocarcinoma and chorioadenoma destruens with high dosage chemotherapy] Chin Med J 3:101-9, 1973 (Eng. Abstr.) (Chi)

OCCURRENCE

[Trophoblastic disorders in Israel] Matalon M, et al. Harefuah 83:566-8, 15 Dec 72 (Eng. Abstr.) (Heb)

CHORIOCARCINOMA

Regain of biological activity of gonadotropin from choriocarcinoma. Inouye T, et al. Am J Obstet Gynecol 115:186-92, 15 Jan 73

BLOOD

Radioimmunoassay of maternal serum -fetoprotein associated with pregnancy. Ishiguro T, et al. Am J Obstet Gynecol 116:27-33, 1 May 73

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. J Clin Endocrinol Metab 36:817-25, May 73

COMPLICATIONS

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

DIAGNOSIS

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

[Clinical value of luteonosticon test] Hohlweg W. Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)

[Ovarian tumors in children] Graff G, et al. Harefuah 83:568-70, 15 Dec 72 (Eng. Abstr.) (Heb)

DRUG THERAPY

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

[Treatment of choriocarcinoma and chorioadenoma destruens with high dosage chemotherapy] Chin Med J 3:101-9, 1973 (Eng. Abstr.) (Chi)

[Therapy of the most important male genital carcinomas] Feustel A. Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)

[Chrionic epithelioma with metastases to lungs and vagina] Zamello J, et al. Przegl Lek 30:333-4, 1973 (Pol)

[Results of cooperative clinical studies of the antineoplastic antibiotic dactinomycin] Titlevskaia VV, et al. Antibiotiki 17:953-8, Oct 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

New forms of amino acid naphthylamidase in pregnancy. Smith EE. Biochem Med 7:253-6, Apr 73

IMMUNOLOGY

Cytotoxic lymphocytes in melanoma patients. Faucault JP, et al. Int J Cancer 9:567-76, 15 May 72

Malignant tumours and immunity. Schuler D. Ther Hung 20:83-90, 1972 (59 ref.)

[Histocompatibility antigens and trophoblastic tumors] Tatra G, et al. Arch Gynaekol 213:341-51, 21 Mar 73 (Eng. Abstr.) (Ger)

MORTALITY

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

OCCURRENCE

[Tropboblastic disorders in Istael] Matalon M, et al. Harefuah 83:566-8, 15 Dec 72 (Eng. Abstr.) (Heb)

PATHOLOGY

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

PHYSIOPATHOLOGY

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

RADIOGRAPHY

Choriocarcinoma. Aspects of the clinical pathology. Kittredge RD. Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73

RADIOTHERAPY

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

[Change in peripheral blood lymphocytes with radiotherapy] Kozinets GI, et al. Med Radiol (Mosk) 17:11-6, Nov 72 (Eng. Abstr.) (Rus)

SURGERY

Radioimmunoassay follow-up of hydatidiform mole. Tow WS. Br Med J 2:49, 7 Apr 73

Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma. Bradfield JS, et al. Cancer 31:633-40, Mar 73

THERAPY

Malignant gynecologic tumors in children: current approaches to trestment. Smith JP, et al. Am J Obstet Gynecol 116:261-70, 15 May 73

[Incidence and forms of metastatic chorioepithelioma in the lungs and its treatment] Kaiukova TN. Vrach Delo 10:91-4, Oct 72 (Rus)

URINE

Regain of biological activity of gonadotropin from choriocarcinoma. Inouye T, et al. Am J Obstet Gynecol 115:186-92, 15 Jan 73

HYDATIDIFORM MOLE

Radioimmunoassay follow-up of hydatidiform mole. Bagshawe KD. Br Med J 2:241, 28 Apr 73

[Hydatidiform mole (survey of the literature)] Kulavskiĭ VA. Vopr Okhr Materin Det 17:78-80, Oct 72 (Rus)

[Molar and interposed normal pregnancies] Jovašević

A, et al.
Srp Arh Celok Lek 100:557-61, Apr-May 73 (Ser)

BLOOD

[Histocompatibility antigens and trophoblastic tumors] Tatra G, et al.
Arch Gynaekol 213:341-51, 21 Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Analysis of products of conception. Burton WY Jr.
Am J Obstet Gynecol 115:1163, 15 Apr 73
An alternative in trophoblastic disease follow-up. Scheer KI, et al.
Am J Obstet Gynecol 114:838-40, 15 Nov 72
Diagnostic applications of ultrasound in obstetrics: a review. Bates GW.
J Tenn Med Assoc 66:329-32, Apr 73 (20 ref.)
[Clinical value of luteonosticon test] Hohlweg W.
Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)
[Ultrasonic diagnosis in obstetrics and perinatology] Kratochwil A.
Z Geburtshilfe Perinatol 176:425-38, Dec 72 (Eng. Abstr.) (Ger)
[Molar and interposed normal pregnancies] Jovašević A, et al.
Srp Arh Celok Lek 100:557-61, Apr-May 73 (Ser)

IMMUNOLOGY

[Histocompatibility antigens and trophoblastic tumors] Tatra G, et al.
Arch Gynaekol 213:341-51, 21 Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

Purification and properties of chorionic gonadotrophin from trophoblastic tissue, urine and plasma of a patient with a hydatidiform mole. Pala A, et al.
J Endocrinol 56:441-50, Mar 73

MORTALITY

Radioimmunoassay follow-up of hydatidiform mole. Bagshawe KD. Br Med J 2:241, 28 Apr 73
Radioimmunoassay follow-up of hydatidiform mole. Tow WS. Br Med J 2:49, 7 Apr 73

OCCURRENCE

[Trophoblastic disorders in Israel] Matalon M, et al.
Harefuah 83:566-8, 15 Dec 72 (Eng. Abstr.) (Heb)
[Molar and interposed normal pregnancies] Jovašević A, et al.
Srp Arh Celok Lek 100:557-61, Apr-May 73 (Ser)

PATHOLOGY

Inclusion bodies in cells from a hydatidiform mole. Alvarez A, et al.
Acta Cytol (Baltimore) 17:177-8, May-Jun 73

RADIOGRAPHY

[Amniographic diagnosis of hydatidiform mole] Schwarz R, et al.
Zentralbl Gynaekol 95:145-8, 2 Feb 73 (Ger)

SURGERY

Radioimmunoassay follow-up of hydatidiform mole. Bagshawe KD. Br Med J 2:241, 28 Apr 73
Radioimmunoassay follow-up of hydatidiform mole. Tow WS. Br Med J 2:49, 7 Apr 73

PLACENTA

ABNORMALITIES

[Single umbilical artery. Study of 31 cases] Le Marec B, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:825-41, Dec 72 (Eng. Abstr.) (Fre)

INJURIES

Effects of placental lesions on foetal growth in rats. Gammal EB. Experientia 29:201-3, 15 Feb 73

PLACENTA DISORDERS

Perinatal mortality. Pettersson F, et al.
Acta Paediatr Scand 62:221-30, May 73
Placental lactogen levels in diabetic pregnancy. Ursell W, et al. Br Med J 2:80-2, 14 Apr 73

BLOOD

A comparison of serum cystine aminopeptidase and urinary estrogen excretion as placental function tests. Curzen P, et al.
Am J Obstet Gynecol 115:929-32, 1 Apr 73
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
Leukocytes and fetal malnutrition. Munro HN.
Pediatrics 51:926-8, May 73
[Foetal erythrocytes in maternal blood and immunoprophylaxis of Rh-immunization. Clinical and experimental studies] Bartsch FK.
Acta Obstet Gynecol Scand [Suppl] 20:1-128, 1972 (Eng. Abstr.) (Ger)

COMPLICATIONS

Immunoglobulins in hydrops fetalis. Chiang WT, et al.
Am J Obstet Gynecol 114:816-8, 15 Nov 72
Examination of the recently delivered placenta by phase contrast microscopy. Misenhimer HR.
Am J Obstet Gynecol 114:796-802, 15 Nov 72
Transient neonatal hyperglycaemia in the smaller of twins. Barry RG, et al.
J Ir Med Assoc 66:155-6, 24 Mar 73
Perinatal asphyxia, causes, detection and neurologic sequelae. Adamsons K, et al.
Pediatr Clin North Am 20:465-80, May 73 (19 ref.)
[Single umbilical artery. Study of 31 cases] Le Marec B, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:825-41, Dec 72 (Eng. Abstr.) (Fre)
[Causes of intrauterine fetal death] Gigon U, et al.
Geburtshilfe Frauenheilkd 33:188-93, Mar 73 (Eng. Abstr.) (Ger)
[Cardiotokographic studies in small for date infants] Krause W, et al.
Zentralbl Gynaekol 95:87-92, 19 Jan 73 (Ger)
[Clinical aspects of chronic placental insufficiency] Kyank H, et al.
Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)
[Partial molar transformation of the placenta with a live microcephalic infant] David M, et al.
Harefuah 84:23-5, 1 Jan 73 (Eng. Abstr.) (Heb)

DIAGNOSIS

A comparison of serum cystine aminopeptidase and urinary estrogen excretion as placental function tests. Curzen P, et al.
Am J Obstet Gynecol 115:929-32, 1 Apr 73
Examination of the recently delivered placenta by phase contrast microscopy. Misenhimer HR.
Am J Obstet Gynecol 114:796-802, 15 Nov 72
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
Foetal distress. Gun KM.
J Indian Med Assoc 59:247-8, 16 Sep 72
[Determination of the somatomammotrophic chorionic hormone (or placental lactogen hormone) in the plasma of pregnant women. Its value in cases of fetoplacental hypotrophy] Hubert C, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Eng. Abstr.) (Fre)
[Prenatal determination of fetal maturity] Bolte A, et al. Fortschr Med 91:67-70, 18 Jan 73 (Ger)
[Nuclear-biology and nuclear-medicine studies using radioactive technetium and indium] Hör G.
Fortschr Med 90:1311-4, 21 Dec 72 (Ger)
[Ultrasonic diagnosis] Kratochwil A.
Fortschr Med 91:63-5, 18 Jan 73 (Ger)
[Monitoring the intrauterine skull growth using ultrasonics (the A picture method)] Schnecke D.
Z Aerztl Fortbild (Jena) 67:188-9, 15 Feb 73 (Ger)
[Diagnosis of placenta insufficiency and placental

function using radioisotopes] Janisch H, et al. Z Geburtshilfe Perinatol 177:11-8, Feb 73 (Eng. Abstr.) (Ger)

[Ultrasonic diagnosis in obstetrics and perinatology] Kratochwil A. Z Geburtshilfe Perinatol 176:425-38, Dec 72 (Eng. Abstr.) (Ger)

[Placenta biopsy] Geri D, et al. Zentralbl Gynaekol 95:259-62, 23 Feb 73 (Ger)

[Cardiotokographic studies in small for date infants] Krause W, et al. Zentralbl Gynaekol 95:87-92, 19 Jan 73 (Ger)

[Clinical aspects of chronic placental insufficiency] Kyank H, et al. Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)

[Partial molar transformation of the placenta with a live microcephalic infant] David M, et al. Harefuah 84:23-5, 1 Jan 73 (Eng. Abstr.) (Heb)

[Localization of the placenta by ultrasound] Brodtkorb C. Tidsskr Nor Laegeforen 93:174-6, 30 Jan 73 (Eng. Abstr.) (Nor)

DRUG THERAPY

[Placental function in dilatol therapy] Halle H, et al. Zentralbl Gynaekol 95:267-70, 23 Feb 73 (Ger)

ENZYMOLOGY

A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73

Leukocytes and fetal malnutrition. Munro HN. Pediatrics 51:926-8, May 73

ETIOLOGY

Obstetric complications when the fetus has Potter's syndrome. I. Clinical considerations. Ratten GJ, et al. Am J Obstet Gynecol 115:890-6, 1 Apr 73

[Etiology and pathogenesis of the calcifications of the placenta] Brandt G. Geburtshilfe Frauenheilkd 33:119-24, Feb 73 (Eng. Abstr.) (Ger)

OCCURRENCE

A study of the obstetric performance of the adolescent Jamaican primigravida. Hay DM, et al. Am J Obstet Gynecol 116:34-8, 1 May 73

A study of placental size and chorio-amnionitis in a consecutive series of hospital deliveries. Pryse-Davies J, et al. J Obstet Gynaecol Br Commonw 80:246-51, Mar 73

PATHOLOGY

The placenta--an environmental problem. Scott JM. Br Med J 1:800, 31 Mar 73

Listeric abortion studies in sheep. IV. Histopathologic comparison of natural and experimental infection. Njoku CO, et al. Cornell Vet 63:211-9, Apr 73

A study of placenta in relation to birth weight and gestational age. Gupta SP, et al. Indian J Pediatr 39:281-5, Sep 72

A study of placental size and chorio-amnionitis in a consecutive series of hospital deliveries. Pryse-Davies J, et al. J Obstet Gynaecol Br Commonw 80:246-51, Mar 73

[Etiology and pathogenesis of the calcifications of the placenta] Brandt G. Geburtshilfe Frauenheilkd 33:119-24, Feb 73 (Eng. Abstr.) (Ger)

[Proliferative placental vascular changes, pregnancy and perinatal course in children] Koenig UD, et al. Z Geburtshilfe Perinatol 177:58-64, Feb 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Listeric abortion studies in sheep. 3. Feto-placental-myometrial interaction. Njoku CO, et al. Cornell Vet 63:193-210, Apr 73

PREVENTION & CONTROL

[Active conduction of the placental period] Szemesi I, et al. Acta Chir Acad Sci Hung 13:243-6, 1972 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Ultrasonic diagnosis in obstetrics and perinatology] Kratochwil A. Z Geburtshilfe Perinatol 176:425-38, Dec 72 (Eng. Abstr.) (Ger)

SURGERY

[Localization of the placenta by ultrasound] Brodtkorb C. Tidsskr Nor Laegeforen 93:174-6, 30 Jan 73 (Eng. Abstr.) (Nor)

THERAPY

[Clinical aspects of chronic placental insufficiency] Kyank H, et al. Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)

URINE

A comparison of serum cystine aminopeptidase and urinary estrogen excretion as placental function tests. Curzen P, et al. Am J Obstet Gynecol 115:929-32, 1 Apr 73

VETERINARY

Listeric abortion studies in sheep. 3. Feto-placental-myometrial interaction. Njoku CO, et al. Cornell Vet 63:193-210, Apr 73

Listeric abortion studies in sheep. IV. Histopathologic comparison of natural and experimental infection. Njoku CO, et al. Cornell Vet 63:211-9, Apr 73

TROPHOBLASTIC TUMOR

BLOOD

[Histocompatibility antigens and trophoblastic tumors] Tatra G, et al. Arch Gynaekol 213:341-51, 21 Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

An alternative in tropboblastic disease follow-up. Scheer KI, et al. Am J Obstet Gynecol 114:838-40, 15 Nov 72

[Ultrasonic diagnosis in obstetrics and perinatology] Kratochwil A. Z Geburtshilfe Perinatol 176:425-38, Dec 72 (Eng. Abstr.) (Ger)

DRUG THERAPY

The effect of methotrexate and folinic acid therapy on the platelet count. Shaw MT. Scand J Haematol 10:24-7, 1973

IMMUNOLOGY

[Histocompatibility antigens and tropboblastic tumors] Tatra G, et al. Arch Gynaekol 213:341-51, 21 Mar 73 (Eng. Abstr.) (Ger)

OCCURRENCE

[Tropboblastic disorders in Israel] Matalon M, et al. Harefuah 83:566-8, 15 Dec 72 (Eng. Abstr.) (Heb)

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

GONADOTROPINS, CHORIONIC

Regain of biological activity of gonadotropin from choriocarcinoma. Inouye T, et al.
Am J Obstet Gynecol 115:186-92, 15 Jan 73

Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Bennett WI, et al.
Endocrinology 92:813-21, Mar 73

Immunobiological activity of radiolabeled antihormone antibodies. Mizejewski GJ.
J Reticuloendothel Soc 13:436-48, May 73

Gonadotropic activities of thyrotropic tumors: demonstration by immunohistochemical staining. Furth J, et al.
Proc Soc Exp Biol Med 142:1180-4, Apr 73

[Effect of postnatally injected estradiol or progesterone on testicular function in the rat] Feis E, et al.
Endokrinologie 61:25-31, 1973 (Eng. Abstr.) (Ger)

[Placental lactogen in maternal blood during normal pregnancy] Berle P, et al.
Z Geburtshilfe Perinatol 176:470-3, Dec 72 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Effect of human chorionic gonadotrophin on weight loss, hunger, and feeling of well-being. Asher WL, et al. Am J Clin Nutr 26:211-8, Feb 73

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. Andrologie 4:219-29, 1972

Stimulation of sperm movement from the isthmus to the site of fertilization in the rabbit oviduct. Harper MJ. Biol Reprod 8:362-8, Apr 73

Effect of human chorionic gonadotropin on pregnancy rate of heifers, when used under field conditions. Brown H, et al.
J Am Vet Med Assoc 162:456-7, 15 Mar 73

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al.
J Anim Sci 36:716-21, Apr 73

[Therapeutic aspects in cryptorchism] Banchieri FR.
J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 (Fre)

[Estrus and conception in cattle following cycle synchronization and HCG-administration] Grunert E, et al.
Dtsch Tieraerztl Wochenschr 80:152-4, 1 Apr 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al.
Lancet 1:679-80, 24 Mar 73

Malignant teratoma of testis in a subfertile man treated with HCG and HMG. A case report. Rubin SO.
Scand J Urol Nephrol 7:81-4, 1973

[Side-effects of hormonal therapy for cryptorchism] Knorr D. Med Klin 68:566, 27 Apr 73 (Ger)

ANALYSIS

Gonadotrophin concentrations in the placentae of man, the rhesus monkey and the marmoset. Hobson BM.
Folia Primatol (Basel) 18:35-40, 1972

Light microscopic localization of binding sites for human chorionic gonadotrophin in luteinized rat ovaries by a peroxidase-labeled antibody method. Petrusz P, et al.
J Histochem Cytochem 21:279-82, Mar 73

Gonadotropin producing hepatoma. Floyd WS, et al.
Obstet Gynecol 41:665-8, May 73

Mechanism of diabetes in pregnancy and hormonal levels for prediction of fetal outcome. Samaan NA.
Tex Med 69:68-71, Apr 73

[Research on identification and titration of gonadotropins for therapeutic use by immunologic methods. 3. Experimental research on preparations of equine origin: serum gonadotropin or PMSG] Beys-L'Hoest B.
J Pharm Belg 27:519-42, Sep-Oct 72 (Eng. Abstr.) (Fre)

[Clinical and hormonal characteristics of retardation of sexual development in girls] Sarkisian RG.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Eng. Abstr.) (Rus)

BLOOD

Observations on the epidemiology of simple hypospadias. Roberts CJ, et al.
Br Med J 1:768-70, 31 Mar 73

Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin. Talas M, et al. J Clin Endocrinol Metab 36:817-25, May 73

Purification and properties of chorionic gonadotrophin from trophoblastic tissue, urine and plasma of a patient with a hydatidiform mole. Pala A, et al.
J Endocrinol 56:441-50, Mar 73

Ultrastructure and endocrinological correlates of an early implantation site in the rhesus monkey. Reinius S, et al. J Reprod Fertil 32:171-3, Jan 73

The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C.
Steroids 21:583-92, Apr 73

ISOLATION & PURIFICATION

Regain of biological activity of gonadotropin from choriocarcinoma. Inouye T, et al.
Am J Obstet Gynecol 115:186-92, 15 Jan 73

Gonadotrophin concentrations in the placentae of man, the rhesus monkey and the marmoset. Hobson BM.
Folia Primatol (Basel) 18:35-40, 1972

Purification and properties of chorionic gonadotrophin from trophoblastic tissue, urine and plasma of a patient with a hydatidiform mole. Pala A, et al.
J Endocrinol 56:441-50, Mar 73

METABOLISM

Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al.
Endocrinology 92:1565-7, May 73

Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al.
Nature [New Biol] 242:246-8, 25 Apr 73

PHARMACODYNAMICS

Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera. Rohyn C, et al.
Acta Endocrinol (Kbh) 72:625-42, Apr 73

Effect of human chorionic gonadotrophin on weight loss, hunger, and feeling of well-being. Asher WL, et al. Am J Clin Nutr 26:211-8, Feb 73

Effect of human chorionic gonadotropin on intrauterine skin graft survival in F-1 hybrid rats. Kaye MD, et al.
Am J Obstet Gynecol 116:39-42, 1 May 73

An artificial conduit for the collection of ova in the rabbit. Taylor RM, et al.
Aust NZ J Obstet Gynaecol 12:198-201, Aug 72

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al.
Biochim Biophys Acta 304:197-202, 30 Mar 73

Stimulation of sperm movement from the isthmus to the site of fertilization in the rabbit oviduct. Harper MJ. Biol Reprod 8:362-8, Apr 73

Hormonal factors influencing ovarian uptake of human chorionic gonadotropin. Goldenberg RL, et al.
Endocrinology 92:1565-7, May 73

Role of the adrenal in PMS-induced ovulation before

puberty: effect of adrenalectomy. Ramaley JA. **Endocrinology 92:881-7, Mar 73**

Observations on the induction of ovulation and fertilization in vitro in the squirrel monkey (Saimiri sciureus). Gould KG, et al. **Fertil Steril 24:260-8, Apr 73**

Gonadotrophin concentrations in the placentae of man, the rhesus monkey and the marmoset. Hobson BM. **Folia Primatol (Basel) 18:35-40, 1972**

Changes in the fine structure of the ovarian follicle of the toad (Bufo bufo) Prior to induced ovulation. Thornton VF, et al. **Gen Comp Endocrinol 20:413-23, Apr 73**

Effect of human chorionic gonadotropin on pregnancy rate of heifers, when used under field conditions. Brown H, et al. **J Am Vet Med Assoc 162:456-7, 15 Mar 73**

Duration of estrus and ovulation time in nonlactating mares given human chorionic gondotropin during three successive estrous periods. Sullivan JJ, et al. **J Am Vet Med Assoc 162:895-8, 15 May 73**

Synchronization of estrus and ovulation in superovulated gilts. Christenson RK, et al. **J Anim Sci 36:914-8, May 73**

Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus. Wettemann RP, et al. **J Anim Sci 36:716-21, Apr 73**

The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man. Nieschlag E, et al. **J Endocrinol 57:123-34, Apr 73**

The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. Yamashita K, et al. **J Endocrinol 56:323-4, Feb 73**

In vitro uptake and incorporation of amino acids by blastocysts from intact and ovariectomized mice. Weitlauf HM. **J Exp Zool 183:303-8, Mar 73**

Brief communication: ultrastructural transformation of a murine Leydig-cell tumor after gonadotropin administration. Neaves WB. **J Natl Cancer Inst 50:1069-73, Apr 73**

A pituitary function test with synthetic LH-releasing hormone. Keller PJ. **J Obstet Gynaecol Br Commonw 80:72-4, Jan 73**

Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. Jainudeen MR, et al. **J Reprod Fertil 33:151-4, Apr 73**

The induction of ovulation and oestrus in the chinchilla. Weir BJ. **J Reprod Fertil 33:61-8, Apr 73**

Multiple pregnancy. 1. Benirschke K, et al. **N Engl J Med 288:1276-84, 14 Jun 73 (105 ref.)**

Parthenogenesis in the mouse. Kaufman MH. **Nature 242:475-6, 13 Apr 73**

In vitro fertilization of rat eggs. Miyamoto H, et al. **Nature 241:50-2, 5 Jan 73**

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. **Prostaglandins 1:443-51, Jun 72**

The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit. O'Grady JP, et al. **Prostaglandins 1:97-106, Feb 72**

Lack of effect of prostaglandin F2alpha on the fertilizing ability of rabbit sperm. Sorgen CD, et al. **Prostaglandins 1:229-33, Mar 72**

The effect of human chorionic gonadotropin on plasma steroid levels in young and old men. Longcope C. **Steroids 21:583-92, Apr 73**

Induction and synchronisation of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Schilling E, et al. **Vet Rec 91:471-4, 11 Nov 72**

[Changes in testosterone blood level after stimulation with chorionic gonadotropin (H.C.G.) in boys with hypothalamohypophyseal deficiency] Haber A, et al. **Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Eng. Abstr.) (Fre)**

[Effect of PMS and HCG on testicular ascorbic acid content in Bufo arenarum Hensel] Blumenkrantz N, et al. **C R Soc Biol (Paris) 166:1212, 1972 (Fre)**

[Estrus and conception in cattle following cycle synchronization and HCG-administration] Grunert E, et al. **Dtsch Tieraerztl Wochenschr 80:152-4, 1 Apr 73 (Eng. Abstr.) (Ger)**

[Diagnostic value of pregnanediol excretion in women] Friedrich F, et al. **Wien Klin Wochenschr 85:262-5, 18 May 73 (Eng. Abstr.) (Ger)**

[Action of methallibure and exogen gonadotrophins on the testis of jenynsia lineata (Teleostei)] Calvo J, et al. **Acta Physiol Lat Am 22:212-7, 1972 (Spa)**

PHYSIOLOGY

Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. **Proc Soc Exp Biol Med 143:59-62, May 73**

[Results of urinary steroid assays (basal and dynamic exploration of the ovary in female seborrhea and hirsutism] Aron-Brunetière R, et al. **Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Eng. Abstr.) (Fre)**

SECRETION

[Endocrinology of pregnancy (review of the literature)] Manuilova IA, et al. **Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)**

THERAPEUTIC USE

The treatment of obesity. Penick SB, et al. **Adv Psychosom Med 7:217-28, 1972 (23 ref.)**

Effect of human chorionic gonadotrophin on weight loss, hunger, and feeling of well-being. Asher WL, et al. **Am J Clin Nutr 26:211-8, Feb 73**

Repeated paternity subsequent to distinct courses of hcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Kjessler B. **Andrologie 4:219-29, 1972**

Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients. Baker HW, et al. **Aust J Exp Biol Med Sci 50:861-72, Dec 72**

Management of the undescended testis. Klauber GT. **Can Med Assoc J 108:1129-31, 5 May 73**

Long-term follow-up of a patient with congenital adrenal hyperplasia and failure of testicular development. Molitor JT, et al. **Fertil Steril 24:319-23, Apr 73**

Increased frequency of chromosomal anomalies in abortions after induced ovulation. Boue JG, et al. **Lancet 1:679-80, 24 Mar 73**

Health information in the mass media: the case of chorionic gonadotropin and obesity. **Med J Aust 1:321-2, 17 Feb 73**

Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes. Teller WM, et al. **Z Kinderheilkd 114:155-61, 4 Apr 73**

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G. **Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)**

[Side-effects of hormonal therapy for cryptorchism] Knorr D. **Med Klin 68:566, 27 Apr 73 (Ger)**

[Hypothalamic-pituitary conditioned amenorrhea and infertility] Strand A. **Tidsskr Nor Laegeforen 92:2184-8, 20 Nov 72 (Eng. Abstr.) (Nor)**

URINE

Regain of biological activity of gonadotropin from choriocarcinoma. Inouye T, et al. **Am J Obstet Gynecol 115:186-92, 15 Jan 73**

Clinical, histochemical, and biochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells. Ueda G, et al. **Am J Obstet Gynecol 114:748-54, 15 Nov 72**

Experiences with Gonavislide, a new slide test for pregnancy. Killip M. **Aust NZ J Obstet Gynaecol 12:250-2, Nov 72**

Neutralization of primate chorionic gonadotropin activities by antisera against the subunits of human chorionic gonadotropin in radioimmunoassay and bioassay. Hodgen GD, et al. **Endocrinology 92:705-9, Mar 73**

The postabortive ovarian disfunction (clinical, pathological and endocrine study). Botella-Llusiá J. **Gynecol Prat 23:117-23, 1972**

Purification and properties of chorionic gonadotrophin from trophoblastic tissue, urine and plasma of a patient with a hydatidiform mole. Pala A, et al. **J Endocrinol 56:441-50, Mar 73**

[Function of corpus luteum in early pregnancy] Dyková H, et al. **Cesk Gynekol 38:132-4, Apr 73 (Cze)**

[Determination of urinary C.G.H. in spontaneous threatened abortion. Prognostic value] Hechtermans

R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:869-76, Dec 72 (Eng. Abstr.) (Fre)
[Clinical value of luteonosticon test] Hohlweg W. Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Eng. Abstr.) (Ger)

GONADOTROPINS, EQUINE

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al.
Am J Vet Res 34:631-6, May 73
Bioassay of antigonsdotropic sera. (Assay of the pregnant mare serum gonadotropin (PMS) neutralising potency). Calamera JC.
Andrologie 4:203-12, 1972

ADMINISTRATION & DOSAGE

Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus. Imai K. J Reprod Fertil 33:91-8, Apr 73

ANALYSIS

[Research on identification and titration of gonsdotropins for therapeutic use by immunologic methods. 3. Experimental research on preparations of equine origin: serum gonsdotropin or PMSG] Beys-L'Hoest B.
J Pharm Belg 27:519-42, Sep-Oct 72 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy. Ramaley JA.
Endocrinology 92:881-7, Mar 73
Observations on the induction of ovulation and fertilization in vitro in the squirrel monkey (Saimiri sciureus). Gould KG, et al.
Fertil Steril 24:260-8, Apr 73
Synchronization of estrus and ovulation in superovulated gilts. Christenson RK, et al.
J Anim Sci 36:914-8, May 73
Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers. Neville WE Jr, et al.
J Anim Sci 36:540-5, Mar 73
Effects of methallibure on early pregnancy in swine. Schafer JH, et al. J Anim Sci 36:722-5, Apr 73
Differences between mouse strains in testicular cholesterol levels and androgen target organs. Bartke A, et al. J Endocrinol 55:173-84, Oct 72
Effect of unilateral ovariectomy on follicular growth in hypophysectomized rats treated with pregnant mare serum gonadotrophin. Welschen R.
J Endocrinol 55:227-8, Oct 72
In vitro uptake and incorporation of amino acids by blastocysts from intact and ovariectomized mice. Weitlauf HM. J Exp Zool 183:303-8, Mar 73
Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. Jainudeen MR, et al. J Reprod Fertil 33:151-4, Apr 73
The induction of ovulation and oestrus in the chinchilla. Weir BJ. J Reprod Fertil 33:61-8, Apr 73
In vitro fertilization of rat eggs. Miyamoto H, et al.
Nature 241:50-2, 5 Jan 73
Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS. Johnson DC, et al. Proc Soc Exp Biol Med 143:59-62, May 73
Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Armstrong DT, et al.
Prostaglandins 1:21-8, Jan 72
Effect of synthetic gonsdotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72
Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonsdotrophin secretion. Orczyk GP, et al.
Prostaglandins 1:3-20, Jan 72
Induction and synchronisation of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Schilling E, et al. Vet Rec 91:471-4, 11 Nov 72
[Research on identification and titration of gonadotropins for therapeutic use by immunologic methods. 3. Experimental research on preparations of equine origin: serum gonsdotropin or PMSG] Beys-L'Hoest B.
J Pharm Belg 27:519-42, Sep-Oct 72 (Eng. Abstr.) (Fre)

PLACENTAL EXTRACTS

[Side effects of placental gamma globulin] Kudashov NI, et al.
Vopr Okhr Materin Det 17:60-6, Nov 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Penetration of monomycin through the placental barrier in rats previously sensitized with homologous placental protein] Buniatova IM.
Akush Ginekol (Mosk) 49:46-9, Feb 73 (Rus)

PLACENTAL HORMONES

ANALYSIS

Mechanism of diabetes in pregnancy and hormonal levels for prediction of fetal outcome. Samaan NA.
Tex Med 69:68-71, Apr 73

BIOSYNTHESIS

[Biosynthesis of estrogens during pregnancy (survey of the literature)] Bagramian ER, et al.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)

BLOOD

Maternal and fetal levels of HCS in preeclampsia. Sprague AD, et al. Obstet Gynecol 41:770-3, May 73

PLACENTAL LACTOGEN

ANALYSIS

[Heterogeneity of purified human chorionic somatomammotrophic hormone] Belleville F, et al.
C R Soc Biol (Paris) 166:1060-4, 1972 (Fre)

BLOOD

Human placental lactogen levels and intrapartum fetal distress: meconium-stained amniotic fluid, fetal heart rate patterns, and Apgar scores. Spellacy WN, et al.
Am J Obstet Gynecol 114:803-8, 15 Nov 72
Placental lactogen levels in diabetic pregnancy. Ursell W, et al. Br Med J 2:80-2, 14 Apr 73
A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy. Watson D, et al. J Clin Pathol 26:249-300, Apr 73
Placental lactogen and fetal distress. Letchworth AT.
Nurs Mirror 136:32-3, 6 Apr 73
[HPL levels in normal and endangered pregnancy] Talaš M, et al. Cesk Gynekol 38:137-9, Apr 73 (Cze)
[Determination of the somatomammotrophic chorionic hormone (or placental lactogen hormone) in the plasma of pregnant women. Its value in cases of fetoplacental hypotrophy] Hubert C, et al.
J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Eng. Abstr.) (Fre)
[Maternal HPL serum concentrations before, during and after parturition in normal cases and in cases with postmaturity] Berle P, et al.
Arch Gynaekol 213:390-8, 21 Mar 73 (Eng. Abstr.) (Ger)
[Radioimmunoassay of somatotropin (STH) and placental lactogen (HPL) during normal pregnancy] Janisch H, et al.
Wien Klin Wochenschr 85:167-9, 16 Mar 73 (Eng. Abstr.) (Ger)
[Placental lactogen in maternal blood during normal pregnancy] Berle P, et al.
Z Geburtshilfe Perinatol 176:470-3, Dec 72 (Eng. Abstr.) (Ger)
[Serum levels of human placental lactogen in normal pregnancy] Schwartz A, et al.
Harefuah 83:412-3, 15 Nov 72 (Eng. Abstr.) (Heb)

ISOLATION & PURIFICATION

[Heterogeneity of purified human chorionic somatomammotrophic hormone] Belleville F, et al.
C R Soc Biol (Paris) 166:1060-4, 1972 (Fre)

PHARMACODYNAMICS

Lack of specificity for the extra-ovarian prolactin effect on vaginal mucification in rats. Kennedy TG, et al. Endocrinology 92:847-52, Mar 73

SOMATOMAMMOTROPIN

Prognostic value of human chorionic somatomammotropin plasma levels in diabetic patients. Cohen M et al. Am J Obstet Gynecol 115:202-10, 15 Jan 73

(Heterogeneity of purified human chorionic somatomammotrophic hormone) Belleville F, et al. C R Soc Biol (Paris)166: 1060-4, 1972 (Fre)

(Determination of the Somatomammotrophic chorionic hormone (or placental lactogen hormone) in the plasma of pregnant women. Its value in cases of fetoplacental hypotrophy) Hubert C, et al. J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Eng. Abstr.) (Fre)

I. *Physical and Functional Aspects*

PARATHYROID GLANDS

Histological observations on bone and cartilage of growing turtles treated with calcitonin. Bélanger LF, et al. Gen Comp Endocrinol 20:297-304, Apr 73

ABNORMALITIES

Thyroid and parathyroid glands in the vaginal wall: report of a case. Kurman RJ, et al. Am J Clin Pathol 59:503-7, Apr 73

B and T lymphocytes in primary immunodeficiency disease in man. Gaji-Peczalska KJ, et al. J Clin Invest 52:919-28, Apr 73

Infectious disease problems in various hematologic disorders. Smith LG, et al. Med Clin North Am 37:409-20, Mar 73 (16 ref.)

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. Surgery 73:782-5, May 73

[Primary hyperthyroidism. Angiographic localization of an aberrant parathyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

ANALYSIS

Intrafollicular amyloid in normal parathyroid glands. Lieberman A, et al. Arch Pathol 95:422-3, Jun 73

ANATOMY & HISTOLOGY

Neck exploration for hyperparathyroidism. Cady B. Surg Clin North Am 53:301-6, Apr 73

BLOOD SUPPLY

Selective venous catheterization of the neck: localization of a parathyroid adenoma drained anomalously by nonthyroidal veins. Bilezikian JP, et al. J Clin Endocrinol Metab 36:826-9, May 73

CYTOLOGY

Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Schneider E, et al. Chromosoma 41:167-73, 1973

DRUG EFFECTS

Evidence for a role of adenosine 3',5'-monophosphate in parathyroid hormone release. Williams GA, et al. Endocrinology 92:687-91, Mar 73

The acute parathyroid hormone response to changes in ionized calcium during phosphate infusions in the cow. Fischer JA, et al. Eur J Clin Invest 3:151-5, Mar 73

EMBRYOLOGY

Thyroid and parathyroid glands in the vaginal wall: report of a case. Kurman RJ, et al. Am J Clin Pathol 59:503-7, Apr 73

METABOLISM

Thyroid gland in the management of laryngopharyngeal cancer. Harrison DF. Arch Otolaryngol 97:301-2, Apr 73

Evidence for a role of adenosine 3',5'-monophosphate in parathyroid hormone release. Williams GA, et al. Endocrinology 92:687-91, Mar 73

PATHOLOGY

Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al. Am J Surg 125:636-8, May 73

Primary hyperparathyroidism as observed over a 22-year period. Kay S. Arch Pathol 95:256-9, Apr 73

Intrafollicular amyloid in normal parathyroid glands. Lieberman A, et al. Arch Pathol 95:422-3, Jun 73

Thymic carcinoid in familial multiple endocrine adenomatosis. Manes JL, et al. Arch Pathol 95:252-5, Apr 73

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al. Br Med J 1:637-40, 17 Mar 73

Experimental zinc deficiency in weanling pigs on high and low calcium diets. Norrdin RW, et al. Cornell Vet 63:264-90, Apr 73

Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al. J Clin Pathol 26:83-101, Feb 73

Follicles in human parathyroid glands. Boquist L. Lab Invest 28:313-20, Mar 73

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73

Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73

PHYSIOLOGY

Effect of parathyroid hormone on the propulsive gastrointestinal motility of the rat. Segerström A. Acta Chir Scand 139:55-9, 1973

Effects of acetazolamide and parathyroidectomy on renal transport of sodium, calcium, and phosphate. Beck LH, et al. Am J Physiol 224:1136-42, May 73

The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al. Arch Biochem Biophys 154:566-74, Feb 73

Seizures in rats induced by pinealectomy: influence of diazepam, chlordiazepoxide, diphenylhydantoin and pineal substances. Reiter RJ, et al. Arch Int Pharmacodyn Ther 202:219-30, Apr 73

The effect of insulin on bone resorption. Puche RC, et al. Calcif Tissue Res 12:8-15, 1973

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al. Endocrinology 92:1328-33, May 73

Inhibition of bone matrix formation, mineralization, and resorption in thyroparathyroidectomized rats. Wergedal J, et al. J Clin Invest 52:1052-8, May 73

Effect of porcine, salmon and human calcitonin on urinary excretion of some electrolytes in sheep. Barlet JP. J Endocrinol 55:153-61, Oct 72

Effects of thyroparathyroidectomy on implantation and early gestation in rats. Baksi SN. J Reprod Fertil 32:513-6, Mar 73

Gastric secretion in relation to parathyroid dysfunction in rats with chronic gastric fistulae. Arnthorsson G, et al. Ups J Med Sci 78:48-54, 1973

The effect of vagotomy on gastrointestinal propulsive motility in rats subjected to administration of parathyroid hormone and parathyroidectomy. Segerström A. Ups J Med Sci 78:55-9, 1973

[Dental extraction wound healing after thyroparathyroidectomy. Histological study in rats] Gosuen LC, et al.
Rev Bras Pesqui Med Biol 5:229-35, Sep-Dec 72 (Eng. Abstr.) (Por)

PHYSIOPATHOLOGY

Influence of parathyroid function on the propulsive motility of the small intestine in the rat. Nilsson F, et al. Acta Chir Scand 139:60-2, 1973
Possible pathogenetic factors in neonatal hypocalcemia of prematurity. The role of gestation, hyperphosphatemia, hypomagnesemia, urinary calcium loss, and parathormone responsiveness. Tsang RC, et al. J Pediatr 82:423-9, Mar 73
[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al.
Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)

SECRETION

Ineffectiveness of calcitonin on osteoporosis in parapiegic rats. Braddom RL, et al. Arch Phys Med Rehabil 54:170-4, Apr 73

SURGERY

Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al. Am J Surg 125:636-8, May 73
Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects. Massry SG, et al. Ann Intern Med 78:357-64, Mar 73
Calciphylaxis: etiology of progressive vascular calcification and gangrene? Conn J Jr, et al. Ann Surg 177:206-10, Feb 73
Nature and the time course of seizures associated with surgical removal of the pineal gland from parathyroidectomized rats. Reiter RJ, et al. Exp Neurol 38:386-97, Mar 73
Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review. Whitfield JF, et al. In Vitro 8:257-78, Jan-Feb 73 (80 ref.)
Survival of a homologous parathyroid implant in an immunosuppressed patient. Groth CG, et al. Lancet 1:1082-5, 19 May 73
Parathyroidectomy for symptomless hyperparathyroidism. West TE, et al. Lancet 1:1005, 5 May 73
[Parathyroidectomy effect on secondary hyperparathyroidism] Chigot PL.
Bull Acad Nati Med (Paris) 156:385-90, May 72 (Fre)

TRANSPLANTATION

Survival of a homologous parathyroid implant in an immunosuppressed patient. Groth CG, et al. Lancet 1:1082-5, 19 May 73
Long-term survival of dogs transplanted with parathyroid glands as autografts and as allografts in immunosuppresed hosts. Wells SA Jr, et al. Transplant Proc 5:769-71, Mar 73
[The technic of taking and transplanting a thyroid-parathyroid complex to patients suffering thyroid-parathyroid insufficiency] Tochilin VI.
Klin Khir 9:36-40, Sep 72 (Rus)

11. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

Pernicious hyperparathyroidism. Johansson H, et al. Acta Chir Scand 139:37-41, 1973

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73

BLOOD

Normocalcemic primary hyperparathyroidism. Grimelius L, et al. Acta Chir Scand 139:42-4, 1973

Needle bone biopsy in primary hyperparathyroidism. Becker FO, et al. Arch Intern Med 131:650-6, May 73

Parathyroid localization using venous catheterization and radioimmunoassay. Powell D, et al. Arch Intern Med 131:645-8, May 73

Plasma phosphate and potassium levels in the hypercalcemia of malignant disease. Zilva JF, et al. J Clin Endocrinol Metab 36:1019-26, May 73

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73

Some unusual manifestations of parathyroid disease. Hines JR, et al. Surg Clin North Am 53:221-30, Feb 73

[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al. Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)

[Parathyroid crisis in primary hyperparathyroidism] Raszeja-Wanic B, et al. Pol Tyg Lek 28:289-91, 19 Feb 73 (Eng. Abstr.) (Pol)

[Value of determining urinary excretion of hydroxyproline in hyperparathyroidism] Balaba TIa, et al. Probl Endokrinol (Mosk) 19:23-7, Jan-Feb 73 (Eng. Abstr.) (Rus)

CLASSIFICATION

Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73

COMPLICATIONS

Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical screening. Heedman PA, et al. Acta Med Scand 193:167-73, Mar 73

Primary hyperparathyroidism in childhood. Lund HT. Acta Paediatr Scand 62:317-20, May 73

Thymic carcinoid in familial multiple endocrine adenomatosis. Manes JL, et al. Arch Pathol 95:252-5, Apr 73

Hypercalcemic crisis: diagnosis and treatment. Marya RK. Indian J Med Sci 27:51-6, Jan 73

Intranephronic calculosis: its significance and relationship to matrix in nephrolithiasis. Malek RS, et al. J Urol 109:551-5, Apr 73

Parathyroidectomy for symptomless hyperparathyroidism. West TE, et al. Lancet 1:1005, 5 May 73

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

Skeletal changes in patients on regular hemodialysis. Simpson W, et al. Radiology 107:313-20, May 73

Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)

Some unusual manifestations of parathyroid disease. Hines JR, et al. Surg Clin North Am 53:221-30, Feb 73

[Mediacalcosis during renal failure] Broussin J, et al. Bord Med 5:2771-2, Dec 72 (Fre)

[Primary hyperparathyroidism, pancreatitis and cholelithiasis] Brünner H, et al. Dtsch Med Wochenschr 98:426-9, 2 Mar 73 (Eng. Abstr.) (Ger)

[Pseudohyperparathyroidism as a paraneoplastic syndrome in a care of carcinoma of the stomach] Wahl AR, et al. Dtsch Med Wochenschr 98:565-8, 16 Mar 73 (Eng. Abstr.) (Ger)

[Scintigraphic studies in systemic skeletal diseases] Bessler W. Radiologe 13:117-24, Mar 73 (Ger)

[Bilateral gangrene of legs in tertiary hyperparathyroidism] Schmidt P, et al. Schweiz Med Wochenschr 103:418-20, 17 Mar 73 (Eng. Abstr.) (Ger)

[Parathyroid crisis in primary hyperparathyroidism] Raszeja-Wanic B, et al. Pol Tyg Lek 28:289-91, 19 Feb 73 (Eng. Abstr.) (Pol)

[Acute recurrent pancreatitis in the course of primary hyperparathyroidism] Rościszewska A. Pol Tyg Lek 28:450-1, 19 Mar 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

Normocalcemic primary hyperparathyroidism. Grimelius L, et al. Acta Chir Scand 139:42-4, 1973

Systematic serum calcium screening--will it be necessary? Waldenström JG. Acta Med Scand 193:145-6, Mar 73

Primary hyperparathyroidism in childhood. Lund HT. Acta Paediatr Scand 62:317-20, May 73

Needle bone biopsy in primary hyperparathyroidism. Becker FO, et al. Arch Intern Med 131:650-6, May 73

Parathyroid localization using venous catheterization and radioimmunoassay. Powell D, et al. Arch Intern Med 131:645-8, May 73

Primary hyperparathyroidism as observed over a 22-year period. Kay S. Arch Pathol 95:256-9, Apr 73

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

Hyperparathyroidism. JAMA 224:Suppl 5:773, 30 Apr 73

Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Neelon FA, et al. Lancet 1:631-3, 24 Mar 73

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

Neck exploration for hyperparathyroidism. Cady B. Surg Clin North Am 53:301-6, Apr 73

Some unusual manifestations of parathyroid disease. Hines JR, et al. Surg Clin North Am 53:221-30, Feb 73

Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73

[The wrist in metabolic arthropathies] Menkes CJ. Rhumatologie 24:257-61, Aug-Sep 72 (Fre)

[Hyperparathyroid osteodystrophy] Il'in IM, et al. Klin Khir 9:60-2, Sep 72 (Rus)

DRUG THERAPY

Propranolol--new uses. Med Lett Drugs Ther 15:49-51, 8 Jun 73

[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al. Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)

ENZYMOLOGY

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

[Value of determining urinary excretion of hydroxyproline in hyperparathyroidism] Balaba TIa, et al. Probl Endokrinol (Mosk) 19:23-7, Jan-Feb 73 (Eng. Abstr.) (Rus)

ETIOLOGY

Alimentary hypoglycemia associated with the Zollinger-Ellison syndrome. O'Brien TK, et al. Am J Med 54:637-44, May 73

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73
Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73
Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. Surgery 73:782-5, May 73
[Risks in parathyroid adenoma localization with arteriography and its risks] Duhost C. Nouv Presse Med 2:722, 17 Mar 73 (Fre)
[Ectopic hormonal syndromes] Alheaux-Fernet M. Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)
[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al. Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)
[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al. Med Welt 24:517-22, 6 Apr 73 (Ger)
[Acute recurrent pancreatitis in the course of primary hyperparathyroidism] Rościszewska A. Pol Tyg Lek 28:450-1, 19 Mar 73 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

Familial hyperparathyroidism. Mild hypercalcemia in at least nine members of a kindred. Marx SJ, et al. Ann Intern Med 78:371-7, Mar 73
Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
Thymic carcinoid in familial multiple endocrine adenomatosis. Manes JL, et al. Arch Pathol 95:252-5, Apr 73

METABOLISM

Pernicious hyperparathyroidism. Johansson H, et al. Acta Chir Scand 139:37-41, 1973
Systematic serum calcium screening--will it be necessary? Waldenström JG. Acta Med Scand 193:145-6, Mar 73
Serum phosphate and calcium and phosphate excretion at different levels of serum calcium in hyperparathyroidism. Wibell L, et al. Acta Med Scand 193:161-5, Mar 73
[Radioisotope studies of calcium and bone metaholism in systemic skeletal diseases] Sack H. Radiologe 13:125-7, Mar 73 (Ger)

MORTALITY

Pernicious hyperparathyroidism. Johansson H, et al. Acta Chir Scand 139:37-41, 1973

OCCURRENCE

Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical screening. Heedman PA, et al. Acta Med Scand 193:167-73, Mar 73

PATHOLOGY

Needle bone biopsy in primary hyperparathyroidism. Becker FO, et al. Arch Intern Med 131:650-6, May 73
Primary hyperparathyroidism as observed over a 22-year period. Kay S. Arch Pathol 95:256-9, Apr 73
Follicles in human parathyroid glands. Boquist L. Lab Invest 28:313-20, Mar 73
The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73
Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73
Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73
Quantitative relations between osteoblasts and osteoid in primary hyperparathyroidism, intestinal malabsorption ad renal osteodystrophy. Olah AJ. Virchows Arch [Pathol Anat] 358:301-8, 19 Feb 73
[Pseudohyperparathyroidism as a paraneoplastic syndrome in a care of carcinoma of the stomach] Wahl AR, et al. Dtsch Med Wochenschr 98:565-8, 16 Mar 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Influence of parathyroid function on the propulsive motility of the small intestine in the rat. Nilsson F, et al. Acta Chir Scand 139:60-2, 1973
Gastric secretion in relation to parathyroid dysfunction in rats with chronic gastric fistulae. Arnthorsson G, et al. Ups J Med Sci 78:48-54, 1973
[Primary hyperparathyroidism, pancreatitis and cholelithiasis] Brünner H, et al. Dtsch Med Wochenschr 98:426-9, 2 Mar 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73
[Primary hyperthyroidism. Angiographic localization of an aberrant parathyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

SURGERY

Primary hyperparathyroidism in childhood. Lund HT. Acta Paediatr Scand 62:317-20, May 73
Parathyroidectomy for symptomless hyperparathyroidism. West TE, et al. Lancet 1:1005, 5 May 73
The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73
Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73
Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feb 73
[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al. Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)
[Bilateral gangrene of legs in tertiary hyperparathyroidism] Schmidt P, et al. Schweiz Med Wochenschr 103:418-20, 17 Mar 73 (Eng. Abstr.) (Ger)

URINE

Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Neelon FA, et al. Lancet 1:631-3, 24 Mar 73
[Value of determining urinary excretion of hydroxyproline in hyperparathyroidism] Balaba TIa, et al. Probl Endokrinol (Mosk) 19:23-7, Jan-Feb 73 (Eng. Abstr.) (Rus)

HYPERPARATHYROIDISM, SECONDARY

CHEMICALLY INDUCED

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al. Br Med J 1:637-40, 17 Mar 73

COMPLICATIONS

The many facets of secondary hyperparathyroidism. Ball JH, et al. Arch Intern Med 131:746-9, May 73
Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73
Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al. J Clin Pathol 26:83-101, Feb 73
[Pathogenesis of pseudohypoparathyroidism] Stögmann W. Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73

ETIOLOGY

Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al. Am J Surg 125:636-8, May 73
[Parathyroidectomy effect on secondary hyperparathyroidism] Chigot PL. Bull Acad Natl Med (Paris) 156:385-90, May 72 (Fre)

METABOLISM

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al. Br Med J 1:637-40, 17 Mar 73

PATHOLOGY

Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al. Am J Surg 125:636-8, May 73

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al. Br Med J 1:637-40, 17 Mar 73

Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al. J Clin Pathol 26:83-101, Feb 73

Follicles in human parathyroid glands. Boquist L. Lab Invest 28:313-20, Mar 73

RADIOGRAPHY

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al. Br Med J 1:637-40, 17 Mar 73

[Results of microradiography in bone diseases] Heuck F. Radiologe 13:102-10, Mar 73 (Ger)

SURGERY

Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al. Am J Surg 125:636-8, May 73

THERAPY

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73

HYPOPARATHYROIDISM

COMPLICATIONS

Dental defects associated with neonatal symptomatic hypocalcaemia. Stimmler L, et al. Arch Dis Child 48:217-20, Mar 73

Resistant hypoparathyroidism and magnesium depletion. Scott ME. Lancet 1:1005, 5 May 73

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)

[Neuromuscular excitability in the electromyographic diagram and etiopathogenesis of stuttering studied in the light of our research] Weiss B. Acta Otorhinolaryngol Belg 27:34-7, 1973 (Fre)

CONGENITAL

Dental defects associated with neonatal symptomatic hypocalcaemia. Stimmler L, et al. Arch Dis Child 48:217-20, Mar 73

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

DIAGNOSIS

[A case of neonatal hypoparathyroidism] Dalery J, et al. Pediatrie 27:792-3, Oct-Nov 72 (Fre)

DRUG THERAPY

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

Magnesium-induced reversal of vitamin-D resistance in hypoparathyroidism. Rösler A, et al. Lancet 1:803-4, 14 Apr 73

Resistant hypoparathyroidism and magnesium depletion. Scott ME. Lancet 1:1005, 5 May 73

[A case of neonatal hypoparathyroidism] Dalery J, et al. Pediatrie 27:792-3, Oct-Nov 72 (Fre)

PHYSIOPATHOLOGY

Influence of parathyroid function on the propulsive motility of the small intestine in the rat. Nilsson F, et al. Acta Chir Scand 139:60-2, 1973

Gastric secretion in relation to parathyroid dysfunction in rats with chronic gastric fistulae. Arnthorsson G, et al. Ups J Med Sci 78:48-54, 1973

THERAPY

[The technic of taking and transplanting a thyroid-parathyroid complex to patients suffering thyroid-parathyroid insufficiency] Tochilin VI. Klin Khir 9:36-40, Sep 72 (Rus)

PARATHYROID DISEASES

[Fahr's diseases. Biological and anatomical study. Absence of biological signs for hypoparathyroidism] Hamida MB, et al. Ann Med Interne (Paris) 123:909-21, Nov 72 (Eng. Abstr.) (Fre)

BLOOD

Normocalcemic primary hyperparathyroidism. Grimelius L, et al. Acta Chir Scand 139:42-4, 1973

DIAGNOSIS

Parathyroid disease. MacGregor GA. Lancet 1:1133, 19 May 73

[Fahr's diseases. Biological and anatomical study. Absence of biological signs for hypoparathyroidism] Hamida MB, et al. Ann Med Interne (Paris) 123:909-21, Nov 72 (Eng. Abstr.) (Fre)

PATHOLOGY

Subacute renal failure. Daeschner CW Jr, et al. J Pediatr 82:527-34, Mar 73

[Fahr's diseases. Biological and anatomical study. Absence of biological signs for hypoparathyroidism] Hamida MB, et al. Ann Med Interne (Paris) 123:909-21, Nov 72 (Eng. Abstr.) (Fre)

PARATHYROID GLANDS

ABNORMALITIES

B and T lymphocytes in primary immunodeficiency disease in man. Gaji-Peczalska KJ, et al. J Clin Invest 52:919-28, Apr 73

Infectious disease problems in various hematologic disorders. Smith LG, et al. Med Clin North Am 37:409-20, Mar 73 (16 ref.)

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. Surgery 73:782-5, May 73

[Primary hyperthyroidism. Angiographic localization of an aberrant parathyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

PARATHYROID NEOPLASMS

Pernicious hyperparathyroidism. Johansson H, et al. Acta Chir Scand 139:37-41, 1973

Parathyroid carcinoma. A study of 70 cases. Schantz A, et al. Cancer 31:600-5, Mar 73

[Multiple adenomas of the parathyroid glands] Stukkel AA, et al. Klin Khir 9:82-3, Sep 72 (Rus)

BLOOD

Normocalcemic primary hyperparathyroidism. Grimelius L, et al. Acta Chir Scand 139:42-4, 1973

COMPLICATIONS

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73

Some unusual manifestations of parathyroid disease. Hines JR, et al. Surg Clin North Am 53:221-30, Feb 73

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. Surgery 73:782-5, May 73

[Paralysis of dilatators of the glottis. Diagnostic and therapeutic problems. Apropos of 3 cases] Beaufils F, et al.

PARATHYROID AND BONE

Ann Otolaryngol Chir Cervicofac 89:538-43, Sep 72 (Fre)

[Risks in parathyroid adenoma localization with arteriography and its risks] Dubost C. Nouv Presse Med 2:722, 17 Mar 73 (Fre)

[Acute recurrent pancreatitis in the course of primary hyperparathyroidism] Rościszewska A. Pol Tyg Lek 28:450-1, 19 Mar 73 (Eng. Abstr.) (Pol)

[Primary hyperthyroidism. Angiographic localization of an aberrant parathyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

DIAGNOSIS

Primary hyperparathyroidism in childhood. Lund HT. Acta Paediatr Scand 62:317-20, May 73

Primary hyperparathyroidism as observed over a 22-year period. Kay S. Arch Pathol 95:256-9, Apr 73

Parathyroid carcinoma. A study of 70 cases. Schantz A, et al. Cancer 31:600-5, Mar 73

Selective venous catheterization of the neck: localization of a parathyroid adenoma drained anomalously by nonthyroidal veins. Bilezikian JP, et al. J Clin Endocrinol Metab 36:826-9, May 73

Selective venous catheterisation and radioimmunoassay of parathyroid hormone in the diagnosis and localisation of parathyroid tumours. Davies DR, et al. Lancet 1:1079-82, 19 May 73

Neck exploration for hyperparathyroidism. Cady B. Surg Clin North Am 53:301-6, Apr 73

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. Surgery 73:782-5, May 73

[Mediastinal parathyroid adenoma. Reflections on a case operated with success] Bertho E. Nouv Presse Med 2:575-9, 3 Mar 73 (Fre)

[Diagnosis of parathyroid adenoma using the radioisotope study] Bischof-Delaloye A, et al. Strahlentherapie [Sonderb] 72:472-8, 1972 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

Familial parathyroid carcinoma. Frayha RA, et al. J Med Liban 25:299-309, 1972

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73

MORTALITY

Parathyroid carcinoma. A study of 70 cases. Schantz A, et al. Cancer 31:600-5, Mar 73

PATHOLOGY

Primary hyperparathyroidism as observed over a 22-year period. Kay S. Arch Pathol 95:256-9, Apr 73

Parathyroid carcinoma. A study of 70 cases. Schantz A, et al. Cancer 31:600-5, Mar 73

Familial parathyroid carcinoma. Frayha RA, et al. J Med Liban 25:299-309, 1972

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

[Mediastinal parathyroid adenoma. Reflections on a case operated with success] Bertho E. Nouv Presse Med 2:575-9, 3 Mar 73 (Fre)

[Acute recurrent pancreatitis in the course of primary hyperparathyroidism] Rościszewska A. Pol Tyg Lek 28:450-1, 19 Mar 73 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73

[Risks in parathyroid adenoma localization with arteriography and its risks] Dubost C. Nouv Presse Med 2:722, 17 Mar 73 (Fre)

[Primary hyperthyroidism. Angiographic localization of an aberrant parathyroid adenoma] Ocon Pujada J, et al. Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)

SURGERY

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism. Better OS, et al. Arch Surg 106:722-4, May 73

The surgery of hyperparathyroidism. Adie R, et al. Med J Aust 1:688-91, 7 Apr 73

Endocrine bone disease. Watson L. Practitioner 210:376-83, Mar 73

[Mediastinal parathyroid adenoma. Reflections on a case operated with success] Bertho E. Nouv Presse Med 2:575-9, 3 Mar 73 (Fre)

III. Parathyroid Hormone

PARATHYROID HORMONE

Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects. Massry SG, et al. **Ann Intern Med** 78:357-64, Mar 73

Studies of the metaholism of separated hone cells. I. Techniques of separation and identification. Smith DM, et al. **Calcif Tissue Res** 11:56-69, 25 Jan 73

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al. **Endocrinology** 92:1328-33, May 73

ANALYSIS

Isolation of human parathyroid hormone and determination of the amino-acid sequence of the amino-terminal part of the molecule. O'Riordan JL, et al. **Clin Sci** 44:14P-15P, Apr 73

The immunochemical specificity of antisera to hovine parathyroid hormone: an approach to region-specific radioimmunoassay. Murray TM, et al. **J Endocrinol** 56:493-501, Mar 73

ANTAGONISTS & INHIBITORS

Studies on the hypocalcemic action of 2-pyrrolecarhoxylic acid. Fang VS. **Arch Int Pharmacodyn Ther** 202:183-93, Mar 73

BLOOD

Familial hyperparathyroidism. Mild hypercalcemia in at least nine members of a kindred. Marx SJ, et al. **Ann Intern Med** 78:371-7, Mar 73

Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases. Singer FR, et al. **Ann Intern Med** 78:365-9, Mar 73

Parathyroid localization using venous catheterization and radioimmunoassay. Powell D, et al. **Arch Intern Med** 131:645-8, May 73

The acute parathyroid hormone response to changes in ionized calcium during phosphate infusions in the cow. Fischer JA, et al. **Eur J Clin Invest** 3:151-5, Mar 73

Immobilization hypercalcemia. Some new aspects of diagnosis and treatment. Lawrence GD, et al. **J Bone Joint Surg [Am]** 55:87-94, Jan 73

Selective venous catheterization of the neck: localization of a parathyroid adenoma drained anomalously by nonthyroidal veins. Bilezikian JP, et al. **J Clin Endocrinol Metab** 36:826-9, May 73

Attempts to prevent disuse osteoporosis by treatment with calcitonin, longitudinal compression and supplementary calcium and phosphate. Hantman DA, et al. **J Clin Endocrinol Metab** 36:845-58, May 73

Patterns of total and ionized calcium and other electrolytes in plasma during and after cardiac surgery. Moffitt EA, et al. **J Thorac Cardiovasc Surg** 65:751-7, May 73

Selective venous catheterisation and radioimmunoassay of parathyroid hormone in the diagnosis and localisation of parathyroid tumours. Davies DR, et al. **Lancet** 1:1079-82, 19 May 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet** 809:907-10, 28 Apr 73

Serum parathyroid hormone and blood minerals: interrelationships in normal children. Arnaud SB, et al. **Pediatr Res** 7:485-93, May 73

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. **Radiology** 107:249-56, May 73

Parathyroid hormone concentrations in postgastrectomy patients. Joffe BI, et al. **S Afr Med J** 47:659-60, 21 Apr 73

Hyperparathyroidism today. Paloyan E, et al. **Surg Clin North Am** 53:211-20, Feb 73

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al. **Surgery** 73:782-5, May 73

Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. **Trans Assoc Am Physicians** 85:172-80, 1972

[Pathogenesis of pseudohypoparathyroidism] Stögmann W. **Klin Paediatr** 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al. **Med Welt** 24:517-22, 6 Apr 73 (Ger)

DIAGNOSTIC USE

Possible pathogenetic factors in neonatal hypocalcemia of prematurity. The role of gestation, hyperphosphatemia, hypomagnesemia, urinary calcium loss, and parathormone responsiveness. Tsang RC, et al. **J Pediatr** 82:423-9, Mar 73

ISOLATION & PURIFICATION

Isolation of human parathyroid hormone and determination of the amino-acid sequence of the amino-terminal part of the molecule. O'Riordan JL, et al. **Clin Sci** 44:14P-15P, Apr 73

Partial purification of parathyroid hormone from chicken parathyroid glands. MacGregor RR, et al. **Endocrinology** 92:1312-7, May 73

METABOLISM

New ideas on vitamin D. **Br Med J** 1:629-30, 17 Mar 73

A mathematical model for calcium homeostasis. Powell T. **Bull Math Biophys** 34:483-502, Dec 72

Evidence for a role of adenosine 3',5'-monophosphate in parathyroid hormone release. Williams GA, et al. **Endocrinology** 92:687-91, Mar 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. **Lancet** 809:907-10, 28 Apr 73

PHARMACODYNAMICS

Effect of parathyroid hormone on the propulsive gastrointestinal motility of the rat. Segerström A. **Acta Chir Scand** 139:55-9, 1973

Effects of parathyroid hormone on renal tubular reabsorption of calcium, sodium, and phosphate. Agus ZS, et al. **Am J Physiol** 224:1143-8, May 73

Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects. Massry SG, et al. **Ann Intern Med** 78:357-64, Mar 73

A mathematical model for calcium homeostasis. Powell T. **Bull Math Biophys** 34:483-502, Dec 72

Plasma calcium and inorganic phosphate response of laying hens to parathyroid hormone. Mueller WJ, et al. **Endocrinology** 92:853-6, Mar 73

Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al. **Endocrinology** 92:692-7, Mar 73

Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review. Whitfield JF, et al. **In Vitro** 8:257-78, Jan-Feb 73 (80 ref.)

Evidence for two separate adenyl cyclase systems responding independently to parathyroid hormone and -adrenergic agents in the renal cortex of the rat. Kurokawa K, et al. **Proc Soc Exp Biol Med** 143:123-6, May 73

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Tell GP, et al. **Science** 180:312-5, 20 Apr 73

Gastric secretion in relation to parathyroid dysfunction in rats with chronic gastric fistulae. Arnthorsson G, et al. **Ups J Med Sci** 78:48-54, 1973

The effect of vagotomy on gastrointestinal propulsive motility in rats subjected to administration of parathyroid hormone and parathyroidectomy. Segerström A. **Ups J Med Sci** 78:55-9, 1973

[Effect of parathormone on the mineralization of lower incisor of the rat] Meffert O.

Res Exp Med (Berl) 160:166-70, 1973 (Eng. Abstr.) (Ger)

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

PHYSIOLOGY

Intestinal absorption of calcium. Wills MR.
Lancet 1:820-2, 14 Apr 73

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feb 73

Serum parathyroid hormone and blood minerals: interrelationships in normal children. Arnaud SB, et al. Pediatr Res 7:485-93, May 73

Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)

[Morphometric, electron microscopic and physico-chemical studies in experimental osteoporosis induced by chronic acidosis in the rat] Delling G, et al.
Virchows Arch [Pathol Anat] 358:321-30, 19 Feb 73 (Eng. Abstr.) (Ger)

SECRETION

Ineffectiveness of calcitonin on osteoporosis in paraplegic rats. Braddom RL, et al.
Arch Phys Med Rehabil 54:170-4, Apr 73

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feb 73

Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al.
Surgery 73:782-5, May 73

[Ectopic hormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)

IV. Bone Metabolism and Related Topics

BONE AND BONES

Fluorescent-antibody methods for detecting salmonellae in animal by-products. Smyser CF, et al. Avian Dis 17:99-106, Jan-Mar 73

Complex viscoelastic moduli of bovine bone. Laird GW, et al. J Biomech 6:59-67, Jan 73

The mechanical testing of bone in bending. Simkin A, et al. J Biomech 6:31-9, Jan 73

Fluorotec: a new bone seeker. Chervu LR, et al. Radiology 107:435-7, May 73

Rapid skeletal imaging using 18 F and a diverging collimator. Reilly JA, et al. Radiology 107:373-5, May 73

Problems and researches in the prehistoric human ecology of the Transkei and Ciskei. Derricourt RM. S Afr Med J 47:293-5, 24 Feb 73

[Technical production of tissue tests in the study of the bone-metal border layer in bone screw implants] Baumann R. Acta Anat (Basel) 84:562-71, 1973 (Eng. Abstr.) (Ger)

[Further contributions to the etiology of presbyacusis] Krmpotić-Nemanić J, et al. Acta Otolaryngol (Stockh) 75:211-5, Feb-Mar 73 (Eng. Abstr.) (Ger)

[Case of large bowel perforation by a fish bone] Doliński J, et al. Wiad Lek 26:761-3, 15 Apr 73 (Eng. Abstr.) (Pol)

[Calculation of analytical approximation coefficients for cross-sections of interaction between gamma-quanta and biological tissue] Kopytkin IuV, et al. Radiobiologiia 12:785-8, Sep-Oct 72 (Eng. Abstr.) (Rus)

ABNORMALITIES

The Rubinstein-Taybi Syndrome: chromosomal studies. Simpson NE. Am J Hum Genet 25:230-6, May 73

The Rubinstein-Taybi syndrome: familial and dermatoglyphic data. Simpson NE, et al. Am J Hum Genet 25:225-9, May 73

Cranial metaphyseal dysplasia. Otolaryngologic aspects. Stool SE, et al. Arch Otolaryngol 97:410-2, May 73

Cyclic variations in date of last menstrual period of mothers of infants with congenital malformations in South Wales, 1964-66. Roberts CJ, et al. Br J Prev Soc Med 26:212-8, Nov 72

Schwartz syndrome: another case report. Santesteban A. J Pediatr 82:1094-5, Jun 73

Achondrogenesis: case report and review of the literature. Xanthakos UF, et al. J Pediatr 82:658-63, Apr 73

Renal disease in nail-patella syndrome: clinical and morphologic studies. Hoyer JR, et al. Kidney Int 2:231-8, Oct 72

Appendicular skeletal and visceral malformations induced by thalidomide in bonnet monkeys. Hendrickx AG, et al. Teratology 7:151-9, Apr 72

[Congenital glaucoma in Rubinstein-Taybi syndrome] Manzitti E, et al. Ann Ocul (Paris) 205:1005-12, Sep 72 (Eng. Abstr.) (Fre)

[Noonan's syndrome (apropos of 2 cases)] Morand P, et al. Arch Mal Coeur 65:863-73, Jul 72 (Eng. Abstr.) (Fre)

[Temporomandibular ankylosis and Nievergelt's syndrome] Guilbert F, et al. Rev Stomatol Chir Maxillofac 73:471-7, Sep 72 (Eng. Abstr.) (Fre)

ANALYSIS

Study of bone mineralisation at the microscopic level using electron probe microanalyser. Sodium and magnesium distribution in normal bone. Burny F, et al. Acta Orthop Belg [Suppl] 38:79-84, 1972

Bone changes in experimental chronic cadmium poisoning: radiological and biological approaches. Itokawa Y, et al. Arch Environ Health 26:241-4, May 73

Bone biopsy in cattle and sheep for studies of phosphorus status. Little DA. Aust Vet J 48:668-70, Dec 72

Lead in bones and drinking water in towns with hard and soft water. Crawford MD, et al. Br Med J 2:21-3, 7 Apr 73

Bone metabolism and composition in the protein-deprived rat. Le Roith D, et al. Clin Sci 44:305-19, Apr 73

Bone magnesium, calcium and strontium concentrations in range cattle. Blincoe C, et al. J Anim Sci 36:971-5, May 73

Nutritional interrelationships of dietary calcium, phosphorus and magnesium in sheep. Chicco CF, et al. J Anim Sci 36:986-93, May 73

Haemodialysis therapy and changes in skeletal calcium. Catto GR, et al. Lancet 813:1150-3, 23 May 73

Alloxan diabetes and reduced bone density in rat mandible. Ramamurthy NS, et al. Res Commun Chem Pathol Pharmacol 5:614-20, May 73

Isolation and characterization of human bone sialoprotein. Shetlar MR, et al. Tex Rep Biol Med 30:339-45, Winter 72

[Effect of gallium on pregnant mice. II. Metabolic aspects] Caujolle F, et al. C R Soc Biol (Paris) 166:1176-80, 1972 (Fre)

[Effects of exogenous mineral silicium on inorganic components of different tissues in atheromatous rabbits] Charnot Y, et al. C R Soc Biol (Paris) 166:996-1000, 1972 (Fre)

[Lumomagneson: a fluorescent marker of the bone] Coutelier L. Experientia 29:192-3, 15 Feb 73 (Eng. Abstr.) (Fre)

[Comparative animal experiments on the resorption of magnesium as sulfate, chloride, aspartate and aspartate-hydrochloride from the gastrointestinal tract] Classen HG, et al. Arzneim Forsch 23:267-71, Feb 73 (Eng. Abstr.) (Ger)

[Importance of magnesium metabolism in pediatrics. 1. Function of magnesium, physiology of Mg-metabolism] Stober B. Fortschr Med 91:51-4, 18 Jan 73 (Ger)

[Clinical studies on radio-iodine kinetics and the biological halflife of oral 131 I] Lütgemeier J, et al. God Zb Med Fak Skopje 118:325-9, Mar 73 (Eng. Abstr.) (Ger)

[Possibilities of radiologic determination of bone mineral concentration] Krokowski E. Radiologe 13:97-101, Mar 73 (Ger)

[Decorporation of radionuclides (studies of polonium)] Volf V. Strahlentherapie 145:101-15, Jan 73 (Eng. Abstr.) (Ger)

[Alkaline phosphatase isoenzymes in the blood serum of rats with an experimental lesion of the hepatobiliary system and rachitis] Gromashevskaia LL, et al. Ukr Biokhim Zh 45:65-9, 1973 (Eng. Abstr.) (Ukr)

ANATOMY & HISTOLOGY

Staining the developing skeleton with murexide. Hill MF, et al. Acta Anat (Basel) 84:509-15, 1973

Effect of thyrocalcitonin on metatarsal bones of normal and calcium-deficient young rats. Salomon CD, et al. Isr J Med Sci 9:199-202, Feb 73

Ultra-sound in failed surgical labyrinthectomy. A case report. Peacock MR, et al. J Laryngol Otol 87:485-9, May 73

Interpretation of the normal 99m Tc polyphosphate rectilinear bone scan. Charkes ND, et al. Radiology 107:563-70, Jun 73

Advantages in the use of aldehyde fuchsin with van Gieson's picro-fuchsin counterstaining for differentiating bone and cartilage. Addison PC. Stain Technol 48:59-62, Mar 73

[Osteo-neural morphogenesis of extremity bones]

Roth M.
Cas Lek Cesk 112:597-603, 11 May 73 (Eng. Abstr.) (Cze)

[Formation of bone tissue within the implanted plastic hydron] Smahel J, et al.
Helv Chir Acta 40:263-6, Mar 73 (Ger)

BLOOD SUPPLY

Knee disarticulation. An experimental study. Hansen-Leth C, et al. Acta Orthop Scand 44:75-86, 1973

Action of bone haemodynamics on lacunae-wall calcification. Deysine M. Lancet 1:805-7, 14 Apr 73

[Intra-osseous circulation investigation. Medullary function investigation] Ficat P, et al.
Sem Hop Paris 49:587-92, 14 Feb 73 (Eng. Abstr.) (Fre)

[Revascularization of osteotomized long tubular bones following stable and unstable osteosynthesis using intra- and extramedullary strength supports] Berg PA van de. Ann Univ Saray [Med] 19:148-234, 1972 (Ger)

[Bone blood supply following intramedullary nailing and plating] Berg PA van de.
Bruns Beitr Klin Chir 220:103-9, Feb 73 (Eng. Abstr.) (Ger)

CYTOLOGY

A bone morphogenetic system in residues of bone matrix in the mouse. Urist MR.
Clin Orthop 91:210-20, Mar-Apr 73

A historadiographic method for identifying osteoid seams in bone using silver impregnation. Pellegrino ED, et al. Histochemie 35:11-5, 1973

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Tell GP, et al. Science 180:312-5, 20 Apr 73

DRUG EFFECTS

Androgens and athletes. Frasier SD.
Am J Dis Child 125:479-80, Apr 73

Oxandrolone for growth promotion in Turner syndrome. Rosenbloom AL, et al.
Am J Dis Child 125:385-7, Mar 73

Effect of vitamin D on bone mineral mass in normal subjects and in epileptic patients on anticonvulsants: a controlled therapeutic trial. Christiansen C, et al.
Br Med J 2:208-9, 28 Apr 73

The effect of tetracycline and oxytetracycline on the formation of biological apatite. Bachra BN, et al.
Calcif Tissue Res 11:95-6, 25 Jan 73

Effect of acetylsalicyclic acid (aspirin) on bone collagen in children. Liakakos D, et al.
Clin Chim Acta 44:427-9, 30 Mar 73

A defect in the intramolecular and intermolecular cross-linking of collagen caused by penicillamine. 3. Accumulation of acid soluble collagen with a high hydroxylysine content in bone. Deshmukh K, et al.
Clin Orthop 91:186-96, Mar-Apr 73

Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73

Biologic action of 1,25-dihydroxy-vitamin D3 in the rachitic dog. Brickman AS, et al.
Endocrinology 92:728-34, Mar 73

Histological observations on bone and cartilage of growing turtles treated with calcitonin. Bélanger LF, et al. Gen Comp Endocrinol 20:297-304, Apr 73

Heparin osteoporosis. An experimental model using rats. Thompson RC Jr.
J Bone Joint Surg [Am] 55:606-12, Apr 73

[Toxicological studies of long-term administration of doxycycline in rats and in castrated pigs] De Pascale V, et al.
Boll Chim Farm 111:755-76, Dec 72 (Eng. Abstr.) (Ita)

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

EMBRYOLOGY

[Osteo-neural morphogenesis of extremity bones] Roth M.
Cas Lek Cesk 112:597-603, 11 May 73 (Eng. Abstr.) (Cze)

ENZYMOLOGY

Profiles of alkaline phosphatase isoenzymes in serum using cellulose acetate electrophoresis and organ-specific inhibitors. Rhone DP, et al.
Am J Clin Pathol 59:531-41, Apr 73

Haematology and biochemistry of ankylosing spondylitis. Kendall MJ, et al.
Br Med J 2:235-7, 28 Apr 73

Heparin osteoporosis. An experimental model using rats. Thompson RC Jr.
J Bone Joint Surg [Am] 55:606-12, Apr 73

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Tell GP, et al. Science 180:312-5, 20 Apr 73

Alkaline phosphatase activity in fetal hind limbs of the mouse mutation brachypodism. Krotoski DM, et al.
Teratology 7:99-106, Feb 73

IMMUNOLOGY

The fate of methylcholanthrene tumor cells in bone: analysis of immune factors in host resistance. McLaughlin AP 3d, et al. J Surg Res 14:186-92, Mar 73

INJURIES

The diagnosis of the maltreatment syndrome in children. Fontana VJ.
Pediatrics 51:Suppl 4:780-2, Apr 73

INNERVATION

[Osteo-neural morphogenesis of extremity bones] Roth M.
Cas Lek Cesk 112:597-603, 11 May 73 (Eng. Abstr.) (Cze)

METABOLISM

Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects. Massry SG, et al. Ann Intern Med 78:357-64, Mar 73

Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases. Singer FR, et al. Ann Intern Med 78:365-9, Mar 73

Excretion and body distribution of promethium 147: a study in rats after intramuscular injection. Herman MW, et al. Arch Environ Health 26:260-3, May 73

Skeletal status in rheumatoid arthritis. A preliminary report. Mueller MN, et al.
Arthritis Rheum 16:66-70, Jan-Feb 73

Effect of vitamin D on bone mineral mass in normal subjects and in epileptic patients on anticonvulsants: a controlled therapeutic trial. Christiansen C, et al.
Br Med J 2:208-9, 28 Apr 73

Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al.
Br Med J 1:637-40, 17 Mar 73

The effect of tetracycline and oxytetracycline on the formation of biological apatite. Bachra BN, et al.
Calcif Tissue Res 11:95-6, 25 Jan 73

Bone growth in the neonatal rat. I. Biochemical aspects of bone protein synthesis. Kuftinec MM, et al.
Calcif Tissue Res 11:105-11, 19 Feb 73

The effect of insulin on bone resorption. Puche RC, et al. Calcif Tissue Res 12:8-15, 1973

Bone mineralization in tissue culture. The calcium-phosphate product and ratio. Ramp WK, et al.
Calcif Tissue Res 11:171-5, 19 Feb 73

Effect of acetylsalicyclic acid (aspirin) on bone collagen in children. Liakakos D, et al.
Clin Chim Acta 44:427-9, 30 Mar 73

A defect in the intramolecular and intermolecular cross-linking of collagen caused by penicillamine. 3. Accumulation of acid soluble collagen with a high hydroxylysine content in bone. Deshmukh K, et al.
Clin Orthop 91:186-96, Mar-Apr 73

Bone metabolism and composition in the protein-deprived rat. Le Roith D, et al.
Clin Sci 44:305-19, Apr 73

Effect of estrogen on the phospholipid metabolism of rat bone. Cruess RL, et al.
Endocrinology 92:961-3, Mar 73

Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al.
Endocrinology 92:692-7, Mar 73

On the metabolic equivalence of ingested, injected and inhaled 239 Pu citrate. Ballou JE, et al.
Health Phys 22:857-62, Jun 72

Distribution of thorium series nuclides in beagles after

intraspinal thorotrast injection. McNeill KG, et al. **Health Phys** 24:403-9, Apr 73

Characterization of the pro 1 chain of procollagen. Isolation of a sequence unique to the precursor chain. Von der Mark K, et al. **J Biol Chem** 248:2285-9, 10 Apr 73

Heparin osteoporosis. An experimental model using rats. Thompson RC Jr. **J Bone Joint Surg [Am]** 55:606-12, Apr 73

Diphosphonates. Experimental and clinical aspects. Russell RG, et al. **J Bone Joint Surg [Br]** 55:66-86, Feb 73 (77 ref.)

Effects of cortisone administration on the metabolism and localization of 25-hydroxycholecalciferol in the rat. Favus MJ, et al. **J Clin Invest** 52:1328-35, Jun 73

Experimental osteomyelitis. 3. Treatment with cephaloridine. Norden CW, et al. **J Infect Dis** 127:525-8, May 73

The mechanism of delayed biologic response following beryllium exposure. Clary JJ, et al. **J Occup Med** 15:255-9, Mar 73

Possible problems of large intakes of ascorbic acid. Brown RG. **JAMA** 224:1529-30, 11 Jun 73

Action of bone haemodynamics on lacunae-wall calcification. Deysine M. **Lancet** 1:805-7, 14 Apr 73

Calcium infusion in Paget's disease. Rapoport A, et al. **Lancet** 1:1128-9, 19 May 73

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. **Nature [New Biol]** 241:163-6, 7 Feb 73

Calcium transport and mobilization mediated by 1,25-dihydroxycholecalciferol. **Nutr Rev** 31:58-9, Feb 73

The use of photon densitometry to evaluate bone mineral in a group of patients with spinal cord injury. Griffiths HJ, et al. **Paraplegia** 10:279-84, Feb 73

Regulation of vitamin D metabolism and function. Omdahl JL, et al. **Physiol Rev** 53:327-72, Apr 73 (231 ref.)

Strontium-90 in human bone, October-December 1971. **Radiat Data Rep** 14:47-9, Jan 73

Comparison of the effectiveness of CaDTPA and ZnDTPA in removing 241 Am from the rat. Seidel A. **Radiat Res** 54:304-15, May 73

The use of plaster of Paris to fill large defects in bone. An experimental study to determine the ultimate fate of a measured amount of plaster of Paris inserted into the bone of a living animal. Wet IS de, et al. **S Afr J Surg** 11:1-8, Mar 73

1 -Hydroxy derivative of vitamin D 3 : a highly potent analog of 1 ,25-dihydroxyvitamin D 3 . Holick MF, et al. **Science** 180:190-1, 15 Apr 73

Tissue blood flow in the canine lower limb following lumbar sympathectomy. Rogers W, et al. **Vasc Surg** 6:227-38, Nov-Dec 72

Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al. **World Rev Nutr Diet** 17:164-88, 1973 (158 ref.)

[Reactive reconstruction of bone tissue. Clinical determination using 85 Sr] Kolář J, et al. **Cas Lek Cesk** 112:594-7, 11 May 73 (Eng. Abstr.) (Cze)

[Study on the effect of acidogenic substance on bone metabolism in the rat. Study using radiostrontium 85r] Krček L. **Cas Lek Cesk** 112:589-94, 11 May 73 (Eng. Abstr.) (Cze)

[Intra-osseous circulation investigation. Medullary function investigation] Ficat P, et al. **Sem Hop Paris** 49:587-92, 14 Feb 73 (Eng. Abstr.) (Fre)

[Diffusion of 45 Ca, 85 Sr, and 32 P in hydroxyapatite] Rösick U, et al. **Biophysik** 9:120-31, 1973 (Eng. Abstr.) (Ger)

[Significance of extensive bone metaplasia in Sr85 diagnostics] Kolář J, et al. **God Zb Med Fak Skopje** 118:319-25, Mar 73 (Eng. Abstr.) (Ger)

[Effect of basic diet and dietary tocopherole deficiency in the rat. I. Calcium, inorganic phosphorus and total nitrogen in the bone] Blåhser S. **Z Tierphysiol** 30:337-43, Jan 73 (Eng. Abstr.) (Ger)

[Further data concerning the pharmacodynamics of zinc] Marcu C, et al. **Fiziol Norm Patol** 18:541-8, Nov-Dec 72 (Eng. Abstr.) (Rum)

[Effect of hormones on bone metabolism] Schmidt UY, et al. **Probl Endokrinol (Mosk)** 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

[Fluoride exposure from fluoride-rich drinking water and bot industrial environment in a Swedish glass-works] Forsman B, et al. **Nord Hyg Tidskr** 54:6-11, 1973 (Eng. Abstr.) (Swe)

[The relationship between protein and mineral metabolism in bone tissue in rickets] Dmitriev IM. **Pediatr Akush Ginekol** 5:29-30, Oct 72 (Ukr)

[Antirachitic substances in cream] Palamarchuk VI. **Ukr Biokhim Zh** 44:247-51, 1972 (Eng. Abstr.) (Ukr)

PATHOLOGY

Influence of experimental hypothyreosis on the inner ear in rats. Femenić B, et al. **Acta Otolaryngol (Stockh)** 75:156-8, Feb-Mar 73

A study of nasal fracture healing. Janeke JB, et al. **Arch Otolaryngol** 97:253-5, Mar 73

Hydrazine-deproteinated bone mineral. Physical and chemical properties. Termine JD, et al. **Calcif Tissue Res** 12:73-90, 1973

Structure of human fluorotic bone. Aggarwal ND. **J Bone Joint Surg. [Am]** 55:331-4, Mar 73

Osteogenesis imperfecta: a histometric analysis. Falvo KA, et al. **J Bone Joint Surg [Am]** 55:275-86, Mar 73

Osteogenesis imperfecta. A histopathological case report. Milgram JW, et al. **J Bone Joint Surg [Am]** 55:506-15, Apr 73

Ankylosing spondylitis. **JAMA** 224:Suppl 5:729-31, 30 Apr 73

Clinical pathological conference. Hepatosplenomegaly, abdominal pain, anemia, and bone lesions. **JAMA** 224:502-10, 23 Apr 73

Metabolic bone disease in the elderly. Conacher WD. **Practitioner** 210:351-6, Mar 73

Alloxan diabetes and reduced bone density in rat mandible. Ramamurthy NS, et al. **Res Commun Chem Pathol Pharmacol** 5:614-20, May 73

Unusual variants of hyperparathyroidism. McLaren EH, et al. **S Afr Med J** 47:611-5, 14 Apr 73

Quantitative relations between osteoblasts and osteoid in primary hyperparathyroidism, intestinal malabsorption ad renal osteodystrophy. Olah AJ. **Virchows Arch [Pathol Anat]** 358:301-8, 19 Feb 73

[Methodical guidelines for the histological preparation of bone and bone marrow biopsies using paraffin technic] Schneider D, et al. **Gegenbaurs Morphol Jahrb** 118:228-33, 1972 (Eng. Abstr.) (Ger)

[Morphometric, electron microscopic and physico-chemical studies in experimental osteoporosis induced hy chronic acidosis in the rat] Delling G, et al. **Virchows Arch [Pathol Anat]** 358:321-30, 19 Feb 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Effect of diaphyseal surgery on radioactivity in the zone of growth of long bones. Experimental study. Kéry L, et al. **Acta Chir Acad Sci Hung** 13:259-67, 1972

Implantable transducer for in vivo measurement of bone strain. Mallon J, et al. **ISA Trans** 12:88-94, 1973

Bone remodeling and piezoelectricity. II. Gjelsvik A. **J Biomech** 6:187-93, Mar 73

Biomechanical evaluation of bone-porous material interfaces. Niles JL, et al. **J Biomed Mater Res** 7:231-51, Mar 73

Mechanical properties of bone as a function of rate of deformation. Panjabi MM, et al. **J Bone Joint Surg [Am]** 55:322-30, Mar 73

Deformation potentials in whole bone. Steinberg ME, et al. **J Surg Res** 14:254-9, Mar 73

[Bone reaction to mechanical impulses. IX. Significance of surface pressures for the modeling of diaphysis] Heft J. **Gegenbaurs Morphol Jahrb** 118:351-68, 1973 (Eng. Abstr.) (Ger)

[The harmful consequences of vibration (a survey of the foreign literature)] Morozov VN. **Voen Med Zh** 9:61-5, Sep 72 (10 ref.) (Rus)

PHYSIOPATHOLOGY

[Revascularization of osteotomized long tubular bones following stable and unstable osteosynthesis using intra- and extramedullary strength supports] Berg PA van de. **Ann Univ Sarav [Med]** 19:148-234, 1972 (Ger)

RADIATION EFFECTS

Effect of diaphyseal surgery on radioactivity in the

zone of growth of long bones. Experimental study. Kéry L, et al. Acta Chir Acad Sci Hung 13:259-67, 1972

On the possible influence of sinusoidal blood volume on the X-ray dose delivered to the marrow of trabecular bone in the rat. Maillie HD, et al. Health Phys 24:353-5, Mar 73

Time-dose and tumor volume relationships in the irradiation of squamous cell carcinoma of the tonsillar fossa. Shukovsky LJ, et al. Radiology 107:621-6, Jun 73

[Lesions of bone tissue following breast carcinoma treated radiotherapeutically] Guzecki A. Pol Przegl Radiol 37:277-81, Mar-Apr 73 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Some common orthopedic problems of children. Brashear HR. Am Fam Physician 7:120-31, Apr 73

Plasma infusions in the Hurler syndrome. Influence during the first year of life. Danes BS, et al. Am J Dis Child 125:533-5, Apr 73

Roentgenologic features of dermatomyositis of childhood. Ozonoff MB, et al. Am J Roentgenol Radium Ther Nucl Med 118:206-12, May 73

Roentgenographic manifestations of Leroy's I-cell disease. Taber P, et al. Am J Roentgenol Radium Ther Nucl Med 118:213-21, May 73

A microradiographic apparatus. Malcolm AS. Aust Dent J 17:454-60, Dec 72

The physical measurement of bone mineral in humans. 1. Measurement by diagnostic radiography. Papworth MP. Australas Radiol 16:320-4, Sep 72 (27 ref.)

A television scanning system for the measurement of the spatial variation of micro-density in bone sections. McQueen CM, et al. Calcif Tissue Res 11:124-32, 19 Feb 73

A complicated case of convulsions. Lancaster JR, et al. Clin Pediatr (Phila) 12:187-8, Mar 73

Radiologic manifestations of mongolism. Friedman GL. J Am Osteopath Assoc 72:619-27, Feb 73

Hypertrophic osteoarthropathy associated with a non-metastasising carcinoma of the oesophagus. Peirce TH, et al. J Ir Med Assoc 66:160-2, 24 Mar 73

Acbondrogenesis: case report and review of the literature. Xanthakos UF, et al. J Pediatr 82:658-63, Apr 73

Haemodialysis therapy and changes in skeletal calcium. Catto GR, et al. Lancet 813:1150-3, 23 May 73

Transient osteoporosis of the hip in pregnancy. Longstreth PL, et al. Obstet Gynecol 41:563-9, Apr 73

The diagnosis of the maltreatment syndrome in children. Fontana VJ. Pediatrics 51:Suppl 4:780-2, Apr 73

The roentgen manifestations of leukemia in infancy. Nixon GW, et al. Radiology 107:603-9, Jun 73

Alloxan diabetes and reduced bone density in rat mandible. Ramamurthy NS, et al. Res Commun Chem Pathol Pharmacol 5:614-20, May 73

Uremic polyneuropathic motor paralysis and immobilization hypercalcemia. Ravnskov U. Scand J Urol Nephrol 7:63-7, 1973

[Bone structure analysis using a radiographic magnification method] Rupp N, et al. Ged Zb Med Fak Skopje 118:335-9, Mar 73 (Eng. Abstr.) (Ger)

[Possibilities of radiologic determination of bone mineral concentration] Krokowski E. Radiologe 13:97-101, Mar 73 (Ger)

[Radiographic changes in the skeletal system of children with de Lange's syndrome] Barylak A, et al. Pol Przegl Radiol 36:707-11, Nov-Dec 72 (Eng. Abstr.) (Pol)

[Rate of maturation of hand bones and bones of the distal forearm in radiological picture] Popowicz K. Pol Przegl Radiol 37:177-85, Mar-Apr 73 (Eng. Abstr.) (Pol)

SURGERY

The dentist who made a million. 2. (Hall RM), Freese AS. Tic 32:7-10 concl, Feb 73

[Synovectomy of the wrist in rheumatoid disease] Jouglard JP. Rev Chir Orthop 58:423-6, Jul-Aug 72 (Fre)

[Revascularization of osteotomized long tubular bones following stable and unstable osteosynthesis using intra- and extramedullary strength supports] Berg PA van de. Ann Univ Sarav [Med] 19:148-234, 1972 (Ger)

TRANSPLANTATION

An approach for hip construction: broad visualization without osteotomy of the greater trochanter. Luck JV. Clin Orthop 91:70-85, Mar-Apr 73

[Physiopathology of pseudoarthrosis] Cech O, et al. Helv Chir Acta 40:259-62, Mar 73 (Ger)

CALCIFICATION, PHYSIOLOGIC

Staining the developing skeleton with murexide. Hill MF, et al. Acta Anat (Basel) 84:509-15, 1973

The mineral phase of experimental heterotopic osteogenesis in the ischemic rat kidney as shown by the calcium distribution. Lindholm TS, et al. Acta Chir Scand 139:229-35, 1973

Morphogenesis of the spheno-occipital and the presphenoidal synchondrosis in the cranial base of the fetal Wistar rat. Dorenbos J. Acta Morphol Neerl Scand 11:63-74, Mar 73

Ultrastructural and microradiographic characteristics of Sahrpey's fibers in dog alveolar bone. Shackleford JM. Ala J Med Sci 10:11-20, Jan 73

Pseudogout in the elderly. Angevine CD, et al. Arch Intern Med 131:693-6, May 73

The many facets of secondary hyperparathyroidism. Ball JH, et al. Arch Intern Med 131:746-9, May 73

X-ray diffraction examination of calcium phosphate in dental plaque. Kaufman HW, et al. Calcif Tissue Res 11:97-104, 19 Feb 73

Studies of the mechanism of biological calcification. IV. Ultrastructural analysis of calcifying tendon matrix. Luben RA, et al. Calcif Tissue Res 11:39-55, 25 Jan 73

The mineralization of hair follicle tissue. II. An in vitro study. Pearce EI, et al. Calcif Tissue Res 11:23-38, 25 Jan 73

Bone mineralization in tissue culture. The calcium-phosphate product and ratio. Ramp WK, et al. Calcif Tissue Res 11:171-5, 19 Feb 73

Sexual dimorphism in hand and wrist ossification. Thompson GW, et al. Growth 37:1-11, Mar 73

Biomechanical evaluation of bone-porous material interfaces. Niles JL, et al. J Biomed Mater Res 7:231-51, Mar 73

Beginning endochondral ossification in embryonic mouse radii. Scherft JP. J Ultrastruct Res 42:342-53, Feb 73

Action of bone haemodynamics on lacunae-wall calcification. Deysine M. Lancet 1:805-7, 14 Apr 73

Regulation of vitamin D metabolism and function. Omdahl JL, et al. Physiol Rev 53:327-72, Apr 73 (231 ref.)

Chick aorta pyrophosphatase. Chen M, et al. Proc Soc Exp Biol Med 143:44-9, May 73

[Absorption and redistribution of calcium in the lamellibranch mantle in relation to structure] Istin M, et al. Calcif Tissue Res 11:151-62, 19 Feb 73 (Eng. Abstr.) (Fre)

[Calcified granules of lamellibranch mantle studied by scanning electron probe] Roniel N, et al. Calcif Tissue Res 11:163-70, 19 Feb 73 (Eng. Abstr.) (Fre)

[The behavior of the pulp of multiple rooted teeth with wide apical foramen following the cutting of the blood vessel-nerve fascicle in the region of the apex] Waldhart E. Osterr Z Stomatol 70:11-33, Jan 73 (Ger)

[Circadian rhythm in the advancement of the calcification front in dog's dentin] Miani A, et al. Pol Tyg Lek 28:490-6, 2 Apr 73 (Eng. Abstr.) (Pol)

DRUG EFFECTS

Reactions of fluoride and carbonate ions during dissolution and mineralization of partially recalcified dentin. DeSteno CV, et al. Ala J Med Sci 10:80-6, Jan 73

Tetracycline effect on calcification of the molars of rat offspring. Thomas JP, et al. Ala J Med Sci 10:89-97, Jan 73

The effect of tetracycline and oxytetracycline on the formation of biological apatite. Bachra BN, et al. Calcif Tissue Res 11:95-6, 25 Jan 73

Effects of magnesium on calcification of young bone in tissue culture. Nielsen SP. Calcif Tissue Res 11:78-94, 25 Jan 73

Diphosphonates. Experimental and clinical aspects.

Russell RG, et al.
J Bone Joint Surg [Br] 55:66-86, Feb 73 (77 ref.)
Calcium transport and mobilization mediated by 1,25-dihydroxycholecalciferol.
Nutr Rev 31:58-9, Feb 73
[Antirachitic substances in cream] Palamarchuk VI. Ukr Biokhim Zh 44:247-51, 1972 (Eng. Abstr.) (Ukr)

CALCIUM

METABOLISM

The mineral phase of experimental heterotopic osteogenesis in the ischemic rat kidney as shown by the calcium distribution. Lindholm TS, et al.
Acta Chir Scand 139:229-35, 1973
Systematic serum calcium screening--will it be necessary? Waldenström JG.
Acta Med Scand 193:145-6, Mar 73
Calcium in salivary glands of the rat after duct ligation. Perec CJ, et al. Acta Physiol Lat Am 22:241-5, 1972
Tetracycline effect on calcification of the molars of rat offspring. Thomas JP, et al.
Ala J Med Sci 10:89-97, Jan 73
Calcium and phosphorus contents of dental plaques and microhardness changes of sample enamel in the human mouth. Zuniga MA, et al.
Ala J Med Sci 10:3-10, Jan 73
Effects of parathyroid hormone on renal tubular reabsorption of calcium, sodium, and phosphate. Agus ZS, et al. Am J Physiol 224:1143-8, May 73
Uncoupling of excitation from contraction by nickel in cardiac muscle. Ong SD, et al.
Am J Physiol 224:1092-8, May 73
Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects. Massry SG, et al. Ann Intern Med 78:357-64, Mar 73
Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases. Singer FR, et al. Ann Intern Med 78:365-9, Mar 73
Membrane transport. Oxender DL.
Annu Rev Biochem 41:777-814, 1972 (239 ref.)
Sarcoplasmic reticulum in Duchenne muscular dystrophy. Takagi A, et al.
Arch Neurol 28:380-4, Jun 73
Thyroid gland in the management of laryngopharyngeal cancer. Harrison DF.
Arch Otolaryngol 97:301-2, Apr 73
Ineffectiveness of calcitonin on osteoporosis in paraplegic rats. Braddom RL, et al.
Arch Phys Med Rehabil 54:170-4, Apr 73
Effect of some estrogens and progesterone on calcium uptake and calcium release by myometrial mitochondria. Batra SC.
Biochem Pharmacol 22:803-9, 1 Apr 73
Respiration of rat lung mitochondria and the influence of Ca 2+ on substrate utilization. Fisher AB, et al.
Biochemistry 12:1438-45, 27 Mar 73
Lipid composition, Ca 2+ uptake and Ca 2+ -stimulated ATPase activity of sarcoplasmic reticulum of the cardiomyopathic hamster. Owens K, et al.
Biochim Biophys Acta 296:71-8, 19 Jan 73
Caloric catastrophe. Minkoff L, et al.
Biophys J 13:167-78, Feb 73
Secondary hyperparathyroidism in patients with endemic skeletal fluorosis. Teotia SP, et al.
Br Med J 1:637-40, 17 Mar 73
New ideas on vitamin D. Br Med J 1:629-30, 17 Mar 73
Benign infantile spinal muscular atrophy. A prospective study. Wijngaarden GK van, et al.
Brain 96:163-70, 1973
A mathematical model for calcium homeostasis. Powell T. Bull Math Biophys 34:483-502, Dec 72
Studies of the mechanism of biological calcification. IV. Ultrastructural analysis of calcifying tendon matrix. Luben RA, et al. Calcif Tissue Res 11:39-55, 25 Jan 73
Bone mineralization in tissue culture. The calcium-phosphate product and ratio. Ramp WK, et al.
Calcif Tissue Res 11:171-5, 19 Feb 73
The mineral content and water compartments of liver and of Morris hepatomats 5123tc and 3924A and the changes of composition occurring during necrosis in hepatoma 3924A. Van Rossum GD, et al.
Cancer Res 33:1078-85, May 73
The net extrusion of calcium and its temporal relation to the accumulation of potassium in slices of rat liver and of Morris hepatomats 5123tc and 3924A. Van Rossum GD, et al. Cancer Res 33:1086-91, May 73
Conformational effects of mercurials on rat liver ribosomes: a comparison between the unmasking of a shielded protein in the 60S subunit by phenyl mercurials and EDTA. Sjöqvist A, et al.
Chem Biol Interact 6:131-48, Mar 73
Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73
Bone metabolism and composition in the protein-deprived rat. Le Roith D, et al.
Clin Sci 44:305-19, Apr 73
Metabolic effect of pyridinolcarbamate on rats kept on a high-fat and cholesterol diet or treated with calciferol. Grafnetter D, et al. Cor Vasa 15:58-69, 1973
Cardiac arrhythmias in infants and children. Hurwitz RA. Curr Probl Pediatr 3:3-47, Apr 73 (69 ref.)
The stimulus-secretion coupling of glucose-induced insulin release. XII. Effects of diazoxide and gliclazide upon 45 calcium efflux from perifused islets. Malaisse WJ, et al. Diabetologia 9:1-5, Feb 73
The mean duration of motor unit action potentials in patients with myasthenia gravis. Oosterhuis HJ, et al.
Electroencephalogr Clin Neurophysiol 32:697-700, Jun 72
Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary. Fleischer N, et al.
Endocrinology 92:1555-9, May 73
Partial purification of parathyroid hormone from chicken parathyroid glands. MacGregor RR, et al.
Endocrinology 92:1312-7, May 73
Effects of denervation on glycoproteins of rabbit gastrocnemius and soleus muscles. Cotrufo R, et al.
Exp Neurol 39:58-69, Apr 73
Stimulation by caffeine of the calcium efflux in barnacle muscle fibers. Chen S, et al.
Experientia 28:807-9, 15 Jul 72
The incorporation of 45 Ca into the egg of the medaka, Oryzias latipes. Hori R, et al.
Experientia 29:144-5, 15 Feb 73
Cell polarography. II. Effect of neuraminidase and follicular fluid upon the surface characteristics of human spermatozoa. Rosado A, et al.
Fertil Steril 24:349-54, May 73
Stimulation of intestinal mucosal proliferation by vitamin D. Birge SJ, et al.
Gastroenterology 64:977-82, May 73
The pituitary gland and calcium metabolism in Fundulus diaphanus (teleostei). Pang PK, et al.
Gen Comp Endocrinol 20:358-61, Apr 73
Interference of uranyl chloride with structure and function of molecules active at the central nervous system level. Marzotto A, et al.
Int J Vitam Nutr Res 43:3-11, 1973
Occurrence and characteristics of a rapid exchange of phosphate oxygens catalyzed by sarcoplasmic reticulum vesicles. Kanazawa T, et al.
J Biol Chem 248:3163-72, 10 May 73
Substrate regulation of membrane phosphorylation and of Ca 2+ transport in the sarcoplasmic reticulum. Meis L de, et al. J Biol Chem 248:3691-701, 25 May 73
Induction of transmembrane proton transfer by mercurials in mitochondria. I. Ion movements accompanying transmembrane proton transfer. Southard JH, et al. J Biol Chem 248:3546-50, 25 May 73
Diphosphonates. Experimental and clinical aspects. Russell RG, et al.
J Bone Joint Surg [Br] 55:66-86, Feb 73 (77 ref.)
Effects of cortisone administration on the metabolism and localization of 25-hydroxycholecalciferol in the rat. Favus MJ, et al. J Clin Invest 52:1328-35, Jun 73
Effects of prepartum energy intake and calcium to phosphorus ratios on lactation response and parturient paresis. Gardner RW, et al.
J Dairy Sci 56:385-9, Mar 73
Calcium uptake and associated adenosine triphosphatase activity of isolated platelet membranes. Robblee LS, et al.
J Gen Physiol 61:462-81, Apr 73
Comparative studies on oxygen consumption, electrolyte metabolism and ultrastructure of the isolated rabbit choroid plexus. Voth D, et al.
J Hirnforsch 13:489-508, 1973 (Eng. Abstr.) (Ger)
The contribution of the colon to electrolyte and water conservation in man. Phillips SF, et al.
J Lab Clin Med 81:733-46, May 73
Tetracycline fluorescence as calcium-probe for nerve membrane with some model studies using erythrocyte ghosts. Hallett M, et al. J Membr Biol 10:31-44, 1972
An effect of ouabain on the superficially-located stores of calcium in cardiac muscle cells. Nayler WG.
J Mol Cell Cardiol 5:101-10, Feb 73
Identification of a calcium-binding, brain specific

protein in the axoplasm of squid giant axons. Alemà S, et al. J Neurochem 20:681-9, Mar 73

Alterations in cation levels and Na-K ATPase activity in rat cerebral cortex during the development of cobalt-induced epilepsy. Hunt WA, et al. J Neurochem 20:559-67, Feb 73

Evidence for involvement of Ca 2+ in the incorporation of 32 P i into the phosphatidylinositol of rat diaphragm. Lennon AM, et al. J Neurochem 20:337-45, Feb 73

Structural changes in myosin in dystrophic, denervated and regenerating muscle in mice. John HA, et al. J Neurol Sci 18:421-33, Apr 73

Alterations in absorption of dicumarol by various excipient materials. Akers MJ, et al. J Pharm Sci 62:391-5, Mar 73

Inhibition of Ca ++ transport into rat brain synaptosomes by diphenylhydantoin (DPH). Sohn RS, et al. J Pharmacol Exp Ther 185:272-5, May 73

Calcium release and vasopressin action in toad bladder. Cuthbert AW, et al. J Physiol (Lond) 230:61P-62P, Apr 73

Uptake of calcium and magnesium by rat duodenal mucosa analysed by means of competing metals. O'Donnell JM, et al. J Physiol (Lond) 229:733-49, Mar 73

The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits. Suko J. J Physiol (Lond) 228:563-82, Feb 73

Sixty days in a submarine: the pathophysiological and metabolic cost. Davies DM. J R Coll Physicians Lond 7:132-44, Jan 73

Possible problems of large intakes of ascorbic acid. Brown RG. JAMA 224:1529-30, 11 Jun 73

Vitamin D: a reawakening. Palmisano PA. JAMA 224:1526-7, 11 Jun 73 (18 ref.)

Action of bone haemodynamics on lacunae-wall calcification. Deysine M. Lancet 1:805-7, 14 Apr 73

Allopurinol in calcium-stone formation. Gertner JJ. Lancet 1:834, 14 Apr 73

Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al. Lancet 1:626-8, 24 Mar 73

Calcium infusion in Paget's disease. Rapoport A, et al. Lancet 1:1128-9, 19 May 73

Intestinal absorption of calcium. Wills MR. Lancet 1:820-2, 14 Apr 73

Uncoupling of fragmented sarcoplasmic reticulum's calcium uptake and extra ATPase activity found in the absence of oxalate. McFarland BH, et al. Life Sci [II] 12:385-93, 8 May 73

Diagnosis of hemorrhagic disorders. Nemerson Y. Med Clin North Am 57:531-41, Mar 73 (30 ref.)

Calcium ions and muscle contraction. Ebashi S. Nature 240:217-8, 24 Nov 72 (22 ref.)

Contractile effects of a calcium ionophore. Levy JV, et al. Nature 242:461-3, 13 Apr 73

Neural control on the activity of the calcium-transport system in sarcoplasmic reticulum of rat skeletal muscle. Margreth A, et al. Nature 241:285-6, 26 Jan 73

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feb 73

Theophylline-induced translocation of calcium in the pancreatic beta cell: inhibition by deuterium oxide. Malaisse WJ. Nature [New Biol] 242:189-90, 11 Apr 73

Effect of human calcitonin on the sarcoplasmic reticulum of the human heart. Hakim A. Naturwissenschaften 60:53, Jan 73

Effects of k-strophanthin and digitoxigenin on contractile force, calcium content and exchange in guinea-pig isolated atria. Heinen E, et al. Naunyn Schmiedebergs Arch Pharmacol 275:359-71, 29 Dec 72

Calcium transport and mobilization mediated by 1,25-dihydroxycholecalciferol. Nutr Rev 31:58-9, Feb 73

Serum parathyroid hormone and blood minerals: interrelationships in normal children. Arnaud SB, et al. Pediatr Res 7:485-93, May 73

On the cellular mechanism of the inotropic action of acetylcholine on isolated rabbit and dog atria. Prokopczuk A, et al. Pfluegers Arch 339:305-16, 1973

Ion distribution and the role of calcium in cellular function. Ion distribution and ion movements in smooth muscle. Brading AF. Philos Trans R Soc Lond [Biol Sci] 265:35-46, 15 Mar 73

Factors controlling cytoplasmic Ca 2+ concentration. Breemen C van, et al. Philos Trans R Soc Lond [Biol Sci] 265:57-71, 15 Mar 73

The action of catecholamines on guinea-pig taenia coli. Bülbring E, et al. Philos Trans R Soc Lond [Biol Sci] 265:115-21, 15 Mar 73

Cellular structures and electrophysiological behaviour. Fine structure of smooth muscle. Gabella G. Philos Trans R Soc Lond [Biol Sci] 265:7-16, 15 Mar 73

A discussion on recent developments in vertebrate smooth muscle physiology. A survey of new findings and the discussions arising during sessions I. II and 3. Holman ME. Philos Trans R Soc Lond [Biol Sci] 265:157-65, 15 Mar 73 (24 ref.)

Adrenergic influences on uterine smooth muscle. Marshall JM, et al. Philos Trans R Soc Lond [Biol Sci] 265:135-48, 15 Mar 73

Na-Ca exchange and tension development in arterial smooth muscle. Reuter H, et al. Philos Trans R Soc Lond [Biol Sci] 265:87-94, 15 Mar 73

The influence of temperature on the thick filaments of vertebrate smooth muscle. Shoenberg CF. Philos Trans R Soc Lond [Biol Sci] 265:197-202, 15 Mar 73

The stimulant action of acetylcholine and catecholamines on the uterus. Szurszewski JH, et al. Philos Trans R Soc Lond [Biol Sci] 265:149-56, 15 Mar 73

Factors controlling myogenic activity in smooth muscle. Tomita T, et al. Philos Trans R Soc Lond [Biol Sci] 265:73-85, 15 Mar 73

Regulation of vitamin D metabolism and function. Omdahl JL, et al. Physiol Rev 53:327-72, Apr 73 (231 ref.)

85 Sr and 45 Ca absorption and intestinal mitochondria uptake after perfusion with calcium and strontium. Mraz FR. Poult Sci 51:2065-8, Nov 72

Evidence for Mg 2+ -dependent, Na + + K + -activated ATPase and Ca 2+ -ATPase in the human term placenta. Miller RK, et al. Proc Soc Exp Biol Med 143:118-22, May 73

Strain differences in subcellular calcium distribution in striated muscle of the mouse. Mokler CM, et al. Proc Soc Exp Biol Med 142:919-23, Mar 73

The ultrastructure of the shell forming region of the oviduct and the development of the shell of Gallus domesticus. Wyburn GM, et al. Q J Exp Physiol 58:143-51, Apr 73

1 -Hydroxy derivative of vitamin D 3 : a highly potent analog of 1 ,25-dihydroxyvitamin D 3 . Holick MF, et al. Science 180:190-1, 15 Apr 73

Light-induced changes in the ultrastructure of a plasmodial myxomycete. Daniel JW, et al. Tissue Cell 4:405-26, 1972

Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al. World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

[Hepatobiliary osteopathy] Mířejovský P. Cesk Patol 9:24-30, Feb 73 (Eng. Abstr.) (Cze)

[Pharmacology of digitalis receptors] Godfraind T. Bull Acad R Med Belg 12:403-48, 1972 (68 ref.) (Eng. Abstr.) (Fre)

[Analysis in voltage-clamp of membrane currents in crab muscular fibers] Mounier Y, et al. C R Acad Sci [D] (Paris) 276:173-6, 8 Jan 73 (Fre)

[Effects of exogenous mineral silicium on inorganic components of different tissues in atheromatous rabbits] Charnot Y, et al. C R Soc Biol (Paris) 166:996-1000, 1972 (Fre)

[Absorption and redistribution of calcium in the lamellibranch mantle in relation to structure] Istin M, et al. Calcif Tissue Res 11:151-62, 19 Feb 73 (Eng. Abstr.) (Fre)

[Calcified granules of lamellibranch mantle studied by scanning electron probe] Roniel N, et al. Calcif Tissue Res 11:163-70, 19 Feb 73 (Eng. Abstr.) (Fre)

[Metsbolic studies on calcified tissue following local and internal influence of saccharose] Koljesnik AG, et al. Dtsch Stomatol 23:1-8, Jan 73 (Eng. Abstr.) (Ger)

[Estrogen deficiency causing osteoporosis in older women] Cyran W. Fortschr Med 91:425-6, 12 Apr 73 (Ger)

[Importance of magnesium metsbolism in pediatrics. 1. Function of magnesium, physiology of Mg-metsbolism] Stober B. Fortschr Med 91:51-4, 18 Jan 73 (Ger)

[Physiopathology of pseudoarthrosis] Cech O, et al.
Helv Chir Acta 40:259-62, Mar 73 (Ger)
[Morphology, biochemistry and function of the proteoglycans in dermatology] Kimmig J, et al.
Klin Wochenschr 51:207-13, 1 Mar 73 (98 ref.) (Ger)
[Magnesium--an anticoagulant physiological electrolyte] Erödi A.
Med Klin 68:216-9, 16 Feb 73 (32 ref.) (Ger)
[Changes of tension of isolated coronary arteries by depolarization and-or noradrenaline before and after blockade of the adrenoceptors] Schmidt E, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:383-92, 29 Dec 72 (Eng. Abstr.) (Ger)
[Calcium metabolism during antiepileptic therapy] Kraft D, et al. Nervenarzt 44:150-4, Mar 73 (Ger)
[Radioisotope studies of calcium and bone metabolism in systemic skeletal diseases] Sack H.
Radiologe 13:125-7, Mar 73 (Ger)
[Influence of roentgen rays on electrolyte changes and metabolism in the myocardium. I. Radiation-induced calcium changes in the isolated guinea pig atrium] Prignitz R, et al.
Strahlentherapie 145:207-15, Feb 73 (Eng. Abstr.) (Ger)
[Effect of basic diet and dietary tocopherole deficiency in the rat. I. Calcium, inorganic phosphorus and total nitrogen in the bone] Blähser S.
Z Tierphysiol 30:337-43, Jan 73 (Eng. Abstr.) (Ger)
[Membrane excitation and contraction of myocardial cells] Goto M, et al.
Jap J Clin Med 31:45-51, Jan 73 (49 ref.) (Jap)
[Effect of vitamin D-3 and its metabolites on calcium transport] Kawalec M.
Postepy Hig Med Dosw 27:113-24, Jan-Feb 73 (Eng. Abstr.) (Pol)
[Statement of the possible role of adenyl cyclase system and cyclic adenosine monophosphate in the carcinogenesis process] Jędrzejczak W.
Przegl Lek 30:316-20, 1973 (30 ref.) (Pol)
[Effect of a constant magnetic field on changes in the electrolyte concentration of animal blood and organs] Markuze II, et al.
Izv Akad Nauk SSSR [Biol] 2:281-3, Mar-Apr 73 (Eng. Abstr.) (Rus)
[The course of closed cranio-cerebral injury under high altitude conditions] Khodzhaev ZP.
Vopr Neirokhir 36:21-5, Nov-Dec 72 (Eng. Abstr.) (Rus)
[Action of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and prostaglandins E 1 and E 2] Bondani A, et al.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Spa)
[Intestinal absorption of calcium 47 in hepatic cirrhosis] Aznar Reig A, et al.
Rev Clin Esp 128:467-74, 31 Mar 73 (Eng. Abstr.) (Spa)
[Intracellular distribution of calcium in the skeletal muscles in experimental muscular dystrophy] Grigor'eva VA, et al.
Ukr Biokhim Zh 45:24-8, 1973 (Eng. Abstr.) (Ukr)

CHOLECALCIFEROL

ADMINISTRATION & DOSAGE

Stimulation of intestinal mucosal proliferation by vitamin D. Birge SJ, et al.
Gastroenterology 64:977-82, May 73

BIOSYNTHESIS

Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73
The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73

BLOOD

Serum alkaline phosphatase and rickets. Cooke WT, et al. Br Med J 2:302-3, 5 May 73
Osteomalacia after prolonged glutethimide administration. Greenwood RH, et al.
Br Med J 1:643-5, 17 Mar 73

CHEMICAL SYNTHESIS

A convenient synthesis of 1 -hydroxy-vitamin D 3 . Barton DH, et al. J Am Chem Soc 95:2748-9, 18 Apr 73
1 -Hydroxy derivative of vitamin D 3 : a highly potent analog of 1,25-dihydroxyvitamin D 3 . Holick MF, et al. Science 180:190-1, 15 Apr 73

METABOLISM

Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)
From vitamin to hormone. JAMA 224:1286-7, 28 May 73
Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al.
Lancet 1:626-8, 24 Mar 73
Calcium transport and mobilization mediated by 1,25-dihydroxycholecalciferol.
Nutr Rev 31:58-9, Feb 73
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
[Vitamin D. Fascinating research results in relation to the anti-epileptics] Naess K.
Tidsskr Nor Laegeforen 93:191-3, 30 Jan 73 (Nor)
[Effect of vitamin D-3 and its metabolites on calcium transport] Kawalec M.
Postepy Hig Med Dosw 27:113-24, Jan-Feb 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Biologic action of 1,25-dihydroxy-vitamin D3 in the rachitic dog. Brickman AS, et al.
Endocrinology 92:728-34, Mar 73
Stimulation of intestinal mucosal proliferation by vitamin D. Birge SJ, et al.
Gastroenterology 64:977-82, May 73
Intestinal absorption of phosphate in the chick: effect of vitamin D and other parameters. Wasserman RH, et al. J Nutr 103:586-99, Apr 73
1 -Hydroxy derivative of vitamin D 3 : a highly potent analog of 1,25-dihydroxyvitamin D 3 . Holick MF, et al. Science 180:190-1, 15 Apr 73
[Effect of vitamin D-3 and its metabolites on calcium transport] Kawalec M.
Postepy Hig Med Dosw 27:113-24, Jan-Feb 73 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Intestinal absorption of calcium. Wills MR.
Lancet 1:820-2, 14 Apr 73

THERAPEUTIC USE

Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73
Intestinal absorption of phosphate in the chick: effect of vitamin D and other parametera. Wasserman RH, et al. J Nutr 103:586-99, Apr 73
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
[Treatment of certain aspects of stuttering] Weiss B, et al. Acta Otorhinolaryngol Belg 27:38-41, 1973 (Fre)
[Vitamin D. Fascinating research results in relation to the anti-epileptics] Naess K.
Tidsskr Nor Laegeforen 93:191-3, 30 Jan 73 (Nor)

DIHYDROTACHYSTEROL

Observations on the nontoxicity of Worcesterahire sauce in the rat kidney. Kovacs K, et al.
Int J Vitam Nutr Res 43:81-3, 1973

ADMINISTRATION & DOSAGE

Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73

METABOLISM

Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73

PHARMACODYNAMICS

Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73

THERAPEUTIC USE

Magnesium-induced reversal of vitamin-D resistance in hypoparathyroidism. Rösler A, et al. Lancet 1:803-4, 14 Apr 73

ERGOCALCIFEROL

Conversion of calciferols to isotachysterols hy trifluoroacetic acid. Sklan D, et al. Anal Biochem 52:584-8, Apr 73

The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al. J Biol Chem 248:2969-73, 10 May 73

ADMINISTRATION & DOSAGE

Metaholic effect of pyridinolcarbamate on rats kept on a high-fat and cholesterol diet or treated with calciferol. Grafnetter D, et al. Cor Vasa 15:58-69, 1973

ANALYSIS

The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al. J Biol Chem 248:2969-73, 10 May 73

METABOLISM

Interactions of nutrients with oral contraceptives and other drugs. Butterworth CE Jr. J Am Diet Assoc 62:510-4, May 73

Vitamin D: a reawakening. Palmisano PA. JAMA 224:1526-7, 11 Jun 73 (18 ref.)

PHARMACODYNAMICS

Calcification of the rat testis hy some rare earth and radioactive metallic salts. Sharma SN, et al. Exp Pathol (Jena) 7:176-81, 1972

THERAPEUTIC USE

Primary hypophosphatemic rickets in an elderly woman. Burnett V, et al. Arch Intern Med 131:581-7, Apr 73

Resistant hypoparathyroidism and magnesium depletion. Scott ME. Lancet 1:1005, 5 May 73

Rickets in Glasgow today. Arneil GC. Practitioner 210:331-9, Mar 73

Metabolic hone disease in the elderly. Conacher WD. Practitioner 210:351-6, Mar 73

Uremic polyneuropathic motor paralysis and immohilization hypercalcemia. Ravnskov U. Scand J Urol Nephrol 7:63-7, 1973

Hyperparathyroidism today. Paloyan E, et al. Surg Clin North Am 53:211-20, Feh 73

[Neuromuscular excitahility in the electromyographic diagram and etiopathogenesis of stuttering studied in the light of our research] Weiss B. Acta Otorhinolaryngol Belg 27:34-7, 1973 (Fre)

[A case of vitamin-resistant hypophosphoremic osteomalacia in an adult: effect of thyrocalcitonin and course under vitamin-phosphorus treatment] Renier JC, et al. Rhumatologie 24:247-56, Aug-Sep 72 (Fre)

HYDROXYCHOLECALCIFEROL

Nuclear and cytoplasmic receptors for 1,25-dihydroxycholecalciferol in intestinal mucosa. Brumbaugh PF, et al. Biochem Biophys Res Commun 51:74-80, 5 Mar 73

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney hy parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feh 73

ANALYSIS

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney hy parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feh 73

BIOSYNTHESIS

New ideas on vitamin D. Br Med J 1:629-30, 17 Mar 73

Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al. Lancet 1:626-8, 24 Mar 73

BLOOD

Effects of cortisone administration on the metaholism and localization of 25-hydroxycholecalciferol in the rat. Favus MJ, et al. J Clin Invest 52:1328-35, Jun 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73

Nature of defect responsihle for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. Trans Assoc Am Physicians 85:172-80, 1972

METABOLISM

New ideas on vitamin D. Br Med J 1:629-30, 17 Mar 73

Effects of cortisone administration on the metaholism and localization of 25-hydroxycholecalciferol in the rat. Favus MJ, et al. J Clin Invest 52:1328-35, Jun 73

Vitamin D: a reawakening. Palmisano PA. JAMA 224:1526-7, 11 Jun 73 (18 ref.)

Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feh 73

Vitamin D. Metsbolism and mechanism of action. Olson EB Jr, et al. World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

THERAPEUTIC USE

Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al. World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

HYPERCALCEMIA

Serum phosphate and calcium and phosphate excretion at different levels of serum calcium in hyperparathyroidism. Wibell L, et al. Acta Med Scand 193:161-5, Mar 73

Hypercalcemic crisis: diagnosis and treatment. Marya RK. Indian J Med Sci 27:51-6, Jan 73

[Fahr's diseases. Biological and anatomical study. Absence of biological signs for hypoparathyroidism] Hamida MB, et al. Ann Med Interne (Paris) 123:909-21, Nov 72 (Eng. Abstr.) (Fre)

[Therapeutics in 1972] Perrault M, et al. Rev Prat 22:4573-95, 21 Dec 72 (Fre)

BLOOD

Plasma phosphate and potassium levels in the hypercalcemia of malignant disease. Zilva JF, et al. J Clin Endocrinol Metab 36:1019-26, May 73

CHEMICALLY INDUCED

1,2-Dichloroethane poisoning. Yodaiken RE, et al. Arch Environ Health 26:281-4, May 73

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al. Endocrinology 92:1328-33, May 73

Estrogen-induced hypercalcemia. Boasberg P. JAMA 224:1190, 21 May 73

Vitamin D: a reawakening. Palmisano PA. JAMA 224:1526-7, 11 Jun 73 (18 ref.)

COMPLICATIONS

Some aspects of sarcoidosis. Azar HA, et al. Curr Top Pathol 57:49-80, 1973

Parathyroidectomy for symptomless hyperparathyroidism. West TE, et al. Lancet 1:1005, 5 May 73

[Association of congenital lesions and sequelae of idiopathic hypercalcemia taking the form of multiple stenosis of the aortic pathway and of a mitral stenosis] Warembourg H, et al. Arch Mal Coeur 65:1349-56, Nov 72 (Eng. Abstr.) (Fre)

[Pseudohyperparathyroidism as a paraneoplastic syndrome in a care of carcinoma of the stomach] Wahl AR, et al. Dtsch Med Wochenschr 98:565-8, 16 Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical

screening. Heedman PA, et al.
Acta Med Scand 193:167-73, Mar 73
Hypercalcemia in adrenocortical insufficiency.
Jorgensen H. Acta Med Scand 193:175-9, Mar 73
Hypercalcemic crisis: diagnosis and treatment. Marya RK. Indian J Med Sci 27:51-6, Jan 73
Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Neelon FA, et al. Lancet 1:631-3, 24 Mar 73

DRUG THERAPY

Porcine calcitonin (Calcitare).
Drug Ther Bull 11:9-10, 2 Feb 73
Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al.
Endocrinology 92:1328-33, May 73
Immobilization hypercalcemia. Some new aspects of diagnosis and treatment. Lawrence GD, et al.
J Bone Joint Surg [Am] 55:87-94, Jan 73
[Thyrocalcitonin: value in pediatrics (apropos of 3 cases)] Gaudier B, et al.
Lille Med 17:1427-31, Nov 72 (Fre)

ETIOLOGY

Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical screening. Heedman PA, et al.
Acta Med Scand 193:167-73, Mar 73
Hypercalcemia in adrenocortical insufficiency.
Jorgensen H. Acta Med Scand 193:175-9, Mar 73
Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation. Cerilli J, et al.
Am J Surg 125:636-8, May 73
Hypercalcemia and normal ionized serum calcium in a case of myelomatosis. Lindgärde F, et al.
Ann Intern Med 78:396-9, Mar 73
Hemodialysis in myelomatosis. Lock JP, et al.
Ann Intern Med 78:454, Mar 73
Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases. Singer FR, et al. Ann Intern Med 78:365-9, Mar 73
The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al.
Arch Biochem Biophys 154:566-74, Feb 73
The many facets of secondary hyperparathyroidism. Bali JH, et al. Arch Intern Med 131:746-9, May 73
Hypercalcemic crisis: diagnosis and treatment. Marya RK. Indian J Med Sci 27:51-6, Jan 73
Immobilization hypercalcemia. Some new aspects of diagnosis and treatment. Lawrence GD, et al.
J Bone Joint Surg [Am] 55:87-94, Jan 73
Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73
Uremic polyneuropathic motor paralysis and immobilization hypercalcemia. Ravnskov U.
Scand J Urol Nephrol 7:63-7, 1973
Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Monchik JM, et al.
Surgery 73:782-5, May 73
[Hypercalcemia as the primary manifestation of lymphosarcoma] Lewinski U, et al.
Harefuah 83:554-7, 15 Dec 72 (Eng. Abstr.) (Heb)

FAMILIAL & GENETIC

Familial hyperparathyroidism. Mild hypercalcemia in at least nine members of a kindred. Marx SJ, et al.
Ann Intern Med 78:371-7, Mar 73

OCCURRENCE

Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical screening. Heedman PA, et al.
Acta Med Scand 193:167-73, Mar 73

PATHOLOGY

[Hypercalcemia as the primary manifestation of lymphosarcoma] Lewinski U, et al.
Harefuah 83:554-7, 15 Dec 72 (Eng. Abstr.) (Heb)

PHYSIOPATHOLOGY

Stimulation of pancreatic secretion of enzymes by acute hypercalcaemia in man. Goebell H, et al.
Eur J Clin Invest 3:98-104, Mar 73
The influences of acute hyper- and hypocalcemia and of calcitonin on exocrine pancreatic function in man. Hotz J, et al. Res Exp Med (Berl) 160:152-65, 1973

PREVENTION & CONTROL

Hypercalcemia in adrenocortical insufficiency.
Jorgensen H. Acta Med Scand 193:175-9, Mar 73
The treatment of multiple myeloma. Farhangi M, et al.
Semin Hematol 10:149-61, Apr 73

THERAPY

The many facets of secondary hyperparathyroidism. Bali JH, et al. Arch Intern Med 131:746-9, May 73
Hypercalcemic crisis: diagnosis and treatment. Marya RK. Indian J Med Sci 27:51-6, Jan 73

OSTEOGENESIS IMPERFECTA

COMPLICATIONS

Aortic regurgitation and aneurysm of sinus of Valsalva associated with osteogenesis imperfecta. Heppner RL, et al. Am J Cardiol 31:654-7, May 73

DRUG THERAPY

Calcitonin in osteogenesis imperfecta. Smith R, et al.
Br Med J 2:114, 14 Apr 73
Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta. Goldfield EB, et al. JAMA 221:1127-9, 4 Sep 72

ENZYMOLOGY

Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta. Goldfield EB, et al. JAMA 221:1127-9, 4 Sep 72

ETIOLOGY

Calcitonin in osteogenesis imperfecta. Smith R, et al.
Br Med J 2:114, 14 Apr 73
Osteogenesis imperfecta: a histometric analysis. Falvo KA, et al. J Bone Joint Surg [Am] 55:275-86, Mar 73
Osteogenesis imperfecta. A histopathological case report. Milgram JW, et al.
J Bone Joint Surg [Am] 55:506-15, Apr 73

FAMILIAL & GENETIC

Blue sclerae and keratoconus: key features of a distinct heritable disorder of connective tissue. Greenfield G, et al. Clin Genet 4:8-16, 1973
Heritable disorders of connective tissue.
JAMA 224:Suppl 5:774-6, 30 Apr 73

METABOLISM

Calcitonin in osteogenesis imperfecta. Smith R, et al.
Br Med J 2:114, 14 Apr 73

PATHOLOGY

Osteogenesis imperfecta: a histometric analysis. Falvo KA, et al. J Bone Joint Surg [Am] 55:275-86, Mar 73
Osteogenesis imperfecta. A histopathological case report. Milgram JW, et al.
J Bone Joint Surg [Am] 55:506-15, Apr 73
A case of osteogenesis imperfecta, diagnosed in utero.
Furness ET, et al. Med J Aust 1:390-2, 24 Feb 73

RADIOGRAPHY

Osteogenesis imperfecta. A histopathological case report. Milgram JW, et al.
J Bone Joint Surg [Am] 55:506-15, Apr 73
A case of osteogenesis imperfecta, diagnosed in utero.
Furness ET, et al. Med J Aust 1:390-2, 24 Feb 73
Osteogenesis imperfecta diagnosed in utero. Southall DB. Med J Aust 1:566, 17 Mar 73

SURGERY

Anesthetic management of intramedullary nailing in osteogenesis imperfecta: report of a case. Oliverio RM Jr. Anesth Analg (Cleve) 52:232-6, Mar 73

THERAPY

Air splints for long-term management of osteogenesis imperfecta. Furey JG, et al.
J Bone Joint Surg [Am] 55:645-9, Apr 73

URINE

Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta. Goldfield EB, et al. JAMA 221:1127-9, 4 Sep 72

OSTEOMALACIA

BLOOD

Osteomalacia after prolonged glutethimide administration. Greenwood RH, et al.
Br Med J 1:643-5, 17 Mar 73

CHEMICALLY INDUCED

Osteomalacia after prolonged glutethimide administration. Greenwood RH, et al.
Br Med J 1:643-5, 17 Mar 73
[Hydantoins today] Perrault M, et al.
Rev Prat 22:4641-7, 21 Dec 72 (Fre)

COMPLICATIONS

Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al.
J Clin Pathol 26:83-101, Feb 73

DIAGNOSIS

Metabolic bone disease in the elderly. Conacher WD.
Practitioner 210:351-6, Mar 73
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
Parathyroid hormone concentrations in postgastrectomy patients. Joffe BI, et al.
S Afr Med J 47:659-60, 21 Apr 73
[A case of vitamin-resistant hypophosphoremic osteomalacia in an adult: effect of thyrocalcitonin and course under vitamin-phosphorus treatment] Renier JC, et al. Rhumatologie 24:247-56, Aug-Sep 72 (Fre)
[Scintigraphic studies in systemic skeletal diseases] Bessler W. Radiologe 13:117-24, Mar 73 (Ger)

DRUG THERAPY

[A case of vitamin-resistant hypophosphoremic osteomalacia in an adult: effect of thyrocalcitonin and course under vitamin-phosphorus treatment] Renier JC, et al. Rhumatologie 24:247-56, Aug-Sep 72 (Fre)

ENZYMOLOGY

Osteomalacia after prolonged glutethimide administration. Greenwood RH, et al.
Br Med J 1:643-5, 17 Mar 73

ETIOLOGY

Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. Lancet 809:910-2, 28 Apr 73
Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al. Lancet 1:626-8, 24 Mar 73
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73
The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73
Skeletal changes in patients on regular hemodialysis. Simpson W, et al. Radiology 107:313-20, May 73
Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73
[Osteomalacia, intestinal malabsorption, polyadenopathy and inflammatory polyarthritis due to stagnant loop syndrome] Rogé J, et al.
Sem Hop Paris 49:163-74, 14 Jan 73 (Eng. Abstr.) (Fre)
[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al.
Med Welt 24:517-22, 6 Apr 73 (Ger)
[Thyrotoxic oesteopathies] Zweymüller K, et al.
Munch Med Wochenschr 115:548-53, 30 Mar 73 (Eng. Abstr.) (Ger)
[X-ray changes in the bones of patients with chronic kidney insufficiency treated by chronic intermittent dialysis] Suchánek A, et al.
Cesk Radiol 27:85-90, Mar 73 (Eng. Abstr.) (Slo)

METABOLISM

[Radioisotope studies of calcium and bone metabolism in systemic skeletal diseases] Sack H.
Radiologe 13:125-7, Mar 73 (Ger)

OCCURRENCE

Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. Lancet 809:910-2, 28 Apr 73
The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73

PATHOLOGY

Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al.
J Clin Pathol 26:83-101, Feb 73
Quantitative relations between osteoblasts and osteoid in primary hyperparathyroidism, intestinal malabsorption ad renal osteodystrophy. Olah AJ.
Virchows Arch [Pathol Anat] 358:301-8, 19 Feb 73
[A case of vitamin-resistant hypophosphoremic osteomalacia in an adult: effect of thyrocalcitonin and course under vitamin-phosphorus treatment] Renier JC, et al. Rhumatologie 24:247-56, Aug-Sep 72 (Fre)

PREVENTION & CONTROL

Effect of low doses of disodium ethane-1-hydroxy-1, 1-diphosphonate on disuse osteoporosis in the denervated cat tail. Elsasser JC, et al.
Clin Orthop 91:235-42, Mar-Apr 73
[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al.
Med Welt 24:517-22, 6 Apr 73 (Ger)

RADIOGRAPHY

Metabolic bone disease in the elderly. Conacher WD.
Practitioner 210:351-6, Mar 73
[Results of microradiography in bone diseases] Heuck F. Radiologe 13:102-10, Mar 73 (Ger)
[X-ray changes in the bones of patients with chronic kidney insufficiency treated by chronic intermittent dialysis] Suchánek A, et al.
Cesk Radiol 27:85-90, Mar 73 (Eng. Abstr.) (Slo)

THERAPY

Metabolic bone disease in the elderly. Conacher WD.
Practitioner 210:351-6, Mar 73

URINE

Osteomalacia after prolonged glutethimide administration. Greenwood RH, et al.
Br Med J 1:643-5, 17 Mar 73

OSTEOPETROSIS

Osteopetrosis with precocious manifestations. (Report of 3 familial and 1 sporadic case). Kozlowski K, et al.
Australas Radiol 16:311-5, Sep 72

COMPLICATIONS

Prenatal axonal dystrophy and osteopetrosis. Fitch N, et al. Arch Pathol 95:298-301, May 73

ETIOLOGY

Oncogenicity of non-transforming mutants of avian sarcoma viruses. Biggs PM, et al.
J Gen Virol 18:399-403, Mar 73

FAMILIAL & GENETIC

Osteopetrosis with precocious manifestations. (Report of 3 familial and 1 sporadic case). Kozlowski K, et al.
Australas Radiol 16:311-5, Sep 72
Familial osteopetrosis with coxa vara. A case report.
King RE, et al. J Bone Joint Surg [Am] 55:381-5, Mar 73

IMMUNOLOGY

[Susceptibility of leukosis resistant chicks to

osteopetrosis virus] Fritzsche K.
Zentralbl Veterinaermed [B] 19:832-9, Dec 72 (Eng. Abstr.) (Ger)

PATHOLOGY

Prenatal axonal dystrophy and osteopetrosis. Fitch N, et al. Arch Pathol 95:298-301, May 73
Familial osteopetrosis with coxa vara. A case report. King RE, et al. J Bone Joint Surg [Am] 55:381-5, Mar 73

PHYSIOPATHOLOGY

Inhibition by diphosphonates of bone resorption in mice and comparison with grey-lethal osteopetrosis. Reynolds JJ, et al. Calcif Tissue Res 12:59-71, 1973

RADIOGRAPHY

Osteopetrosis with precocious manifestations. (Report of 3 familial and 1 sporadic case). Kozlowski K, et al. Australas Radiol 16:311-5, Sep 72
Familial osteopetrosis with coxa vara. A case report. King RE, et al. J Bone Joint Surg [Am] 55:381-5, Mar 73
[Results of microradiography in bone diseases] Heuck F. Radiologe 13:102-10, Mar 73 (Ger)

SURGERY

Familial osteopetrosis with coxa vara. A case report. King RE, et al. J Bone Joint Surg [Am] 55:381-5, Mar 73

VETERINARY

[Susceptibility of leukosis resistant chicks to osteopetrosis virus] Fritzsche K.
Zentralbl Veterinaermed [B] 19:832-9, Dec 72 (Eng. Abstr.) (Ger)

OSTEOPOROSIS

CHEMICALLY INDUCED

Effect of acetylsalicyclic acid (aspirin) on bone collagen in children. Liakakos D, et al.
Clin Chim Acta 44:427-9, 30 Mar 73
Heparin osteoporosis. An experimental model using rats. Thompson RC Jr.
J Bone Joint Surg [Am] 55:606-12, Apr 73
The influence of corticosteroids on normal and papain-treated articular cartilage in the rabbit. Shaw NE, et al. J Bone Joint Surg [Br] 55:197-205, Feb 73
Treatment of Paget's disease of bone.
Lancet 1:1043-4, 12 May 73
Systemic corticosteroid therapy. Turtle JR.
Med J Aust 2:1251-6, 25 Nov 72
[Corticoid long-term therapy. Desired and undesired effects] Grabner W.
Fortschr Med 91:517-22, 26 Apr 73 (Ger)
[Vitamin D. Fascinating research results in relation to the anti-epileptics] Naess K.
Tidsskr Nor Laegeforen 93:191-3, 30 Jan 73 (Nor)

COMPLICATIONS

Pigmented villonodular synovitis occurred in a rheumatoid patient. A case report. Torisu T, et al.
Clin Orthop 91:134-40, Mar-Apr 73
Transient osteoporosis of the hip in pregnancy. Longstreth PL, et al. Obstet Gynecol 41:563-9, Apr 73
[A case of homocystinuria with predominating musculoskeletal system] Szepesi K, et al.
Arch Orthop Unfallchir 75:121-30, 26 Mar 73 (Eng. Abstr.) (Ger)
[Fat embolism after rehabilitation] Dvorackova I.
Beitr Gerichtl Med 30:87-92, 1973 (Eng. Abstr.) (Ger)
[Thoracodynia due to chest wall lesions] Yano R.
Jap J Thorac Dis 10:9-10, Jan 72 (Jap)

DIAGNOSIS

Metabolic bone disease in the elderly. Conscher WD.
Practitioner 210:351-6, Mar 73
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
[Etiopathgenic diagnosis of various cases of lumbalgia] Auquier L, et al. Rev Prat 22:3051-9, 1 Sep 72 (Fre)
[Scintigraphic studies in systemic skeletal diseases] Bessler W. Radiologe 13:117-24, Mar 73 (Ger)

DRUG THERAPY

Fluoride and osteoporosis. Dequeker J, et al.
Br Med J 1:551, 3 Mar 73
Fluoride and osteoporosis. Inkovaara J, et al.
Br Med J 1:613, 10 Mar 73
Effect of low doses of disodium ethane-1-hydroxy-1, 1-diphosphonate on disuse osteoporosis in the denervated cat tail. Elisasser JC, et al.
Clin Orthop 91:235-42, Mar-Apr 73
Diphosphonates. Experimental and clinical aspects. Russell RG, et al.
J Bone Joint Surg [Br] 55:66-86, Feb 73 (77 ref.)
Estrogens and the menopausal patient.
Med Lett Drugs Ther 15:6-8, 19 Jan 73
Skeletal support in multiple myeloma. Dubovsky D, et al. N Engl J Med 288:854, 19 Apr 73
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
[Sodium fluoride therapy of osteoporosis] Krokowski E, et al.
Munch Med Wochenschr 115:511-2, 23 Mar 73 (Ger)
[Vitamin D. Fascinating research results in relation to the anti-epileptics] Naess K.
Tidsskr Nor Laegeforen 93:191-3, 30 Jan 73 (Nor)
[Treatment of osteoporosis. Fluorine, potassium and vitamin D]
Tidsskr Nor Laegeforen 93:181-2, 30 Jan 73 (Nor)

ETIOLOGY

Managing the menopause. Easterling WE Jr.
Am Fam Physician 7:137-42, Mar 73
Ineffectiveness of calcitonin on osteoporosis in parapiegic rats. Braddom RL, et al.
Arch Phys Med Rehabil 54:170-4, Apr 73
Skeletal status in rheumatoid arthritis. A preliminary report. Mueller MN, et al.
Arthritis Rheum 16:66-70, Jan-Feb 73
Osteoporosis after oophorectomy for non-malignant disease in premenopausal women. Aitken JM, et al.
Br Med J 2:325-8, 12 May 73
The assessment of hand function. II. Forces and bone density, a relationship in the hand. Dickson RA, et al.
Hand 5:15-24, Feb 73
Skeletal support in multiple myeloma. Dubovsky D, et al. N Engl J Med 288:854, 19 Apr 73
Skeletal changes in patients on regular hemodialysis. Simpson W, et al. Radiology 107:313-20, May 73
Uremic polyneuropathic motor paralysis and immobilization hypercalcemia. Ravnskov U.
Scand J Urol Nephrol 7:63-7, 1973
[Hepatobiliary osteopathy] Mířejovský P.
Cesk Patol 9:24-30, Feb 73 (Eng. Abstr.) (Cze)
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Albeaux-Fernet M, et al.
Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Idiopathic hypercalcuria?] Haas HG.
Dtsch Med Wochenschr 98:683-4, 20 Mar 73 (Ger)
[Catamneses of castrated sex delinquents from the forensic and psychiatric viewpoint] Cornu F.
Fortschr Med 90:1035-6, 12 Oct 72 (Ger)
[Estrogen deficiency causing osteoporosis in older women] Cyran W.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Failures following osteosyntheses of forearm shaft fractures] Rueff FL, et al.
Monatsschr Unfallheilkd 76:1-13, Jan 73 (Eng. Abstr.) (Ger)
[Thyrotoxic oesteopathies] Zweymüller K, et al.
Munch Med Wochenschr 115:548-53, 30 Mar 73 (Eng. Abstr.) (Ger)
[Possibilities of radiologic determination of bone mineral concentration] Krokowski E.
Radiologe 13:97-101, Mar 73 (Ger)
[Pathogenesis and structure of systemic skeletal diseases] Uehlinger E.
Radiologe 13:88-93, Mar 73 (Ger)
[Morphometric, electron microscopic and physico-chemical studies in experimental osteoporosis induced by chronic acidosis in the rat] Delling G, et al.
Virchows Arch [Pathol Anat] 358:321-30, 19 Feb 73 (Eng. Abstr.) (Ger)
[Progressive course of diabetic osteoarthropathy] Götze KJ. Zentralbl Chir 98:101-3, 19 Jan 73 (Ger)
[Roentgen-anatomic study of calcinosis of the arteries of the extremities] Zhdanov DA, et al.

Arkh Anat Gistol Embriol 63:14-20, Sep 72 (Eng. Abstr.) (Rus)
[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)
[X-ray changes in the bones of patients with chronic kidney insufficiency treated by chronic intermittent dialysis] Suchánek A, et al.
Cesk Radiol 27:85-90, Mar 73 (Eng. Abstr.) (Slo)
[Case of osteoporosis and a pathological femoral neck fracture due to Sheehan's syndrome] Burzelić Z.
Reumatizam 20:19-23, 1973 (Eng. Abstr.) (Cro)

FAMILIAL & GENETIC

Cranial metaphyseal dysplasia. Otolaryngologic aspects. Stool SE, et al.
Arch Otolaryngol 97:410-2, May 73

HISTORY

The antiquity of age-associated bone demineralization in man. Perzigian AJ.
J Am Geriatr Soc 21:100-5, Mar 73

METABOLISM

Ineffectiveness of calcitonin on osteoporosis in paraplegic rats. Braddom RL, et al.
Arch Phys Med Rehabil 54:170-4, Apr 73
Effect of low doses of disodium ethane-1-hydroxy-1, 1-diphosphonate on disuse osteoporosis in the denervated cat tail. Elisasser JC, et al.
Clin Orthop 91:235-42, Mar-Apr 73
Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72
[Estrogen deficiency causing osteoporosis in older women] Cyran W.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Radioisotope studies of calcium and bone metabolism in systemic skeletal diseases] Sack H.
Radiologe 13:125-7, Mar 73 (Ger)

OCCURRENCE

The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73

PATHOLOGY

The antiquity of age-associated bone demineralization in man. Perzigian AJ.
J Am Geriatr Soc 21:100-5, Mar 73
[Pathogenesis and structure of systemic skeletal diseases] Uehlinger E.
Radiologe 13:88-93, Mar 73 (Ger)
[Morphometric, electron microscopic and physico-chemical studies in experimental osteoporosis induced by chronic acidosis in the rat] Delling G, et al.
Virchows Arch [Pathol Anat] 358:321-30, 19 Feb 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

The assessment of hand function. II. Forces and bone density, a relationship in the hand. Dickson RA, et al.
Hand 5:15-24, Feb 73

PREVENTION & CONTROL

Ineffectiveness of calcitonin on osteoporosis in paraplegic rats. Braddom RL, et al.
Arch Phys Med Rehabil 54:170-4, Apr 73
Effect of low doses of disodium ethane-1-hydroxy-1, 1-diphosphonate on disuse osteoporosis in the denervated cat tail. Elisasser JC, et al.
Clin Orthop 91:235-42, Mar-Apr 73
Effect of fluoride on the skeleton of rats maintained on different levels of calcium in the diet. Srirangareddy G, et al. Indian J Med Res 60:481-7, Mar 72
Attempts to prevent disuse osteoporosis by treatment with calcitonin, longitudinal compression and supplementary calcium and phosphate. Hantman DA, et al. J Clin Endocrinol Metab 36:845-58, May 73
Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72
[Estrogen deficiency causing osteoporosis in older women] Cyran W.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
[Sodium fluoride therapy of osteoporosis] Krokowski E, et al.
Munch Med Wochenschr 115:511-2, 23 Mar 73 (Ger)

RADIOGRAPHY

Osteoporosis after oophorectomy for non-malignant disease in premenopausal women. Aitken JM, et al.
Br Med J 2:325-8, 12 May 73
Pigmented villonodular synovitis occurred in a rheumatoid patient. A case report. Torisu T, et al.
Clin Orthop 91:134-40, Mar-Apr 73
The assessment of hand function. II. Forces and bone density, a relationship in the hand. Dickson RA, et al.
Hand 5:15-24, Feb 73
Osteogenesis imperfecta. A histopathological case report. Milgram JW, et al.
J Bone Joint Surg [Am] 55:506-15, Apr 73
Regional migratory osteoporosis. Steiner RM, et al.
J Can Assoc Radiol 24:70-5, Mar 73
Osteoporosis after oophorectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention. Aitken JM, et al. J Endocrinol 55:79-87, Oct 72
Transient osteoporosis of the hip in pregnancy. Longstreth PL, et al. Obstet Gynecol 41:563-9, Apr 73
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
The combined use of morphometric and microradioscopic methods in the diagnosis of metabolic bone diseases. Meema HE.
Radiologe 13:111-6, Mar 73
[Meaning of hip abnormalities in the aged. Radioclinical study of 108 cases] Sebban C, et al.
Nouv Presse Med 2:621-4, 10 Mar 73 (Eng. Abstr.) (Fre)
[Long-term prognosis in treated Cushing's disease in the child. Apropos of a case followed-up for 10 years] Aibeaux-Fernet M, et al.
Sem Hop Paris 49:268-72, 20 Jan 73 (Eng. Abstr.) (Fre)
[Thyrotoxic oesteopathies] Zweymüller K, et al.
Munch Med Wochenschr 115:548-53, 30 Mar 73 (Eng. Abstr.) (Ger)
[Generalized bone diseases--questions from the internist to the radiologist] Haas HG.
Radiologe 13:94-6, Mar 73 (Ger)
[Possibilities of radiologic determination of bone mineral concentration] Krokowski E.
Radiologe 13:97-101, Mar 73 (Ger)
[Symposium: development of diseases in the aged. 6. From the standpoint of orthopedic surgery--with special reference to spinal osteoporosis and spondylosis deformans] Itami Y, et al.
Jap J Geriatr 9:239-43, Jul 72 (Jap)
[X-ray changes in the bones of patients with chronic kidney insufficiency treated by chronic intermittent dialysis] Suchánek A, et al.
Cesk Radiol 27:85-90, Mar 73 (Eng. Abstr.) (Slo)

SURGERY

An approach for hip construction: broad visualization without osteotomy of the greater trochanter. Luck JV. Clin Orthop 91:70-85, Mar-Apr 73

THERAPY

Transient osteoporosis of the hip in pregnancy. Longstreth PL, et al. Obstet Gynecol 41:563-9, Apr 73
Metabolic bone disease in the elderly. Conacher WD.
Practitioner 210:351-6, Mar 73

URINE

Transient osteoporosis of the hip in pregnancy. Longstreth PL, et al. Obstet Gynecol 41:563-9, Apr 73

PSEUDOHYPOPARATHYROIDISM

A passel of "pseudo's". Vaisrub S.
JAMA 224:1413-4, 4 Jun 73

BLOOD

[Pathogenesis of pseudohypoparathyroidism]

Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)
[Pathogenesis of pseudohypoparathyroidism] Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Growth disorders in childhood (conclusion)] Bierich JR. Fortschr Med 90:1051-5 concl, 19 Oct 72 (Ger)

DRUG THERAPY

[Pathogenesis of pseudohypoparathyroidism] Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

ETIOLOGY

[Pathogenesis of pseudohypoparathyroidism] Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Pathogenesis of pseudohypoparathyroidism] Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)

PSEUDOPSEUDOHYPO-PARATHYROIDISM

A passel of "pseudo's". Vaisrub S.
JAMA 224:1413-4, 4 Jun 73

RENAL OSTEODYSTROPHY

COMPLICATIONS

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73
Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al.
J Clin Pathol 26:83-101, Feb 73

DIAGNOSIS

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73
[Bone scintillography with strontium 85. A new application of the method in the study of patients with renal osteodystrophy] Treviño-Becerra A, et al. Arch Invest Med (Mex) 3:491-502, 1972 (Eng. Abstr.) (Spa)

ETIOLOGY

[Bone scintillography with strontium 85. A new application of the method in the study of patients with renal osteodystrophy] Treviño-Becerra A, et al. Arch Invest Med (Mex) 3:491-502, 1972 (Eng. Abstr.) (Spa)

METABOLISM

Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al. Lancet 1:626-8, 24 Mar 73

PATHOLOGY

Azotaemic renal osteodystrophy: a quantitative study on iliac bone. Ellis HA, et al.
J Clin Pathol 26:83-101, Feb 73
Quantitative relations between osteoblasts and osteoid in primary hyperparathyroidism, intestinal malabsorption ad renal osteodystrophy. Olah AJ. Virchows Arch [Pathol Anat] 358:301-8, 19 Feb 73

THERAPY

Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy. Sellers A, et al. Arch Intern Med 131:727-8, May 73

RICKETS

BLOOD

Primary hypophosphatemic rickets in an elderly woman. Burnett V, et al.
Arch Intern Med 131:581-7, Apr 73
Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:113, 14 Apr 73
Biologic action of 1,25-dihydroxy-vitamin D3 in the rachitic dog. Brickman AS, et al.
Endocrinology 92:728-34, Mar 73

CHEMICALLY INDUCED

Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73
Diphenylhydantoin and rickets. Mace J, et al.
Lancet 1:1119, 19 May 73

COMPLICATIONS

A complicated case of convulsions. Lancaster JR, et al.
Clin Pediatr (Phila) 12:187-8, Mar 73
Severe rickets in infancy and childhood in Ethiopia. Mariam TW, et al. J Pediatr 82:876-8, May 73

DIAGNOSIS

Primary hypophosphatemic rickets in an elderly woman. Burnett V, et al.
Arch Intern Med 131:581-7, Apr 73
Serum alkaline phosphatase and rickets. Prescott RJ, et al. Br Med J 2:47, 7 Apr 73
Problems in screening infants for defects of amino acid metabolism. Jackson SH. Clin Biochem 6:15-21, Mar 73

DRUG THERAPY

Primary hypophosphatemic rickets in an elderly woman. Burnett V, et al.
Arch Intern Med 131:581-7, Apr 73
A complicated case of convulsions. Lancaster JR, et al.
Clin Pediatr (Phila) 12:187-8, Mar 73
Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate. Hill LF, et al. Clin Sci 44:335-47, Apr 73
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
[Tartarus heals rickets] Mildner T.
Med Klin 68:358-61, 16 Mar 73 (Ger)
[Antirachitic substances in cream] Palamarchuk VI.
Ukr Biokhim Zh 44:247-51, 1972 (Eng. Abstr.) (Ukr)

ENZYMOLOGY

Serum alkaline phosphatase and rickets. Cooke WT, et al. Br Med J 2:302-3, 5 May 73
Serum alkaline phosphatase and rickets. Prescott RJ, et al. Br Med J 2:47, 7 Apr 73
Serum alkaline phosphatase and rickets. Stamp TC, et al. Br Med J 2:113, 14 Apr 73
Extracellular localization of lysozyme in rachitic rat cartilage. Greenwald RA, et al.
Proc Soc Exp Biol Med 142:924-7, Mar 73
[Alkaline phosphatase isoenzymes in the blood serum of rats with an experimental lesion of the hepatobiliary system and rachitis] Gromashevskaia LL, et al.
Ukr Biokhim Zh 45:65-9, 1973 (Eng. Abstr.) (Ukr)

ETIOLOGY

Nutritional rickets at puberty. Moncrieff MW, et al.
Arch Dis Child 48:221-4, Mar 73
Primary hypophosphatemic rickets in an elderly woman. Burnett V, et al.
Arch Intern Med 131:581-7, Apr 73
A complicated case of convulsions. Lancaster JR, et al.
Clin Pediatr (Phila) 12:187-8, Mar 73
Severe rickets in infancy and childhood in Ethiopia. Mariam TW, et al. J Pediatr 82:876-8, May 73
Coeliac disease in children of Asian immigrants. Nelson R, et al. Lancet 1:348-50, 17 Feb 73

Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73
The need for vitamin-D supplements. Lancet 1:1097-8, 19 May 73
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al. World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

FAMILIAL & GENETIC

[Hereditary forms of rickets] Fanconi A, et al. Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.) (Eng. Abstr.) (Ger)

HISTORY

Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al. World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
[Tartarus heals rickets] Mildner T. Med Klin 68:358-61, 16 Mar 73 (Ger)

METABOLISM

Total urinary hydroxyproline excreted in healing experimental rat rickets, studied with 14 C proline. Parsons V, et al. Calcif Tissue Res 12:47-58, 1973
Stimulation of intestinal mucosal proliferation by vitamin D. Birge SJ, et al. Gastroenterology 64:977-82, May 73
[The relationship between protein and mineral metabolism in bone tissue in rickets] Dmitriev IM. Pediatr Akush Ginekol 5:29-30, Oct 72 (Ukr)

MORTALITY

Severe rickets in infancy and childhood in Ethiopia. Mariam TW, et al. J Pediatr 82:876-8, May 73

OCCURRENCE

Serum alkaline phosphatase and rickets. Cooke WT, et al. Br Med J 2:302-3, 5 May 73
Severe rickets in infancy and childhood in Ethiopia. Mariam TW, et al. J Pediatr 82:876-8, May 73
Coeliac disease in children of Asian immigrants. Nelson R, et al. Lancet 1:348-50, 17 Feb 73
The need for vitamin-D supplements. Lancet 1:1097-8, 19 May 73
Rickets in Glasgow today. Arneil GC. Practitioner 210:331-9, Mar 73

PREVENTION & CONTROL

Rickets in Glasgow today. Arneil GC. Practitioner 210:331-9, Mar 73

RADIOGRAPHY

Serum alkaline phosphatase and rickets. Prescott RJ, et al. Br Med J 2:47, 7 Apr 73
A complicated case of convulsions. Lancaster JR, et al. Clin Pediatr (Phila) 12:187-8, Mar 73
[Results of microradiography in bone diseases] Heuck F. Radiologe 13:102-10, Mar 73 (Ger)

THERAPY

[Antirachitic substances in cream] Palamarchuk VI. Ukr Biokhim Zh 44:247-51, 1972 (Eng. Abstr.) (Ukr)

URINE

Total urinary hydroxyproline excreted in healing experimental rat rickets, studied with 14 C proline. Parsons V, et al. Calcif Tissue Res 12:47-58, 1973
Problems in screening infants for defects of amino acid metabolism. Jackson SH. Clin Biochem 6:15-21, Mar 73

RICKETS, VITAMIN D RESISTANT

BLOOD

Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. Trans Assoc Am Physicians 85:172-80, 1972

DRUG THERAPY

Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. Trans Assoc Am Physicians 85:172-80, 1972

FAMILIAL & GENETIC

Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. Trans Assoc Am Physicians 85:172-80, 1972
[Hereditary forms of rickets] Fanconi A, et al. Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.) (Eng. Abstr.) (Ger)

METABOLISM

Vitamin D: a reawakening. Palmisano PA. JAMA 224:1526-7, 11 Jun 73 (18 ref.)
Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al. Trans Assoc Am Physicians 85:172-80, 1972

TETANY

Neuronal hyperactivity following deafferentation of the lateral cuneate nucleus. Kjerulf TD, et al. Exp Neurol 39:70-85, Apr 73
Some subcortical determinants of visual cortical excitability in the cat. Chalupa LM, et al. Int J Neurosci 5:1-13, Jan 73
On the state of the nervous system. Fortuyn JD. Psychiatr Neurol Neurochir 76:1-7, Jan-Feb 73

BLOOD

[Blood nitrate and -nitrite determination in cattle with grass tetany] Trommer F, et al. Monatsh Vet Med 28:62-4, 15 Jan 73 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Inorganic phosphate (laxative) poisoning resulting in tetany in an infant. Levitt M, et al. J Pediatr 82:479-81, Mar 73

COMPLICATIONS

Dental defects associated with neonatal symptomatic hypocalcaemia. Stimmler L, et al. Arch Dis Child 48:217-20, Mar 73
[Diagnosis of tetanic cataracts] Perdriel G, et al. Bull Soc Ophtalmol Fr 72:201-6, Feb 72 (Fre)

DRUG THERAPY

Inorganic phosphate (laxative) poisoning resulting in tetany in an infant. Levitt M, et al. J Pediatr 82:479-81, Mar 73

ETIOLOGY

[Incidence, pathogenesis and prevention of pasture tetany in cattle. 1. Survey on the occurrence of pasture tetany between 1964-1969 in the Osterburg-Altmark district] Stephan V, et al. Monatsh Vet Med 27:686-94, 15 Sep 72 (Ger)
[Acute crisis in endocrine system diseases] Pacyński A. Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

OCCURRENCE

[Incidence, pathogenesis and prevention of pasture tetany in cattle. 1. Survey on the occurrence of pasture tetany between 1964-1969 in the Osterburg-Altmark district] Stephan V, et al. Monatsh Vet Med 27:686-94, 15 Sep 72 (Ger)

PREVENTION & CONTROL

[Incidence, pathogenesis and prevention of pasture tetany in cattle. 1. Survey on the occurrence of pasture tetany between 1964-1969 in the

Osterburg-Altmark district] Stephan V, et al. Monatsh Vet Med 27:686-94, 15 Sep 72 (Ger)

VETERINARY

[Incidence, pathogenesis and prevention of pasture tetany in cattle. 1. Survey on the occurrence of pasture tetany between 1964-1969 in the Osterburg-Altmark district] Stephan V, et al. Monatsh Vet Med 27:686-94, 15 Sep 72 (Ger)

[Blood nitrate and -nitrite determination in cattle with grass tetany] Trommer F, et al. Monatsh Vet Med 28:62-4, 15 Jan 73 (Eng. Abstr.) (Ger)

THYROCALCITONIN

ADMINISTRATION & DOSAGE

Effect of calcitonin and calcium infusion on plasma phosphate. Talmage RV, et al. Endocrinology 92:792-8, Mar 73

Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta. Goldfield EB, et al. JAMA 221:1127-9, 4 Sep 72

Therapeutic success in Paget disease. Vaisrub S. JAMA 224:1413, 4 Jun 73

[Thyrocalcitonin: value in pediatrics (apropos of 3 cases)] Gaudier B, et al. Lille Med 17:1427-31, Nov 72 (Fre)

[A case of vitamin-resistant hypophosphoremic osteomalacia in an adult: effect of thyrocalcitonin and course under vitamin-phosphorus treatment] Renier JC, et al. Rhumatologie 24:247-56, Aug-Sep 72 (Fre)

[Inhibition of gallbladder contractions using calcitonin] Winckler K, et al. Dtsch Med Wochenschr 98:957-9, 4 May 73 (Ger)

ADVERSE EFFECTS

Treatment of Paget's disease of bone. Lancet 1:1043-4, 12 May 73

ANALYSIS

Distribution of thyroid, parathyroid, and ultimobranchial hypocalcemic factors in birds. II. Morphology, histochemistry, and hypocalcemic activity of pigeon thyroid glands. Hoyt RF Jr, et al. Anat Rec 176:1-33, May 73

A calcitonin radioimmunoassay: in vivo evaluation of calcitonin secretion in the pig. Pento JT, et al. Metabolism 22:735-44, May 73

BIOSYNTHESIS

[Histological and histochemical studies of dogs' thyroid gland C cell reactivity to changes of blood serum calcium level] Miętkiewski K, et al. Endokrynol Pol 24:57-70, Jan-Feb 73 (Eng. Abstr.) (Pol)

BLOOD

Immunoreactive calcitonin in medullary carcinoma of the thyroid and in maternal and cord serum. Samaan NA, et al. J Lab Clin Med 81:671-81, May 73

A calcitonin radioimmunoassay: in vivo evaluation of calcitonin secretion in the pig. Pento JT, et al. Metabolism 22:735-44, May 73

Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Pearson KD, et al. Radiology 107:249-56, May 73

[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al. Med Welt 24:517-22, 6 Apr 73 (Ger)

METABOLISM

A mathematical model for calcium homeostasis. Powell T. Bull Math Biophys 34:483-502, Dec 72

PHARMACODYNAMICS

Studies on the hypocalcemic action of 2-pyrrolecarboxylic acid. Fang VS. Arch Int Pharmacodyn Ther 202:183-93, Mar 73

A mathematical model for calcium homeostasis. Powell T. Bull Math Biophys 34:483-502, Dec 72

Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al. Endocrinology 92:692-7, Mar 73

Effect of calcitonin and calcium infusion on plasma phosphate. Talmage RV, et al. Endocrinology 92:792-8, Mar 73

Histological observations on bone and cartilage of growing turtles treated with calcitonin. Bélanger LF, et al. Gen Comp Endocrinol 20:297-304, Apr 73

Effect of thyrocalcitonin on metatarsal bones of normal and calcium-deficient young rats. Salomon CD, et al. Isr J Med Sci 9:199-202, Feb 73

Effect of porcine, salmon and human calcitonin on urinary excretion of some electrolytes in sheep. Barlet JP. J Endocrinol 55:153-61, Oct 72

Effects of thyroparathyroidectomy on implantation and early gestation in rats. Baksi SN. J Reprod Fertil 32:513-6, Mar 73

Calcitonin inhibition of intestinal phosphate absorption. Tanzer FS, et al. Nature [New Biol] 242:21221-2, 18 Apr 73

Effect of human calcitonin on the sarcoplasmic reticulum of the human heart. Hakim A. Naturwissenschaften 60:53, Jan 73

The influences of acute hyper- and hypocalcemia and of calcitonin on exocrine pancreatic function in man. Hotz J, et al. Res Exp Med (Berl) 160:152-65, 1973

Hyaluronate inhibition of chondrogenesis: antagonism of thyroxine, growth hormone, and calcitonin. Toole BP. Science 180:302-3, 20 Apr 73

[Inhibition of gallbladder contractions using calcitonin] Winckler K, et al. Dtsch Med Wochenschr 98:957-9, 4 May 73 (Ger)

[Effect of hormones on bone metabolism] Schmidt UY, et al. Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

PHYSIOLOGY

Effect of calcitonin and calcium infusion on plasma phosphate. Talmage RV, et al. Endocrinology 92:792-8, Mar 73

Regulation of vitamin D metabolism and function. Omdahl JL, et al. Physiol Rev 53:327-72, Apr 73 (231 ref.)

SECRETION

A marker for medullary carcinoma of thyroid. Br Med J 2:257-8, 5 May 73

The effect of hypocalcaemia on the secretion of calcitonin. West TE, et al. J Endocrinol 56:463-70, Mar 73

A calcitonin radioimmunoassay: in vivo evaluation of calcitonin secretion in the pig. Pento JT, et al. Metabolism 22:735-44, May 73

THERAPEUTIC USE

Paget disease of bone. Long-term treatment with salmon calcitonin. Schuhmacher CA, et al. Arch Intern Med 131:722-4, May 73

Ineffectiveness of calcitonin on osteoporosis in paraplegic rats. Braddom RL, et al. Arch Phys Med Rehabil 54:170-4, Apr 73

Treatment with calcitonin. O'Neill PB. Br Med J 1:744-5, 24 Mar 73

Calcitonin in osteogenesis imperfecta. Smith R, et al. Br Med J 2:114, 14 Apr 73

Compression of cord by Paget's disease. Br Med J 2:321-2, 12 May 73

Porcine calcitonin (Calcitare). Drug Ther Bull 11:9-10, 2 Feb 73

Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Biddulph DM, et al. Endocrinology 92:1328-33, May 73

Attempts to prevent disuse osteoporosis by treatment with calcitonin, longitudinal compression and supplementary calcium and phosphate. Hantman DA, et al. J Clin Endocrinol Metab 36:845-58, May 73

Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta. Goldfield EB, et al. JAMA 221:1127-9, 4 Sep 72

Therapeutic success in Paget disease. Vaisrub S. JAMA 224:1413, 4 Jun 73

Osteitis deformans (Paget's disease of bone). JAMA 224:Suppl 5:782-3, 30 Apr 73

Treatment of Paget's disease of bone.
Lancet 1:1043-4, 12 May 73
[Thyrocalcitonin: value in pediatrics (apropos of 3 cases)] Gaudier B, et al.
Lille Med 17:1427-31, Nov 72 (Fre)

VITAMIN A

THERAPEUTIC USE

[Vitamin therapy in ophthalmology] Margolis MG.
Oftalmol Zh 27:624-30, 1972 (Rus)

VITAMIN D

Structure of human fluorotic bone. Aggarwal ND.
J Bone Joint Surg [Am] 55:331-4, Mar 73
Cycloadducts of ergosterol with azo-type dienophiles, and their chemical reactivities. Georghiou PE, et al.
J Chem Soc [Perkin I] 9:888-91, 1973
Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)

ADMINISTRATION & DOSAGE

Dietary prevention of atherosclerosis. Froelicher VF Jr. Am Fam Physician 7:79-85, Mar 73
A simple method for the rapid production of atherosclerosis in rats. Altman RF.
Experientia 29:256, 15 Feb 73
The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al.
J Biol Chem 248:2969-73, 10 May 73
Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73
Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. Lancet 809:910-2, 28 Apr 73
Magnesium-induced reversal of vitamin-D resistance in hypoparathyroidism. Rösler A, et al.
Lancet 1:803-4, 14 Apr 73
Skeletal support in multiple myeloma. Dubovsky D, et al. N Engl J Med 288:854, 19 Apr 73
[A case of neonatal hypoparathyroidism] Dalery J, et al.
Pediatrie 27:792-3, Oct-Nov 72 (Fre)
[Hexacalcium-hexasodium-hepatocitrathydrate-complex (Acetolyt) in the treatment of nephrogenic metabolic acidosis] Poggitsch H, et al.
Med Klin 68:206-11, 16 Feb 73 (Eng. Abstr.) (Ger)
[Treatment of osteoporosis. Fluorine, potassium and vitamin D]
Tidsskr Nor Laegeforen 93:181-2, 30 Jan 73 (Nor)

ADVERSE EFFECTS

Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)

ANALYSIS

The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al.
J Biol Chem 248:2969-73, 10 May 73
Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)
[Antirachitic substances in cream] Palamarchuk VI.
Ukr Biokhim Zh 44:247-51, 1972 (Eng. Abstr.) (Ukr)

ANTAGONISTS & INHIBITORS

Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)

BIOSYNTHESIS

The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al.
Arch Biochem Biophys 154:566-74, Feb 73
Formation of a 5 hydroxy sterol by Saccharomyces cerevisiae. Fryberg M, et al.
Biochem Biophys Res Commun 51:219-22, 5 Mar 73

BLOOD

The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al.
J Biol Chem 248:2969-73, 10 May 73
Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73

HISTORY

Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

METABOLISM

The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Tanaka Y, et al.
Arch Biochem Biophys 154:566-74, Feb 73
Nutritional rickets at puberty. Moncrieff MW, et al.
Arch Dis Child 48:221-4, Mar 73
Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73
Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)
From vitamin to hormone. JAMA 224:1286-7, 28 May 73
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73
Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al.
Med Welt 24:517-22, 6 Apr 73 (Ger)

PHARMACODYNAMICS

Effect of parathyroid hormone on the propulsive gastrointestinal motility of the rat. Segerström A.
Acta Chir Scand 139:55-9, 1973
The effect of experimental renal hypertension on the response of the rabbit aorta to vitamin D. McCullagh KG. Br J Exp Pathol 54:173-82, Apr 73
Effect of vitamin D on bone mineral mass in normal subjects and in epileptic patients on anticonvulsants: a controlled therapeutic trial. Christiansen C, et al.
Br Med J 2:208-9, 28 Apr 73
The regulation of rat liver calciferol-25-hydroxylase. Bhattacharyya MH, et al.
J Biol Chem 248:2969-73, 10 May 73
Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 . Bhattacharyya MH, et al. J Biol Chem 248:2974-7, 10 May 73
Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)
[Therapeutics in 1972] Perrault M, et al.
Rev Prat 22:4573-95, 21 Dec 72 (Fre)
[The influencing of skin blood circulation disorders in dermatoses] MacTaggart B, et al.
Munch Med Wochenschr 115:422-5, 9 Mar 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

From vitamin to hormone. JAMA 224:1286-7, 28 May 73
Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

POISONING

[Hypervitaminosis D in infants] Bondar' MV, et al.
Pediatr Akush Ginekol 5:27-9, Oct 72 (Ukr)
[Hypervitaminosis D and its prevention] Sidel'nikov VM, et al. Pediatr Akush Ginekol 5:25-7, Oct 72 (Ukr)

THERAPEUTIC USE

Effect of vitamin D on bone mineral mass in normal subjects and in epileptic patients on anticonvulsants: a controlled therapeutic trial. Christiansen C, et al.
Br Med J 2:208-9, 28 Apr 73
A complicated case of convulsions. Lancaster JR, et al.
Clin Pediatr (Phila) 12:187-8, Mar 73
Diphenylhydantoin and rickets. Mace J, et al.
Lancet 1:1119, 19 May 73
Magnesium-induced reversal of vitamin-D resistance in

hypoparathyroidism. Rösler A, et al.
Lancet 1:803-4, 14 Apr 73
Resistant hypoparathyroidism and magnesium depletion. Scott ME. Lancet 1:1005, 5 May 73
The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73
Skeletal support in multiple myeloma. Dubovsky D, et al. N Engl J Med 288:854, 19 Apr 73
Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)
Endocrine bone disease. Watson L.
Practitioner 210:376-83, Mar 73
Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH). Roof BS, et al.
Trans Assoc Am Physicians 85:172-80, 1972
[Rhinoscleroma with tracheobronchial spread] Kelleter R, et al.
Dtsch Med Wochenschr 98:499-503, 9 Mar 73 (Eng. Abstr.) (Ger)
[Some topical problems of subtotal parathyroidectomy in patients on haemodialysis] Ritz E, et al.
Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Eng. Abstr.) (Ger)
[Pathogenesis of pseudohypoparathyroidism] Stögmann W.
Klin Paediatr 185:146-54, Mar 73 (Eng. Abstr.) (Ger)
[Physiopathological problems of osteopathy in long term hemodialysis] Ritz E, et al.
Med Welt 24:517-22, 6 Apr 73 (Ger)
[Disease disasters: kidney insufficiency] Mertz DP.
Munch Med Wochenschr 115:747-53, 27 Apr 73 (Eng. Abstr.) (Ger)
[Treatment of osteoporosis. Fluorine, potassium and vitamin D]
Tidsskr Nor Laegeforen 93:181-2, 30 Jan 73 (Nor)
[Vitamin therapy in ophthalmology] Margolis MG.
Oftalmol Zh 27:624-30, 1972 (Rus)
[Antirachitic substances in cream] Palamarchuk VI.
Ukr Biokhim Zh 44:247-51, 1972 (Eng. Abstr.) (Ukr)

VITAMIN D DEFICIENCY

Partial purification of parathyroid hormone from chicken parathyroid glands. MacGregor RR, et al.
Endocrinology 92:1312-7, May 73
Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)

COMPLICATIONS

A complicated case of convulsions. Lancaster JR, et al.
Clin Pediatr (Phila) 12:187-8, Mar 73
From vitamin to hormone. JAMA 224:1286-7, 28 May 73
Sunlight, vitamin D, and osteomalacia in the elderly. Hodkinson HM, et al. Lancet 809:910-2, 28 Apr 73
Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Mawer EB, et al.
Lancet 1:626-8, 24 Mar 73
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73
The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73
Unusual variants of hyperparathyroidism. McLaren EH, et al. S Afr Med J 47:611-5, 14 Apr 73

DRUG THERAPY

Intestinal absorption of phosphate in the chick: effect of vitamin D and other parameters. Wasserman RH, et al. J Nutr 103:586-99, Apr 73

ENZYMOLOGY

Serum alkaline phosphatase and rickets in urban schoolchildren. Truswell AS. Br Med J 1:677, 17 Mar 73

ETIOLOGY

[Hepatobiliary osteopathy] Mifejovský P.
Cesk Patol 9:24-30, Feb 73 (Eng. Abstr.) (Cze)

FAMILIAL & GENETIC

Nutritional rickets at puberty. Moncrieff MW, et al.
Arch Dis Child 48:221-4, Mar 73

METABOLISM

Effects of cortisone administration on the metabolism and localization of 25-hydroxycholecalciferol in the rat. Favus MJ, et al. J Clin Invest 52:1328-35, Jun 73
Intestinal absorption of phosphate in the chick: effect of vitamin D and other parameters. Wasserman RH, et al. J Nutr 103:586-99, Apr 73
Regulation of 25-hydroxycholecalciferol-1-hydroxylase activity in kidney by parathyroid hormone. Fraser DR, et al. Nature [New Biol] 241:163-6, 7 Feb 73

OCCURRENCE

Nutrition in our society. Compton WA.
Ann Clin Lab Sci 3:66-72, Jan-Feb 73 (10 ref.)
Vitamin-D deficiency among Asian immigrants to Britain. Preece MA, et al. Lancet 809:907-10, 28 Apr 73

PHYSIOPATHOLOGY

Inhibition of bone matrix formation, mineralization, and resorption in thyroparathyroidectomized rats. Wergedal J, et al. J Clin Invest 52:1052-8, May 73

PREVENTION & CONTROL

The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73

NEUROENDOCRINOLOGY

1. Physical and Functional Aspects

AMYGDALOID BODY

ANALYSIS

Regional distribution of histamine in human brain. Lipinski JF, et al. **Brain Res** 52:403-8, 30 Mar 73

Chemistry and biology of two proteins, S-100 and 14-3-2, specific to the nervous system. Moore BW. **Int Rev Neurobiol** 15:215-25, 1972 (27 ref.)

ANATOMY & HISTOLOGY

Distribution of monoamine-containing nerve terminals in the brain of the painted turtle, Chrysemys picta. Parent A. **J Comp Neurol** 148:153-65, 15 Mar 73

CYTOLOGY

A golgi study of the amygdaloid complex in the cat. Tömböl T, et al. **Acta Neurobiol Exp (Warsz)** 32:835-48, 1972

Effect of diethyldithiocarbamate (DEDTC) on sulphide silver stained boutons. Reversible blocking of Timm's sulphide silver stain for "heavy" metals in DEDTC treated rats (light microscopy). Danscher G, et al. **Exp Brain Res** 16:521-32, 19 Mar 73

Nuclei of the amygdaloid body in cats--structure and acetylocholinesterase activity. Nitecka L, et al. **Folia Morphol (Warsz)** 32:39-50, 1973

DRUG EFFECTS

Suppression of motor conditioning by the injection of 3 M KCl in the caudate nuclei of cats. Prado-Alcala RA, et al. **Physiol Behav** 10:59-64, Jan 73

[Electroencephalographic effects of doxepin hydrochloride] Watanabe S, et al. **Folia Pharmacol Jap** 68:809-36, Nov 72 (Eng. Abstr.) (Jap)

[Microelectrophoretic study of the choline sensitivity of amygdaloid complex neurons] Gilinskii MA, et al. **Neirofiziologiia** 4:645-50, Nov-Dec 72 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Histochemical localization of acetylcholinesterase enzyme in the "limbic system" of the brain of the cebus monkey (Cebus apella). Girgis M. **Acta Anat (Basel)** 84:202-23, 1973

Nuclei of the amygdaloid body in cats--structure and acetylocholinesterase activity. Nitecka L, et al. **Folia Morphol (Warsz)** 32:39-50, 1973

METABOLISM

Spontaneous release and during metrazol convulsions of 5-hydroxytryptamine in some brain regions of conscious cat. Beleslin DB, et al. **Experientia** 29:182-3, 15 Feb 73

PATHOLOGY

[Pathologo-anatomic substrate of temporal lobe epilepsy] Folkner M. **Zh Nevropatol Psikhiatr** 72:1506-12, 1972 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Neurophysiologic aspects: extrahypothalamic factors in the regulation of food intake. Grossman SP. **Adv Psychosom Med** 7:49-72, 1972 (120 ref.)

Amygdala unit activity changes related to a spontaneous blood pressure increase. Ben-Ari Y, et al. **Brain Res** 52:394-8, 30 Mar 73

Role of forebrain structures in emotional expression in opossum. Hara K, et al. **Brain Res** 52:131-44, 30 Mar 73

Control of emotional behaviour through the hypothalamus and amygdaloid complex. Fonberg E. **Ciba Found Symp** 8:131-50, 1972

Plasticity at unitary level. I. An experimental design. Ben-Ari Y. **Electroencephalogr Clin Neurophysiol** 32:655-65, Jun 72

Plasticity at unitary level. II. Modifications during sensory-sensory association procedures. Ben-Ari Y, et al. **Electroencephalogr Clin Neurophysiol** 32:667-79, Jun 72

On the functional significance of subcortical single unit activity during sleep. Parmeggiani PL, et al. **Electroencephalogr Clin Neurophysiol** 34:495-508, May 73

Plasma GH responses to hypothalamic, hippocampal and amygdaloid electrical stimulation: effects of variation in stimulus parameters and treatment with -methyl-p-tyrosine (-MT). Martin JB, et al. **Endocrinology** 92:1354-61, May 73

Cardiovascular responses to electrical stimulation of the amygdala in the rat. Mogenson GJ, et al. **Exp Neurol** 39:166-80, Apr 73

Decisional analysis of the effects of limbic lesions of learning in monkeys. Spevack AA, et al. **J Comp Physiol Psychol** 82:211-26, Feb 73

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology** 11:183-90, 1973

SURGERY

Treatment of psychomotor epilepsy with stereotaxic amygdalotomy. West KA. **Ann Clin Res** 5:60-4, Feb 73

Psychosurgery. Brown MH. **J Neurosurg** 38:535-6, Apr 73

[Course of the descending central sympathetic pathway. Results of sweat secretion tests following stereotaxic subthalamotomy] Schiffter R, et al. **Arch Psychiatr Nervenkr** 216:379-92, 1972 (Eng. Abstr.) (Ger)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Withdrawal bleeding and luteinizing hormone secretion following progesterone in women with amenorrhea. Goldenberg RL, et al. **Am J Obstet Gynecol** 115:193-6, 15 Jan 73

Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. **J Clin Invest** 52:783-8, Apr 73

Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. **Neuroendocrinology** 11:183-90, 1973

Role of hypothalamus on development of adenohypophysis: an electron microscopic study. Daikoku S, et al. **Neuroendocrinology** 11:284-305, 1973

NEUROENDOCRINOLOGY

Pars intermedia of the hypophysis of rats after early-postnatal lesions of the basal hypothalamus: quantitative and qualitative observations. Ooki T, et al. **Neuroendocrinology 11:22-45, 1973**

[Changes in the amount of neurosecretion under experimental conditions] Prokšova EG, et al. **Anat Anz 132:315-24, 1972 (Ger)**

[Action of methallihure and exogen gonadotrophins on the testis of jenynsia lineata (Teleostei)] Calvo J, et al. **Acta Physiol Lat Am 22:212-7, 1972 (Spa)**

[Cyci AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA. **Rev Iber Endocrinol 20:27-44, Jan-Feh 73 (Eng. Abstr.) (Spa)**

ANALYSIS

The distrihution of vasopressin and neurophysin in the hypothalamo-distal-neurohypophysial and hypothalamo-infundihular neurosecretory systems of normal and scrapie-affected sheep. Livett BG, et al. **J Physiol (Lond) 230:20P-22P, Apr 73**

Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog. Alvarez-Buylla R, et al. **Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73**

The distrihution of monoamines in the tel-, di- and mesencephalon of Xenopus laevis tadpoles, with special reference to the hypothalamo-hypophysial system. Teriou M, et al. **Z Zellforsch Mikrosk Anat 137:521-40, 7 Mar 73**

[The relationship hetween the function of the genital system and the level of serotonin in the hypothalamus] Piekhova EI. **Fiziol Zh 18:834-6, Nov-Dec 72 (Ukr)**

ANATOMY & HISTOLOGY

Hypothalamic-hypophysial relationships in the South American lungfish Lepidosiren paradoxa. Zambrano D, et al. **Gen Comp Endocrinol 20:256-73, Apr 73**

Changes in the neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in response to irradiation and thiourea treatment. Haider S, et al. **Strahlentherapie 145:436-42, Apr 73**

The distribution of monoamines in the tel-, di- and mesencephalon of Xenopus laevis tadpoles, with special reference to the hypothalamo-hypophysial system. Teriou M, et al. **Z Zellforsch Mikrosk Anat 137:521-40, 7 Mar 73**

[Comparative micromorphology of the initial and final sections of the neurosecretory pathway of man, dog and rat] Meitner ER. **Anat Anz 132:325-31, 1972 (Ger)**

[Hypothalamus--pituitary gland. Functional-anatomical aspects] Nyberg-Hansen R. **Tidsskr Nor Laegeforen 92:2137-41, 20 Nov 72 (Eng. Abstr.) (Nor)**

BLOOD SUPPLY

Hypothalamic-hypophysial relationships in the South American lungfish Lepidosiren paradoxa. Zambrano D, et al. **Gen Comp Endocrinol 20:256-73, Apr 73**

[A case of secondary chronic adrenal insufficiency due to calcinosis of the vessels of the hypothalamo-hypophyseal area] Charnyĭ AM, et al. **Klin Med (Mosk) 50:134-7, Aug 72 (Rus)**

CYTOLOGY

A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotuhules of the hypothalamus-hypophysial tract in the rat. Parada MI, et al. **Experientia 29:195-6, 15 Feh 73**

DRUG EFFECTS

Inhibition of crop sac growth hy dexamethasone in ring doves (Streptopelia risoria). Silver R, et al. **Endocrinology 92:1568-71, May 73**

A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotubules of the hypothalamus-hypophysial tract in the rat. Parada MI, et al. **Experientia 29:195-6, 15 Feb 73**

Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and puhertal children. Keich RP, et al. **J Clin Invest 52:1122-8, May 73**

Androgenization of the female rat with androstenedioi. Johnson DC. **J Reprod Fertil 32:159-61, Jan 73**

The antiestrogenic effects of the ICI compound 46,474 in the green frog, Rana esculenta L. Rastogi RK. **Steroids Lipids Res 3:59-64, 1972**

Changes in the neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in response to irradiation and thiourea treatment. Haider S, et al. **Strahlentherapie 145:436-42, Apr 73**

[Effect of several neuroleptics on the hypophyso-genital system] Tuchmann-Duplessis H. **Bull Acad Nati Med (Paris) 156:536-40, 6 Jun 72 (Fre)**

[Partial growth hormone deficiency: endogenous growth hormone content and effect of exogenously administered human growth hormone] Butenandt O. **Klin Wochenschr 51:266-71, 15 Mar 73 (Eng. Abstr.) (Ger)**

[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortoione therapy following kidney transplantation] Nahmer D von der, et al. **Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)**

[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G. **Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)**

[Effect of cardiazol-induced convulsions on neurosecretory changes in the hypothalamo-pituitary system in rahhits] Pawlaczyk J, et al. **Patol Pol 24:187-95, Jan-Mar 73 (Eng. Abstr.) (Pol)**

EMBRYOLOGY

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G. **Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)**

GROWTH & DEVELOPMENT

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G. **Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)**

METABOLISM

Uptake, hinding and metabolism of testosterone in rat hrain tissues. Monhon M, et al. **Brain Res 53:139-50, 13 Apr 73**

Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors. Sandler M, et al. **Lancet 1:612, 17 Mar 73**

Release of luteinizing hormone hy oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al. **Neuroendocrinology 11:57-66, 1973**

[Water-salt test indices in uterine myoma patients] Bogdanovich M, et al. **Akush Ginekol (Mosk) 49:19-20, Jan 73 (Rus)**

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. **Klin Med (Mosk) 50:16-21, Aug 72 (Rus)**

PATHOLOGY

A new hypothalamic pathway to the median eminence containing neurophysin and its hypertrophy in sheep with natural scrapie. Parry HB, et al. **Nature 242:63-5, 2 Mar 73**

[Effect of cardiazol-induced convulsions on neurosecretory changes in the hypothalamo-pituitary system in rabbits] Pawlaczyk J, et al. **Patol Pol 24:187-95, Jan-Mar 73 (Eng. Abstr.) (Pol)**

PHYSIOLOGY

ADH release from cut pituitary stalk and intact pituitary gland during hippocampal stimulation of various frequencies in rats. Tomas T, et al. **Neuroendocrinology 11:257-67, 1973**

Some factors controlling the secretion of antidiuretic hormone and renin. Malvin RL. **Rev Invest Clin 24:317-28, Oct-Dec 72**

[The mechanisms which regulate ovulation] Curchod A, et al. **Rev Med Suisse Romande 92:775-84, Oct 72 (Fre)**

[Excretion of luteinizing hormone and clomiphene] Ruiz Velasco V.

Ginecol Obstet Mex 33:167-84, Feb 73 (Eng. Abstr.) (Spa)
[Neurosecretory activity of the hypothalamus after adrenalectomy in dogs] Drozdovych II, et al. Fiziol Zh 18:621-6, Sep-Oct 72 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Variations in the plasma cortisol response to insulin hypoglycemia in children. Toppet M, et al. Acta Paediatr Belg 26:225-40, 1972
Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea. Black WP, et al. Am J Obstet Gynecol 114:739-47, 15 Nov 72
Hypothalamo-pituitary function in Pickwickian syndrome. Smirne S, et al. Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72
Effect of dehydration on the neuroendocrine system of an arid zone avian species. Ghosh A, et al. Gegenbaurs Morphol Jahrb 118:414-22, 1973
Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mahry CC, et al. J Pediatr 82:625-33, Apr 73
[Hypothalamo-anterior pituitary-adrenal cortex system under continuous alternating and circadian fluocortolone therapy following kidney transplantation] Nahmer D von der, et al. Med Klin 67:1700-5, 22 Dec 72 (Eng. Abstr.) (Ger)
[The hypophysis in anorexia nervosa] Bassoe HH. Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)
[Congenital generalized lipodystrophy] Seip M. Tidsskr Nor Laegeforen 92:2181-4, 20 Nov 72 (Eng. Abstr.) (Nor)
[Chlorotrianisene therapy of menstrual function disorders and of female sterility of endocrine origin] Kheifets SN, et al. Akush Ginekol (Mosk) 49:36-40, Jan 73 (Eng. Abstr.) (Rus)
[Prolactin and galactorrhea] Villa JG, et al. Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)
[Galactorrea. Study of 15 cases] Villa JG, et al. Rev Clin Esp 128:233-8, 15 Feb 73 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

Changes in the neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in response to irradiation and thiourea treatment. Halder S, et al. Strahlentherapie 145:436-42, Apr 73

SECRETION

Release of neurohormones and neurotransmitters in the median eminence of the rat. Stoeckart R. Acta Morphol Neerl Scand 10:386, Dec 72
[Comparative micromorphology of the initial and final sections of the neurosecretory pathway of man, dog and rat] Meitner ER. Anat Anz 132:325-31, 1972 (Ger)
[Excretion of gonadotropic hormones in uterine fibromyoma patients] Benediktov II, et al. Akush Ginekol (Mosk) 49:13-6, Jan 73 (Eng. Abstr.) (Rus)
[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskif OK, et al. Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)

HYPOTHALAMUS

Localization of oestradiol receptors in the rat hypothalamus. Kato J. Acta Endocrinol (Kbh) 72:663-70, Apr 73
Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al. Aust NZ J Med 2:366-75, Nov 72
On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor. Wakabayashi K, et al. Endocrinology 92:698-704, Mar 73
Antiepileptic properties of 9 -tetrahydrocannabinol. Wada JA, et al. Exp Neurol 39:157-65, Apr 73
The visual connection: enter nucleus suprachiasmaticus. Laties AM. Invest Ophthalmol 12:237-9, Apr 73
A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum. Nett TM, et al. J Clin Endocrinol Metab 36:880-5, May 73
Thermoregulatory effects of prostaglandins E 1 , E 2 , F 1 and F 2 in the sheep. Hales JR, et al. Pfluegers Arch 339:125-33, 21 Mar 73
A spring loaded carrier for transection of fornix and other large fiber bundles. Hamilton LW, et al. Physiol Behav 10:157-9, Jan 73
The effect of colchicine on the release of rat anterior pituitary hormones in vitro. Sundberg DK, et al. Proc Soc Exp Biol Med 142:1097-100, Apr 73
[Granuloma of the hypothalamus. Similar symptomatology and course in 3 cases of different etiology] Voigt K, et al. Arch Psychiatr Nervenkr 216:343-57, 1972 (Eng. Abstr.) (Ger)
[General adaptation syndrome in the young animal] Hartmann H, et al. Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al. Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)
[Vaginal cytohormonal smears in pregnant women with hypothalamic syndrome. 3. Karyopyknotic, eosinophilic, crowded cell, folded cell and navicular cell indices] Walas E, et al. Ginekol Pol 44:257-61, Mar 73 (Eng. Abstr.) (Pol)
[Morgagni-Morel-Stewart syndrome in a patient with kidney hyperplasia] Kovalev VF, et al. Ter Arkh 44:85-8, Sep 72 (Eng. Abstr.) (Rus)
[Unterkarnshaidt's syncopal certebral syndrome (clinico-reoencephalographic parallels)] Ratner AIu, et al. Zh Nevropatol Psikhiatr 12:1816-9, 1972 (Eng. Abstr.) (Rus)
[Epicritical hyperesthesia in the clinical picture of organic brain lesions] Shogam II. Zh Nevropatol Psikhiatr 12:1852-7, 1972 (Eng. Abstr.) (Rus)

ANALYSIS

Regional distribution of histamine in human brain. Lipinski JF, et al. Brain Res 52:403-8, 30 Mar 73
Studies of neurophysin secreting neurons with immunoperoxidase techniques employing antibody to bovine neurophysin. I. Light microscopic findings in monkey and bovine tissues. Zimmerman EA, et al. Endocrinology 92:931-40, Mar 73
Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. Indian J Exp Biol 10:360-1, Sep 72
Hypothalamic follicle-stimulating-hormone-releasing factor content in the female rat before and after puberty. Sud SC, et al. Indian J Exp Biol 10:262-4, Jul 72
Effects of 6-methoxy-1,2,3,4-tetrahydro- -carboline on the regional and subcellular distribution of serotonin in mouse and rat brains. Ho BT, et al. Life Sci [I] 11:493-502, 15 May 72
Radioimmunoassay for substance P. Powell D, et al. Nature [New Biol] 241:252-4, 21 Feb 73
The effect of infantile stimulation upon hypothalamic CRF levels following adrenalectomy in the adult rat. Campbell PS, et al. Proc Soc Exp Biol Med 142:781-3, Mar 73
An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH. Rivier C, et al. Proc Soc Exp Biol Med 142:842-5, Mar 73
Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog. Alvarez-Buylla R, et al. Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73
The distribution of monoamines in the tel-, di- and mesencephalon of Xenopus laevis tadpoles, with special reference to the hypothalamo-hypophysial system. Teriou M, et al. Z Zellforsch Mikrosk Anat 137:521-40, 7 Mar 73
Distribution of monoamines in the diencephalon and pituitary of the dogfish, Scyliorhinus canicula L. Wilson JF, et al. Z Zellforsch Mikrosk Anat 137:451-69, 7 Mar 73
[The effect of aminazine and imizine on the metabolism of dicarboxylic amino acids and their derivatives (glutamine and gamma-aminobutyric acid) in the cat brain] Akshabseva KA. Ukr Biokhim Zh 44:182-5, 1972 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Retinal projections in the lemon shark (Negaprion

brevirostris). Graeber RC, et al.
Brain Behav Evol 5:461-77, 1972

Anatomic connections of the fastigial nucleus to the rostral forebrain in the cat. Harper JW, et al.
Exp Neurol 39:285-92, Mar-Apr 73

The organization and projections of the paleostriatal complex in the pigeon (Columba livia). Karten HJ, et al. J Comp Neurol 148:61-89, 1 Mar 73

Distribution of monoamine-containing nerve terminals in the brain of the painted turtle, Chrysemys picta. Parent A. J Comp Neurol 148:153-65, 15 Mar 73

Electrophysiological identification of cell bodies of the tubero-infundibular neurones in the rat. Sawaki Y, et al. J Physiol (Lond) 230:75-85, Apr 73

The nuclei of the posterior part of the hypothalamus of the cow. Gadamski R, et al.
Z Mikrosk Anat Forsch 86:244-56, 1972

BLOOD SUPPLY

Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73

CYTOLOGY

Synaptic alterations in the rabbit hypothalamus following long term administration of haloperidol. Koizumi J, et al.
Folia Psychiatr Neurol Jap 26:319-26, 1972

The visual connection: enter nucleus suprachiasmaticus. Laties AM.
Invest Ophthalmol 12:237-9, Apr 73

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

Competition between the elongation factors 1 and 2, and phenylalanyl transfer ribonucleic acid for the ribosomal binding sites in a polypeptide-synthesizing system from brain. Richter D.
J Biol Chem 248:2853-7, 25 Apr 73

The localization of catecholamine fluorescence to dog hypothalamic neuromelanin-bearing neurons. Barden H, et al. J Histochem Cytochem 21:175-83, Feb 73

The nuclei of the posterior part of the hypothalamus of the cow. Gadamski R, et al.
Z Mikrosk Anat Forsch 86:244-56, 1972

Morphological aspects of the hypothalamic-hypophyseal system. IV. Medial basal hypothalamus. An experimental morphological study. Akmayev IG, et al.
Z Zelliforsch Mikrosk Anat 137:493-512, 7 Mar 73

Ultrastructural aspects of the nucleus infundibularis dorsalis in the caudal hypothalamus of Xenopus laevis. Peute J.
Z Zelliforsch Mikrosk Anat 137:513-20, 7 Mar 73

The distribution of monoamines in the tel-, di- and mesencephalon of Xenopus laevis tadpoles, with special reference to the hypothalamo-hypophysial system. Terlou M, et al.
Z Zelliforsch Mikrosk Anat 137:521-40, 7 Mar 73

Distribution of monoamines in the diencephalon and pituitary of the dogfish, Scyliorhinus canicula L. Wilson JF, et al.
Z Zelliforsch Mikrosk Anat 137:451-69, 7 Mar 73

[Typical lysosomal forms in the cells of individual areas of the rat central nervous system] Davidoff M, et al.
Brain Res 49:125-33, 15 Jan 73 (Eng. Abstr.) (Ger)

[Use of cytoarchitectonic criteria for neuron typification in electron microscopy] Burri PH, et al.
J Hirnforsch 13:509-20, 1973 (Eng. Abstr.) (Ger)

[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G.
Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

[Morphological pattern of cells of the supraoptic nucleus in guinea pigs under urethane general anesthesia] Galasińska-Pomykol I, et al.
Endokrynol Pol 24:71-8, Jan-Feb 73 (Eng. Abstr.) (Pol)

DRUG EFFECTS

Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972

The concentration of 5-hydroxytryptamine (5-HT) in hypothalamus, grey and white brain substance in the rat after prolonged oral lithium administration. Genefke IK. Acta Psychiatr Scand 48:400-4, 1972

Pharmacological inhibition of eating, drinking and prandial drinking. Glick SD, et al.
Behav Biol 8:55-61, Jan 73

Effects of mercuric chloride on the reproductive cycle of the female hamster. Lamperti AA, et al.
Biol Reprod 8:378-87, Apr 73

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)

Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73

Temporal patterns of LH release following graded preoptic electrochemical stimulation in proestrous rats. Turgeon J, et al. Endocrinology 92:755-61, Mar 73

Synaptic alterations in the rabbit hypothalamus following long term administration of haloperidol. Koizumi J, et al.
Folia Psychiatr Neurol Jap 26:319-26, 1972

Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. Indian J Exp Biol 10:360-1, Sep 72

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

Chemical stimulation of the brain: relationship between neural activity and water ingestion in the rat. Buerger PB, et al.
J Comp Physiol Psychol 82:278-85, Feb 73

Inhibition of ovulation in the rat by intrahypothalamic implants of an antioestrogen. Billard R, et al.
J Endocrinol 56:585-90, Mar 73

The distribution of catecholamines in the hypothalamus and other brain areas of some lower vertebrates. Juorio AV. J Neurochem 20:641-5, Feb 73

Brain sites of precipitated abstinence in morphine-dependent rats. Wei E, et al.
J Pharmacol Exp Ther 185:108-15, Apr 73

Effects of vaginal stimulation and luteinizing hormone on hypothalamic single units in the freely moving rabbit. Dufy B, et al.
Neuroendocrinology 11:119-29, 1973

Serum prolactin levels in humans from birth to adult life. Guyda HJ, et al. Pediatr Res 7:534-40, May 73

Insulin, glucose and hypothalamic regulation of feeding. Panksepp J, et al.
Physiol Behav 9:447-51, Sep 72

Effects of intraventricular (3 ventricle) injections of 2-deoxy-D-glucose, glucose and xylose on feeding behavior of sheep. Seoane JR, et al.
Physiol Behav 9:423-8, Sep 72

Hypothalamic glucoreceptors--the influence of thioglucose implants in the ventromedial and lateral hypothalamic areas of normal and diabetic rats. Smith CJ. Physiol Behav 9:391-6, Sep 72

The effect of intrahypothalamic administration of sodium pentobarbital on eating behaviour and feed intake in chickens. Snapir N, et al.
Physiol Behav 10:97-100, Jan 73

Effects of 9 -tetrahydrocannabinol and ethyl alcohol on adjunctive behavior and the lateral hypothalamus. Wayner MJ, et al. Physiol Behav 10:109-32, Jan 73

Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues. Whalen RE, et al.
Physiol Behav 10:35-40, Jan 73

The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al.
Proc Soc Exp Biol Med 143:260-4, May 73

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72

Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonadotrophin secretion. Orczyk GP, et al.
Prostaglandins 1:3-20, Jan 72

Nerve growth factor: enhanced recovery of feeding after hypothalamic damage. Berger BD, et al.
Science 180:506-8, 4 May 73

Histamine: effect on self-stimulation. Cohn CK, et al.
Science 180:757-8, 18 May 73

[Histoenzymologic study of acute hypothalamic lesions in mice treated with aurothioglucose] Marcanik J, et

NEUROENDOCRINOLOGY

al.
Acta Neurol Belg 73:63-8, Jan-Feb 73 (Eng. Abstr.) (Fre)

[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G.
Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

[Regulation of gonadotropin secretion] Attramadal A.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Eng. Abstr.) (Nor)

[Morphological pattern of cells of the supraoptic nucleus in guinea pigs under urethane general anesthesia] Galasińska-Pomykol I, et al.
Endokrynol Pol 24:71-8, Jan-Feb 73 (Eng. Abstr.) (Pol)

[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72

ENZYMOLOGY

Histochemical localization of acetylcholinesterase enzyme in the "limbic system" of the brain of the cebus monkey (Cebus apella). Girgis M.
Acta Anat (Basel) 84:202-23, 1973

Effect of calcium, potassium and sodium on tyrosine hydroxylase activity in different regions of the rat brain. Gutman Y, et al.
Biochem Pharmacol 22:865-8, 1 Apr 73

Catecholamine metabolism in the brains of ageing male mice. Finch CE. Brain Res 52:261-76, 30 Mar 73

Rat brain L-3,4-dihydroxyphenylalanine and L-5-hydroxytryptophan decarboxylase activities: differential effect of 6-hydroxydopamine. Sims KL, et al. Brain Res 49:165-75, 15 Jan 73

The stimulatory influence of gonadal steroids and metabilibure (ICI 33,828) on peptidase activity in the female rat hypothalamus. Griffiths EC, et al.
Fertil Steril 24:269-74, Apr 73

The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions. Parvez H, et al.
J Neurochem 20:1011-20, Apr 73

Morphological aspects of the hypothalamic-hypophyseal system. IV. Medial basal hypothalamus. An experimental morphological study. Akmayev IG, et al.
Z Zellforsch Mikrosk Anat 137:493-512, 7 Mar 73

[Histoenzymologic study of acute hypothalamic lesions in mice treated with aurothioglucose] Marcanik J, et al.
Acta Neurol Belg 73:63-8, Jan-Feb 73 (Eng. Abstr.) (Fre)

[The need to determine the substrate-enzyme complexes in obstetrical diagnosis] Klimek R, et al.
Ginekol Pol 44:445-53, Apr 73 (60 ref.) (Eng. Abstr.) (Pol)

GROWTH & DEVELOPMENT

The development of the diencephalon of the Chinese hamster. An investigation of the validity of the criteria of subdivision of the brain. Keyser A.
Acta Anat (Basel) 83:Suppl 59:1-178, 1972

[Postnatal maturation of the optic tract in the rat: identification and quantifying of the neuroglia on radio-autographs] Fulcrand J, et al.
Exp Brain Res 16:466-75, 19 Mar 73 (Eng. Abstr.) (Fre)

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G.
Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)

INJURIES

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al.
J Clin Invest 52:1099-107, May 73

Pulmonary surface activity alterations associated with pulmonary edema following preoptic hypothalamic lesions in rats. Park CD, et al.
Proc Soc Exp Biol Med 142:1025-30, Mar 73

[Sodium loss of probable central origin after cranio-cerebral hullet injury] Lefebvre J, et al.
Ann Endocrinol (Paris) 33:73-82, Jan-Feb 72 (Eng. Abstr.) (Fre)

INNERVATION

Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat. Blake CA, et al.
Endocrinology 92:1419-25, May 73

METABOLISM

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73

The concentration of 5-hydroxytryptamine (5-HT) in hypothalamus, grey and white brain substance in the rat after prolonged oral lithium administration. Genefke IK. Acta Psychiatr Scand 48:400-4, 1972

Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Lehrer GM, et al. Arch Neurol 28:324-8, May 73

The role of 5-hydroxytryptamine and noradrenaline in the hyperthermic reaction induced by pethidine in rabbits pretreated with pargyline. Fahim I, et al.
Br J Pharmacol 46:416-22, Nov 72

Catecholamine metabolism in the brains of ageing male mice. Finch CE. Brain Res 52:261-76, 30 Mar 73

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al.
Brain Res 53:139-50, 13 Apr 73

Biosynthesis of cerebral phenolic amines. II. In vivo regional formation of p-tyramine and octopamine from tyrosine and dopamine. Boulton AA, et al.
Can J Biochem 51:428-35, Apr 73

Ouabain-induced seizures in rats: relationship to brain monoamines. Izumi K, et al.
Can J Biochem 51:198-203, Feb 73

Metabolic and behavioural correlates of obesity. Grinker J, et al. Ciba Found Symp 8:349-69, 1972

Localization in hypothalamus of increased incorporation of 3H cytidine into RNA in response to oral hypertonic saline. George JM.
Endocrinology 92:1550-5, May 73

Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate. Payne AH, et al.
J Biol Chem 248:1598-602, 10 Mar 73

Competition between the elongation factors 1 and 2, and phenylalanyl transfer ribonucleic acid for the ribosomal binding sites in a polypeptide-synthesizing system from brain. Richter D.
J Biol Chem 248:2853-7, 25 Apr 73

Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo. Crocker JM, et al. J Endocrinol 56:213-8, Feb 73

Protein synthesis in different hypothalamic areas during the sexual cycle in rats: influence of castration. Moguilevsky JA, et al.
J Endocrinol 55:147-52, Oct 72

The uptake of -(3 H)aminobutyric acid by slices from various regions of rat brain and the effect of lithium. Bond PA. J Neurochem 20:511-7, Feb 73

The distribution of catecholamines in the hypothalamus and other brain areas of some lower vertebrates. Juorio AV. J Neurochem 20:641-5, Feb 73

Long-term recovery of serotonin concentrations in the rat CNS following 5,6-dihydroxytryptamine. Baumgarten HG, et al. Life Sci [I] 12:357-64, 15 Apr 73

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system. Flores F, et al. Neuroendocrinology 11:177-82, 1973

Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Hiroshige T, et al.
Neuroendocrinology 11:306-20, 1973

Sex-dependent increase in pineal hydroxyindole-O-methyl transferase activity after a single intraventricular injection of 6-hydroxydopamine to newborn rats. Hyyppä MT, et al. Neuroendocrinology 11:274-83, 1973

Effects of neurohumoral and adrenergic agents on

cyclic AMP levels in various areas of the rat brain in vitro. Palmer GC, et al.
Neuropharmacology 12:327-37, Apr 73
Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Coleoni AH.
Pharmacology 8:300-10, 1972
Hypothalamic glucoreceptors--the influence of thioglucose implants in the ventromedial and lateral hypothalamic areas of normal and diabetic rats. Smith CJ. Physiol Behav 9:391-6, Sep 72
The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al.
Proc Soc Exp Biol Med 143:260-4, May 73
Effect of tyrosine hydroxylase inhibition on the action of 6-hydroxydopamine. Jonsson G, et al.
Res Commun Chem Pathol Pharmacol 5:287-96, Mar 73
Sexual steroid uptake in the alloxanized diabetic rat. Denari JH, et al. Steroids Lipids Res 3:151-5, 1972
Morphological aspects of the hypothalamic-hypophyseal system. IV. Medial basal hypothalamus. An experimental morphological study. Akmayev IG, et al.
Z Zellforsch Mikrosk Anat 137:493-512, 7 Mar 73
[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)
[Effect of DOPA administration on catecholamine metabolism in rats during physical exertion (swimming)] Matlina ESh, et al.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Modification of alloxan-induced diabetes: correlated changes in hypothalamic satiety center. Debons AF, et al. Am J Physiol 224:862-9, Apr 73
Malignant optic glioma of adulthood. Hoyt WF, et al. Brain 96:121-32, 1973
Synaptic alterations in the rabbit hypothalamus following long term administration of haloperidol. Koizumi J, et al.
Folia Psychiatr Neurol Jap 26:319-26, 1972
[Granuloma of the hypothalamus. Similar symptomatology and course in 3 cases of different etiology] Voigt K, et al.
Arch Psychiatr Nervenkr 216:343-57, 1972 (Eng. Abstr.) (Ger)
[Neoplasm metastasis in Luys' body. Case report on etiology and pathogenesis of hemiballism] Ossenkopp G, et al. Nervenarzt 44:99-101, Feb 73 (Ger)

PHYSIOLOGY

Effect of electrical stimulation of the hypothalamus on the onset of puberty and ability to reproduce in female rats. Meijs-Roelofs HM.
Acta Morphol Neerl Scand 10:385, Dec 72
Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972
The role of the anterior region of the medial basal hypothalamus in the control of ovulation and sexual behavior in sheep. Domański E, et al.
Acta Neurobiol Exp (Warsz) 32:753-62, 1972
Electrical activity of the hippocampus during delayed responses and hypothalamic stimulation in the cat. Oniani TN, et al.
Acta Neurobiol Exp (Warsz) 32:799-816, 1972
Interaction between the fastigial pressor response and the defence reaction. Lisander B, et al.
Acta Physiol Scand 87:359-67, Mar 73
Neurophysiologic aspects: extrahypothalamic factors in the regulation of food intake. Grossman SP.
Adv Psychosom Med 7:49-72, 1972 (120 ref.)
Modification of alloxan-induced diabetes: correlated changes in hypothalamic satiety center. Debons AF, et al. Am J Physiol 224:862-9, Apr 73
Self-stimulation and body weight in rats with lateral hypothalamic lesions. Keesey RE, et al.
Am J Physiol 224:970-8, Apr 73
Thermosensitivity of medulla oblongata in control of body temperature. Lipton JM.
Am J Physiol 224:890-7, Apr 73
Behavioral and physiological studies of septal function and related medial cortical structures. Lubar JF, et al.
Behav Biol 8:1-25, Jan 73 (109 ref.)
Temporal changes in amine synthesizing enzymes of rat extrapyramidal structures after hemitransections or 6-hydroxydopamine administration. McGeer EG, et al.
Brain Res 52:289-300, 30 Mar 73
Threshold of respiratory responses to preoptic heating during sleep in freely moving cats. Parmeggiani PL, et al. Brain Res 52:189-201, 30 Mar 73
Control of emotional behaviour through the hypothalamus and amygdaloid complex. Fonberg E. Ciba Found Symp 8:131-50, 1972
The structure of the emotions and the limbic system. Gray JA. Ciba Found Symp 8:87-120, 1972
Expectancy and the pituitary-adrenal system. Levine S, et al. Ciba Found Symp 8:281-91, 1972
Emotion and the cardiovascular system in the cat. Zanchetti A, et al. Ciba Found Symp 8:201-19, 1972
Central regulation of temperature in cold environments. 1. A dynamic model with two temperature inputs. Horowitz JM, et al.
Comput Biomed Res 6:57-73, Feb 73
Electrophysiological studies of somatosensory projections to the septum of the cat. Feldman S, et al.
Confin Neurol 35:34-49, 1973
On the functional significance of subcortical single unit activity during sleep. Parmeggiani PL, et al.
Electroencephalogr Clin Neurophysiol 34:495-506, May 73
Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor. LaBella FS, et al.
Endocrinology 92:1571-4, May 73
Plasma GH responses to hypothalamic, hippocampal and amygdaloid electrical stimulation: effects of variation in stimulus parameters and treatment with -methyl-p-tyrosine (-MT). Martin JB, et al.
Endocrinology 92:1354-61, May 73
Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Schoot P van der, et al. Endocrinology 92:674-8, Mar 73
Temporal patterns of LH release following graded preoptic electrochemical stimulation in proestrous rats. Turgeon J, et al. Endocrinology 92:755-61, Mar 73
Influence of synchronized sleep upon spontaneous and induced discharges of single units in visual system. Sato T, et al. Exp Brain Res 16:533-41, 19 Mar 73
Opposite medial thalamic unit responses to rewarding and aversive brain stimulation. Keene JJ.
Exp Neurol 39:19-35, Apr 73
The impairment of the thermoregulatory 'set-point' of a sheep in the apparent absence of any interference with the pathways between temperature sensors and thermoregulatory effectors. Maskrey M, et al.
Experientia 28:794-5, 15 Jul 72
Basal forebrain heating and osmotic reactivity of the thirst mechanism in dogs. Szczepańska-Sadowska E.
Experientia 29:155-6, 15 Feb 73
Basal forebrain heating and ADH release in dogs. Szczepańska-Sadowska E.
Experientia 29:223-4, 15 Feb 73
Incidence and magnitude of the "priming effect" in self-stimulating rats. Reid LD, et al.
J Comp Physiol Psychol 82:286-93, Feb 73
Inhibition of ovulation in the rat by intrahypothalamic implants of an antioestrogen. Billard R, et al.
J Endocrinol 56:585-90, Mar 73
Electrophysiological identification of cell bodies of the tubero-infundibular neurones in the rat. Sawaki Y, et al. J Physiol (Lond) 230:75-85, Apr 73
Catecholamine synthesis and the regulation of food intake in the rat. Friedman E, et al.
Life Sci [I] 12:317-26, 1 Apr 73
Failure of reserpine to block ether-induced release of prolactin: physiological evidence that stress induced prolactin release is not caused by acute inhibition of PIF secretion. Valverde C, et al.
Life Sci [I] 12:327-35, 1 Apr 73
Facilitation of recovery after lateral hypothalamic damage by prior ablation of frontal cortex. Glick SD, et al. Nature [New Biol] 239:187-8, 11 Oct 72
Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus. Bouillé C, et al.
Neuroendocrinology 11:73-91, 1973
Effect of stress and hypothalamic deafferentation on the secretion of growth hormone in the rat. Collu R, et al. Neuroendocrinology 11:183-90, 1973
Role of hypothalamus on development of adenohypophysis: an electron microscopic study. Daikoku S, et al. Neuroendocrinology 11:284-305, 1973

NEUROENDOCRINOLOGY

Effects of vaginal stimulation and luteinizing hormone on hypothalamic single units in the freely moving rabbit. Dufy B, et al.
Neuroendocrinology 11:119-29, 1973

Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat. Lengvárl I, et al.
Neuroendocrinology 11:191-6, 1973

Pars intermedia of the hypophysis of rats after early-postnatal lesions of the basal hypothalamus: quantitative and qualitative observations. Ooki T, et al. Neuroendocrinology 11:22-45, 1973

Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al.
Neuroendocrinology 11:92-100, 1973

Vagally mediated cardiac reflexes and their modulation by diazepam and pentobarbital. Keim KL, et al.
Neuropharmacology 12:319-25, Apr 73

Amino acids and polypeptides in neuronal function. Bloom FE.
Neurosci Res Program Bull 10:121-251, May 72 (435 ref.)

The composition of the body: its maintenance and regulation. McCance RA.
Nutr Abstr Rev 42:1269-79, Oct 72 (154 ref.)

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

Intracranial reinforcement in pigeons: an analysis using concurrent schedules. Davis AH, et al.
Physiol Behav 9:385-90, Sep 72

Instrumental learning without proprioceptive feedback. Koslovskaya IB, et al.
Physiol Behav 10:101-7, Jan 73

Insulin, glucose and hypothalamic regulation of feeding. Panksepp J, et al.
Physiol Behav 9:447-51, Sep 72

Hypothalamic glucoreceptors--the influence of thioglucose implants in the ventromedial and lateral hypothalamic areas of normal and diabetic rats. Smith CJ. Physiol Behav 9:391-6, Sep 72

The effect of intrahypothalamic administration of sodium pentobarbital on eating behaviour and feed intake in chickens. Snapir N, et al.
Physiol Behav 10:97-100, Jan 73

Effects of 9 -tetrahydrocannabinol and ethyl alcohol on adjunctive behavior and the lateral hypothalamus. Wayner MJ, et al. Physiol Behav 10:109-32, Jan 73

Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73

Catecholamine-containing neurones and electrical self-stimulation. 1. A review of some data. Crow TJ.
Psychol Med 2:414-21, Nov 72 (48 ref.)

Tolerance in the depression of intake when amphetamine is added to the rat's food. Panksepp J, et al. Psychopharmacologia 29:45-54, 27 Feb 73

Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al.
Sov J Dev Biol 3:305-12, Jul-Aug 72

How does the brain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)

[Mesencephalic central gray matter and inter-species aggressive behavior in the rat] Chaurand JP, et al.
Physiol Behav 9:475-81, Sep 72 (Eng. Abstr.) (Fre)

[Significance of pre- or perinatal environmental conditions for the postnatal regulation of neuroendocrine systems] Dörner G.
Endokrinologie 61:107-24, 1973 (Eng. Abstr.) (Ger)

[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)

[Nervous system principles of temperatue regulation in agricultural animals] Nichelmann M, et al.
Monatsh Vet Med 27:703-13, 15 Sep 72 (Eng. Abstr.) (Ger)

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. 1. The fertile age] Aakvaag A.
Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Eng. Abstr.) (Nor)

[Gonadotropins and the hypothalamus--hypophysis--gonad interaction. II. Before puberty, after menopause and in elderly men] Nissen-Meyer R.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)

[Cycl AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA.
Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

[Functional state of different encephalon areas under the effect of extreme stimuli] Britvan IaM, et al.
Fiziol Zh 18:644-53, Sep-Oct 72 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function. Males JL, et al.
Arch Intern Med 131:501-7, Apr 73

The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma. Tribe AE, et al. Aust NZ J Med 3:6-13, Feb 73

Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Kehlet H, et al.
Br Med J 2:147-9, 21 Apr 73

Hypothalamic stimulation and the persistence of epileptiform discharges. Isaacson RL, et al.
Brain Res 49:194-9, 15 Jan 73

Central regulation of temperature in cold environments. 1. A dynamic model with two temperature inputs. Horowitz JM, et al.
Comput Biomed Res 6:57-73, Feb 73

Paradox temperature response in atopic dermatitis. Kocsard E, et al. Dermatologica 146:8-14, 1973

Effect of dehydration on the neuroendocrine system of an arid zone avian species. Ghosh A, et al.
Gegenbaurs Morphol Jahrb 118:414-22, 1973

Alteration of circadian temperature rhythm with third ventricular obstruction. Page RB, et al.
J Neurosurg 38:309-19, Mar 73

Stereotactic hypothalamotomy for the alleviation of pain in malignant tumors. Fairman D.
J Surg Oncol 5:79-84, 1973

Chronic stress effects on adrenocortical responsiveness in young and aged rats. Riegle GD.
Neuroendocrinology 11:1-10, 1973

The neurophysiologic basis of pain. Casey KL.
Postgrad Med 53:58-63, May 73

Congenital hypothalamic lesion leading to growth hormone deficiency and destruction of appetite astiety centre. Harris F, et al.
Proc R Soc Med 66:217, Mar 73

Pulmonary surface activity alterations associated with pulmonary edema following preoptic hypothalamic lesions in rats. Park CD, et al.
Proc Soc Exp Biol Med 142:1025-30, Mar 73

Suppression of the drug-induced morphine withdrawal syndrome by cyproheptadine. Opitz K, et al.
Psychopharmacologia 28:165-70, 1 Jan 73

Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Skebel'skaya YB. Sov J Dev Biol 3:188-93, May-Jun 72

How does the brain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)

[Course of the descending central sympathetic pathway. Results of sweat secretion tests following stereotaxic suhthalamotomy] Schiffter R, et al.
Arch Psychiatr Nervenkr 216:379-92, 1972 (Eng. Abstr.) (Ger)

[Brain and ulcer] Masuda M, et al.
Fortschr Med 91:509-12, 26 Apr 73 (Ger)

[The hypophysis in anorexia nervosa] Bassoe HH.
Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)

[Characteristics of statistical parameters of the EEG stress rhythm of the cerebral cortex and subcortical structures in conditions of pain-induced stress] Anokhin PK, et al.
Dokl Akad Nauk SSSR 209:249-52, Mar-Apr 73 (Rus)

[Changes of electrocardiogram in patients with vegetative paroxysms of cerebral origin] Dobrin BIu.
Ter Arkh 44:47-50, Sep 72 (Rus)

[The role of age-related changes in the hypothalamus in the formation of vegetative and metabolic disorders during the postclimacteric] Makarchenko AF, et al.
Fiziol Zh 19:159-62, Mar-Apr 73 (Eng. Abstr.) (Ukr)

SECRETION

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)

ADH release from cut pituitary stalk and intact pituitary gland during hippocampal stimulation of various frequencies in rats. Tomas T, et al.
Neuroendocrinology 11:257-67, 1973

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)
[The hypothalamo--pituitary--adrenal axis] Solem JH.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)

SURGERY

Stereotactic hypothalamotomy for the alleviation of pain in malignant tumors. Fairman D.
J Surg Oncol 5:79-84, 1973
Pituitary--adrenal function following ablation of medial basal hypothalamus. Dunn J, et al.
Proc Soc Exp Biol Med 142:749-54, Mar 73
[Central disorders of temperature regulation. Clinical-experimental study] Lausberg G.
Acta Neurochir (Wien) 19:Suppl:1-168, 1972 (Eng. Abstr.) (Ger)
[Course of the descending central sympathetic pathway. Results of sweat secretion tests following stereotaxic subthalamotomy] Schiffter R, et al.
Arch Psychiatr Nervenkr 216:379-92, 1972 (Eng. Abstr.) (Ger)
[Stereotaxic hypothalamotomy in aggressiveness] Matera R, et al.
Acta Neurol Lat Am 18:96-9, 1972 (Eng. Abstr.) (Spa)

NEUROSECRETORY SYSTEMS

ANATOMY & HISTOLOGY

[Comparative micromorphology of the initial and final sections of the neurosecretory pathway of man, dog and rat] Meitner ER. Anat Anz 132:325-31, 1972 (Ger)
["Neurohemal organ" in lowly organized crustacea] Kulakovskiĭ EE.
Dokl Akad Nauk SSSR 209:246-8, Mar-Apr 73 (Rus)

CYTOLOGY

Release of neurohormones and neurotransmitters in the median eminence of the rat. Stoeckart R.
Acta Morphol Neerl Scand 10:386, Dec 72
Axon pathways of the intermediate neurosecretory cells in Culex tarsalis Coquillett (Diptera: Culicidae). Burgess L. Can J Zool 51:379-82, Mar 73
Peracetic acid as an oxidizer to replace permanganate in the staining of neurosecretory cells. Tan KH.
Stain Technol 48:140-1, May 73
Ultrastructure of the lateral neurosecretory cells during reproductive development of Sitophilus granarius (L.) (Insecta: Coleoptera). Sandifer JB, et al. Tissue Cell 4:437-46, 1972

DRUG EFFECTS

[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G.
Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

Incorporation of cysteine into the cerebral neurosecretory system of adult desert locusts. Mordue AJ, et al.
Gen Comp Endocrinol 20:351-7, Apr 73
[The effect of cyclophosphamide on the diencephalo-hypophyseal system of the rat. Light and electron microscopical studies] Salzmann G.
Strahlentherapie 145:334-45, Mar 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Neurosecretory flow in the perioesophageal tract of Jonespeltis splendidus (diplopoda, myriapoda). Nair VS. Experientia 29:207-8, 15 Feb 73
Correlation of gamete shedding with presence of neurosecretory granules in asteroids (Echinodermata). Atwood DG.
Gen Comp Endocrinol 20:347-50, Apr 73
[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)
[The nervous system structure of turbellaria] Krichinskaia EB.
Arkh Anat Gistol Embriol 63:99-110, Sep 72 (Eng. Abstr.) (Rus)

PINEAL BODY

Inactivation of pineal antigonadotrophin by proteolytic enzymes. Matthews MJ, et al.
J Endocrinol 56:339-40, Feb 73
[Obsolete and hypothetical notions in pituitary gland nosography] Vogt JH.
Tidsskr Nor Laegeforen 92:2208-14, 20 Nov 72 (Eng. Abstr.) (Nor)

ANALYSIS

Diurnal variations in pineal glycogen content during the estrous cycle in female mice. Kachi T, et al.
Arch Histol Jap 35:153-9, Jan 73
[Fluorescence and electron microscopic studies of the pineal body in various species of birds] Ueck M.
Z Zellforsch Mikrosk Anat 137:37-62, 9 Feb 73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

The fine structure of the pineal gland in the pocket gopher, Geomys bursarius. Sheridan MN, et al.
Am J Anat 136:363-81, Mar 73

CYTOLOGY

Cytological aspects of pineal development in rats and hamsters. Clabough JW. Am J Anat 137:215-29, Jun 73
The fine structure of the pineal gland in the pocket gopher, Geomys bursarius. Sheridan MN, et al.
Am J Anat 136:363-81, Mar 73
Diurnal variations in pineal glycogen content during the estrous cycle in female mice. Kachi T, et al.
Arch Histol Jap 35:153-9, Jan 73
New aspects on reaction mechanisms in the formaldehyde histofluorescence method for monoamines. Björklund A, et al.
J Histochem Cytochem 21:17-25, Jan 73
Morphological evidence of a connection between the core of granulated vesicles and their membrane. Pellegrino de Iraldi A, et al. Neurobiology 2:8-11, 1972
[Fluorescence and electron microscopic studies of the pineal body in various species of birds] Ueck M.
Z Zellforsch Mikrosk Anat 137:37-62, 9 Feb 73 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effects of testosterone upon the biosynthesis of melatonin by the pineal gland. Houssay AB, et al.
Acta Physiol Lat Am 22:274-5, 1972
Stimulation of 32 P i incorporation into phosphatidylinositol and phosphatidylglycerol by catecholamines and -adrenergic receptor blocking agents in rat pineal organ cultures. Eichberg J, et al.
J Biol Chem 248:3615-22, 25 May 73
Alteration of sexual behavior and sex accessory glands by p-chlorophenylalanine and testosterone. Gawienowski AM, et al. Life Sci [I] 12:307-15, 1 Apr 73

EMBRYOLOGY

Cytological aspects of pineal development in rats and hamsters. Clabough JW. Am J Anat 137:215-29, Jun 73
Morphological evidence of a connection between the core of granulated vesicles and their membrane. Pellegrino de Iraldi A, et al. Neurobiology 2:8-11, 1972

ENZYMOLOGY

Effects of testosterone upon the biosynthesis of melatonin by the pineal gland. Houssay AB, et al.
Acta Physiol Lat Am 22:274-5, 1972
Retinal and pineal hydroxyindole-O-methyl transferases in the rat: changes following cervical sympathectomy, pinealectomy or blinding. Nagle CA, et al. Endocrinology 92:1560-4, May 73
Histochemical correlates of changes in the primate

brain associated with varying environmental light conditions. Manocha SL, et al. **Histochemie 34:217-25, 1973**

The effects of metoprirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions. Parvez H, et al. **J Neurochem 20:1011-20, Apr 73**

The inhibition of pineal hydroxyindole-O-methyltransferase by haloperidol and flupbenazine. Hartley R, et al. **J Pharm Pharmacol 24:Suppl:100P-103, Dec 72**

Inhibitors of hydroxyindole-O-methyltransferase: indolealkylpiperazines. Ho BT, et al. **J Pharm Sci 62:508-9, Mar 73**

Sex-dependent increase in pineal hydroxyindole-O-methyl transferase activity after a single intraventricular injection of 6-hydroxydopamine to newborn rats. Hyyppä MT, et al. **Neuroendocrinology 11:274-83, 1973**

INNERVATION

On the innervation of the human fetal pineal gland. Moligaard K, et al. **Brain Res 52:428-32, 30 Mar 73**

METABOLISM

Effects of testosterone upon the biosyntbesis of melatonin by the pineal gland. Houssay AB, et al. **Acta Physiol Lat Am 22:274-5, 1972**

Nobel Prize winner talks about noradrenaline, nerves and aging. Axelrod J. **Geriatrics 28:42 passim, Mar 73**

Stimulation of 32 P i incorporation into phosphatidylinositol and phosphatidylglycerol by catecholamines and -adrenergic receptor blocking agents in rat pineal organ cultures. Eichberg J, et al. **J Biol Chem 248:3615-22, 25 May 73**

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. **Life Sci [I] 12:23-32, 3 Jan 73**

Direct action of light on serotonin metabolism and RNA biosynthesis in duck pineal explants. Rosner J, et al. **Life Sci [II] 11:829-36, 8 Sep 72**

Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al. **Neuroendocrinology 11:92-100, 1973**

PATHOLOGY

Primary malignant melanoma of central nervous system. Pineal involvement in a patient with nevus of ota and multiple pigmented skin nevi. Enriquez R, et al. **Arch Pathol 95:392-5, Jun 73**

A case of anorexia. **Br Med J 2:158-63, 21 Apr 73**

[Cerebral teratomas in childbood] Karpenko A. **Cesk Patol 9:37-41, Feb 73 (Eng. Abstr.) (Cze)**

[Pathologoanatomic aspects of the general adaptation syndrome] Khmel'nitskiĭ OK, et al. **Arkh Patol 34:62-72, 1972 (148 ref.) (Eng. Abstr.) (Rus)**

PHYSIOLOGY

Seizures in rats induced by pinealectomy: influence of diazepam, chlordiazepoxide, dipbenylhydantoin and pineal substances. Reiter RJ, et al. **Arch Int Pharmacodyn Ther 202:219-30, Apr 73**

Retinal and pineal hydroxyindole-O-methyl transferases in the rat: changes following cervical sympathectomy, pinealectomy or blinding. Nagle CA, et al. **Endocrinology 92:1560-4, May 73**

Pinealectomy and brain myelination. Relkin R, et al. **Endocrinology 92:1426-8, May 73**

An early morning surge of prolactin in the male rat and its abolition by pinealectomy. Ronnekleiv OK, et al. **Endocrinology 92:1339-42, May 73**

Effect of ovariectomy and constant dark on the weight of reproductive and certain other organs in the female vole, Microtus montanus. Vaughan MK, et al. **J Reprod Fertil 32:9-14, Jan 73**

Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat. Redding TW, et al. **Neuroendocrinology 11:92-100, 1973**

Choice intake of saline and water in pinealectomized rats under diurnal or constant lighting conditions. Bliss DK, et al. **Physiol Behav 9:429-33, Sep 72**

Extraretinal photocontrol of reproductive responses of Leghorn hens to photoperiods of different length and spectrum. Harrison PC. **Poult Sci 51:2060-4, Nov 72**

[Effect of simultaneous thymectomy and pinealectomy in newborn rats] Lapin V. **Exp Pathol (Jena) 7:342-4, 1972 (Ger)**

RADIOGRAPHY

Effect of skull rotation on X-ray evidence of displaced midline structures. Rayport M, et al. **J Neurosurg 38:180-8, Feb 73**

SURGERY

Nature and the time course of seizures associated with surgical removal of the pineal gland from parathyroidectomized rats. Reiter RJ, et al. **Exp Neurol 38:386-97, Mar 73**

[Effect of simultaneous thymectomy and pinealectomy in newborn rats] Lapin V. **Exp Pathol (Jena) 7:342-4, 1972 (Ger)**

11. Disorders of the Amygdaloid Body

HYPOTHALAMUS

INJURIES

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. J Clin Invest 52:1099-107, May 73

Pulmonary surface activity alterations associated with pulmonary edema following preoptic hypothalamic lesions in rats. Park CD, et al. Proc Soc Exp Biol Med 142:1025-30, Mar 73

[Sodium loss of probable central origin after cranio-cerebral bullet injury] Lefebvre J, et al. Ann Endocrinol (Paris) 33:73-82, Jan-Feb 72 (Eng. Abstr.) (Fre)

PINEALOMA

DIAGNOSIS

A case of anorexia. Br Med J 2:158-63, 21 Apr 73

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW. J Neurosurg 38:453-60, Apr 73

Ventriculofiberscope: a new technique for endoscopic diagnosis and operation. Technical note. Fukushima T, et al. J Neurosurg 38:251-6, Feb 73

PATHOLOGY

A case of anorexia. Br Med J 2:158-63, 21 Apr 73

SURGERY

Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas. Conway LW. J Neurosurg 38:453-60, Apr 73

Ventriculofiberscope: a new technique for endoscopic diagnosis and operation. Technical note. Fukushima T, et al. J Neurosurg 38:251-6, Feb 73

NEUROENDOCRINOLOGY

III. *Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN RELEASING FACTOR

[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)

ANALYSIS

The effect of infantile stimulation upon hypothalamic CRF levels following adrenalectomy in the adult rat. Campbell PS, et al.
Proc Soc Exp Biol Med 142:781-3, Mar 73
An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH. Rivier C, et al.
Proc Soc Exp Biol Med 142:842-5, Mar 73

BLOOD

Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73
[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Hiroshige T, et al.
Neuroendocrinology 11:306-20, 1973

PHARMACODYNAMICS

Regional responses of the pituitary to corticotropin-releasing factor (CRF) and ammonium ions. Wei E, et al. **Endocrinology 92:710-5, Mar 73**

PHYSIOLOGY

Expectancy and the pituitary-adrenal system. Levine S, et al. **Ciba Found Symp 8:281-91, 1972**

SECRETION

[The hypothalamo--pituitary--adrenal axis] Solem JH.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Eng. Abstr.) (Nor)

MELATONIN

ANALYSIS

Retinal and pineal hydroxyindole-O-methyl transferases in the rat: changes following cervical sympathectomy, pinealectomy or blinding. Nagle CA, et al. **Endocrinology 92:1560-4, May 73**

BIOSYNTHESIS

Effects of testosterone upon the biosynthesis of melatonin by the pineal gland. Houssay AB, et al.
Acta Physiol Lat Am 22:274-5, 1972

METABOLISM

Pigment and kinesia. Carman JS. **Lancet 1:374, 17 Feb 73**

PHARMACODYNAMICS

Mitotic arrest by melatonin. Banerjee S, et al.
Exp Cell Res 78:314-8, Apr 73
L-DOPA: centrally mediated emission of seminal fluid in male rats. Friedman E, et al.
Life Sci [I] 11:435-40, 1 May 72

THERAPEUTIC USE

Seizures in rats induced by pinealectomy: influence of diazepam, chlordiazepoxide, diphenylhydantoin and pineal substances. Reiter RJ, et al.
Arch Int Pharmacodyn Ther 202:219-30, Apr 73

PITUITARY HORMONE RELEASING FACTORS

Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat. Ben-David M, et al.
Acta Endocrinol (Kbh) 72:654-62, Apr 73
Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al.
Biochem Biophys Res Commun 51:165-73, 5 Mar 73
[Atypical case of diabetes insipidus neurohormonalis combined with gigantism and pubertas tarda] Fanconi G.
Helv Paediatr Acta 28:13-7, Mar 73 (Eng. Abstr.) (Ger)
[Influence of estrogens on the release of LH] Schneider W, et al.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Eng. Abstr.) (Ger)
[Hypothalamic hormone: its historic milestone] Sakoda M. **Jap J Clin Med 31:227-32, Jan 73 (Jap)**
[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)
[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

ADMINISTRATION & DOSAGE

Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. **Endocrinology 92:921-30, Mar 73**
Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. **Endocrinology 92:1515-26, May 73**
Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. **J Endocrinol 57:187-8, Apr 73**
A pituitary function test with synthetic LH-releasing hormone. Keller PJ.
J Obstet Gynaecol Br Commonw 80:72-4, Jan 73

ANALYSIS

Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat. Sud SC. **Indian J Exp Biol 10:360-1, Sep 72**
Hypothalamic follicle-stimulating-hormone-releasing factor content in the female rat before and after puberty. Sud SC, et al.
Indian J Exp Biol 10:262-4, Jul 72
Radioimmunoassay of luteinizing hormone releasing hormone. Barker HM, et al. **Nature 242:527-8, 20 Apr 73**

ANTAGONISTS & INHIBITORS

Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors. Sandler M, et al. **Lancet 1:612, 17 Mar 73**

BLOOD

A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum. Nett TM, et al.
J Clin Endocrinol Metab 36:880-5, May 73
Radioimmunoassay of luteinizing hormone releasing

factor. Jeffcoate SL, et al.
J Endocrinol 57:189-90, Apr 73
Pituitary-hypothalamic dysfunction in generalized lipodystrophy. Mabry CC, et al.
J Pediatr 82:625-33, Apr 73
The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73
Radioimmunoassay of luteinizing hormone releasing hormone. Barker HM, et al. Nature 242:527-8, 20 Apr 73
Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone. Rippel RH, et al.
Proc Soc Exp Biol Med 143:55-8, May 73
[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

CHEMICAL SYNTHESIS

Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al.
Biochem Biophys Res Commun 51:165-73, 5 Mar 73
[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

A pituitary function test with synthetic LH-releasing hormone. Keller PJ.
J Obstet Gynaecol Br Commonw 80:72-4, Jan 73

ISOLATION & PURIFICATION

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

METABOLISM

The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73
Amino acids and polypeptides in neuronal function. Bloom FE.
Neurosci Res Program Bull 10:121-251, May 72 (435 ref.)
[Hypothalamic hormone: its historic milestone] Sakoda M. Jap J Clin Med 31:227-32, Jan 73 (Jap)

PHARMACODYNAMICS

Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2. Yanihara N, et al.
Biochem Biophys Res Commun 51:165-73, 5 Mar 73
LH and FSH releasing potency of the synthetic decapeptide p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Thomas K, et al.
Contraception 6:55-64, Jul 72
Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rats bearing pituitary grafts. Arimura A, et al.
Endocrinology 92:1507-14, May 73
Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats. Debeljuk L, et al. Endocrinology 92:921-30, Mar 73
Induction of luteinizing hormone (LH) release and ovulation in rats, hamsters, and rabbits by synthetic luteinizing hormone-releasing factor (LRF). Humphrey RR, et al. Endocrinology 92:1515-26, May 73
On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor. Wakabayashi K, et al.
Endocrinology 92:698-704, Mar 73
Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF. Yen SS, et al.
J Clin Endocrinol Metab 36:811-6, May 73
Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72
Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle. Cooper KJ, et al. J Endocrinol 57:187-8, Apr 73
Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Debeljuk L, et al.
Neuroendocrinology 11:130-6, 1973
Release of luteinizing hormone by oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease. Findlay JK, et al.
Neuroendocrinology 11:57-66, 1973
The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al.
Proc Soc Exp Biol Med 143:260-4, May 73
Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72
[Effects of a synthetic luteotropin releasing hormone (LH-RH) on FSH and LH blood levels. Preliminary in normal subjects (children and adults) and in pathology] Job JC, et al.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Eng. Abstr.) (Fre)
[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

PHYSIOLOGY

Blood flow changes in the pituitary neural lobe of the rabbit associated with neurohypophysial hormone-releasing stimuli. Sooriyamoorthy T, et al.
J Endocrinol 57:75-85, Apr 73
The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland. Moguilevsky JA, et al.
Proc Soc Exp Biol Med 143:260-4, May 73
Relationship between sleep and growth in patients with reversible somatotropin deficiency (psychosocial dwarfism). Wolff G, et al. Psychol Med 5:18-27, Feb 73
[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

SECRETION

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)
[General adaptation syndrome in the young animal] Hartmann H, et al.
Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) (Eng. Abstr.) (Ger)
[Spectrophotometric determination of neurosecretory substances concentration in the posterior pituitary gland] Vashchenko OA, et al.
Fiziol Zh 18:632-5, Sep-Oct 72 (Eng. Abstr.) (Ukr)

THERAPEUTIC USE

Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats. Borvendég J, et al. J Endocrinol 55:207-8, Oct 72
Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973

URINE

Radioimmunoassay of luteinizing hormone releasing factor. Jeffcoate SL, et al.
J Endocrinol 57:189-90, Apr 73
The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats. Redding TW, et al. Life Sci [I] 12:23-32, 3 Jan 73

THYROTROPIN RELEASING FACTOR

[Use of TRF in the study of pituitary reserve of TSH] Cantalamessa L, et al.

Folia Endocrinol (Roma) 26:57-70, Feb 73 (Eng. Abstr.) (Ita)
[Chemistry of the "releasing" hormones. History and latest developments] Boler J.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Eng. Abstr.) (Nor)

ADMINISTRATION & DOSAGE

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. Biochem Biophys Res Commun 51:512-21, 2 Apr 73
Effect of thyrotropin releasing hormone on yield and composition of bovine milk. Convey EM, et al. J Dairy Sci 56:484-6, Apr 73
Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73

ANALYSIS

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. J Clin Invest 52:1099-107, May 73

ANTAGONISTS & INHIBITORS

Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

BLOOD

[Dwarfism due to deficiency of "thyrotropin-releasing-hormone" (TRH) and "growth-hormone-releasing-factor" (GRF)] Morgner KD, et al.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Effect of synthetic thyrotrophin releasing hormone (TRH) in man. Patel YC, et al.
Aust NZ J Med 2:366-75, Nov 72
Regression of the Forbes-Albright syndrome after pituitary apoplexy. McLaren EH, et al.
Br Med J 2:214-5, 28 Apr 73
Partial target organ resistance to thyroid hormone. Bode HH, et al. J Clin Invest 52:776-82, Apr 73
Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. J Clin Invest 52:1099-107, May 73
Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders. Tolis G, et al. J Clin Invest 52:783-8, Apr 73
Pituitary-thyroid axis in Himalayan endemic goitre. Kochupillai N, et al. Lancet 1:1021-4, 12 May 73
Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones. Lamberg BA. Lancet 808:855-7, 21 Apr 73
[Extended 131 I diagnosis of disorders in the thyroid control circuit by loading with TRH] Pfannenstiel P, et al.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Eng. Abstr.) (Ger)

METABOLISM

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Wilber JF, et al. Endocrinology 92:888-93, Mar 73
Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Porter BA, et al. Pediatrics 51:668-74, Apr 73

PHARMACODYNAMICS

Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders. Karlberg BE, et al.
Acta Endocrinol (Kbh) 72:697-713, Apr 73
Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Brown MR, et al.
Endocrinology 92:1305-11, May 73
Effect of thyrotropin releasing hormone on yield and composition of bovine milk. Convey EM, et al. J Dairy Sci 56:484-6, Apr 73
Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. Tal E, et al. J Endocrinol 57:181-2, Apr 73
Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors. Sandler M, et al. Lancet 1:612, 17 Mar 73
Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development. Mitskevich MS, et al. Sov J Dev Biol 3:305-12, Jul-Aug 72
[TSH and the hypothalamus--hypophysis--thyroid interaction] Haug E.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Eng. Abstr.) (Nor)

PHYSIOLOGY

Further evidence that TRH is also a physiological regulator of PRL secretion in man. Bowers CY, et al. Biochem Biophys Res Commun 51:512-21, 2 Apr 73
Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro. Schreiber V. Rev Czech Med 19:3-14, 1973

SECRETION

Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. Singer PA, et al. J Clin Invest 52:1099-107, May 73

THERAPEUTIC USE

Amine uptake and thyrotropin-releasing hormone. Tuomisto J, et al. Lancet 1:836, 14 Apr 73

The following citations were taken from the January through June, 1973 issues of the Bulletins of the UCLA Brain Information Service, which is part of the NINDS Neurological Information Network. Citations which appear elsewhere in the Endocrinology Index, or are not closely related to endocrinology have been deleted.

Memo of Current Books in the Brain Sciences

(1) New Books in the UCLA Biomedical Library:

6TH ANNUAL WINTER CONFERENCE ON BRAIN RESEARCH, Proceedings of the Conference at Vail, Colorado, January, 1973. Brain Information Service, UCLA, Los Angeles, Calif., 1973. 77 pp.

CONTEMPORARY SEXUAL BEHAVIOR: CRITICAL ISSUES IN THE 1970s, ed. by Joseph Zubin and John Money. Baltimore, Johns Hopkins University Press, 1973. 468 pp.

(DIENCEPHALON AND AUTONOMIC NERVOUS SYSTEM), by A.F. Makarchenko and A.D. Dinaberg. Kiev, Naukova Dumka, 1971. 322 pp. 1971. (Russian)

ENDOCRINOLOGY 1971; Proceedings of the Third International Symposium, London, 19-22 July 1971. London Heinemann, 1972. 509 pp. 1972.

FRONTIERS IN NEUROENDOCRINOLOGY, 1973, ed. by William F. Ganong and Luciano Martini. New York, Oxford University Press, 1973. 438 pp. 1973.

GONADOTROPINS, ed. by Brij B. Saxena, Carl G. Beling, and Hortense M. Gandy. New York, Wiley-Interscience, 1972. 799 pp. 1972.

HORMONE AND ANTAGONISTS. Part I and II, ed. by P.O. Hubinont, S.M. Hendeles and P. Preumont. (Proceedings of the Fourth International Seminar on Reproductive Physiology and Sexual Endocrinology, Brussels, May 23-25, 1972). Basel, S. Karger, 1972. 323 pp.

HORMONES AND BEHAVIOR, ed. by Seymour Levine. New York, Academic Press, 1972. 363 pp. 1972.

HORMONES IN REPRODUCTION, ed. by C.R. Austin and R.V. Short. Book 3 of the series "Reproduction in Mammals." Cambridge, University Press, 1972. 148 pp. 1972.

HUMAN DEVELOPMENT AND THE THYROID GLAND: Relation to Endemic Cretinism. Proceedings of a Symposium on Endemic Cretinism held at the Kroc Foundation, Santa Ynez Valley, California. Ed. by J.B. Stanbury and R.L. Kroc. (Advances in Experimental Medicine and Biology, Volume 30) New York, Plenum Press, 1972. 518 pp. v.30 1972.

HUMAN REPRODUCTIVE PHYSIOLOGY, ed. by Rodney P. Shearman. Oxford, England, Blackwell Scientific Publications, 1972. 792 pp. 1972.

INTERNATIONAL CONFERENCE ON PROSTAGLANDINS, Vienna, September 25-28, 1972, ed. by S. Bergström and S. Bernhard. (Advances in the Biosciences 9) New York, Pergamon Press, 1973. 887 pp.

LA PHOTOREGULATION DE LA REPRODUCTION CHEZ LES OISEAUX ET LES MAMMIFERES. (THE PHOTOREGULATION OF REPRODUCTION IN BIRDS AND MAMMALS), ed. by Jacques Benoit and Ivan Assenmacher. Paris, Centre National de la Recherche Scientifique, 1970. 588 pp. 1970. In French and English.

LA SPECIFICITE, ZOOLOGIQUE DES HORMONES HYPOPHYSAIRES ET DE LEURS ACTIVITES. (THE ZOOLOGIC SPECIFICITY OF HYPOPHYSEAL HORMONES AND THEIR ACTIVITIES), Paris, July 16-20, 1968. Ed. by M. Fontaine. Paris, National Center of Scientific Research, 1969. 412 pp. 1969.

MAN & WOMAN, BOY & GIRL: The Differentiation and Dimorphism of Gender from Conception to Maturity, by John Money and Anke A. Ehrhardt. Baltimore, Johns Hopkins University Press, 1972. 311 pp.

NERVE GROWTH FACTOR AND ITS ANTISERUM, ed. by Eleanor Zaimis and Julie Knight. London, Athlone Press, 1972. 273 pp. 1972.

PHARMACOLOGY OF THE ENDOCRINE SYSTEM AND RELATED DRUGS: PROGESTERONE, PROGESTATIONAL DRUGS AND ANTIFERTILITY AGENTS, Vol. 1. (International Encyclopedia of Pharmacology and Therapeutics, Section 48.) Section editor: M. Trausk. New York, Pergamon, 1971. 517+ pp. 1971 v.1. ca. $30.00.

THE PROSTAGLANDINS: Clinical Applications in Human Reproduction, ed. by Edward M. Southern. (Formal papers and selected edited discussion drawn from the Brook Lodge Symposium, Augusta, Michigan, sponsored by the Upjohn Company.) 545 pp. 1972.

THE REGULATION OF MAMMALIAN REPRODUCTION, ed. by Sheldon J. Segal, Ruth Crozier, Philip A. Corfman, and Peter G. Condliffe. Springfield, Ill., C.C. Thomas, 1973. (Fogarty International Center Proceedings, no. 8. 586 pp. 1973.

REGULATION OF ORGAN AND TISSUE GROWTH, ed. by Richard J. Goss. New York, Academic Press, 1972. 365 pp. 1972.

RESULTS IN NEUROANATOMY, NEUROENDOCRINOLOGY, NEUROPHYSIOLOGY AND BEHAVIOUR NEUROPATHOLOGY, ed. by K. Lissák. (Recent developments of Neurobiology in Hungary, Vol. IV). Budapest, Akadémiai Kiadó, 1973. 265 pp. v.4 1973.

A STEREOTAXIC ATLAS OF THE DIENCEPHALON AND RELATED STRUCTURES OF THE MOUSE, by Donald G. Montemurro and Robert H. Dukelow. Mt. Kisco, NY, Futura, 1972. 41 pp. 1972.

STEROIDS IN NONMAMMALIAN VERTEBRATES, ed. by David R. Idler. New York, Academic, 1972. 504 pp. 1972.

ULTRASTRUCTURE OF RAT ADENOHYPOPHYSIS; Correlation with Function, by Allen Costoff. New York, Academic Press, 1973. 220 pp. 1973.

(2) New Journals

ANIMAL LEARNING & BEHAVIOR; A Journal of the Psychonomic Society, Vol. 1, No. 1, February 1973. Quarterly. Austin, Tex., Psychonomic Society, 1973. Subscriptions: $12.50 a year for institutions, $6.25 for individuals. (Order from: The Psychonomic Society, 1018 West 34th St., Austin, Texas 78705)

ADVANCES IN PSYCHOBIOLOGY, Volume 1. Ed. by Grant Newton and Austin H. Riesen. New York, Wiley-Interscience, 1972. v.1. 1972.

THE BULLETIN OF THE PSYCHONOMIC SOCIETY, Vol. 1, Numbers 1A and B, January 1973. Monthly. Austin, Tex., Psychonomic Society, 1973. Subscriptions: $25 per year for institutions, $12.50 per year for individuals. (Order from: The Psychonomic Society, 1018 West 34th St., Austin, Texas 78705)

JOURNAL OF PHARMACOKINETICS AND BIOPHARMACEUTICS, ed. by Sidney Rigelman, Leslie Z. Benet and Malcolm Rowland. New York, Plenum. Vol. 1, No. 1, 1973. Bimonthly. Subscription rate: (6 issues) $32.00.

PHYSIOLOGICAL PSYCHOLOGY, A Journal of the Psychonomic Society, Vol. 1, No. 1, March 1973. Quarterly. Austin, Tex., Psychonomic Society, 1973. Subscriptions: $12.50 a year for institutions, $6.25 a year for individuals. (Order from: Publications Office, the Psychonomic Society, 1018 West 34th Street, Austin, Texas 78705)

PROGRESS IN NEUROBIOLOGY, ed. by G.A. Kerkut and J.W. Phillis. Oxford, Pergamon, 1973.

BIOGENIC AMINES AND TRANSMITTERS IN THE NERVOUS SYSTEM

(1) Books and Reviews

Balaza R, Cremer JE, eds. (Medical Research Council Neuropsychiatry and Technology Units. Carshalton, Surrey, England) Metabolic Compartmentation in the Brain. New York, Wiley. pp. 1-383, 1972.

Cools AR. The Caudate Nucleus and Neurochemical Control of Behavior--The Function of Dopamine and Serotonin in the Caput Nuclei Caudati of Cats. Nijmegen, The Netherlands, Drukkerij Brakkenstein. pp. 1-149, 1973.

Eccleston D (M.R.C. Brain Metabolism Unit, Dept. Pharmacology, Univ. Edinburgh 1, George Square, Edinburgh EH8 9JZ, U.K.). Biogenic amines and the affective disorders. In: Advances in Neuropsychopharmacology; Proceedings of the Symposia held at the VII Congress of Collegium Internationale Neuro-Psychopharmacologicum, Prague, August 11-15, 1970, ed. by O. Vinar, Z. Votava, and P.B. Bradley. Amsterdam, North-Holland Publishing Co. pp. 79-89, 1971.

Meyers RD, ed. (Lab. Neuropsychology, Purdue Univ., Lafayette, IN). Methods in Psychobiology. Specialized Laboratory Techniques in Neuropsychology and Neurobiology. London, Academic Press. Methods Psychobiol 2:1-398, 1972.

Naumenko EV. (Central Control of the Pituitary-Adrenal Complex) Leningrad, Nauka. pp. 1-172, 1971 (Rus) (English summary.)

Robison GA, Butcher RW, Sutherland EW (Dept. Pharmacology, Vanderbilt Univ. School Medicine, Nashville, TN) The catecholamines. In: Biochemical Actions of Hormones, Vol. II, ed. by G. Litwack. New York, Academic Press. pp. 81-111, 1972.

(2) Methods

(3) Localization

(4) Amine Metabolism/Biochemical Studies

Bulygin IA (Inst. Fiziol., Akad. Navuk BSSR, Minsk, USSR). (Adrenergic and cholinergic mechanism of the regulation of noradrenaline content in the brain) Vestsi Akad Navuk BSSR (Biial) 6:105-109, 1972 (Rus)

Diliberto EJ Jr. Conversion of dopamine to norepinephrine by adrenal medullary granules and dopamine-beta-hydroxylase. Ph.D. thesis, Univ. Rochester. pp. 1-206, 1972 (Abstract in Dissertation Abst Int (B) 33(5):2244, 1972. Order from University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-29, 394.)

Frazer A, Stinnett JL. (Dept. Pharmacology, Univ. Pennsylvania School Medicine, Philadelphia, PA) Distribution and metabolism of norepinephrine and serotonin in the central nervous system. In: Biological Psychiatry, ed. by J. Mendels. New York, Wiley. pp. 35-64, 1973 (Review article.)

Rodriguez de Lores Arnaiz G, De Robertis E (Instit. Anatomia General y Embriologia, Facultad de Medicina-Universidad de Buenos Aires, Buenos Aires, Argentina). Properties of the isolated nerve endings. Curr Top Memb Transp 3:237-272, 1972.

Sigg EB, Keim KL, Horst WD (Research Div., Hoffmann-LaRoche Inc., Nutley, NJ 07110). L-DOPA induced changes of brain amines and central sympathetic activity in cats. In: Chemical Modulation of Brain Function, ed. by H.C. Sabelli. New York, Raven Press. pp. 15-32, 1973.

(5) Structural-Activity Relationships

Walker RJ, Woodruff GN (Dept. Physiology & Biochemistry, Univ. Southampton, Southampton SO9 5NH, England). The effect of bufotenine, melatonin, psilocybin, and related compounds on the 5-hydroxytryptamine excitatory receptors of Helix aspersa neurons. Comp Gen Pharmacol 3(9):27-40, 1972.

(6) Effects on Physiological Processes

Asano Y, Morozi T (Dept. Psychiatry & Neurology, Hokkaido Univ. School Medicine, Sapporo, Japan). The maturation of the circadian rhythm of brain norepinephrine and serotonin in the rat brain) Brain Nerve (Tokyo) 24(11):1445-1451, 1972 (Jap) (English Summary)

Harri MNE (Zoophysiological Lab., Dept. Zoology, Univ. Turku, 20500 Turku 50, Finland). Effect of season and temperature acclimation on the 5-hydroxytryptamine level and utilization in the brain and intestine of the frog, Rana temporaria. Comp Gen Pharmacol 3(9):11-18, 1972.

Harri MNE (Zoophysiological Lab., Dept. Zoology, Univ. Turku, 20500 Turku 50, Finland). Effect of season and temperature acclimation on the tissue catecholamine level and utilization in the frog, Rana temporaria. Comp Gen Pharmacol 3(9):101-112, 1972.

Hellon R (National Inst. Mental Research, London NW7 1AA, England). Central transmitters and thermoregulation. In: Essays on Temperature Regulation, ed. by J. Bligh and R.E. Moore. Amsterdam, North-Holland. pp. 71-85, 1972. Review. (34 references)

Hill HF (Texas Research Inst. Mental Sciences, Houston, TX 77025) Effect of 6-hydroxydopamine in brain catecholamines and D-amphetamine hyperthermia in the rabbit. In: The Pharmacology of Thermoregulation, ed. by E. Schönbaum and P. Lomax. New York, Karger. (Abstract only.)

Jacob J, Peidaries R (Lab. Pharmacology, Inst. Pasteur, 25, Rue Docteur Roux, F-75 Paris 15e, France). Central effects of monoamines on the temperature of the conscious rabbit. In: The Pharmacology of Thermoregulation, ed. by E. Schönbaum and P. Lomax. New York, Karger. pp. 202-216, 1973.

Jell RM (Dept. Physiology, Univ. Manitoba Medical School, Winnipeg, R3E OW3, Manitoba, Canada). Responses of thermosensitive rostral hypothalami neurons to microelectrophoretic application of acetylcholine, norepinephrine and 5-hydroxytryptamine. In: The Pharmacology of Thermoregulation, ed. by E. Schönbaum and P. Lomax. New York, Karger. pp. 484-487, 1973. (Abstract only.)

Zeisberger E, Brück K (Inst. Physiology, Justus Liebig Univ., Friedrichst. 24, D-6300 Giessen, Germany). Effects of intrahypothalamically injected noradrenergic and choline agents on the thermoregulatory responses. In: The Pharmacology of Thermoregulation, ed. by E. Schönbaum and P. Lomax. New York, Karger. pp. 232-243, 1973

(7) Biochemical Effects on Other Systems

Berti F, Trabucchi M, Bernareggi V, Femagalli R (Dept. Pharmacology, School Medicine, Univ. Milan, 20129 Milan, Italy). The effects of prostaglandins on cyclic-AMP formation in cerebral cortex of different mammalian species. Pharmacol Res Commun 4(3):253-259, 1972.

Harri MNE, Lindgren E (Zoophysiological Lab., Dept. Zoology, Univ. Turku, 20500 Turku 50, Finland). Adrenergic control of carbohydrate metabolism in the frog, Rana temporaria. Comp Gen Pharmacol 3(10):226-234, 1972.

Kaack B (Division Research, Woodville State Hospital, Carnegie, PA 15106). Influence of acetylcholine and adrenaline on ATPase activity. Comp Gen Pharmacol 3(11):296-298, 1972.

(8) Transmitter Functions

Boadle-Biber MC, Roth RH (Dept. Pharmacology, Yale Univ. School Medicine, 333 Cedar St., New Haven, CT 06510). Factors modifying the synthesis of dopamine from tyrosine in pedal ganglia of Mercenaria mercenaria (mollusca). Comp Gen Pharmacol 3(9):52-60, 1972.

Krivoy W, Zimmerman E (NIMH, Addiction Research Center, Lexington, KY 40507). A possible role of polypeptides in synaptic transmission. In: Chemical Modulation of Brain Function. ed. by H.C. Sabelli. New York, Raven Press. pp. 111-121, 1973.

(9) Electrophysiology

Frederickson RCA, Jordan LM, Phillis JW (The Lilly Research Lab., Eli Lilly & Co., Indianapolis, IN 46206). A reappraisal of the actions of noradrenaline and 5-hydroxytryptamine on cerebral cortical neurons. Comp Gen Pharmacol 3(12):443-456, 1972.

Kostowski W, Wysokowski J, Mészáros J, (Warszawa, Krakowskie Przedmiescie 26/28, Poland). The action of some indole analogues on brain 5-hydroxytryptamine concentration and EEG of ants Formica rufa. Diss Pharm Pharmacol 24(6):549-553, 1972.

Pukhova GS, Matlina ES (Lab. for Problems of Control of Functions in the Organism of Man and Animals, Academy Sciences USSR, Moscow, USSR). Effects of dopa and tirozine on catecholamine exchange during electrical stimulation of the N. ischiadicus in rats) Fisiol Zh SSSR 58(11): 1731-1736, 1972 (Rus).

(10) Interaction of Biogenic Amines, Behavior, Stress and Environment

Ahlenius S, Engel J, Ericksson H, Modigh K, Södersten P (Dept. Pharmacology and Psychology, Univ. Göteborg, Göteborg, Sweden). Importance of central catecholamines in the mediation of lordosis behaviour in ovariectomized rats treated with estrogen and inhibitors of monoamine synthesis. J Neural Transm 33(4):247-255, 1972.

Barchas JD, Ciaranello RD, Stolk JM, Brodie KH, Hamburg DA (Dept. Psychiatry, Stanford Univ. School Medicine, Stanford, CA). Biogenic amines and behavior. In: Hormones and Behavior, ed. by S. Levine. New York, Academic Press. pp. 235-239, 1972.

Bresler DE. Monoamines and affect: a study of emotional behavior in rats selectively depleted of catecholamines, serotonin, or both. Ph.D. thesis, Univ. California, Los Angeles. pp. 1-166, 1972. (Abstract in Diss Abst Int (b) 33(8):3972B-3973B, 1973. Order from Xerox Univ. Microfilms, Ann Arbor, MI 48106, order no. 73-1685.)

Geyer MA. Dissociation of some behavioral effects of intraventricular dopamine and norepinephrine. Ph.D. thesis, Univ. California, San Diego. pp. 1-76, 1972. (Abstract in Dissertation Abst Int (B) 33(11):5539, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-10, 341.)

Hartmann E (Sleep and Dream Lab., Tufts Univ. School Medicine, Boston State Hospital, Boston, MA 02124). Effects on sleep patterns of altering brain catecholamine levels. In: The Nature of Sleep, ed. by U.J. Jovanovic. Stuttgart, Fischer. pp. 282-285, 1973.

Holloway JAB. Release of norepinephrine and serotonin from the amygdala during rewarding median forebrain bundle stimulation. Ph.D. thesis, Univ. Oklahoma. pp. 1-128, 1972. (Abstract in Dissertation Abst Int (B) 33(5):1958, 1972. Order from University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-29,890.)

Laborit H (Hôpital Boucicaut, 78, rue de la Convention, 75 Paris 15, France). (The general biological bases of wakefulness, attention, consciousness and sleep) Bases biologiques generales de l'eveil, de l'attention, de la conscience et du sommeil. Psychol Medicale 4(3): 1-35, 1972 (Fre) A review.

Leibowitz SF (Rockefeller Univ., New York, NY). Hypothalamic alpha-adrenergic suppression of drinking: effects on several types of thirst. Proc Am Psychol Assoc 7(Pt 2):845-846, 1972.

Margules DL, Margules AS (Dept. Psychology, Temple Univ., Philadelphia, PA). The development of operant responses by noradrenergic activation and cholinergic suppression of movements. In: Efferent Organization and the Integration of Behavior, ed. by J.D. Maser. New York, Academic Press. pp. 202-228, 1973.

Weissman A, Harbert CA (Pfizer Inc., Groton, CT 06340). Recent developments relating serotonin and behavior. Annu Rep Med Chem 7:47:58, 1972. (Review article. 58 references)

Zitrin A, Dement WC, Barchas JD (New York Univ. Medical Center, New York, NY). Brain serotonin and male sexual behavior. In: Contemporary Sexual Behavior: Critical Issues in the 1970's, ed. by J. Zubin and

J. Money. Baltimore, Johns Hopkins University Press. pp. 321-338, 1973. Survey of preliminary studies of the effects on sexual behavior in male mammals of brain serotonin depletion by pCPA.

(11) Chemical and Drug Effects

Ahlenius S, Engel J, Eriksson H, Södersten P (Dept. Pharmacology, Fack, S-400 33 Göteborg 33, Sweden). Effects of tetrabenazine on lordosis behaviour and on brain monoamines in the female rat. J Neural Transm 33(2):155-162, 1972.

Bartholini G, Keller H, Pieri L, Pletscher A (Research Dept., F. Hoffmann-La Roche & Co. Ltd., Basel, Switzerland). The effect of diazepam on the turnover of cerebral dopamine. In: The Benzodiazepines, ed. by S. Garattini, pp. 235-240, 1973.

Calcutt CR, Handley SL, Sparkes CG, Spencer PSJ (Pharmacology Labs., Dept. Pharmacy, Univ. Aston, Birmingham, England). Roles of noradrenaline and 5-hydroxytryptamine in the antinociceptive effects of morphine. In: Agonists and Actions of Narcotic Analgesic Drugs, ed. by H.W. Kosterlitz, H.O.J. Collier and J.E. Villareal. Baltimore, University Park. pp. 176-191, 1973.

Du Pan RM (Clinical and metabolic study of the effects of moxegor, serotonin antagonist). Etude clinique et métabolique de l'effet d'un orexigene antagoniste de la serotonine: le mosegor. Helv Paediatr Acta Suppl (30):28-29, 1973 (Fre) (Abstract only.)

Koga T (Dept. Pharmacology, Faculty Medicine, Kyushu Univ., Fukuoka, Japan). (Serotonin content in the brain of PCB-treated rats) Fukuoka Acta Med 63(10):382-383, 1972. (English summary.)

Lesnik L (Zaklad Fizjologii, Akademia Medyczna, Lodz 1, ul. Lindleya 3, Poland). Release of vasopressin from infundibular axons in rats under the action of drugs changing conduction of impulses in adrenergic and cholinergic synapses. Ann Med Sec Pol Acad Sci 17(3-4):269-273, 1972.

Lidbrink P, Corrodi H, Fuxe K, Olson L (Dept. Histology, Karolinska Inst., Stockholm, Sweden). The effects of benzodiazepines, meprobamate, and barbiturates on central monoamine neurons. In: The Benzodiazepines, ed. by S. Garattini, E. Mussini and L.O. Randall. New York, Raven Press. pp. 203-223, 1973.

Smith, CB, Sheldon MI (Dept. Pharmacology, Univ. Michigan Medical School, Ann Arbor, MI). Effects of narcotic analgesic drugs on brain noradrenergic mechanism. In: Agonists and Antagonist Actions of Narcotic Analgesic Drugs, ed. by H.W. Kosterlitz, H.O.J. Collier and J.E. Villareal. Baltimore, University Park. pp. 164-175, 1973.

Spano PF, Przegalinski E (Inst. Pharmacology & Pharmacognosy, Univ. Milan, 20129 Milan, Italy). Stimulation of serotonin synthesis by anesthetic and non-anesthetic doses of gamma-hydroxybutyrate. Pharmacol Res Commun 5(1):55-69, 1973.

Stein L, Wise CD, Berger BD (Wyeth Labs., Philadelphia PA) Antianxiety actions of benzodiazepines: decrease in activity of serotonin neurons in the punishment system. In: The Benzodiazepines, ed. by S. Garattini, E. Mussini and L.O. Randall. New York, Raven Press. pp. 299-326, 1973.

Taylor WA Effects of amphetamine and its hydroxylated metabolites on central noradrenergic mechanisms. Ph.D. thesis, Vanderbilt Univ. pp. 1-171, 1972. (Abstract in Diss Abst Int (B) 33(8):3840B-3841B, 1973. Order from Xerox Univ. Microfilms, Ann Arbor, MI 48106, order no. 73-1632.)

(12) Interaction with Hormones

Conner RL (Dept. Psychology, Bowling Green State Univ., Bowling Green, OH). Hormone, biogenic amines, and agression. In: Hormones and Behavior, ed. by S. Levine. New York, Academic Press. pp. 209-233, 1972.

Laron Z, Josefsberg Z, Doron M (Paediatric Metabolic and Endocrine Service, Tel Aviv Univ. Medical School, Tel Aviv, Israel). Effect of L-dopa on the secretion of plasma growth hormone in children and adolescents. Clin Endocrinol (Oxford) 2(1):1-7, 1973.

Lu KH Effects of biogenic monamines, ergot drugs, estrogen and synthetic thyrotropin-releasing hormone on pituitary prolactin release. Ph.D. thesis, Michigan State Univ. pp. 1-245, 1972. Abstract in Dissertation Abst Int (B) 33(11):5476-5477, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-12,768.

McCann SM, Kalra PS, Kalra SP, Donoso AO, Bishop W, Schneider HPG, Fawcett CP, Krulich L (Dept. Physiology, Univ. Texas Southwestern Medical School, Dallas, Texas). The role of monoamines in the control of gonadotropin and prolactin secretion. In: Gonadotropins, ed. by B.B. Saxena, C.G. Beling and H.M. Gandy. New York, Wiley-Interscience. pp. 49-60, 1972. Review article. (44 references)

Meites J, Clemens JA (Dept. Physiology, Michigan State Univ., East Lansing, MI). Hypothalamic control of prolactin secretion. In: Vitamins and Hormones; Advances in Research and Application, Vol. 30, ed. by R.S. Harris, P.L. Munson, E. Diczfalusy, and J. Glover. New York, Academic Press. pp. 165-221, 1972.

Toivola PTK Hypothalamic monoaminergic mechanisms in the regulation of growth hormone secretion in baboons. Ph.D. thesis, Univ. Washington. pp. 1-168, 1972. Abstract in Dissertation Abst Int (B) 33(12ptl): 6054, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1765, Ann Arbor, MI 48106, order no. 73-13,893.

Van Loon GR (Dept. Medicine, Univ. Toronto, Toronto, Ontario, Canada). Brain catecholamines and ACTH secretion. In: Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford Univ. Press. pp. 209-247, 1973.

(13) Pathological States

Mendels J, Stinnett JL (Dept. Psychiatry, Depression Research Unit, Univ. Pennsylvania School Medicine, Philadelphia, PA). Biogenic amine metabolism, depression, and mania. In: Biological Psychiatry, ed. by J. Mendels. New York, Wiley. pp. 65-87, 1973.

(14) Invertebrate Neurotransmission

Juorio AV, Killick SW (Dept. Anatomy, Univ. College London, Gower St., London WC1E 6BT, England). Monoamines and their metabolism in some molluscs. Comp Gen Pharmacol 3(11):283-295, 1972.

Myers PR, Sweeney DC (Dept. Zoology, Univ. Illinois, Urbana, IL 61801) The determination of the catecholamines and their metabolites in the pedal ganglion of Quadrula pustulosa (mollusca, pelecypoda) Comp Gen Pharmacol 3(11):277-282, 1972.

Osborne NN, Szczepaniak AC, Neuhoff V (Max-Planck-Inst. experimentelle Medizin, Arbeitsgruppe Neurochemie, Hermann Rein Str. 3, 34 Gottingen, Germany). Amines and amino acids in identified neurons of Helix pomatia. Int J Neurosci 5(3):125-131, 1973.

Paparo A, Finch CE (Dept. Anatomy, Cornell Univ. Medical College, 1300 York Ave., New York, NY 10021). Catecholamine localization, content, and metabolism in the gill of two lamellibranch molluscs. Comp Gen Pharmacol 3(11):303-309, 1972.

NEUROENDOCRINE CONTROL MECHANISM: THE HYPOTHALAMIC-PITUITARY-GONADAL SYSTEM

(1) General Articles, Review, Books

(No author). Endocrines and Ageing. New York, MSS Information Corp. pp. 1-244, 1972.

(No author). (First Annual Meeting of Experimental Neuroendocrinology) Premier Colloque de Neuro-Endocrinologie Expérimentale, Lille - 3-5 Septembre 1972. pp. 1378-1426, 1972 (Fre)

(No author). Symposium on synchronization of estrous in farm animals. Jap J Anim Reprod 18(5):vii-xxxvii, 1972 (Jpn)

(No author). (The Zoological Specificity of the Hypophysial Hormones and Their Activities) La Spécificité Zoologique des Hormones Hypophysaires et de leurs Activités. Paris, Centre National de la Recherche Scientifique. pp. 1-406, 1969.

Abraham GE, Marshall JR, Daane TA (Harbor General Hospital, Torrance, CA). Disorders of ovulation. In: Pathophysiology of Gestation. Vol. I. Maternal Disorders, ed. by N.S. Assali. New York, Academic Press. pp. 1-61, 1972.

Anderson LL (Dept. Animal Science, Iowa State Univ. Science and Technology, Ames, IA). Uterus and control of ovarian function. In: Biology of Mammalian Fertilization and Implantation, ed. by K.S. Moghissi and E.S.E. Hafez. Springfield, Ill., Thomas. pp. 379-414, 1972. (Review.)

Andre J. (Metabolism and physiological action of estrogenic hormones) Metabolisme et action physiologiques des hormones oestrogéniques. J Med Montpellier 7(10):540-546, 1972 (Fre) (Review.)

Benoit J, Assenmacher I, eds. (Photoregulation of Reproduction in Birds and Mammals) La Photorégulation de la Reproduction chez les Oiseaux et les Mammifères. Paris, Centre National de la Recherche Scientifique. pp. 1-588, 1970.

Benson B, Orts RJ (Dept. Anatomy, Univ. Texas Medical Branch, Galveston, TX). Regulation of ovarian growth by the pineal gland. In: Regulation of Organ and Tissue Growth, ed. by R.J. Gross. New York, Academic Press. pp. 315-335, 1972. (Review.)

Burgus R (Salk Inst., La Jolla, CA). Peptide hormones of the hypothalamus and pituitary. Annu Rep Med Chem 7:194-207, 1972.

Charles D, Rankin JS (Dept. Obstetrics & Gynecology, Boston City Hospital and Boston Univ. School Medicine, Boston MA). Anovulation subsequent to steroidal antifertility agents. Probl Hum Reprod 1:303-325, 1973.

Collu R, Fraschini F (Dept. Pediatrics, Univ. Montreal, Montreal, Canada). The pineal gland - a neuroendocrine transducer. In: Advances in Metabolic Disorders, Vol. 6, ed. by R. Levine and R. Luft. New York, Academic Press. pp. 161-175, 1972.

Costoff A (Dept. Endocrinology, Medical College Georgia, Augusta, GA). Ultrastructure of Rat Adenohypophysis, Correlation with Function. New York, Academic Press. pp. 1-220, 1973.

Davies IJ, Ryan KJ (Dept. Obstetrics and Gynecology, Univ. California, San Diego, School Medicine, La Jolla, CA 92037). Comparative endocrinology of gestation. In: Vitamins and Hormones; Advances in Research and Application, Vol. 30, ed. by R.S. Harris, P.L. Munson, E. Diczfalusy, and J. Glover. New York, Academic Press. pp. 223-279, 1972. (Review.)

Dorfman RI (Syntex Research, Palo Alto, CA). Antifertilization agents --perspectives and mode of action. In: Biology of Mammalian Fertilization and Implantation, ed. by K.S. Moghissi and E.S.E. Hafez. Springfield, Ill., Thomas. pp. 279-295, 1972. (Review.)

Geschwind II (Dept. Animal Science, Univ. California, Davis, CA). The main lines of evolution of the pituitary hormones. In: La Spécificité Zoologique des Hormones Hypophysaires et de leurs Activités. Paris, Centre National de la Recherche Scientifique. pp. 385-400, 1969.

Haller J (Dept. Obstetrics and Gynecology, Univ. Göttingen, Göttingen, Germany). Hormonal Contraception. Los Altos, CA, Geron-X. pp. 1-314, 1972.

Harper MJK (Worcester Foundation for Experimental Medicine, Shrewsbury, MA). Agents with antifertility effects during preimplantation stages of pregnancy. In: Biology of Mammalian Fertilization and Implantation, ed. by K.S. Moghissi and E.S.E. Hafez. Springfield, Ill., Thomas. pp. 431-492, 1972. (Review.)

Horton EW (Dept. Pharmacology, Univ. Edinburgh, 1 George Square, Edinburgh EH8 9JZ, Scotland). Prostaglandins. Monogr Endocrinol 7:1-190, 1972.

Idler DR, ed. Steroids in Nonmammalian Vertebrates. New York, Academic Press. pp. 1-504, 1972.

Levitt MJ (Dept. Obstetrics & Gynecology, Univ. Pittsburgh School Medicine, Pittsburgh, PA). The chemistry of prostaglandins in relation to the female reproductive tract. Probl Hum Reprod 1:179-191, 1973.

Litwack G, ed. (Fels Research Inst., Temple Univ. School Medicine, Philadelphia, PA). Biochemical Actions of Hormones, Vol. II. New York, Academic Press. pp. 1-542, 1972.

McEwen BS, Zigmond RE, Gerlach JL (Rockefeller Univ., New York, NY). Sites of steroid binding and action in the brain. In: Structure and Function of Nervous Tissue, Vol. V, ed. by G.H. Bourne. New York, Academic Press. pp. 205-291, 1972.

Money J, Ehrhardt AA. Man & Woman, Boy & Girl. Baltimore, Johns Hopkins University Press. pp. 1-292, 1972.

Morrow DF, Gallo D (Mead Johnson Research Center, Evansville, IN). Steroids and biologically related compounds. Annu Rep Med Chem 7:182-193, 1972.

Sachar EJ (Dept. Psychiatry, Albert Einstein College Medicine, Bronx, NY). Endocrine factors in psychopathological states. In: Biological Psychiatry, ed. by J. Mendels. New York, Wiley. pp. 175-197, 1973.

Saxenda BB, Beling CG, Gandy HM, eds. (Dept. Medicine, New York Hospital and Cornell Univ. Medical College, NY). Gonadotropins. New York, Wiley-Interscience. pp. 1-799, 1972.

Schally Av, Kastin AJ, Arimura A (Endocrine and Polypeptide Labs., Veterans Administration Hospital, New Orleans, LA 70146) FSH-releasing hormone and LH-releasing hormone. In: Vitamins and Hormones; Advances in Research and Application, Vol. 30, ed. by R.S. Harris, P.L. Munson, E. Diczfalusy, and J. Glover. New York, Academic Press. pp. 83-164, 1972.

Schwartz NB, Waltz P (Dept. Physiology, Northwestern Univ., Chicago, IL) Role of ovulation in the regulation of the estrous cycle. In: Engineering Principles in Physiology, ed. by Role of ovulation in the regulation of the estrous cycle. In: Engineering Principles in Physiology, ed. by J.H.U. Brown and D.S. Gann. New York, Academic Press. pp. 249-260, 1973.

Shearman RP, ed. Human Reproductive Physiology. Oxford, Blackwell Scientific Publications. pp. 1-792, 1972.

Soupart P (Dept. Gynecology-Obstetrics, Vanderbilt Univ., Nashville, TN) Sperm capacitation: methodology, hormonal control and the search for a mechanism. In: Biology of Mammalian Fertilization and Implantation, ed. by K.S. Moghissi and E.S.E. Hafez. Springfield, Ill., Thomas. pp. 54-125, 1972.

Southern EM, ed. The Prostaglandins. Clinical Application in Human Reproduction. New York, Future Publishing Co. pp. 1-545, 1972.

Szontágh FE (Dept. Obstetrics and Gynaecology, Univ. Medical School of Szeged, Szeged, Hungary) Mechanisms of Action of Oral Progestogens. Budapest, Akademiai Kiado. pp. 1-176, 1970.

Tausk M, ed. Pharmacology of the endocrine system and related drugs: progesterone, progestational drugs and antifertility agents. Int Encycl Pharmacol Ther 1:1-517, 1971.

Tixier-Vidal A (Lab. Biologie Moléculaire, Collège de France, Paris, France) Ultrastructural features of gonadotropic pituitary cells in culture. Symp Biol Hung 14:43-58, 1972. (Review article.)

(2) Methods and Chemistry

Cross, BA (Dept. Anatomy, Univ. Bristol Medical School, Bristol, England) Unit responses in the hypothalamus. In: Frontiers in Neuroendocrinology 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. 133-171, 1973.

Hirsch MA A study of methods for the dispersal and buoyant density separation of bovine adenohypophysial cells. Ph.D. thesis, Florida State Univ. pp. 1-499, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3265, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-226.)

Jänne O, Apter D, Vihko R (Dept. Medical Chemistry, Univ. Helsinki, SF-00170 Helsinki 17, Finland) Radioimmunoassay of plasma testo-

sterone, progesterone and 17alpha-hydroxyprogesterone after separation on hydroxyalkoxypropyl Sephadex. Scand J Clin Lab Invest (Suppl) 31(130):26, 1973. (Abstract only.)

Jouvenaz GH, Nugteren DH, van Dorp DA (Unilever Research, Vlaardingen, The Netherlands). Gas chromatographic determination of nanogram amounts of prostaglandins E and F. Prostaglandins 3(2):175-187, 1973.

Lucas LA, Abraham GE (Abraham: Div. Reproductive Biology, Dept. Obstetrics and Gynecology, UCLA School of Medicine, Harbor General Hospital Campus, Torrance, CA) Radioimmunoassay of testosterone in murine plasma. Anal Letters 5(11):773-783, 1972.

Madjerek ZA (Inst. Anatomy and Embryology, Univ. Amsterdam, Amsterdam, The Netherlands). Bioassays. Int Encycl Pharmacol Ther 1:389-402, 1971.

Muni IA, Altshuler CH, Neicheril JC, Voegeli JT (Dept. Pathology, St. Joseph's Hospital, 5000 W. Chambers St., Milwaukee, WI 53210) Estimation of plasma testosterone and epitestosterone by electron capture gas-liquid chromatography. Anal Letters 5(11):785-799, 1972.

Nett TM Radioimmunoassay of estrogenic hormones in the plasma of mares. Ph.D. thesis, Washington State Univ. pp. 1-60, 1972. (Abstract in Dissertation Abst Int (B) 33(7):2870, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann arbor, MI 48106, order no. 72-66.)

Puget A (Centre Recherches Toxicités, 205, route de Narbonne, 31078 Toulouse-Cedex, France). Ochotona rufescens rufescens in captivity: reproduction and behaviour. J Inst Anim Techn 24(1):17-24, 1973. (Report of reproduction and behavior of the pika with special reference to possibilities for use in experimental research.)

Sandor T, Idler DR (Lab. Endocrinoloqie, Hôpital Notre-Dame, Montreal, Quebec, Canada). Steroid methodology. In: Steroids in Nonmammalian Vertebrates, ed. by D.R. Idler. New York, Academic Press. pp. 6-36, 1972.

Schwartz D, Bell J, Rechnitz S, Benveniste R, Rabinowitz D (Hadassah Univ. Hospital, Jerusalem, Israel). A receptor assay for human FSH: specific testicular binding of iodinated FSH. Clin Res 21(3):502, 1973. (Abstract only.)

Wentzel D, Morgenthal JC, Van Niekerk CH (Dept. Animal Physiology, Faculty Agriculture, Univ. Stellenbosch, Stellenbosch, South Africa) Assay of progesterone by competitive protein-binding: the detrimental effect of old aqueous standard solutions on the binding curve. Agroanimalia 4(4):103-104, 1972.

(3) Anatomy and Histochemistry

Björklund A, Moore RY, Nobin A, Stenevi U (Dept. Histology, Univ. Lund, Lund, Sweden). The organization of tubero-hypophysial and reticulo-infundibular catecholamine neuron systems in the rat brain. Program and Abstracts of the Second Annual Meeting of the Society for Neuroscience, Houston, Oct. 8-11, 1972. p. 227 (Abstract only.)

Genbacev O, Robyn C, Pantic V (Inst. for Application of Nuclear Energy in Agriculture, Veterinary Medicine and Forestry, Zemun, Yugoslavia). Localization of chorionic gonadotropin in human term placenta on ultrathin sections with peroxidase-labeled antibody. J Microsc (Paris) 15(3):399-402, 1972.

Karasek M, Pawlikowski M, Kaluzewski B (Scientific Research Center and Chair of Endocrinology, Medical Academy, Lodz, Poland). Cilia of cells of the rat hypophysis. Pol Endocrinol 23(3):175-178, 1972.

Nilsson O, Munshi SR (Inst. Human Anatomy, S 752 20 Uppsala, Sweden). Scanning electron microscopy of mouse follicles at ovulation. J Submicros Cytol 5(1):1-6, 1973.

Smialowski A (Dept. Comparative Neuroanatomy, Jagellonian Univ., Kraków, ul. Krupnicza 50, Poland). Anterior hypothalamic nuclei in the monkey brain. Acta Biol Cracov (Zool) 15(1):15-22, 1972.

(4) Hypothalamus, Releasing Factors, Other Brain Areas

Aschenbrenner JE. The ultrastructural localization of adenyl cyclase activity in gonadotrophs of the New Zealand rabbit following intraventricular dopamine administration. Ph.D. thesis, Baylor Univ. pp. 1-157, 1971. (Abstract in Dissertation Abst Int (B) 33(9):4081, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-6263.)

Batt RAL, Bray GA, Swerdloff RS (Dept. Medicine, Harbor General Hospital, UCLA School Medicine, Torrance, CA). Evidence for inadequate release of LHRH in the obese hyperglycemic mouse. Clin Res 21(2):249, 1973. (Abstract only.)

Blackwell RE. Nature of the hypothalamic control of the secretion of the gonadotropins. Ph.D. thesis, Baylor College Medicine. pp. 1-193, 1972. (Abstract in Dissertation Abst Int (B) 33(11): 5469, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-11,339.)

Bowers CY, Folkers K, Sievertsson H, Currie BL, Bogentoft C, Chang JK (Tulane Univ. School of Medicine, New Orleans, LA 70112). Synthetic peptides that release TSH and LH from the pituitary. In: Encocrinology 1971. London, William Heinemann Medical Books Ltd. pp. 192-210, 1972.

Campbell GT. Hypothalamic monoamines and the photosexual responses in Japanese quail, Coturnix coturnix japonica. Ph.D. thesis, Northwestern Univ. pp. 1-137, 1972. (Abstract in Dissertation Abst Int (B) 33(10):4668, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-10,201.)

Ehara Y, Ryan KJ, Yen SSC (Dept. Obstetrics and Gynecology, Univ. California San Diego, School Medicine, La Jolla, CA 92037). Insensitivity of synthetic LRF in LH-release of rhesus monkey. Contraception 6(6):465:478, 1972.

Gual C (Dept. Endocrinology, Inst. Nacional Nutrición, Viaducto Tlalpan, Mexico). Clinical effects and uses of hypothalamic releasing and inhibiting factors. In: Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 89-131, 1973.

Job JC, Garnier PE, Chaussain JL, Canlorbe P (74, Ave. Denfert-Rochereau, 75014 Paris, France). Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophysogonadal disorders of children and adolescents. II. Precocious puberty and premature thelarche. Biomed Express 19(2):77-81, 1973.

Liu CC, Kinsom GA (Dept. Physiology, Univ. Ottawa, Ottawa, Ontario K1N 6N5, Canada). Testicular gametogenic and endocrine responses to melatonin and serotinin peripherally administered to mature rats. Contraception 7(2):153-163, 1973.

Nair RMG, Schally AV (Endocrine & Polypeptide Labs., Veterans Administration Hospital, New Orleans, LA 70146). Structure of a hypothalamic peptide possessing gonadotropin-releasing activity. Int. J. Peptide Protein Res 4(6):421-430, 1972.

Pawlikowski M, Karasek M, Kaluzewski B (Chair of Endocrinology and Scientific Research Center, Medical Academy, Lódź, Poland). Ultrastructure of the adenohypophysis cultivated in vitro in the presence of hypothalamic tissue. Pol Endocrinol 23(3):170-174, 1972.

Reichlin S, Mitnick M (Tufts-New England Medical Center Hospitals, Boston, MA). Biosynthesis of hypothalamic hypophysiotropic factors. In: Frontiers in Neuroendocrinology 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 61-88, 1973.

Seyler LE Jr., Reichlin S (Univ. Connecticut School Medicine, Farmington, CT). Luteinizing hormone releasing factor (LRF) in the blood of men induced by castration or estrogen treatment. Clin Res 21(3):502, 1973. (Abstract only.)

Tabei T, Haga H, Heinrichs WL, Hermann WL (Dept Ob/Gyn, Univ. Washington School Medicine, Seattle, WA) Metabolism of progesterone by the brain and pituitary gland. Clin Res 21(2):206, 1973. (Abstract only.)

Thomas K, Cardon M, Donnez J, Ferin J (Physiology of Human Reproduction Research Unit, Dept. Obstetrics & Gynecology, University Hospital, B-3000 Louvain, Belgium) Changes in hypophyseal responsiveness to synthetic LH-RH during the normal menstrual cycle in women. Contraception 7(4):289-297, 1973.

Vale W, Grant G, Guillemin R (Salk Inst., La Jolla, CA) Chemistry of the hypothalamic releasing factors--studies on structure-function relationships. In: Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 375-413, 1973.

Wuttke W, Ellendorff F (Biophysikalische Chemie, Göttingen, Germany) Identification and characterization of preoptic neurons associated with the regulation of gonadotropins. Pflügers Arch (Suppl) 339:R68, 1973. (Abstract only.)

(5) Anterior Pituitary and Gonadotropins

Abney TO Gonadotropin regulation of RNA and protein synthesis in the mature hypophysectomized rat testis. Ph.D. thesis, Univ. Georgia. pp. 1-157, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4102, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1765, Ann Arbor, MI 48106, order no. 73-5636.)

Blake CA Central nervous control of pituitary secretion of luteinizing hormone and prolactin in the rat. Ph.D. thesis, UCLA. pp. 1-233, 1972. (Abstract in Dissertation Abst Int (B) 33(7):2898, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-33,898.)

Boyar R, Finkelstein J, David R, Roffwarg H, Kapen S, Weitzman E, Hellman L (Dept. Oncology, Montefiore Hospital, Bronx, NY) 24-hour LH and FSH secretory patterns in sexual precocity. Clin Res 21(3):486, 1973. (Abstract only.)

Burzawa-Gérard E (Lab. Physiologie Générale et Comparée, Museum National d'Histoire Naturelle, Paris-V, France) (A few properties of the gonadotropic hormones of fish compared with those of mammals) Quelques proprietétés des hormones gonadotropes des poissons comparées á celles des mammiféres. In: La Spécificité Zoologiques des Hormones Hypophysaires et de leurs Activités. Paris, Centre National de la Recherche Scientifique. pp. 351-356, 1969 (Fre)

Cervantes-Bustamante A Antispermiogenic action of follicle stimulating hormone in rats. Ph.D. thesis, Univ. California, San Francisco. pp. 1-95, 1971. (Abstract in Dissertation Abst Int (B) 33(8):3888,

1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-3659.)

Christiansen RO, Desautel M (Desautel: Dept. Pediatrics, Stanford Univ. School Medicine, Stanford, CA) Induction of highly specific testicular isozyme of cyclic nucleotide phosphodiesterase by interstitial cell stimulating hormone (ICSH) and FSH. Clin Res 21(2):289, 1973. (Abstract only.)

Cons JM Follicle-stimulating hormone in the adult female rat: metabolic distribution, half-life, ovarian uptake and changes in the vasculature and ultrastructural morphology of the ovary. Ph.D. thesis, Univ. California, San Francisco. pp. 1-154, 1972. (Abstract in Dissertation Abst Int (B) 33(11): 5471, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-3654.)

Danowski TS (Dept. Medicine, Univ. Pittsburgh School of Medicine, Pittsburgh, PA) Low serum LH and possible pituitary dysfunction. CMD 40(1):58-61, 1973.

Danzo BJ Studies on the mechanism of action of human chorionic gonadotrophin. Ph.D. thesis, Univ. Michigan. pp. 1-138, 1971. (Abstract in Dissertation Abst Int (B) 33(5):2405, 1972. Order from University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-29,025.)

Do Shim J, Ho Baik S (Dept. Anatomy, College Medicine Seoul National Univ., Seoul, S. Korea) (Immunohistochemical studies on the LH cells of pituitary glands in castrated male rats) Seoul J. Med 13(3):209-220, 1973 (Kor) (English abstract.)

Dorfman RI (Syntex Research, Stanford Industrial Park, Palo Alto, CA) Mechanism of action of gonadotropins and prolactin. In: Biochemical Actions of Hormones, Vol. II, ed. by G. Litwack. New York, Academic Press. pp. 295-316, 1972.

Ford JJ Gonadotropin levels in lactating rats: effects of ovariectomy. Ph.D. thesis, Iowa State Univ. pp. 1-53, 1972. (Abstract in Dissertation Abst Int (b) 33(8):3890, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-3884.)

Franchimont P, Gaspard U, Reuter A, Heynen G (Lab. Radioimmunology, Inst. Medicine, Univ. Liège, Liège, Belgium) Polymorphism of protein and polypeptide hormones. Clin Endocrinol (Oxford) 1(4):315-336, 1972.

Frantz AG (Dept. Medicine, College Physicians & Surgeons, Columbia Univ., New York, NY) The regulation of prolactin secretion in humans. In: Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 337-374, 1973.

Hattingh J, du Toit PJ (Dept. Zoology, Rand Afrikaans Univ., Johannesbugh, South Africa) Partial separation of the pituitary proteins of Labeo umbratus, Smith (mudfish). J Fish Biol 5(1):41-47, 1973.

Ishibashi I (Faculty of Horticulture, Chiba Univ., Matsudo 271, Japan) (Morphological studies on superovulated rat ova. IV. Effect of gonadotrophin treatment on implantation and blastula state of ova in adult rats) Jap J Anim Reprod 18(3):87-93, 1972 (Jpn)

Johnson NP Postpartum ovulation in the rat. Ph.D. Thesis, Purdue Univ. pp. 1-97, 1972. (Abstract in Dissertation Abst Int (b) 33(6):2485-2486, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-30,912.)

McLean BK Control of corpus luteum function in the rat. Ph.D. thesis, Univ. Kentucky. pp. 1-137, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4471-4472, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-7357.)

Musto NA An investigation of the effects of human chorionic gonadotrophin on the testis of the immature rat. Ph.D. thesis, Univ. Rhode Island. pp. 1-116, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3461, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-2379.)

Ortavant R, Courot M, de Reviers MM (Lab. Physiologie de la Reproduction I.N.R.A., 37-Nouzilly, France) (Specific activities of different FSH's and LH's on the testis of mammals) Activités spécifiques des différentes FSH et LH sur le testicule des mammifères. In: La Spécificité Zoologique des Hormones Hypophysaires et de leurs Activités. Paris, Centre National de la Recherche Scientifique. pp. 369-379, 1969 (Fre)

Partanen S., Hervonen A (Dept. Anatomy, Univ. Helsinki, Helsinki, Finland) Monoamine-containing cells in the human fetal adenohypophysis. Scand J Clin Lab Inest (Suppl) 31(130):18, 1973. (Abstract only.)

Seilicovich A, Rosner JM (Inst. Latinoamericano de Fisiologia de Reproduccion (ILAFIR), Univ. Salvador, Casilla de Correo 10, San Miguel, Buenos Aires, Argentina) Effect of FSH on the in vivo uptake of ^{3}H-testosterone by rat semniferous tubules. Steroids Lipids Res 3(4): 214-219, 1972.

Serón-Prizant M Pituitary control of progesterone secretion in the estrous cycle of the rat. Ph.D. thesis, Univ. California, San Francisco. pp. 1-131, 1973. (Abstract in Dissertation Abst Int (B) 33(10:4604, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-6756.)

Skipper JK Studies on the mode of action of gonadotrophins in immature rat testicular tissue. Ph.D. thesis, Univ. Georgia. pp. 1-131, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4121, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-5784.)

Sotomayor R Hormonal factors involved in the luteinization of transplanted follicles and their subsequent function in the rat. Ph.D. thesis, West Virginia Univ. pp. 1-102, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3273, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-853.)

Testart J (Station Centrale de Physiologie Animale, Centre National de Recherches Zootechniques, I.N.R.A., 78 350-Jouy-en-Josas, France) (Follicular response of the immature female calf to various serum gonadotropin treatments, associated or unassociated with a progestin) Réponse folliculaire du veau femelle impubère à divers traitements de gonadotropine sérique associée ou non à un progestagène. Ann Biol Anim Biochim Biophys 12(3):397-409, 1972 (Fre) (English summary.)

Vaitukaitis JL, Ross GT (NIH, Bethesda, MD 20014) New evidence for immunologic specificity of beta subunits of human glycoproteins. Clin Res 21(3):505, 1973. (Abstract only.)

Woodward TL Gonadotropin levels in postpartum heifers. Ph.D. thesis, Texas A&M Univ. pp. 1-90, 1972. (Abstract in Dissertation Abst Int (B) 33(11):5084, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-12, 304.)

(6) Gonads and Gonadal Steroids

Albrecht ED Ovarian and adrenal steroidogenesis following the induction of polycystic ovaries in the rabbit. Ph.D. thesis, Rutgers Univ. - State Univ., New Jersey. pp. 1-161, 1972. (Abstract in Dissertation Abst Int (B) 33(8):4030-4031, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-4715.)

Batson DB Progesterone and estrogren levels in the peripheral plasma of non-bred, non-pregnant and pregnant cows. Ph.D. thesis, Univ. Tennessee. pp. 1-72, 1972. (Abstract in Dissertation Abst Int (B) 33(11): 5468, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-12,384.)

Beier HM, Kühnel W (Anatomisches Inst., Univ. Kiel, Olshausenstr. 40-60, Eing. F1/F3, D-3 Kiel, Germany) Pseudopregnancy in the rabbit after stimulation by human chorionic gonadotropin. Hormone Res 4(1):1-27, 1973.

Bosley CE The control of preovulatory progesterone synthesis and secretion in the cyclic female golden hamster. Ph.D. thesis, Univ. Cincinnati. pp. 1-129, 1972 (Abstract in Dissertation Abst Int (B) 33(8):3887-3888, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-3834.)

Chester Jones I, Bellamy D, Chan DKO, Follett BK, Henderson IW, Phillips JG, Snart RS (Dept. Zoology Univ. Sheffield, Sheffield, England) Biological actions of steroid hormones in nonmammalian vertebrates. In: Steroids in Nonmammalian Vertebrates, ed. by D.R. Idler. New York, Academic Press. pp. 414-480, 1972.

Chopra IJ, Tulchinsky D, Greenway F (UCLA School Medicine, Harbor General Hospital, Torrance, CA) Alterations in circulating testosterone (T), dihydrotestosterone (DHT), estradiol-17beta (E_2) and gonadotropins in men with hepatic cirrhosis. Clin Res 21(2):200, 1973 (Abstract only.)

Concannon PW In vitro progesterone synthesis in bovine corpora lutea as influenced by estradiol and prostaglandins. Ph.D. thesis, Cornell Univ. pp. 1-170, 1972 (Abstract in Dissertation Abst Int (B) 33(9): 4467, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-7129.)

Cuellar HS Relationships among hormones, food consumption, fat reserves, and testes growth in male lizards, Anolis carolinensis (Reptilia: Iguanidae). Ph.D. thesis, Univ. Colorado. pp. 1-66, 1972 (Abstract in Dissertation Abst Int (B) 33(8):3476, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-1761.)

Domeki I, Nakahara T, Kaneda Y, Yamauchi M (National Inst. Animal Health, Kodaira, Tokyo 187, Japan) (Estrogen and gestagen content in follicular fluid of the cow) Jap J. Anim Reprod 18(3):94-98, 1972 (Jpn)

Ekre CD Some effects of progestogens, estrogens, and anti-LH and anti-estradiol sera on corpus luteum function and other reproductive processes in the ewe. Ph.D. thesis, Utah State Univ. pp. 1-156, 1971 (Abstract in Dissertation Abst Int (B) 33(7):3263-3264, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-881.)

Ferin J, Thomas K (Physiology of Human Reproduction Research Unit, Dept. Obstetrics & Gynaecology, Univ. Louvain, Louvain, Belgium) Long-term replacement therapy in post-menopausal women. Pituitary gonadotropin secretion and endometrial studies. Frontiers Horm Res 2:134-142, 1972.

Fernholm B (Dept. Zoology, Univ. Stockholm, Box 6801, S-113 86 Stockholm, Sweden) Is there any steroid hormone formation in the ovary of the hagfish, Myxine glutinosa? Acta Zool 53(2):235-242, 1972.

Gans DS, Stewart-Bentley M, Barbour BH, Horton R (Dept. Medicine, LAC-USC Medical Center, Los Angeles, CA) Testosterone metabolism in patients on chronic hemodialysis. Clin Res 21(2):252, 1973. (Abstract only.)

Gupta RC Spermatogenesis and the effect of seasonal changes in the histology of testes and accessory sex organs in the ram. Ph.D. thesis, Univ. Minnesota. pp. 1-154, 1972. (Abstract in Dissertation Abst Int (B) 33(5):2403, 1972. Order from University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-27,838.)

Jensen EV, DeSombre ER (The Ben May Lab. for Cancer Research, Univ. Chicago, Chicago, IL) Estrogens and progestins. In: Biochemical Actions of Hormones, Vol. II, ed. by G. Litwack. New York, Academic Press. pp. 215-255, 1972.

Jones EE Studies of phenomena associated with ovulation in the rabbit. Ph.D. thesis, Univ. Illinois at Urbana-Champaign. pp. 1-118, 1972. (Abstract in Dissertation Abst Int (B) 33(10):4980, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-9958.)

Kincl FA (Biomedical Division, Population Council, New York, NY) Chemistry and biochemistry of progesterone. Int Encycl Pharmacol Ther 1:13-64, 1971. (Review.)

Kincl FA (Biomedical Division, Population Council, New York, NY) Progesterone as testosterone antagonist. Int Encycl Pharmacol Ther 1:325-329, 1971. (Review.)

Kincl FA (Biomedical Division, Population Council, New York, NY) Protection against early postnatal steroid damage. Int Encycl Pharmacol Ther 1:319-324, 1971. (Brief review.)

Kincl FA (Biomedical Division, Population Council, New York, NY) Synergism with and antagonism to estrogens. Int Encycl Pharmacol Ther 1:275-290, 1971.

Lincoln GA, Guinness F, Short RV (Dept. Veterinary Clinical Studies, Madingley Road, Cambridge, England) The way in which testosterone controls the social and sexual behavior of the red deer stag (Cervus elaphus). Horm Behav 3(4):375-396, 1972.

Lofts B, Bern HA (Dept. Zoology, Univ. Hong Kong, Hong Kong) The functional morphology of steroidogenic tissues. In: Steroids in Nonmammalian Vertebrates, ed. by D.R. Idler. New York Academic Press. pp. 37-125, 1972.

Mariana JC (Station de Physiologie de la Reproduction, Centre de Recherches de Tours, I.N.R.A., 37-Nouzilly, France) (Classification of ovarian follicles: principles and methods of study) Classification des follicules ovariens: principes et méthodes d'étude. Ann Biol Anim Biochim Biophys 12(3):377-382, 1972 (Fre). (English Summary.)

Matsumoto A, see under "Lesions, stimulations, stresses".

O'Connor RF Luteal function in the squirrel monkey (Saimiri sciureus). Ph.D. thesis, Univ. Wisconsin. pp. 1-126, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3269, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-24,904.)

Ozon R (Lab. Physiologie de la Reproduction, Univ. Paris, Paris, France) Androgens in fishes, amphibians, reptiles, and birds. In: Steroids in Nonmammalian Vertebrates, ed. by D.R. Idler. New York, Academic Press. pp. 328-389, 1972. (Review.)

Ozon R (Lab. Physiologie de la Reproduction, Univ. Paris, Paris, France) Estrogens in fishes, amphibians, reptiles, and birds. In: Steroids in Nonmammalian Vertebrates, ed. by D.R. Idler. New York, Academic Press. pp. 390-413, 1972. (Review.)

Reddy, PRK, Prasad MRN (Dept. Zoology, Univ. Delhi, Delhi 7, India) Control of fertility in male rats by subcutaneously implanted silastic capsules containing testosterone. Contraception 7(2):105-114, 1973.

Reuter LA Studies on the role of progesterone as a regulator of the ovarian cycle in the golden hamster. Ph.D. thesis, Princeton Univ. pp. 1-196, 1972. (Abstract in Dissertation Abst Int (B) 33(5):2308, 1972. Order from University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-29,822.)

Rigby FIL Studies of estrogen metabolism and plasma 17beta estradiol concentrations in Macaca mulatta. Ph.D. thesis, Univ. Wisconsin. pp. 1-126, 1972. (Abstract in Dissertation Abst Int (B) 33(7): 3390, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-27,344.)

Roberts S, Kenney NJ, Mook DG (Dept. Psychology, Univ. Virginia, Charlottesville, VA 22901) Overeating induced by progesterone in the ovariectomized, adrenalectomized rat. Horm Behav 3(3):267-276, 1972.

Rouy S (Lab. Histologie & Embryologie, Faculté Médecine, 34 Montpellier, France) Studies on the structure of the adult testis in the pyrenaean newt Euproctus asper Dugès and its changes during the sexual cycle in in a population at low altitude) Observations sur la structure du testicule adulte chez l'urodéle pyrénéen Euproctus asper Dugés et ses variations au cours du cycle sexuel chez une population de basse altitude. Bull Soc Zool Fr 97)4):653-674, 1972 (Fre) (English summary.)

Schreck CB Reproductive endocrinology of fishes. Ph.D. thesis, Colorado State Univ. pp. 1-102, 1972. (Abstract in Dissertation Abst Int (B) 33(6):2781, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-31,343.)

Seng JT The effects of 17beta-estradiol and progesterone on pregnant mare serum gonadotrophin-induced ovulation in the immature rat. Ph.D. thesis, Indiana Univ. pp. 1-114, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3905, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-2753.)

Sharp DC Measurement of circulating progesterone throughout the estrous cycle of pony mares. Ph.D. thesis, Univ. Massachusetts. pp. 1-98, 1972. (Abstract in Dissertation Abst Int (B) 33(6):2781, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-33,017.)

Shore LS Metabolism of testosterone and progesterone by neural tissue. Ph.D. thesis, Hahnemann Medical College & Hospital of Philadelphia. pp. 1-94, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3273, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-1220.)

Sridharan BN Effect of progesterone, related steroids and coitus on gonadotrophin-induced ovulation in the immature rat. Ph.D. thesis, Univ. Wisconsin. pp. 1-156, 1972. (Abstract in Dissertation Abst Int (B) 33(10):5072, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-33,875.)

Stewart J Ovarian function in reproductive cycles in the rat: enzymic-pyridine nucleotide interactions and cytological observations. Ph.D. thesis, Brown Univ. pp. 1-130, 1971. (Abstract in Dissertation Abst Int (B) 33(10):4660, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-8132.)

Stockton BA Reproductive senescence in the golden hamster Mesocricetus auratus Waterhouse: temporal aspects of ovulation and induction of uterine decidual cells. Ph.D. thesis, Univ. Oregon. pp. 1-127, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4479, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-7966.)

Tausk M, de Visser J (Faculty Medicine, Univ. Utrecht, Utrecht, The Netherlands) The role of progesterone in mammalian reproduction. Int Encycl Pharmacol Ther 1:367-373, 1971.

Williams-Ashman HG, Reddi AH (The Ben May Lab. for Cancer Research, Univ. Chicago, Chicago, IL) Androgenic regulation of tissue growth and function. In: Biochemical Actions of Hormones, Vol. II, ed. by G. Litwack, New York, Academic Press. pp. 257-294, 1972.

Wingate AL A histochemical study of the hamster ovary during the estrous cycle, pregnancy and lactation. Ph.D. thesis, Univ. Kansas. pp. 1-153, 1972. (Abstract in Dissertation Abst Int (B) 33(6):2446, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-32,950.)

Yahr P (Dept. Psychiatry, Stanford Univ. School Medicine, Stanford, CA 94305) Steroid regulation of territorial scent marking in the mongolian gerbil (Meriones unguiculatus). Horm Behav 3(4):359-368, 1972.

Zeilmaker GH (Dept. Physiology, Medical Faculty, Rotterdam, The Netherlands) Induction and inhibition of ovulation by progesterone. Int Encycl Pharmacol Ther 1:331-352, 1971.

(7) Other Endocrine Interactions

Alsat E, Cedard L (Lab. Chimie Hormonale, Maternité de Port-Royal, 123 Bld de Port-Royal, 75014 Paris, France) The stimulatory action of the prostaglandins on the production of oestrogens by the human placenta perfused in vitro. Prostaglandins 3(2):145-153, 1973.

Balemans MGM (Zoological Lab., Dept. Histology/Cellbiology, Univ. Utrecht, Utrecht. The Netherlands) Age-dependent effects of 5-methoxytryptophol and melatonin on testes and comb growth of the white leghorn (Gallus domesticus L.). J Neurol Trans 33(3):179-194, 1972.

Bartke A, Musto N, Caldwell BV, Behrman HR (Worcester Foundation for Experimental Biology, Shrewsbury, MA 01545) Effects of a cholesterol esterase inhibitor and of prostaglandin F_{2}alpha on testis cholesterol and plasma testosterone in mice. Prostaglandins 3(1):97-104, 1973.

Batta SK, Piva F, Martini L (Dept. Pharmacology, Univ. Milan, 20129 Milan, Italy) Effect of prostaglandins E_1, E_2, and F_{2alpha} on gonadotrophin-induced ovulation in immature female rats. Adv Biosci 9:723-730, 1973.

Buckman MT, Peake GT (UNM School Medicine, Alburquerque, NM) Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Clin Res 21(3):487, 1973. (Abstract only.)

Cerini MED, Chamley WA, Findlay JK, Goding JR (Reproduction Research Section, Dept. Physiology, Univ. Melbourne, S.S. Cameron Lab., State Research Farm, Werribee, Victoria, Australia) Luteolysis in sheep with ovarian transplants following concurrent infusions of luteinizing hormone and prostaglandin F_{2alpha} into the ovarian artery. Prostaglandins 3(4):399-404, 1973.

Chamley WA, Christie M (Reproduction Research Section, Dept. Physiology, Univ. Melbourne, S.S. Cameron Lab., State Research Farm, Werribee, Victoria, Australia) Failure of prostaglandin F_{2alpha} to affect LH secretion in the ovariectomized ewe. Prostaglandins 3(4):405-412, 1973.

Channing CP (Dept. Physiology, Univ. Pittsburgh School Medicine, Pittsburgh, PA 15213) The interrelationship of prostaglandins, cyclic 3',5'-AMP and ovarian function. Res Prostaglandins 2(5):1-4, 1973.

Channing CP (Dept. Physiology, Univ. Pittsburgh School of Medicine, Pittsburgh, PA 15213) Stimulatory effects of prostaglandins upon luteinization of rhesus monkey granulosa cell cultures. Prostaglandins 2(5):331-349, 1972.

Channing CP (Dept. Physiology, School of Medicine, Univ. Pittsburgh, PA 15213) Effects of prostaglandin inhibitors, 7-oxa-13-prostynoic acid and eicosa-5,8,11,14-tetraynoic acid, upon luteinization of rhesus monkey granulosa cells in culture. Prostaglandins 2(5):351-367, 1972.

Chatterjee A (Dept. Physiology, Raja Peary Mohan College, Uttarpara, Hooghly, West Bengal, India) Possible mode of action of prostaglandins: V - Differential effects of prostaglandin F_{2alpha} before and after the establishment of placental physiology in pregnant rats. Prostaglandins 3(2):189-199, 1973.

Coudert SP, Faiman C (Faiman: G-449, Winnipeg General Hospital, Winnipeg, Manitoba, Canada R3E 0Z3) Effect of prostaglandin F_{2alpha} on anterior pituitary function in man. Prostaglandins 3(1):89-95, 1973.

Coudert SP, Phillips GD, Palmer M, Faiman C (Dept. Physiology, Univ. Manitoba, Winnipeg, Manitoba, Canada) Prostaglandin F concentration in the peripheral blood of the ewe during the estrous cycle. Prostaglandins 2(6):501-509, 1972.

Cox RI, Thorburn GD, Currie WB, Restall BJ, Schneider W (C.S.I.R.O., Division Animal Physiology, Ian Clunies-Ross Animal Research Lab., Prospect, N.S.W. 2148, Australia) Prostaglandin F group (PGF), the progesterone, and estrogen concentrations in the uteroovarian venous plasma of the conscious ewe during the estrous cycle. Adv Biosci 9: 625-630, 1973.

Demers LM, Behrman HR, Greep RO (Dept. Physiology, Lab. Human Reproduction & Reproductive Biology, Harvard Medical School, Boston, MA 02115) Effects of prostaglandins and gonadotrophins on luteal prostaglandin and steroid biosynthesis. Adv Biosci 9:701-707, 1973.

Denari JH, Rosner JM (ILAFIR, C.C. 10, San Miguel, P.B.A. Argentine) Sexual steroid uptake in the alloxanized diabetic rat. Steroids Lipids Res 3(2-3):151-155, 1972.

Hillier K, Dutton A, Corker CS (Nuffield Dept. Obstetrics & Gynaecology, John Radcliffe Hospital, Headington Oxford OX 3 9DU, England) The effect of prostaglandin F_{2alpha} administration on plasma steroid and LH levels in the luteal phase of the menstrual cycle. Adv Biosci 9: 673-678, 1973.

Iams SG The effect of bilateral adrenalectomy on the gonadal steroid profile of the American oppossum. Ph.D. thesis, Ohio State Univ. pp. 1-64, 1972 (Abstract in Dissertation Abst Int (B) 33(8):3894, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI48106, order no. 73-2026.)

Jöchle W, Tomlinson RV, Andersen AC (Syntex Research, Inst. Veterinary Science, Palo Alto, CA) Prostaglandin effects on plasma progesterone levels in the pregnant and cycling dog (beagle). Prostaglandins 3(2): 209-217, 1973.

Kirton KT (Fertility Research, Upjohn Co., Kalamazoo, MI 49001) Prostaglandins and steroidogenesis. Adv Biosci 9:645-650, 1973. (Review.)

Lehmann F, Peters F, Breckwoldt M, Bettendorf G (Dept. Obstetrics & Gynecology, Univ. Hamburg, Germany) Plasma progestin and plasma estrogen levels during infusion of PGF_{2alpha} in the human. Adv Biosci 9:679-688, 1973.

LeMaire WJ, Yang NST, Behrman HH, Marsh JM (Dept. Obstetrics & Gynecology, Univ. Miami School Medicine, Miami, FL 33152) Preovulatory changes in the concentrations of prostaglandins in rabbit Graffan follicles. Prostaglandins 3(3):367-376, 1973.

McCracken JA, Barcikowski B. Carlson JC, Green K, Samuelsson B (Worcester Foundation Experimental Biology, Shrewsbury, MA 01545) The physiological role of prostaglandin F_{2alpha} in corpus leuteum regression. Adv Biosci 9:599-624, 1973 (103 references.)

Olambiwonnu NO, Penny R, Frasier SD (Dept. Pediatrics, Univ. Southern California School Medicine, LAC-USC Medical Center, Los Angeles, CA) Gonadotropins in congenital adrenal hyperplasia. Clin Res 21(2):291, 1973. (Abstract only.)

Pomerantz DK Epiphysial modulation of luteinizing hormone secretion in the female rat. Ph.D. thesis, Univ. Rochester. pp. 1-145, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3903, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-29,385.)

Prasada Rao PD, Betole UK, Kondawar VV (Anatomisches Inst., Justus Liebig-Univ., Friedrichstr. 24, 63 Giessen, West Germany) Changes in the pituitary-interrenal axis after gonadectomy in the catfish, Clarias batrachus (Linn.). Acta Zool 53(2):135-145, 1972.

Rathkamp WR The role of the pineal gland in the immature chicken. Ph.D. thesis, Indiana Univ. pp. 1-92, 1972. (Abstract in Dissertation Abst Int (B) 33(1):5070-5071, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-9777.)

Ratner A, Wilson MC, Peake GT (Dept. Physiology, Univ. New Mexico School Medicine, Albuquerque, NM 87106) Antagonism of prostaglandin-promoted pituitary cyclic AMP accumulation and growth hormone secretion in vitro by 7-oxa-13-prostynoic acid. Prostaglandins 3(4):413-419, 1973.

Saksena SK, Harper MJK (Harper: W.H.O., Human Reproduction Unit, 1211 Geneva 27, Switzerland) Level of F prostaglandin (PGF) in peripheral plasma and uterine tissue of cyclic rats. Prostaglandins 2(6): 511-517, 1972.

Smith ML Jr. Pineal modulation of the rodent ovulatory cycle. Ph.D. thesis, Univ. Texas, Medical Branch, Galveston. pp. 1-170, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4476-4477, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-6760.)

Swerdloff RS, Grover PK (Endocrinology Div., Harbor General Hospital, Torrance, CA) Search for inhibin-effect of steroids and prostaglandins on serum FSH and LH levels. Clin Res 21(2):256, 1973. (Abstract only.)

Tom WKC, Sribyatta B, Thorneycroft IH, Mishell DR (Section of Reproductive Biology, Dept. Obstetrics and Gynecology, Univ. Southern California School of Medicine, Los Angeles, CA 90033) Fertility regulation with cyclic luteal phase vaginal administration of prostaglandin F_{2alpha}. Contraception 6(6):479-488, 1972.

Tsafriri A, Koch Y, Lindner HR (Dept. Biodynamics, Weizmann Inst. Science, Rehovot, Israel) Ovulation rate and serum LH levels in rats treated with indomethacin or prostaglandin E_2. Prostaglandins 3(4):461-467, 1973.

(8) Feedback Mechanisms

Babichev VN, Oxol' LIU (Inst. Eksp. Endocrinol. Khim. Gormon., Akad. Med. Nauk SSSR, Moscow, USSR) (Characteristics of background and evoked activity of hypothalamic neurons involved in the control of pituitary gonadotrophic function in the course of postnatal development) Ontogenez 4(2):161-167, 1973. (English summary.)

Capell PT, Paulsen CA, Derleth D, Skoglund R (Dept. Medicine, Univ. Washington, Seattle, WA) Abnormal feedback control of serum luteinizing hormone in patients with Klinefelter's syndrome. Clin Res 21(2):200, 1973. (Abstract only.)

Cargille CM, Dixon JK (Reproduction Research Branch, National Inst. Child Health and Human Development, NIH, Bethesda, MD 20014) Servoendocrinology: a stochastic system dynamics model of corpus luteum function in the normal cycle and in pregnancy. Clin Res 21(3):487, 1973. (Abstract only.)

Chandrasekhar K, Khosa D (Surgical Research Lab., Inst. Medical Sciences, Banaras Hindu Univ., Varanasi-5, India) Effect of mammalian estrogens and progesterone on the hypothalamo-adenohypophysial complex of ovariectomised cat-fish Clarias batrachus (Linn.). Proc Indian Acad Sci 76(6):240-250, 1972.

Koepke KR, Hallberg MC, Zorn EM, Wieland RG (St. Luke's Hospital, Cleveland, OH) Fluctuations in the levels of gonadotropins and testosterone in eugonadal males. Clin Res 21(3):495, 1973. (Abstract only.)

Nusynowitz ML, Strader WJ III (William Beaumont General Hospital, El Paso, TX) Regulation of gonadotropin response in testicular feminization syndrome. Clin Res 21(2):254, 1973. (Abstract only.)

Swerdloff RS, Grover PK (Endocrinology Division Harbor General Hospital, Torrance, CA) Search for inhibin-effect of steroids and prostaglandins on serum FSH and LH levels. Clin Res 21(3):504, 1973. (Abstract only.)

(9) Hormone Receptors and Binding Sites

Appelgren LE (Pharmacological Division, Dept. Drugs, National Board Health & Welfare, Fack, S-104 01 Stockholm 60, Sweden) Autoradiographic studies of labelled 5alpha-dihydrotestosterone in mice. Steroids Lipids Res 3(5):286-298, 1972.

Kimmel GL The uptake and retention of ^{3}H-estradiol-17beta by various tissues of the female rat as influenced by ovarian steroid hormone pretreatment. Ph.D. thesis, Univ. Cincinnati. pp. 1-101, 1972. (Abstract in Dissertation Abst Int (B) 33(6):2777, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-31,621.)

McEwen BS, Pfaff DW (Rockefeller Univ., New York, NY) Chemical and physiological approaches to neuroendocrine mechanisms: attempts at integration. In: Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 267-335, 1973.

Sar M, Stumpf WE (Labs. Reproductive Biology, Dept. Anatomy, Univ. North Carolina, Chapell Hill, NC 27514) Inhibition of radioactivity uptake in brain and peripheral tissues after the injection of 1,2 ^{3}H testosterone by cyproterone acetate or progesterone. Program and Abstracts of the Second Annual Meeting of the Society for Neuroscience, Houston, Oct. 8-11, 1972, p. 226. (Abstract only.)

Vértes M, King RJB (Inst. Physiology, Univ. Medical School, Pécs, Hungary) Studies on (6,7-^{3}H) oestradiol binding in rat brain and other tissues. Recent Dev Neurobiol Hung 4:33-52, 1973.

(10) Drug Effects

Ahlenius S, Engel J, Eriksson H, Södersten P (Dept. Pharmacology, Fack, S-400 33 Göteborg 33, Sweden) Effects of tetrabenazine on lordosis behaviour and on brain monoamines in the female rat. J Neural Transm 33(2):155-162, 1972.

Armstrong DT, Moon YS, Grinwich DL (Dept. Obstetrics & Gynecology, Univ. Western Ontario, London 72, Ontario, Canada) Possible role of prostaglandins in ovulation. Adv Biosci 9:709-715, 1973.

Balestreri R, Bertolini S, Chiodini G, Ronzitti M (Ist. Scientifico di Medicina Interna, Univ. Genova, Genova, Italy) (Pituitary inhibition by anabolic steroids 17alpha-alkilate or not) Studi sull'effetto ipofiso-inibente di vari steroidi anabolizzanti 17alpha-alchilati e non. Arch Maragliano Patol Clin 27(3-4):123-135, 1971 (Ita)

Berjon JJ, Larrue J, Meunier JM (Lab. Biologie, Hôpital Xavier-Arnozan, Ave. Pasteur, 33 Pessac, France) (The action of reserpine and of isolated or associated hormonal factors on the metamorphosis and growth of the tadpole of Rana dalmatina (Bon). Action de la réserpine et de facteurs hormonaux isolés ou associés sur la métamorphose et la croissance de la larve de Rana dalmatina (Bon). Bull Soc Zool Fr 94(4):691-698, 1972 (Fre) (English summary.)

Dugwekar YG, Narula RK, Laumas KR (Dept. Reproductive Biology. All India Inst. Medical Sciences, New Delhi-16, India) Disappearance of 1 alpha-^{3}H-chlormadinone acetate from the plasma of women. Contraception 7(1):27-45, 1973.

Khosa D, Chandrasekhar K (Surgical Research Lab., Inst. Medical Sciences, Banaras Hindu Univ., Varanasi-5, India) Effect of copper acetate and asphalt on gonadal activities and the correlated changes in the pre-optic nucleus of two genera of teleostean fishes, Claria batrachus (Linn.) and Ophiocephalus punctatus (Bloch). Proc Indian Acad Sci 76(6):229-239, 1972.

Komatsu F (Dept. Pharmacology, Faculty of Medicine, Kyushu Univ., Fukuoka, Japan) (Estradiol-potentiating action of PCB) Fukuoka Acta Med 63(10):374-377, 1972 (Jap) (English summary.)

Lach H, Srebro Z (Dept. Animal Physiology, Teacher Training College, Kraków, Podbrzezie 3, Poland) The oestrous cycle of mice during lead and mercury poisoning. Acta Biol Cravov (Zool) 15(1):121-130, 1972.

Limanowski A Miskowiak B (Dept. Histology & Embryology, Inst. Biostructure, Medical Academy, Poznań, Poland) The influence of aminoglutethimide phosphate on the testes and seminal vesicles in rats. Pol Endocrinol 23(3):186-198, 1972.

Ling GM, Thomas JA, Usher DR, Singhal RL (Dept. Pharmacology, Univ. Ottawa, Ottawa, Ontario, Canada) Effects of chronically administered delta^{1}-tetrahydrocannabinol on adrenal and gonadal activity of male rats. Int J Clin Pharmacol Ther Toxicol 7(1):1-5, 1973.

Lu KH Effects of biogenic monoamines, ergot drugs, estrogen and synthetic thyrotropin-releasing hormone on pituitary prolactin release. Ph.D. thesis, Michigan State Univ. pp. 1-245, 1972. (Abstract in Dissertation Abst Int (B) 33(11): 5476-5477, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-12,768.)

Lupo di Prisco C, Materazzi G, Scattolini B (Ist. Zoologia e Anatomia Comparata, Univ. Camerino, Camerino, Italy) (Modifications of steroidogenesis in rat by a steroidal inhibitor) Modificazioni della steroidogenesi nel ratto ad opera di un inibitore a struttura steroide. Biochim Biol Sper 10(2):147-153, 1972 (Ita) English summary.)

Manda T, Matsumoto T (Faculty Agriculture, Tohoku Univ., Sendai-shi 980, Japan) (Effect of estrogenic substances in herbage on the organ weight and body composition of intact male and spayed hamsters) Jap J Zootech Sci 44(2):97-104, 1973 (Jpn) (English summary.)

Mehrotra PK, Karkun JN, Kar AB (Central Drug Research Inst., Lucknow, India) Estrogenicity of some nonsteroidal compounds. Contraception 7(2):115-124, 1973.

Perez A, MacLaughlin R, Powell D, Kliman B (Endocrine Unit, Massachusetts General Hospital, Boston, MA) Pituitary and testicular stimulation by clomiphene in oligospermic men. Clin Res 21(3):499, 1973. (Abstract only.)

Perry K, DiPasquale G, Ferguson E, Pozzi C, Rassaert CL (Werner-Lambert Research Inst., Morris Plains, NJ 07950) Action of an estrogen antagonist in intact and ovariectomized rats. Contraception 7(3): 231-242, 1973.

Rastogi RK (IIa Cattedra di Anatomia Comparata, Ist. Istologia ed Embriologia, Via Mezzocannone 8, I-80134 Naples, Italy) The anti-estrogenic effects of the ICI compound 46, 474 in the green frog, Rana esculenta L. Steroids Lipids Res 3(1):59-64, 1972.

Schreiber V, Pribyl T, Rohacova J (Lab. for Endocrinology and Metabolism, U. nemocnice 1, Prague 2, Czechoslovakia) Comparison of the effect of three anti-oestrogens on the reaction of the rat adenohypophysis to oestrogen. Hormones 3(6):332-342, 1972.

Toro G, Kolodny RC, Jacobs LS, Masters WH, Daughaday WH (Reproductive Biology Res. Foundation, St. Louis, MO) Failure of alcohol to alter pituitary and target organ hormone levels. Clin Res 21(3):505, 1973. (Abstract only.)

dry JR, Morris NM, Waller L (Dept. Maternal and Child Health, School Public Health, Univ. North Carolina, Chapel Hill, NC) Effect of contraceptive pills on sexual activity in the luteal phase of the human menstrual cycle. Arch Sex Behav 2(3):205-214, 1973.

(11) Lesions, Stimulations, Stresses

olombo JA, Blake CA, Sawyer CH (Dept. Anatomy, UCLA Medical School, Los Angeles, CA 90024) Release of rat pituitary prolactin and LH following application of KCl to the cerebral cortex. Program and Abstracts of the Second Annual Meeting of the Society for Neuroscience, Houston, Oct. 8-11, 1972. p. 228. (Abstract only.)

anowski TS, Wilson HR, Khurana RC, Jung Y, Gonzalez AR, Sunder JH (Dept. Medicine, Magee-Womens Hospital, Pittsburgh, PA 15213) Effects of a progestin, quingestanol, in older diabetic women. Hormone Res 4(2):84-96, 1973.

dwards DA, Warner P (Dept. Psychology, Emory Univ., Atlanta, GA 30322) Olfactory bulb removal facilitates the hormonal induction of sexual receptivity in the female rat. Horm Behav 3(4):321-332, 1972.

scobar LO (Dept. Physiology, College of Medicine, Philippine Center for the Health Sciences, Univ. Philippines, Manila, Philippines) Cortical evoked potential in normal and ovariectomized rats. Acta Med Philip 8(3):104-109, 1972.

riedman MB Auditory influences on the reproductive system of the ring dove (Streptopelia risoris). Ph.D. thesis, Rutgers Univ. - State Univ., New Jersey. pp. 1-95, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3505, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-4744.)

ohnston P, see under "Sex behavior and social influences".

arasek M, Ogiński M, Surma M, Pawlikowski M (Scientific Research Center and Chair of Endocrinology, Medical Academy, Lódź, Poland) The influence of time of day on ^{32}p uptake by the pineal body, superior cervical ganglia and hypophysis in rats. Pol Endocrinol 23(3):199-202, 1972.

misaruk BR, Larsson K, Cooper R (Inst. Animal Behavior, Rutgers--The State Univ., Newark, NJ 07102) Intense lordosis in the absence of ovarian hormones after septal ablation in rats. Program and Abstracts of the Second Annual Meeting of the Society for Neuroscience, Houston, Oct. 8-11, 1972. p. 230. (Abstract only.)

lsbury CW The effects of electrical stimulation of the preoptic area of the hypothalamus on male rat copulatory behavior. Ph.D. thesis, McGill Univ. (Abstract in Dissertation Abst Int (B) 33(6):2838, 1972. Order from National Library of Canada, Ottawa, Canada.)

Matsumoto A (Zoological Inst., Faculty Science, Univ. Tokyo, Tokyo, Japan) Unilateral ovariectomy in rats exposed to postnatal X-ray irradiation. J Fac Sci Univ Tokyo (Zool) 12(3):417-427, 1972.

Schilling E, Cerne F (Max-Planck-Inst. Tierzucht und Tierernaehrung Mariensee/Trenthorst, Germany) Induction and synchronization of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Vet Res 91)20):471-474, 1972.

Smith LE Jr. Effects of postpartum therapy, controlled superovulation and ova transplants on reproduction in beef cattle. Ph.D. thesis, Louisiana State Univ. and Agricultural and Mechanical College. pp. 1-124, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3408-3409, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-2986.)

(12) Rhythms and Cycles

Audy-Relexans MC (Attachée de Recherches au C.N.R.S. Lab. d'Endocrinologie Expérimentale UER Sciences Médicales II, Univ. Bordeaux II, Bordeaux, France) [The sex cycle of the male badger (Meles meles L.)] Le cycle sexuel de blaireau male (Meles meles L.). Ann Biol Anim Biochim Biophys 12(3):355-366, 1972 (Fre) (English summary.)

Chamberlain J, Batchelor A, Craig A, Gallagher MJ (Searle Scientific Services, Lane End Rd., High Wycombe, Buckshire, England) Urinary pregnanediol, oestrogens, L.H. and F.S.H. during the normal menstrual cycle. Ann Clin Biochem 9(3):85-87, 1972.

Druecker JD Aspects of reproduction in Myotis volans, Lasionycteris noctivagans, and Lasiurus cinereus. Ph.D. thesis, Univ. New Mexico. pp. 1-70, 1972. (Abstract in Dissertation Abst Int (B) 33(10): 5065, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-8363.)

Hrabe V (Inst. Vertebrate Zoology, Czechoslovak Academy Sciences, Brno, Czechoslovakia) Contribution to the analysis of the sexual cycle of male Clethrionomys glareolus Schr. (Rodentia). Folia Zoologica 21(4):309-318, 1972.

Karapetian SK, Shakhrerian SA (Hypothalamo-cortical mechanisms of sexual periodicity regulation) Biol Zh Armenii 25(6-7):67-79, 1972 (Arm) (Russian summary.)

Mackay NJ (School Life Sciences, New South Wales Inst. Technology, Gore Hill, N.S.W. 2076, Australia) The reproductive cycle of the firetail gudgeon, Hypseleotris galii. I. Seasonal histological changes in the ovary. Aust J Zool 21(1):53-66, 1973.

Mackay NJ (School Life Sciences, New South Wales Inst. Technology, Gore Hill, Sydney, N.S.W. 2076, Australia) The reproductive cycle of the firetail gudgeon, Hypseleotris galii. II. Seasonal histological changes in the testis. Aust J Zool 21(1):67-74, 1973.

Mahmoud IY, Klicka J (Dept. Biology, Wisconsin State Univ. Oshkosh, Oshkosh, WI 54901) Seasonal gonadal changes in kinosternid turtles. J Herpetology 6(3-4):183-189, 1972.

O'Connor JM Photoperiodic control of the daily rhythm of pituitary gonadotropin release in the trout, Salvelinus fontinalis (Mitchell), and Salmo gairdneri Richardson, and in the frog, Rana pipiens Shreber. Ph.D. thesis, State Univ. New York at Albany. pp. 1-103, 1971. (Abstract in Dissertation Abst Int (B) 33(6):2489, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-31,795.)

Petter-Rousseaux A (Lab. Écologie, Museum d'Histoire Naturelle, 91800 Brunoy, France) [Application of semestrial photoperiodism to Microcebus murinus (Miller, 1777)]. Ann Biol Anim Biochim Biophys 12(3):367-375, 1972 (Fre)

Saito T, Honma M, Maekawa K (Dept. Biology, Kyorin Univ., Japan) (Sexual cyclicity in ovariectomized rats bearing subcutaneous ovarian transplants. I. Recovery of cyclicity by periodic administration of progesterone, reserpine and chlorpromazine) Zool Mag (Tokyo) 81(3):201-210, 1972 (Jap). (English abstract.)

Saskena DN, Bhargava HN (Dept. Zoology, Univ. Saugar, Saugor, M.P., India) The corpora atretica, post-ovulatory follicles and spawning periodicity of Indian fresh-water goby, Glossogobius giuris (Ham.). Zool. Jhrab Abt Anat Ontogen Tier 89(4):611-620, 1972.

Saksena SK, Harper MJK (Harper: W.H.O., Human Reproduction Unit, 1211 Geneva 27, Switzerland) Levels of F prostaglandin (PGF) in uterine tissue during the estrous cycle of hamster: effects of estradiol and progesterone. Prostaglandins 2(5):405-411, 1972. Estrous cycle variations in hamster uterine PGF values are presented and contrasted with previously evaluated uterine vein levels.

Simpson KB, May D (Rowett Research Inst., Bucksburn, Aberdeen AB2 9SB, Scotland) Some effects of the oestrous cycle in the female rat. J Inst Anim Techn 24(1):25-29, 1973.

Smith MS Serum levels of luteinizing hormone and progesterone during the estrous cycle, pregnancy and pseudopregnancy in the dog. Ph.D. thesis, Univ. Georgia. pp. 1-148, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3273, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-34,149.)

Soliman KFA A study on the ovulation cycle of the female fowl. Ph.D. thesis, Univ. Georgia. pp. 1-99, 1972. (Abstract in Dissertation Abst Int (B) 33(9):4477, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-5789.)

Stenn PG, Klinge V (Lafayette Clinic, 951 E. Lafayette, Detroit, MI 48207) Relationship between the menstrual cycle and bodily activity in humans. Horm Behav 3(4):297-305, 1972.

ter Haar MB (Dept. Human Anatomy, Oxford Univ., Oxford OX1 3QX, England) Circadian and estrual rhythms in food intake in the rat. Horm Behav 3(3):213-219, 1972.

(13) Sex Behavior and Social Influences

Ahlenius S, Engel J, Ericksson H, Modigh K, Södersten P (Dept. Psychology, Banehagsgatan 1, Uppg. 6, S-414 51 Göteborg, Sweden) Importance of central catecholamines in the mediation of lordosis behaviour in ovariectomized rats treated with estrogen and inhibitors of monoaminesynthesis. J Neural Transm 33(4):247-255, 1972.

Barfield RJ, Busch DE, Wallen K (Dept. Biology, Livingston College, Rutgers Univ., New Brunswick, NJ 08903) Gonadal influence on agonistic behavior in the male domestic rat. Horm Behav 3(3):247-259, 1972.

Carter CS (Illinois Dept. Mental Health, Champaign, IL 61820) Postcopulatory sexual receptivity in the female hamster: the role of the ovary and adrenal. Horm Behav 3(3):261-265, 1972.

Ehrhardt AA (Dept. Pediatrics, Children's Hospital, State Univ. New York at Buffalo, Buffalo, NY) Maternalism in fetal hormonal and related syndromes. In: Contemporary Sexual Behavior: Critical Issues in the 1970s, ed. by J. Zubin and J. Money. Baltimore, Johns Hopkins Univ. Press. pp. 99-115, 1973.

Fairall N (Dept. Nature Conservation, Cape Provincial Administration, Cape Town, South Africa) Behavioural aspects of the reproductive physiology of the impala, Aepyceros melampus (Licht.). Zool Afr 7(1):167-174, 1972.

Gerall AA (Tulane Univ., New Orleans, LA) Influence of perinatal androgen on reproductive capacity. In: Contemporary Sexual Behavior: Critical Issues in the 1970s, ed. by J. Zubin and J. Money. Baltimore, Johns Hopkins Univ. Press. pp. 1-15, 1973.

Goldfoot DA (Regional Primate Center, Univ. Wisconsin, Madison, WI 53706) Hormonal and social determinants of sexual behavior in the pigtail monkey (Macaca nemestrina). In: Normal and Abnormal Development of Brain and Behaviour, ed. by G.B.A. Stoelinga and J.J. Van Der Werff Ten Bosch. Baltimore, MD, Williams and Wilkins. pp. 325-342, 1971.

Johnston P, Davidson JM (Dept. Physiology, Stanford Univ. School Medicine, Stanford, CA 94305) Intracerebral androgens and sexual behavior in the male rat. Horm Behav 3(4):345-357, 1972.

Kopera H (Dept. Pharmacology, Univ. Graz, Graz, Austria) Estrogens and psychic functions. Frontiers Horm Res 2:118-133, 1973.

Laschet U (Pfälzische Nervenklinik, Landeck, W. Germany) Antiandrogen in the treatment of sex offenders: mode of action and therapeutic outcome. In: Contemporary Sexual Behavior: Critical Issues in the 1970s, ed. by J. Zubin and J. Money. Baltimore, Johns Hopkins Univ. Press. pp. 311-319, 1973.

Long PK The effects of hypophysectomy on the aggressive behavior in male white mice. Ph.D. thesis, Univ. Wyoming. pp. 1-93, 1970. (Abstract in Dissertation Abst Int (B) 33(6):2862, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-31,928.)

Lubin M, Leon M, Moltz H, Numan M (Dept. Psychology, Univ. Chicago, Chicago, IL 60637) Hormones and maternal behavior in the male rat. Horm Behav 3(4):369-374, 1972.

Lumia AR, Rieder CA, Reynierse JH (Dept. Psychology, Skidmore College, Saratoga Springs, NY 12866) The differential effects of reinforcement and testosterone on aggressive responding in pigeons: species typical and aversive aspects of pigeon aggression. Bull Psychonom Sci 1(3): 165-166, 1973.

Lumia AR (Dept. Psychology, Skidmore College, Saratoga Springs, NY 12866) The relationships among testosterone, conditioned aggression, and dominance in male pigeons. Horm Behav 3(3):277-286, 1972.

Lydell K, Doty RL (Dept. Psychology, San Francisco State College, San Francisco, CA 94132) Male rat odor preferences for female urine as a function of sexual experience, urine age, and urine source. Horm Behav 3(3):205-212, 1972.

Money J (Dept. Psychiatry, Johns Hopkins Univ., Baltimore, Md) Effects of prenatal androgenization and deandrogenization on behavior in human beings. In Frontiers in Neuroendocrinology, 1973, ed. by W.F. Ganong and L. Martini. New York, Oxford University Press. pp. 249-266, 1973.

Noble R (Wisconsin Regional Primate Research Center, 1223 Capitol Court, Madison, WI 53706) The effects of estrogen and progesterone on copulation in female quail (Coturnix coturnix japonica) housed in continuous dark. Horm Behav 3(3):199-204, 1972.

Peters PJ Androgen and the development of aggression in mice. Ph.D. thesis, Univ. Texas at Austin. pp. 1-87, 1972. (Abstract in Dissertation Abst Int (B) 33(7):3389-3390, 1973. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-498.)

Quadagno DM, McCullough J, Langan R (Dept. Physiology and Cell Biology, Univ. Kansas, Lawrence, KS 66044) The effect of varying amounts of exogenous estradiol benzoate on estrous behavior in the rat. Horm Behav 3(3):175-179, 1972.

Södersten P (Dept. Psychology, Univ. Göteborg, Göteborg, Sweden) Mounting behavior in the female rat during the estrous cycle, after ovariectomy, and after estrogen or testosterone administration. Horm Behav 3(4): 307-320, 1972.

Södersten P, Ahlenius S (Dept. Psychology, Univ. Göteborg, Göteborg, Sweden) Female lordosis behavior in estrogen-primed male rats treated with p-chlorophenylalanine or alpha-methyl-p-tyrosine. Horm Behav 3(3):181-189, 1972.

Whalen RE, Gorzalka (Dept. Psychobiology, Univ. California, Irvine, CA 92664) The effects of progesterone and its metabolites on the induction of sexual receptivity in rats. Horm Behav 3(3):181-189, 1972.

(14) Sex Differentiation and Development

Menhard RH Studies on cytochrome P-450 in mammalian and avian testes. Ph.D. thesis, Univ. Rhode Island. pp. 1-134, 1972. (Abstract in Dissertation Abst Int (B) 33(8):3460-3461, 1973. Copies available with fee from Xerox Univ. Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-4218.)

Minkina AI, Blushtein SY (Inst. Obstetrics & Pediatrics, Ministry of Health of RSFSR, Rostov-on-Don, USSR) (FSH-releasing factor of hypothalamic area in human and cattle foetuses) Ontogenez 4(1): 54-58, 1973 (Rus). (English summary.)

Neumann F, Steinbeck H (Dept. Endocrine Pharmacology, Schering AG, Berlin, West Germany) Influence of sexual hormones on the differentiation of neural centers. Arch Sex Behav 2(2):147-162, 1972.

Odell WD, Swerdloff RS, Wollesen F, Grover PK (Div. Endocrinology, Harbor General Hospital, Torrance, CA) The effect of sexual maturation on testicular sensitivity to LH stimulation. Clin Res 21(2):203, 1973. (Abstract only.)

Onitake K (Biological Inst., Faculty of Science, Nagoya Univ., Nagoya 464, Japan) Morphological studies of normal sex-differentiation and induced sex-reversal process of gonads in the medaka, Oryzias latipes Annotat Zool Jap 45(3):159-169, 1972.

Riera GS Naturally occurring and hormone induced puberty and related phenomena in ewes. Ph.D. thesis, Utah State Univ. pp. 1-164, 1972. (Abstract in Dissertation Abst Int (B) 33(10):4985-4986, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-912.)

Roth JC, Kaplan SL, Grumbach MM (Grumbach: Dept. Pediatrics, Univ. California San Francisco, San Francisco, CA) Increased LH and testosterone response to luteinizing hormone releasing factor (LRF) at puberty. Clin Res 21(2):291, 1973. (Abstract only.)

Sheridan PJ Hormonal regulation of sexual differentiation of the brain. Ph.D. thesis, Univ. Connecticut. pp. 1-133, 1972. (Abstract in Dissertation Abst Int (B) 33(6):2492, 1972. Copies available with fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 72-32,253.)

(1) General and Review Articles, and Books

(2) Theory and Models

(3) Electrophysiological Studies

(4) Neurochemical Studies

Korányi L (Inst. Physiology, Univ. Medical School, Pecs, Hungary) Neurophysiological and behavioural correlates of the effect of pituitary-adrenocortical hormones. Recent Dev Neurobiol Hung 4:53-1973.

Wenzel BM (Dept. Physiology and Brain Research Inst., UCLA School of Medicine, Los Angeles, CA 90024) Effects of drugs on the behaviour of immunosympathectomized mice. In: Nerve Growth Factor and Its Antiserum, ed. by E. Zaimis and J. Knight. Univ. London, Athlone, 1972. pp. 208-222.

(5) Pharmacological Studies

Dempsey GL, Kastin AJ, Schally AV (Kastin: Endocrinology Section of th Medical Service, VA Hospital, New Orleans, LA 70146) The effects of MSH on a restricted passive avoidance response. Horm Behav 3(4): 333-337, 1972.

Lumia AR, Rieder CA, Reynierse JH The differential effects of reinforce ment and testosterone on aggressive responding in pigeons: species typical and aversive aspects of pigeon aggression. Bull Psychonom Soc 1(3):165-166, 1973.

Nockton R, Kastin AJ, Elder ST, Schally AV (Endocrinology Section, VA Hospital, New Orleans, LA 70146) Passive and active avoidance responses at two levels of shock after administration of melanocyte-stimulating hormone. Horm Behav 3(4):339-344, 1972.

Osborne RH, Kerkut GA (Dept. Physiology, Southampton Univ., Southampton England) Inhibition of noradrenaline biosynthesis and its effects on learning in rats. Comp Gen Pharmacol 3(11):359-362, 1972.

Stein L, Wise CD, Berger BD Antianxiety action of benzodiazepines: decrease in activity of serotonin neurons in the punishment system. In: The Benzodiazepines, ed. by S. Garattini, E. Mussini and L.O. Randall. New York, Raven Press, 1973. pp. 299-326.

(6) Neurophysiological Studies

(7) Environmental Studies

(8) Neural Memory

(1) Books, Reviews and Theoretical Discussions

tmann E (Sleep & Dream Lab., Tufts Univ. School of Medicine, Boston State Hospital, Boston, MA 02124) Functions of sleep. In: The Nature of Sleep, ed. by U.J. Javanović. Stuttgart, Fischer, 1973. pp. 238-252.

(2) Neurophysiology - General

ányi L (Inst. Physiology, Univ. Medical School, Pécs, Hungary) Neurophysiological and behavioural correlates of the effect of pituitary-adrenocortical hormones. Recent Dev Neurobiol Hung 4:53-74, 1973.

(3) Neurophysiology of the Visual System

achon MA, Jalfre M, Haefely W (Dept. Experimental Medicine, F. Hoffmann-La Roche, Basel Switzerland) A modulating effect of chlordiazepoxide on drug-induced PGO spikes in the cat. In: The Benzodiazepines, ed. by S. Garattini, E. Mussini and L.O. Randall. New York, Raven Press, 1973. pp. 513-529.

(4) Physiology (Autonomic, Metabolic, Motor)

(5) Biochemistry, Pharmacology

mblin MH Melatonin: an assessment of a possible role in the induction and maintenance of sleep in the normal and parachlorophenylalanine treated cat. Ph.D. thesis, Univ. Kentucky, 1972. 133 pp. (Abstract in Dissertation Abst Int (B) 33(9):4535, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-7335.)

tmann E (Sleep & Dream Lab., Tufts Univ. School of Medicine, Boston State Hospital, Boston, MA 02124) Effects on sleep patterns of altering brain catecholamine levels. In: The Nature of Sleep, ed. by U.J. Jovanović. Stuttgart, Fischer, 1973. pp. 282-285.

lla W, ed. (CIBA-Geigy, CH-4002 Basel, Switzerland) The biochemistry of sleep. In: The Sleeping Brain, ed. by M.H. Chase. Los Angeles, Brain Information Service/Brain Research Institute, 1972. pp. 145-191.

ssman A, Harbert CA (Pfizer, Inc., Groton, CT 06340) Recent developments relating serotonin and behavior. Annu Rep Med Chem 7:47-58, 1972.

(5A) Endocrinology

Gotlin RW, Moe PG, Mace JW (Dept. Pediatrics, Univ. Colorado Medical Center, Denver, CO) Sleep-related and arginine-provoked growth hormone (GH) release in hypothyroid children. Clin Res 21(2):290, 1973.

Parker DC, Rossman LG (Scripps Clinic, LaJolla, CA) Human prolactin's (hPRL) sleep-related nychthemeral variation. Clin Res 21(2):203, 1973.

Tchobroutsky G (Hôtel-Dieu, 75-Paris 4, France) (Secretion of growth hormone in man) Sécrétion de l'hormone de croissance chez l'homme. Actual Physiol Pathol 4:267-284, 1973 (Fre)

(6) Ontogeny

Casaer P, Akiyama Y (Dept. Developmental Neurology, Univ. Hospital, Groningen, The Netherlands) Neurological criteria for the estimation of the post-menstrual age of newborn infants. In: Normal and Abnormal Development of Brain and Behaviour, ed. by G.B.A. Stoelinga and J.J. Van der Werff ten Bosch. Baltimore, Williams & Wilkins, 1971. pp. 148-175.

(7) Phylogeny

(8) Behavior (Conditioning, Performance, Discrimination)

Froberg J, Karlsson CG, Levi L, Lidberg L (Lab. for Clinical Stress Research, Karolinska Sjukhuset, Stockholm 60, Sweden) Circadian variations in performance, psychological ratings, catecholamine excretion and urine flow during prolonged sleep deprivation. In: Aspects of Human Efficiency; Diurnal Rhythm and Loss of Sleep, ed. by W.P. Colquhoun. London, The English Universities Press, 1972. pp. 247-260.

Johnson L, Naitoh P, Lubin A, Moses J (Neuropsychiatric Research, Bldg. 36-4W, Naval Hospital, San Diego, CA 92134) Sleep stages and performance. In: Aspects of Human Efficiency; Diurnal Rhythm and Loss of Sleep, ed. by W.P. Colquhoun. London, The English Universities Press, 1972. pp. 81-99.

(9) Sleep Cycle in the Human Adult

(10) Dreaming (Physiology and Behavior)

(11) Special Features of Dream Recall

(12) Effects of External Stimuli

(13) Patterns of Dream Content

(14) Hypnosis

(15) Personality and Psychopathology

(16) Pathology and Disorders Associated with Sleep

(17) Sleep Deprivation (Total and Selective)

(18) Electrosleep

Balabanova IA (Sverdlovsk, USSR) Electrosleep in the treatment of hypothalamic disorders. IESA Information no. 16: 37-42, 1972.

(19) Instrumentation and Methodology

(20) Biological Rhythms and Altered Environments

Lungu AL, Samuel I, Nicolau G, Cruceanu A (Inst. Endocrinology, Academy of Medical Sciences, 34, bd. Aviatorilor, Bucharest, Rumania) Circadian rhythms of ribonucleic acid (RNA) concentration in rat adrenals. Rev Roum Endocrinol 9(4): 229-232, 1972.

Weitzman ED, ed. (Div. Neurology, Montefiore Hospital, Bronx, NY 10467) Periodicity in sleep and waking states. In: The Sleeping Brain, ed. by M.H. Chase. Los Angeles, Brain Information Service/Brain Research Institute, 1972. pp. 193-238.

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

Cyclic AMP. Kaplan SA.
Am J Dis Child 125:646-7, May 73
An isotopic assay of cyclic 3',5'-nucleotide phosphodiesterase with aluminum oxide columns. Filburn CR, et al. Anal Biochem 52:505-16, Apr 73
Cyclic AMP phosphodiesterase activity at the external surface of intact skeletal muscles and stimulation of the enzyme by insulin. Woo YT, et al.
Arch Biochem Biophys 154:510-9, Feb 73
Kinetic and electrophoretic abnormality of cyclic AMP phosphodiesterase in genetically obese mouse adipocytes. Kaplan JC, et al.
Biochem Biophys Res Commun 51:1008-14, 16 Apr 73
Adenosine 3',5'-cyclic monophosphate phosphodiesterase in guinea-pig lung--properties and effect of adrenergic drugs. Hitchcock M.
Biochem Pharmacol 22:959-69, 15 Apr 73
Effect of insulin and growth hormone on rat liver cyclic nucleotide phosphodiesterase. Thompson WJ, et al.
Biochemistry 12:1889-94, 8 May 73
Bilayer lipid membrane as a model for vasopressin, prostaglandin and Ca 2+ effects on water permeability. Graziani Y, et al.
Biochim Biophys Acta 291:612-20, 16 Feb 73
Adenosine 3',5'-monophosphate-dependent protein kinase of bovine tracheal smooth muscle. Sands H, et al. Biochim Biophys Acta 302:267-81, 12 Apr 73
Partial prufication and properties of the cyclic AMP and the cyclic GMP phosphodiesterases of bovine liver. Schröder J, et al.
Biochim Biophys Acta 302:50-63, 15 Mar 73
The subunit structure of rabbit-skeletal-muscle phosphorylase kinase, and the molecular basis of its activation reactions. Cohen P.
Eur J Biochem 34:1-14, 2 Apr 73
A proton magnetic resonance study of the conformations of 3',5'-cyclic nucleotides. Blackburn BJ, et al. J Am Chem Soc 95:2873-8, 2 May 73
A 13 C and 1 H nuclear magnetic resonance study of the conformations of 2',3'-cyclic nucleotides. Lapper RD, et al. J Am Chem Soc 95:2878-80, 2 May 73
Regulation of adenosine 3',5'-monophosphate-dependent protein kinase. I. Preliminary characterization of the adipose tissue enzyme in crude extracts. Corbin JD, et al.
J Biol Chem 248:1813-21, 10 Mar 73
Protein kinase modulator from lobster tail muscle. II. Effects of the modulator on holoenzyme and catalytic subunit of guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases. Donnelly TE Jr, et al.
J Biol Chem 248:199-203, 10 Jan 73
Protein kinase modulator from lobster tail muscle. I. Stimulatory and inhibitory effects of the modulator on the phosphorylation of substrate proteins by guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases. Donnelly TE Jr, et al.
J Biol Chem 248:190-8, 10 Jan 73
Dissociation and activation of adenosine 3',5'-monophosphate-dependent and guanosine 3',5'-monophosphate-dependent protein kinases by cyclic nucleotides and by substrate proteins. Miyamoto E, et al. J Biol Chem 248:179-89, 10 Jan 73
The endometrial adenosine cyclic 3':5'-monophosphate-dependent protein kinase. Distribution, subunit structure, and kinetics of adenosine cyclic 3':5'-monophosphate binding. Sanborn BM, et al. J Biol Chem 248:3593-600, 25 May 73
Adenosine 3',5'-monophosphate in glial tumor cells. Alterations by 5-bromodeoxyuridine. Schwartz JP, et al. J Biol Chem 248:2699-704, 25 Apr 73
Regulation of adenosine 3',5'-monophosphate-dependent protein kinase. II. Hormonal regulation of the adipose tissue enzyme. Soderling TR, et al. J Biol Chem 248:1822-9, 10 Mar 73
Evidence for delayed development of the glucagon receptor of adenylate cyclase in the fetal and neonatal rat heart. Clark CM Jr, et al.
J Clin Invest 52:1018-25, May 73
Lipolysis and reesterification: effects of some inhibitors of adenosine 3',5'-cyclic monophosphate phosphodiesterase. Kuplecki FP.
J Lipid Res 14:250-4, Mar 73
Lipid composition of Quaking mouse myelin: comparison with normal mouse myelin in the adult and during development. Baumann N, et al.
J Neurochem 20:753-9, Mar 73
3',5'-cyclic AMP phosphodiesterases in cytosol of uterine smooth muscle; effects of angiotensin. Angles d'Auriac G, et al. Life Sci [II] 12:233-9, 8 Mar 73
Synthesis of the arabinose operon regulator protein in a cell-free system. Yang HL, et al.
Mol Gen Genet 122:131-6, 12 Apr 73
Stimulation of division of density inhibited fibroblasts by glucocorticoids. Thrash CR, et al.
Nature 242:399-401, 6 Apr 73
A comparison of the antilipolytic effects of nicotinic acid, methylisoxazole carboxylic acid, methylpyrazole carboxylic acid and insulin in isolated fat cells. Mengel K, et al. Pharmacology 8:280-90, 1972
Cyclic AMP phosphodiesterase in cloned astrocytoma cells: norepinephrine induces a specific enzyme form. Uzunov P, et al. Science 180:304-6, 20 Apr 73
[Cyclic AMP] Dress D. Infirm Fr 143:31-4, Mar 73 (Fre)

ADMINISTRATION & DOSAGE

Adenosine 3',5'--cyclic monophosphate dependent protein kinase and phosphoprotein phosphatase activities in rat islets of Langerhans. Dods RF, et al.
Biochem Biophys Res Commun 51:421-7, 17 Mar 73
Production of cholinesterase by Pseudomonas aeruginosa, its regulation by glucose and cyclic AMP and inhibition by antiserum. Gilboa-Garber N, et al.
Biochim Biophys Acta 297:120-4, 24 Jan 73
Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. Endocrinology 92:679-86, Mar 73
Study of phosphodiesterase inhibitors on lipolysis, phosphodiesterase activity and cyclic 3',5'-adenosine monophosphate levels in isolated fat cells. Allen DO, et al. J Pharmacol Exp Ther 185:379-85, May 73
Cyclic adenosine monophosphate antagonism of morphine analgesia. Ho IK, et al.
J Pharmacol Exp Ther 185:336-46, May 73
Effects of cyclic 3',5'-adenosine monophosphate on morphine tolerance and physical dependence. Ho IK, et al. J Pharmacol Exp Ther 185:347-57, May 73
Effect of intravenous dibutyryl cyclic AMP on histamine-induced bronchospasm in the guinea pig. Ross W, et al.
Res Commun Chem Pathol Pharmacol 5:817-26, May 73
Sex-dependent effects of cyclic AMP on the hepatic

mixed function oxidase system. Ross WE, et al. **Res Commun Chem Pathol Pharmacol 5:319-32, Mar 73**

ANALYSIS

Cyclic AMP. Kaplan SA. **Am J Dis Child 125:646-7, May 73**

The effect of starvation on tissue adenosine 3'-5' monophosphate levels. Selawry H, et al. **Biochem Biophys Res Commun 51:198-204, 5 Mar 73**

Cyclic AMP levels in various tissues of the domestic fowl (Gallus domesticus) as affected by glucagon, epinephrine and insulin. Frohlich AA, et al. **Biochim Biophys Acta 286:396-405, 29 Dec 72**

Cyclic AMP of blood platelets: accumulation in organelles storing 5-hydroxytryptamine and ATP. Prada M da, et al. **Experientia 28:845-6, 15 Jul 72**

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al. **FEBS Lett 30:253-60, 15 Mar 73**

Saccharomyces mutants with invertase formation resistant to repression by hexoses. Montenecourt BS, et al. **J Bacteriol 114:233-8, Apr 73**

Cyclic adenosine monophosphate in phagocytizing granulocytes and alveolar macrophages. Seyberth HW, et al. **J Cell Biol 57:567-71, May 73**

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al. **J Endocrinol 56:471-81, Mar 73**

Development and characteristics of the histamine-induced accumulation of cyclic AMP in the rabbit cerebral cortex. Palmer GC, et al. **J Neurochem 19:2251-6, Oct 72**

Characterization of the adrenergic receptors mediating a rise in cyclic 3'-5'-adenosine monophosphate in rat cerebral cortex. Perkins JP, et al. **J Pharmacol Exp Ther 185:371-8, May 73**

Growth control and cyclic alterations of cyclic AMP in the cell cycle. Burger MM, et al. **Nature [New Biol] 239:161-3, 11 Oct 72**

Cyclic AMP and growth of fibroblasts: effect of environmental pH. D'Armiento M, et al. **Nature [New Biol] 242:78-80, 21 Mar 73**

Levels of cyclic AMP in sparse and dense cultures of growing and quiescent 3T3 cells. Seifert W, et al. **Nature [New Biol] 240:281-3, 27 Dec 72**

The effects of prostaglandin E 1 on erythropoietin production. Paulo LG, et al. **Proc Soc Exp Biol Med 142:771-5, Mar 73**

Radioimmunoassay of prostaglandins, angiotensin, digoxin, morphine and adenosine-3',5'-cyclic-monophosphate with nitrocellulose membranes. Gershman H, et al. **Prostaglandins 1:407-23, May 72**

Octopamine-sensitive adenylate cyclse: evidence for a biological role of octopamine in nervous tissue. Nathanson JA, et al. **Science 180:308-10, 20 Apr 73**

[Histamine and the stomach secretion in the rat. Adenosine-3',5'-monophosphate as "second messenger"] Domschke W, et al. **Naturwissenschaften 59:521, Nov 72 (Ger)**

ANTAGONISTS & INHIBITORS

Inhibitor of adenosine 3',5'-monophosphate binding and protein kinase activity in leucocyte lysosomes. Tsung PK, et al. **Biochem Biophys Res Commun 51:836-42, 16 Apr 73**

Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. **Endocrinology 92:743-9, Mar 73**

BIOSYNTHESIS

Cyclic AMP. Kaplan SA. **Am J Dis Child 125:646-7, May 73**

Purine ribonucleotide biosynthesis, interconversion and catabolism in mouse brain in vitro. Wong PC, et al. **Biochem J 129:1085-94, Oct 72**

Testosterone-stimulation of adenyl cyclase and cyclic 3',5'-adnosine monophosphate- 3 H formation in rat seminal vesicles. Thomas JA, et al. **Biochem Pharmacol 22:507-11, 15 Feb 73**

Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles. Marsh JM, et al. **Biochim Biophys Acta 304:197-202, 30 Mar 73**

Beta-blockade of epinephrine-induced cyclic AMP formation in heart, liver, fat and trachea. Murad F. **Biochim Biophys Acta 304:181-7, 30 Mar 73**

Conformational and biological properties of partial sequences of glucagon. Epand RM, et al. **Can J Physiol Pharmacol 51:243-8, Apr 73**

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. **Cancer Res 33:843-8, Apr 73**

Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. Kuo WN, et al. **J Biol Chem 248:2705-11, 25 Apr 73**

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al. **J Biol Chem 248:2409-17, 10 Apr 73**

Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al. **J Clin Endocrinol Metab 36:1009-18, May 73**

Evidence for stimulation of renal gluconeogenesis by catecholamines. Kurokawa K, et al. **J Clin Invest 52:961-4, Apr 73**

Characterization of the adrenergic receptors mediating a rise in cyclic 3'-5'-adenosine monophosphate in rat cerebral cortex. Perkins JP, et al. **J Pharmacol Exp Ther 185:371-8, May 73**

Cholera enterotoxin: failure of anti-inflammatory agents to prevent cyclic AMP accumulation. Bourne HR. **Nature 241:399, 9 Feb 73**

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. **Prostaglandins 1:345-63, May 72**

In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. **Trans Assoc Am Physicians 85:309-16, 1972**

[Growth regulation of hematopoiesis and humoral control of cell division] Paukovits WR. **Wien Klin Wochenschr 85:Suppl 8:1-12, 1973 (Eng. Abstr.) (Ger)**

[The prostaglandins] Cierniewski C. **Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)**

BLOOD

Cyclic AMP levels in various tissues of the domestic fowl (Gallus domesticus) as affected by glucagon, epinephrine and insulin. Frohlich AA, et al. **Biochim Biophys Acta 286:396-405, 29 Dec 72**

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al. **Endocrinology 92:1502-6, May 73**

Study on plasma cyclic nucleotide concentrations in fasting rats. Turinsky J. **Proc Soc Exp Biol Med 142:1189-91, Apr 73**

Prostaglandin E2: effects on aggregation, shape change and cyclic AMP of rat platelets. Shio H, et al. **Prostaglandins 1:29-36, Jan 72**

ISOLATION & PURIFICATION

Cyclic adenosine monophosphate in phagocytizing granulocytes and alveolar macrophages. Seyberth HW, et al. **J Cell Biol 57:567-71, May 73**

Characterization of the adrenergic receptors mediating a rise in cyclic 3'-5'-adenosine monophosphate in rat cerebral cortex. Perkins JP, et al. **J Pharmacol Exp Ther 185:371-8, May 73**

METABOLISM

Relationship between cyclic AMP, phosphodiesterase activity, calcium and contraction in intestinal smooth muscle. Andersson RG. **Acta Physiol Scand 87:348-58, Mar 73**

Effects of halothane on the cyclic 3',5'-adenosine monophosphate (cyclic AMP) system in rat uterine muscle. Yang JC, et al. **Anesthesiology 38:244-50, Mar 73**

Glycogen metabolism during differentiation in Dictyostelium discoideum. Wright BE, et al. **Ann NY Acad Sci 210:51-63, 9 Feb 73 (18 ref.)**

Effect of chlorophenoxyisobutyric acid (CPIB) on fat-mobilizing lipolysis and cyclic AMP levels in rat epididymal fat. Carlson LA, et al. **Atherosclerosis 16:349-57, Nov-Dec 72**

On the regulation of cyclic 3',5' adenosine

monophosphate levels in bacteria. Stimulation of adenyl cyclase activity in vitro by glucose in a mutant of E. coli B-r. Abou-Sabé M, et al.
Biochem Biophys Res Commun 51:551-7, 2 Apr 73

Adenosine 3',5'--cyclic monophosphate dependent protein kinase and phosphoprotein phosphatase activities in rat islets of Langerhans. Dods RF, et al.
Biochem Biophys Res Commun 51:421-7, 17 Mar 73

The effect of starvation on tissue adenosine 3'-5' monophosphate levels. Selawry H, et al.
Biochem Biophys Res Commun 51:198-204, 5 Mar 73

Inhibitor of adenosine 3',5'-monophosphate binding and protein kinase activity in leucocyte lysosomes. Tsung PK, et al.
Biochem Biophys Res Commun 51:836-42, 16 Apr 73

Effect of histamine of lipolysis and adenosine 3',5'-monophosphate levels in canine adipose tissue. Grund VR, et al.
Biochem Pharmacol 22:769-72, 15 Mar 73

Effects of sodium salicylate and acetylsalicylic acid on the lipolytic system of fat cells. Schönhöfer PS, et al.
Biochem Pharmacol 22:629-37, 1 Mar 73

Control of cyclic AMP levels in isolated fat cells from hamsters. Hittelman KJ, et al.
Biochim Biophys Acta 304:188-96, 30 Mar 73

Effects of catecholamines on ammoniagenesis and gluconeogenesis by renal cortex in vitro. Klahr S, et al. **Biochim Biophys Acta** 304:161-8, 30 Mar 73

Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte. Woodin AM.
Biochim Biophys Acta 286:406-15, 29 Dec 72

Accumulation of adenosine 3',5'-monophosphate induced by catecholamines in the rat superior cervical ganglion in vitro. Cramer H, et al.
Brain Res 53:97-104, 13 Apr 73

Phagocytosis by alveolar macrophages: pharmacologic features. Gee JB, et al. **Chest** 63:Suppl:20S-21S, Apr 73

In vivo and in vitro studies on alpha-receptors in human airways; potentiation with bacterial endotoxins. Simonsson BG, et al. **Chest** 63:Suppl:3S-4S, Apr 73

Cyclic adenosine monophosphate and cardiac contractility. Sobel BE, et al.
Circ Res 32:407-14, Apr 73 (58 ref.)

Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Peck WA, et al.
Endocrinology 92:692-7, Mar 73

Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat. Peytremann A, et al.
Endocrinology 92:1502-6, May 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al.
Endocrinology 92:1349-53, May 73

Some inhibitors of the effect of cholera toxin on HeLa cells. Davies J, et al. **Exp Mol Pathol** 18:1-9, Feb 73

Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review. Whitfield JF, et al. **In Vitro** 8:257-78, Jan-Feb 73 (80 ref.)

A multistage transduction model for information processing in the nervous system. Shashoua VE.
Int J Neurosci 3:299-304, Jun 72

Potassium release mediated by the epinephrine -receptor in rat parotid slices. Properties and relation to enzyme secretion. Batzri S, et al.
J Biol Chem 248:361-8, 10 Jan 73

Mechanism of control of hepatic glycogenesis by insulin. Miller TB Jr, et al.
J Biol Chem 248:3483-8, 25 May 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al.
J Biol Chem 248:3409-17, 10 Apr 73

The endometrial adenosine cyclic 3':5'-monophosphate-dependent protein kinase. Distribution, subunit structure, and kinetics of adenosine cyclic 3':5'-monophosphate binding. Sanhorn BM, et al. **J Biol Chem** 248:3593-600, 25 May 73

Adenosine 3',5'-monophosphate in glial tumor cells. Alterations by 5-bromodeoxyuridine. Schwartz JP, et al. **J Biol Chem** 248:2699-704, 25 Apr 73

Regulation of adenosine 3',5'-monophosphate-dependent protein kinase. II. Hormonal regulation of the adipose tissue enzyme. Soderling TR, et al. **J Biol Chem** 248:1822-9, 10 Mar 73

Stimulation of steroid secretion by antimicrotubular agents. Temple R, et al.
J Biol Chem 248:2691-8, 25 Apr 73

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onsya T, et al.
J Clin Endocrinol Metab 36:859-66, May 73

Specific biologic effects of intestinal glucagon-like materials. Gutman RA, et al.
J Clin Invest 52:1165-75, May 73

Effects of cycloheximide on the response of intestinal mucosa to cholera enterotoxin. Kimberg DV, et al.
J Clin Invest 52:1376-83, Jun 73

Alterations in cyclic AMP metabolism in human bronchial asthma. II. Leukocyte and lymphocyte responses to prostaglandins. Parker CW, et al.
J Clin Invest 52:1336-41, Jun 73

Alterations in cyclic AMP metabolism in human bronchial asthma. 3. Leukocyte and lymphocyte responses to steroids. Parker CW, et al.
J Clin Invest 52:1342-8, Jun 73

Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. Peytremann A, et al.
J Clin Invest 52:835-42, Apr 73

Specific leukocyte receptors for small endogenous hormones. Detection by cell binding to insoluhilized hormone preparations. Weinstein Y, et al.
J Clin Invest 52:1349-61, Jun 73

A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. Horrell E, et al.
J Endocrinol 55:205-6, Oct 72

Regulation of the permeability to water in toad urinary bladder: the effect of copper. Parisi M, et al.
J Endocrinol 55:1-9, Oct 72

The effect of Bordetella pertussis on lymphocyte cyclic AMP metabolism. Parker CW, et al.
J Exp Med 137:1078-90, 1 Apr 73

Cyclic adenosine 3',5'-monophosphate in the control of melanoma cell replication and differentiation. Kreider JW, et al. **J Natl Cancer Inst** 50:555-8, Feb 73

Development and characteristics of the histamine-induced accumulation of cyclic AMP in the rabbit cerebral cortex. Palmer GC, et al.
J Neurochem 19:2251-6, Oct 72

An ATP pool associated with adenyl cyclase of brain tissue. Shimizu H, et al.
J Neurochem 20:1279-83, Apr 73

Study of phosphodiesterase inhibitors on lipolysis, phosphodiesterase activity and cyclic 3',5'-adenosine monophosphate levels in isolated fat cells. Allen DO, et al. **J Pharmacol Exp Ther** 185:379-85, May 73

Characterization of the adrenergic receptors mediating a rise in cyclic 3'-5'-adenosine monophosphate in rat cerebral cortex. Perkins JP, et al.
J Pharmacol Exp Ther 185:371-8, May 73

Relationship of cyclic AMP to secretin stimulation of the pancreas. Tompkins RK, et al.
J Surg Res 14:172-6, Feb 73

Cyclic-AMP binding sites on the cell surface of thymic lymphocytes. MacManus JP, et al.
Life Sci [II] 11:837-45, 8 Sep 72

Cyclic AMP and its binding protein in the stimulated thyroid of the rat. Zakarija M, et al.
Life Sci [II] 12:225-31, 8 Mar 73

Isolated hormone receptors: physiologic and clinical implications. Lefkowitz RJ.
N Engl J Med 288:1061-6, 17 May 73 (50 ref.)

Phosphodiesterase in tongue epithelium: activation by bitter taste stimuli. Price S. **Nature** 241:54-5, 5 Jan 73

Cyclic AMP and growth of fibroblasts: effect of environmental pH. D'Armiento M, et al.
Nature [New Biol] 242:78-80, 21 Mar 73

Effect of Rho on transcription of bacterial operons. De Crombrugghe B, et al.
Nature [New Biol] 241:260-4, 28 Feb 73

Effect of human calcitonin on the sarcoplasmic reticulum of the human heart. Hakim A.
Naturwissenschaften 60:53, Jan 73

Effects of neurohumoral and adrenergic agents on cyclic AMP levels in various areas of the rat brain in vitro. Palmer GC, et al.
Neuropharmacology 12:327-37, Apr 73

Biochemical aspects of drug and hormone action on adipose tissue. Fain JN.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)

Parasympathetic control of the heart. Higgins CB, et al.
Pharmacol Rev 25:119-55, Mar 73 (328 ref.)

Adrenergic influences on uterine smooth muscle. Marshall JM, et al.

Philos Trans R Soc Lond [Biol Sci] 265:135-48, 15 Mar 73

Developments with bacterial vaccines: cholera. Northrup RS. Prog Immunobiol Stand 5:328-9, 1972

Actions of lithium on cerebral carbohydrate metsholism. DeFeudis FV. Res Commun Chem Pathol Pharmacol 5:789-96, May 73 (39 ref.)

Effect of theophylline on alkaline phosphatase activity of denervated skeletal muscle fibers. Meltzer HY. Res Commun Chem Pathol Pharmacol 5:539-42, Mar 73

Effect of 3,7-dimethyl-1-(5-oxo-hexyl)xanthine and 1-hexyl-3,7-dimethyl xanthine on cyclic AMP phosphodiesterase of the human umbilical cord vessels. Stefanovich V. Res Commun Chem Pathol Pharmacol 5:655-62, May 73

Octopamine-sensitive adenylate cyclase: evidence for a biological role of octopamine in nervous tissue. Nathanson JA, et al. Science 180:308-10, 20 Apr 73

[Histamine and the stomach secretion in the rat. Adenosine-3',5'-monophosphate as "second messenger"] Domschke W, et al. Naturwissenschaften 59:521, Nov 72 (Ger)

[Physiopathology of hypoglycemia in the newborn] Bracci R, et al. Minerva Pediatr 25:444-52, 24 Mar 73 (Ita)

[Mechanism of action of the pituitary hormones] Oye I. Tidsskr Nor Laegeforen 92:2146-8, 20 Nov 72 (Eng. Abstr.) (Nor)

[Statement of the possible role of adenyl cyclase system and cyclic adenosine monophosphate in the carcinogenesis process] Jędrzejczak W. Przegl Lek 30:316-20, 1973 (30 ref.) (Pol)

[Mechanism of action of a bronchodilator agent. (Comprehensive review)] Dimić M. Plucne Bolesti Tuberk 24:234-9, Jul-Sep 72 (17 ref.) (Cro)

PHARMACODYNAMICS

Early variations of plasma cortisol after pulse intravenous injection of dibutyryl cyclic adenosine 3',5'-monophosphate in normal subjects. Angeli A, et al. Acta Endocrinol (Kbh) 72:753-61, Apr 73

Effects of gonadotrophins and cyclic 3',5'-AMP on in vitro incorporation of (3 H)uridine into RNA of the prepubertal rat ovary. Jarlstedt J, et al. Acta Endocrinol (Kbh) 72:771-85, Apr 73

Cyclic AMP. Kaplan SA. Am J Dis Child 125:646-7, May 73

Control of vasopressin stimulation of sodium transport in the toad bladder. Finn AL, et al. Am J Physiol 224:1018-23, May 73

Angiotensin, vasopressin, and cyclic AMP: effects on sodium and water fluxes in rat colon. Hornych A, et al. Am J Physiol 224:1223-9, May 73

Stimulation of pentose cycle in the eccrine sweat gland by adrenergic drugs. Sato K. Am J Physiol 224:1149-54, May 73

Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Kitabchi AE. Ann NY Acad Sci 203:123-6, 18 Dec 72

Adenosine 3',5'--cyclic monophosphate dependent protein kinase and phosphoprotein phosphatase activities in rat islets of Langerhans. Dods RF, et al. Biochem Biophys Res Commun 51:421-7, 17 Mar 73

Does cyclic-3',5'-AMP induce glutamine synthetase in embryonic neural retina? Jones RE, et al. Biochem Biophys Res Commun 51:268-74, 17 Mar 73

The mode of action of adenosine 3':5'-cyclic monophosphate in mammalian islets of Langerhans. Preparation and properties of islet-cell protein phosphokinase. Montague W, et al. Biochem J 129:551-60, Sep 72

Histone phosphatase and cyclic nucleotide-stimulated protein kinase from human lymphocytes. Murray AW, et al. Biochem J 129:995-1002, Oct 72

Evidence for modification of protein phosphorylation by cytokinins. Ralph RK, et al. Biochem J 130:901-11, Dec 72

Adenosine 3',5'-cyclic monophosphate phosphodiesterase in guinea-pig lung--properties and effect of adrenergic drugs. Hitchcock M. Biochem Pharmacol 22:959-69, 15 Apr 73

Effects of sodium salicylate and acetylsalicylic acid on the lipolytic system of fat cells. Schönhöfer PS, et al. Biochem Pharmacol 22:629-37, 1 Mar 73

The effect of adenine nucleotides and dehydroepiandrosterone on the isoenzymes of NADP + -and NAD + -glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase from rat adipose tissue. Beitner R, et al. Biochim Biophys Acta 286:437-40, 29 Dec 72

Stimulation of renal gluconeogenesis hy inhibition of the sodium pump. Friedrichs D, et al. Biochim Biophys Acta 304:142-60, 30 Mar 73

Production of cholinesterase by Pseudomonas aeruginosa, its regulation by glucose and cyclic AMP and inhibition by antiserum. Gilboa-Garber N, et al. Biochim Biophys Acta 297:120-4, 24 Jan 73

Effects of catecholamines on ammoniagenesis and gluconeogenesis by renal cortex in vitro. Klahr S, et al. Biochim Biophys Acta 304:161-8, 30 Mar 73

Cyclic AMP-dependent diphosphoinositide kinase. Torda C. Biochim Biophys Acta 286:389-95, 29 Dec 72

Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte. Woodin AM. Biochim Biophys Acta 286:406-15, 29 Dec 72

The effect of cold storage on the inhibitory action of isoprenaline, phenylephrine and nicotine on the mechanical and membranal activities of guinea-pig taenia caecum. Fukuda H, et al. Br J Pharmacol 46:438-48, Nov 72

The effects of some phosphodiesterase inhibitors on the conductance of the perfused vascular beds of the chloralosed cat. Hamilton TC. Br J Pharmacol 46:386-94, Nov 72

The effect of N6,O2'-dihutyryl adenosine 3':5'-cyclic monophosphate on noradrenaline synthesis in isolated superior cervical ganglia. Keen P, et al. Br J Pharmacol 46:529P-530P, Nov 72

Studies on the mode of action of cyclic 3'5'-AMP and prostaglindin E 2 on rat gastric acid secretion and mucosal blood flow. Whittle BJ. Br J Pharmacol 46:546P-547P, Nov 72

Cyclic AMP and intestinal glycoprotein synthesis: the effect of -adrenergic agents, theophylline, and dibutyryl cyclic AMP. Foratner G, et al. Can J Physiol Pharmacol 51:122-9, Feb 73

Cyclic AMP-induced differentiated mouse neuroblastoma cells lose tumourgenic characteristics. Prasad KN. Cytobios 6:163-6, Nov 72

Effects of calcium and theophylline on ACTH- and dihutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro. Birmingham MK, et al. Endocrinology 92:743-9, Mar 73

Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Ellsworth LR, et al. Endocrinology 92:840-6, Mar 73

Role of pancreatic monoamines in the impaired insulin secretion of the fasting state. Feldman JM, et al. Endocrinology 92:1469-74, May 73

Effects of some modifiers of insulin secretion on insulin biosynthesis. Lin BJ, et al. Endocrinology 92:735-42, Mar 73

Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Pearlmutter AF, et al. Endocrinology 92:679-86, Mar 73

On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor. Wakabayashi K, et al. Endocrinology 92:698-704, Mar 73

Evidence for a role of adenosine 3',5'-monophosphate in parathyroid hormone release. Williams GA, et al. Endocrinology 92:687-91, Mar 73

The induction of translocators for di- and tricarhoxylic-acid anions in Azotobacter vinelandii. Reuser AJ, et al. Eur J Biochem 33:584-92, 15 Mar 73

Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Sharma RK. Eur J Biochem 32:506-12, 1 Feb 73

Morphology and growth rate changes in Chinese hamster cells cultured in presence of sodium hutyrate. Wright JA. Exp Cell Res 78:456-60, Apr 73

The influence of dihutyryl cyclic adenosine monophosphate and other substances on human bronchial mucous gland discharge. Whimster WF, et al. Exp Mol Pathol 18:234-40, Apr 73

Cyclic AMP: its effect on an estrogen-sensitive antigen in organ cultures of the cervicovaginal epithelium from neonatal mice. Kvinnsland S, et al. Experientia 28:846-8, 15 Jul 72

Possihle role of glucose-6-phosphate in the anti-anaphylactic mechanism mediated by cyclic AMP. Okazaki T, et al. Experientia 28:848-9, 15 Jul 72

Calcium, cyclic adenosine 3',5'-monophosphate, and the

control of cell proliferation: a review. Whitfield JF, et al. In Vitro 8:257-78, Jan-Feb 73 (80 ref.)

The relationship of in vitro and in vivo allergic histamine release: inhibition in primates by cAMP active agents. Perper RJ, et al. Int Arch Allergy Appl Immunol 43:837-44, 1972

Platelet aggregation in atopic and normal patients. Harwell WB, et al. J Allergy Clin Immunol 51:274-84, May 73

Fat mobilizing lipase in relation to fatness in lambs. Sidhu KS, et al. J Anim Sci 36:658-62, Apr 73

Enzyme secretion mediated by the epinephrine -receptor in rat parotid slices. Factors governing efficiency of the process. Batzri S, et al. J Biol Chem 248:356-60, 10 Jan 73

Potassium release mediated by the epinephrine -receptor in rat parotid slices. Properties and relation to enzyme secretion. Batzri S, et al. J Biol Chem 248:361-8, 10 Jan 73

Stimulation of 32 P i incorporation into phosphatidylinositol and phosphatidylglycerol by catecholamines and -adrenergic receptor blocking agents in rat pineal organ cultures. Eichberg J, et al. J Biol Chem 248:3615-22, 25 May 73

Phenylalanine hydroxylase in cultured hepatocytes. I. Hormonal control of enzyme levels. Haggerty DF, et al. J Biol Chem 248:223-32, 10 Jan 73

Collagenase and hyaluronidase stimulation by dibutyryl adenosine cyclic 3':5'-monophosphate. Harper E, et al. J Biol Chem 248:2625-6, 10 Apr 73

Inhibition of induction of rat liver tyrosine aminotransferase by D-galactosamine. Reynolds RD, et al. J Biol Chem 248:1562-7, 10 Mar 73

Activation of a guanosine triphosphate-specific protein kinase by adenosine 3':5'-monophosphate-dependent protein kinase in rat cells of the rat. Rodbell M, et al. J Biol Chem 248:3363-5, 10 May 73

Adenosine 3',5'-monophosphate in glial tumor cells. Alterations by 5-bromodeoxyuridine. Schwartz JP, et al. J Biol Chem 248:2699-704, 25 Apr 73

Two actions of cyclic AMP on melanosome movement in frog skin. Dissection by cytochalasin B. Magun B. J Cell Biol 57:845-58, Jun 73

Growth inhibition of murine tumor cells, in vitro, by puromycin, (6 N)O 2 '-dibutyryl 3',5'-adenosine monophosphate, or adenosine: evidence of commitment for cell division. Thomas DB, et al. J Cell Biol 57:397-405, May 73

The ability of calcium to change cyclic AMP from a stimulator to an inhibitor to thymic lymphoblast proliferation. Whitfield JF, et al. J Cell Physiol 81:241-50, Apr 73

Promotion of pituitary prolactin release in rats by dibutyryl adenosine 3',5'-monophosphate. Nagasawa H, et al. J Endocrinol 55:215-6, Oct 72

The steroidogenic response of adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. J Endocrinol 56:537-49, Mar 73

Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. J Endocrinol 56:529-36, Mar 73

Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. Richardson MC, et al. J Endocrinol 55:127-39, Oct 72

Cyclic adenosine 3',5'-monophosphate in the control of melanoma cell replication and differentiation. Kreider JW, et al. J Natl Cancer Inst 50:555-8, Feb 73

Modulators of glutaminase activity. Weil-Malherbe H. J Neurochem 19:2257-67, Oct 72

Schistosome motility measurements: response to drugs. Hillman GR, et al. J Pharmacol Exp Ther 185:177-84, May 73

Cyclic adenosine monophosphate antagonism of morphine analgesia. Ho IK, et al. J Pharmacol Exp Ther 185:336-46, May 73

Effects of cyclic 3',5'-adenosine monophosphate on morphine tolerance and physical dependence. Ho IK, et al. J Pharmacol Exp Ther 185:347-57, May 73

Calcium release and vasopressin action in toad bladder. Cuthbert AW, et al. J Physiol (Lond) 230:61P-62P, Apr 73

Lithium-induced ADH resistance in toad urinary bladders. Singer I, et al. Kidney Int 3:151-9, Mar 73

Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study. Nussdorfer GC, et al. Lab Invest 28:332-42, Mar 73

Inhibition of lysosomal enzyme release by adenosine 5' triphosphate and N 6 ,O 2 -dibutyryl cyclic 3',5'-adenosine monophosphate. Ignarro LJ, et al. Life Sci [I] 11:317-22, 1 Apr 72

Estradiol-17 , cyclic AMP and prostaglandins: in vivo and in vitro studies on the cervicovaginal epithelium from neonatal mice. Kvinnsland S. Life Sci [I] 12:373-84, 15 Apr 73

The behavioral effects of dibutyryl cyclic AMP in mice. Weiner M, et al. Life Sci [I] 12:345-56, 15 Apr 73

Stimulation of endogenous respiration of ejaculated ram sperm by dibutyryl cyclic AMP. Li TK. Life Sci [II] 11:939-48, 8 Oct 72

Effect of dibutyryl cyclic AMP on nucleic acid and protein synthesis in neuronal and glial tumor cells. Lim R, et al. Life Sci [II] 11:1063-70, 8 Nov 72

Cyclic-AMP binding sites on the cell surface of thymic lymphocytes. MacManus JP, et al. Life Sci [II] 11:837-45, 8 Sep 72

Puromycin stimulation of rat liver ornithine decarboxylase activity. Beck WT, et al. Nature 241:275-7, 26 Jan 73

Morphological and biochemical alterations in foetal rat brain cells cultured in the presence of monobutyryl cyclic AMP. Shapiro DL. Nature 241:203-4, 19 Jan 73

Stimulation of division of density inhibited fibroblasts by glucocorticoids. Thrash CR, et al. Nature 242:399-401, 6 Apr 73

Growth control and cyclic alterations of cyclic AMP in the cell cycle. Burger MM, et al. Nature [New Biol] 239:161-3, 11 Oct 72

Stimulation by cyclic AMP and ppGpp of chloramphenicol acetyl transferase synthesis. De Crombrugghe .B, et al. Nature [New Biol] 241:237-9, 21 Feb 73

Cyclic AMP does not affect the rate at which cells attach to a substratum. Grinnell F, et al. Nature [New Biol] 241:82-3, 17 Jan 73

Basal level of neurotransmitter synthesizing enzymes and effect of cyclic AMP agents on the morphological differentiation of isolated neuroblastoma clones. Prasad KN, et al. Nature [New Biol] 241:117-9, 24 Jan 73

Stimulation of tyrosine hydroxylase activity in an adrenergic clone of mouse neuroblastoma by dibutyryl cyclic AMP. Richelson E. Nature [New Biol] 242:175-7, 11 Apr 73

Regulation of phospho-enol-pyruvate carboxykinase during starvation and glucose repression. Treadow BR, et al. Nature [New Biol] 239:131-3, 4 Oct 72

Control of phenotypic expression of cultured melanoma cells by melanocyte stimulating hormones. Wong G, et al. Nature [New Biol] 241:213-5, 14 Feb 73

Inhibition of adenovirus type 12 induced DNA synthesis in G1-arrested BHK21 cells by dibutyryl adenosine cyclic 3':5'-monophosphate. Zimmerman JE Jr, et al. Nature [New Biol] 239:145-7, 4 Oct 72

Effect of dibutyryl cyclic-AMP on levels of dopamine- -hydroxylase in isolated superior cervical ganglia. Keen P, et al. Naunyn Schmiedebergs Arch Pharmacol 275:465-9, 29 Dec 72

Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Vapaatalo H, et al. Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72

Stimulation and retardation of limb regeneration by adenosine 3',5'-monophosphate and related compounds. Foret JE. Oncology 27:153-9, 1973

Biochemical aspects of drug and hormone action on adipose tissue. Fain JN. Pharmacol Rev 25:67-118, Mar 73 (393 ref.)

Adrenergic influences on uterine smooth muscle. Marshall JM, et al. Philos Trans R Soc Lond [Biol Sci] 265:135-48, 15 Mar 73

Regulation of myocardial prostaglandin dehydrogenase activity. The role of cyclic 3',5'-AMP and calcium ions. Limas CJ, et al. Proc Soc Exp Biol Med 142:1230-4, Apr 73

Current status and prospects for interferon. Billiau A, et al. Prog Immunobiol Stand 5:264-6, 1972

Prostaglandins: action on mast cells in vitro. Albro P, et al. Prostaglandins 1:133-46, Feb 72

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. Prostaglandins 1:345-63, May 72

Papaverine antagonism of prostaglandin E 2 -induced contraction of rabbit aortic strips. Levy JV.

Res Commun Chem Pathol Pharmacol 5:297-310, Mar 73

Effect of intravenous dibutyryl cyclic AMP on histamine-induced bronchospasm in the guinea pig. Ross W, et al.
Res Commun Chem Pathol Pharmacol 5:817-26, May 73

Sex-dependent effects of cyclic AMP on the hepatic mixed function oxidase system. Ross WE, et al.
Res Commun Chem Pathol Pharmacol 5:319-32, Mar 73

Apparent suppression of the tumorigenicity of human cancer cells by cyclic AMP. Smith EE, et al.
Res Commun Chem Pathol Pharmacol 5:863-6, May 73

Hyaluronate inhibition of chondrogenesis: antagonism of thyroxine, growth hormone, and calcitonin. Toole BP. Science 180:302-3, 20 Apr 73

Adenosine 3',5'-cyclic monophosphate regulation of chloramphenicol acetyltransferase synthesis in vitro from P1CM DNA. Dottin RP, et al.
Virology 51:509-11, Feb 73

PHYSIOLOGY

Effects of parathyroid hormone on renal tubular reabsorption of calcium, sodium, and phosphate. Agus ZS, et al. Am J Physiol 224:1143-8, May 73

Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al.
Biochim Biophys Acta 304:203-9, 30 Mar 73

Beta-blockade of epinephrine-induced cyclic AMP formation in heart, liver, fat and trachea. Murad F.
Biochim Biophys Acta 304:181-7, 30 Mar 73

Cyclic adenosine monophosphate and cardiac contractility. Sobel BE, et al.
Circ Res 32:407-14, Apr 73 (58 ref.)

Introductory address presented at the Sixth Conference of European Comparative Endocrinologists, Montpellier, 1971. General aspects and problems in comparative endocrinology. Gersch M. Gen Comp Endocrinol 20:425-35, Apr 73

Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative. Moyle WR, et al.
J Biol Chem 248:2409-17, 10 Apr 73

Effect of conjugated dihydroxy bile salts on electrolyte transport in rat colon. Binder HJ, et al.
J Clin Invest 52:1460-6, Jun 73

[Molecular basis of the relation between the cytotoxic effect of antineoplastic compounds and the cell cycle phase] Belousova AK.
Vopr Onkol 18:88-96, 1972 (70 ref.) (Rus)

[Cycl AMP and function of the hypothalamo-hypophyseal thyroid system] Sánchez Martín JA.
Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Eng. Abstr.) (Spa)

[The role of hormones, serotonin and cyclic adenosine-3 1 ,5 1 -monophosphate in uterine muscle cell contraction] Baksheev NS.
Pediatr Akush Ginekol 6:33-5, 1972 (Ukr)

THERAPEUTIC USE

Antidiuretic therapy in Bartter's syndrome. Proesmans W, et al. J Pediatr 82:538-9, Mar 73

Effect of intravenous dibutyryl cyclic AMP on histamine-induced bronchospasm in the guinea pig. Ross W, et al.
Res Commun Chem Pathol Pharmacol 5:817-26, May 73

URINE

Cyclic AMP. Kaplan SA.
Am J Dis Child 125:646-7, May 73

Urinary excretion of cyclic-3',5'-adenosine monophosphate in hyperthyroidism. Lin T, et al.
J Clin Endocrinol Metab 36:1033-6, May 73

Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Neelon FA, et al. Lancet 1:631-3, 24 Mar 73

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

An isotopic assay of cyclic 3',5'-nucleotide phosphodiesterase with aluminum oxide columns. Fliburn CR, et al. Anal Biochem 52:505-16, Apr 73

Effect of insulin and growth hormone on rat liver cyclic nucleotide phosphodiesterase. Thompson WJ, et al.
Biochemistry 12:1889-94, 8 May 73

Partial prufication and properties of the cyclic AMP and the cyclic GMP phosphodiesterases of bovine liver. Schröder J, et al.
Biochim Biophys Acta 302:50-63, 15 Mar 73

A 13 C and 1 H nuclear magnetic resonance study of the conformations of 2',3'-cyclic nucleotides. Lapper RD, et al. J Am Chem Soc 95:2878-80, 2 May 73

Protein kinase modulator from lobster tail muscle. II. Effects of the modulator on holoenzyme and catalytic subunit of guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases. Donnelly TE Jr, et al.
J Biol Chem 248:199-203, 10 Jan 73

Protein kinase modulator from lobster tail muscle. I. Stimulatory and inhibitory effects of the modulator on the phosphorylation of substrate proteins by guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases. Donnelly TE Jr, et al.
J Biol Chem 248:190-8, 10 Jan 73

Dissociation and activation of adenosine 3',5'-monophosphate-dependent and guanosine 3',5'-monophosphate-dependent protein kinases by cyclic nucleotides and by substrate proteins. Miyamoto E, et al. J Biol Chem 248:179-89, 10 Jan 73

ANTAGONISTS & INHIBITORS

Drug receptors and the haemopoletic stem cell. Byron JW. Nature [New Biol] 241:152-4, 31 Jan 73

BLOOD

Study on plasma cyclic nucleotide concentrations in fasting rats. Turinsky J.
Proc Soc Exp Biol Med 142:1189-91, Apr 73

METABOLISM

Cyclic-AMP binding sites on the cell surface of thymic lymphocytes. MacManus JP, et al.
Life Sci [II] 11:837-45, 8 Sep 72

PHARMACODYNAMICS

Does cyclic-3',5'-AMP induce glutamine synthetase in embryonic neural retina? Jones RE, et al.
Biochem Biophys Res Commun 51:268-74, 17 Mar 73

Modulators of glutaminase activity. Weil-Malherbe H.
J Neurochem 19:2257-67, Oct 72

Schistosome motility measurements: response to drugs. Hillman GR, et al.
J Pharmacol Exp Ther 185:177-84, May 73

Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study. Nussdorfer GC, et al.
Lab Invest 28:332-42, Mar 73

Stimulation of endogenous respiration of ejaculated ram sperm by dibutyryl cyclic AMP. Li TK.
Life Sci [II] 11:939-48, 8 Oct 72

Cyclic-AMP binding sites on the cell surface of thymic lymphocytes. MacManus JP, et al.
Life Sci [II] 11:837-45, 8 Sep 72

Drug receptors and the haemopoletic stem cell. Byron JW. Nature [New Biol] 241:152-4, 31 Jan 73

Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Vapaatalo H, et al.
Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72

APPENDIX

ADENYL CYCLASE

Solubilization, stabilization, and partial purification of brain adenylate cyclase from rat. Swislocki NI, et al. Biochemistry 12:1862-6, 8 May 73

Oxytocin receptor in frog bladder epithelial cells. Relationship of (3 H)oxytocin binding to adenylate cyclase activation. Roy C, et al. FEBS Lett 30:329-34, 15 Mar 73

Evidence for delayed development of the glucagon receptor of adenylate cyclase in the fetal and neonatal rat heart. Clark CM Jr, et al. J Clin Invest 52:1018-25, May 73

[Prostaglandins] Füllgraff G. Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)

ANALYSIS

An isotopic assay of cyclic 3',5'-nucleotide phosphodiesterase with aluminum oxide columns. Filburn CR, et al. Anal Biochem 52:505-16, Apr 73

Effects of halothane on the cyclic 3',5'-adenosine monophosphate (cyclic AMP) system in rat uterine muscle. Yang JC, et al. Anesthesiology 38:244-59, Mar 73

Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte. Woodin AM. Biochim Biophys Acta 286:406-15, 29 Dec 72

Studies on the alkaline denaturation of glucagon. Epand RM, et al. Can J Biochem 51:140-7, Feb 73

Distribution of adrenocorticotrophic hormone-stimulated adenylate cyclase in the adrenal cortex. Golder MP, et al. J Endocrinol 56:471-81, Mar 73

Adenyl cyclase in neuronal and glial-enriched fractions from rat and rabbit brain. Palmer GC. Res Commun Chem Pathol Pharmacol 5:603-13, May 73

ANTAGONISTS & INHIBITORS

The effect of indomethacin on the response of thyroid tissue to thyrotropin. Wolff J, et al. Biochem Biophys Res Commun 51:34-9, 5 Mar 73

Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al. J Biol Chem 248:350-5, 10 Jan 73

Regulation of the permeability to water in toad urinary bladder: the effect of copper. Parisi M, et al. J Endocrinol 55:1-9, Oct 72

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Tell GP, et al. Science 180:312-5, 20 Apr 73

BIOSYNTHESIS

Testosterone-stimulation of adenyl cyclase and cyclic 3',5'-adnosine monophosphate- 3 H formation in rat seminal vesicles. Thomas JA, et al. Biochem Pharmacol 22:507-11, 15 Feb 73

Biochemical observations in functioning human thyroid adenomas. Larsen PR, et al. J Clin Endocrinol Metab 36:1009-18, May 73

Octopamine-sensitive adenylate cyclse: evidence for a biological role of octopamine in nervous tissue. Nathanson JA, et al. Science 180:308-10, 20 Apr 73

ISOLATION & PURIFICATION

Solubilization, stabilization, and partial purification of brain adenylate cyclase from rat. Swislocki NI, et al. Biochemistry 12:1862-6, 8 May 73

Studies on the alkaline denaturation of glucagon. Epand RM, et al. Can J Biochem 51:140-7, Feb 73

METABOLISM

Effects of halothane on the cyclic 3',5'-adenosine monophosphate (cyclic AMP) system in rat uterine muscle. Yang JC, et al. Anesthesiology 38:244-59, Mar 73

Thermosensitive events in adenovirus transformed cells. I. Resistance to herpes simplex virus. Sprecher Goldberger S, et al. Arch Gesamte Virusforsch 40:236-47, 1973

On the regulation of cyclic 3',5' adenosine monophosphate levels in bacteria. Stimulation of adenyl cyclase activity in vitro by glucose in a mutant of E. coli B-r. Ahou-Sabé M, et al. Biochem Biophys Res Commun 51:551-7, 2 Apr 73

Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Menon KM, et al. Biochim Biophys Acta 304:203-9, 30 Mar 73

Beta-blockade of epinephrine-induced cyclic AMP formation in heart, liver, fat and trachea. Murad F. Biochim Biophys Acta 304:181-7, 30 Mar 73

Activation of guanyl cyclase and adenyl cyclase by secretin. Thompson WJ, et al. Biochim Biophys Acta 302:329-37, 12 Apr 73

Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte. Woodin AM. Biochim Biophys Acta 286:406-15, 29 Dec 72

Cyclic AMP and intestinal glycoprotein synthesis: the effect of -adrenergic agents, theophylline, and dibutyryl cyclic AMP. Forstner G, et al. Can J Physiol Pharmacol 51:122-9, Feb 73

Comparison of the activities of two purified fish gonadotropins on adenyl cyclase activity in the goldfish ovary. Fontaine YA, et al. Can J Zool 50:1673-6, Dec 72

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. Cancer Res 33:843-8, Apr 73

Cyclic adenosine monophosphate and cardiac contractility. Sobel BE, et al. Circ Res 32:407-14, Apr 73 (58 ref.)

Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells. Maayan ML, et al. Endocrinology 92:912-6, Mar 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al. Endocrinology 92:1349-53, May 73

Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al. FEBS Lett 30:253-60, 15 Mar 73

Potassium release mediated by the epinephrine -receptor in rat parotid slices. Properties and relation to enzyme secretion. Batzri S, et al. J Biol Chem 248:361-8, 10 Jan 73

Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. Kuo WN, et al. J Biol Chem 248:2705-11, 25 Apr 73

Specific binding of -adrenergic catecholamines to a

subcellular fraction from cardiac muscle. Lefkowitz RJ, et al. J Biol Chem 248:342-9, 10 Jan 73
Vasopressin-responsive, soluble adenylate cyclase from the rat renal medulla. Neer EJ.
J Biol Chem 248:3742-4, 25 May 73
Adenosine 3',5'-monophosphate in glial tumor cells. Alterations by 5-bromodeoxyuridine. Schwartz JP, et al. J Biol Chem 248:2699-704, 25 Apr 73
Activation of thyroid membrane adenylate cyclase by purine nucleotides. Wolff J, et al.
J Biol Chem 248:350-5, 10 Jan 73
Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism. Valenta LJ, et al.
J Clin Endocrinol Metab 36:830-44, May 73
Effects of cycloheximide on the response of intestinal mucosa to cholera enterotoxin. Kimberg DV, et al.
J Clin Invest 52:1376-83, Jun 73
An ATP pool associated with adenyl cyclase of brain tissue. Shimizu H, et al.
J Neurochem 20:1279-83, Apr 73
Cyclic adenosine monophosphate antagonism of morphine analgesia. Ho IK, et al.
J Pharmacol Exp Ther 185:336-46, May 73
Norepinephrine: dissociation of -receptor binding from adenylate cyclase activation in solubilized myocardium. Lefkowitz RJ, et al.
Life Sci [II] 11:821-8, 22 Aug 72
Isolated hormone receptors: physiologic and clinical implications. Lefkowitz RJ.
N Engl J Med 288:1061-6, 17 May 73 (50 ref.)
Catecholamine and Ca 2+ activation of adenylate cyclase systems in synaptosomal fractions from rat cerebral cortex. Von Hungen K, et al.
Nature [New Biol] 242:58-60, 14 Mar 73
Beta cells and glucose in diabetes.
Nutr Rev 31:8-10, Jan 73 (9 ref.)
Biochemical aspects of drug and hormone action on adipose tissue. Fain JN.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)
Evidence for two separate adenyl cyclase systems responding independently to parathyroid hormone and -adrenergic agents in the renal cortex of the rat. Kurokawa K, et al.
Proc Soc Exp Biol Med 143:123-6, May 73
Methylazoxymethanol-acetate induced neurotoxicity of chick embryos. Wang JH, et al.
Proc Soc Exp Biol Med 143:275-8, May 73
Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. Prostaglandins 1:345-63, May 72
Actions of lithium on cerebral carbohydrate metabolism. DeFeudis FV.
Res Commun Chem Pathol Pharmacol 5:789-96, May 73 (39 ref.)
In vitro demonstration of iodide-trapping defect but normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules. Larsen PR, et al. Trans Assoc Am Physicians 85:309-16, 1972
[Glucagon] Ihler M.
Anaesthesist 22:5-7, Jan 73 (Eng. Abstr.) (Ger)
[Mechanism of action of the pituitary hormones] Oye I.
Tidsskr Nor Laegeforen 92:2146-8, 20 Nov 72 (Eng. Abstr.) (Nor)
[Clinical and biochemical studies on the utilization of adrenergic beta blockaders in the induction and stimulation of labor] Urban J.
Ginekol Pol 44:319-20, Mar 73 (Pol)
[The prostaglandins] Cierniewski C.
Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)
[Statement of the possible role of adenyl cyclase system and cyclic adenosine monophosphate in the carcinogenesis process] Jędrzejczak W.
Przegl Lek 30:316-20, 1973 (30 ref.) (Pol)
[Mechanism of action of a bronchodilator agent. (Comprehensive review)] Dimić M.
Plucne Bolesti Tuberk 24:234-9, Jul-Sep 72 (17 ref.) (Cro)

GUANYL CYCLASE

ANALYSIS

An isotopic assay of cyclic 3',5'-nucleotide phosphodiesterase with aluminum oxide columns. Filburn CR, et al. Anal Biochem 52:505-16, Apr 73

METABOLISM

Activation of guanyl cyclase and adenyl cyclase by secretin. Thompson WJ, et al.
Biochim Biophys Acta 302:329-37, 12 Apr 73

✳ HORMONES, ECTOPIC

Influence of high level of endogenous Glucocorticoids on the histology of fetal rat thyroid. Horvat NM, et al.
Endokrinologie 61:132-9, 1973
The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. J Urol 109:349-55, Mar 73
[Paraneoplastic syndromes during bronchopulmonary carcinoma (comprehensive review)] Potokar T.
Plucne Bolesti Tuberk 24:244-9, Jul-Sep 72 (16 ref.) (Cro)

ANALYSIS

[Routine search for inappropriate secretion of antidiuretic hormone in primary bronchial cancers] Barjon P, et al.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Eng. Abstr.) (Fre)

BIOSYNTHESIS

The forgotten sperm. O'Rourke DA.
Aust NZ J Obstet Gynaecol 12:216, Aug 72

PHYSIOLOGY

[Reversible liver dysfunction in patients with cancer of the kidney] Pytel' Ala.
Urol Nefrol (Mosk) 38:13-8, Jan-Feb 73 (Eng. Abstr.) (Rus)

SECRETION

Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones). Dilman VM, et al.
Am J Obstet Gynecol 115:966-71, 1 Apr 73
Gut glucagon and reactive hypoglycaemia. Holst JJ, et al. Lancet 1:1008, 5 May 73
[Ectopic hormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases. Singer FR, et al. Ann Intern Med 78:365-9, Mar 73
Endocrine liver tumours. Lannon J.
S Afr J Surg 11:39, Mar 73
[Routine search for inappropriate secretion of antidiuretic hormone in primary bronchial cancers] Barjon P, et al.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Eng. Abstr.) (Fre)
[A case of biliary cirrhosis of the liver caused by metastasis of hormono-active arrhenoblastoma into hepatic duct] Aprosina ZG, et al.
Ter Arkh 44:102-5, Oct 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism). Conn JW, et al. J Urol 109:349-55, Mar 73
[Ectopic hormonal syndromes] Albeaux-Fernet M.
Sem Hop Paris 49:245-56, 20 Jan 73 (Eng. Abstr.) (Fre)
[Kallopenic endocrine diseases] Hänze S.
Med Welt 24:717-21, 4 May 73 (Ger)

ETIOLOGY

Sippie's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73

PATHOLOGY

Gynecomastia and galactorrhea in a male rhesus monkey (Macaca mulatta) with spontaneous metastatic carcinoma. Ringler DH, et al.
J Med Primatol 1:309-17, 1972

✳ HORMONES, ECTOPIC Continued on page 320

APPENDIX

NERVE GROWTH FACTOR

Adsorption of nerve growth factor onto surfaces. Implications for the assay in tissue culture. Pearce FL, et al. **Eur J Biochem 32:569-75, 1 Feb 73**

[Immunosympathectomy] Brănişteanu DD, et al. **Fiziol Norm Patol 19:117-26, Mar-Apr 73 (60 ref.) (Eng. Abstr.) (Rum)**

[The nerve growth factor] Hăulică ID, et al. **Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)**

[Endocrinous aspects of the physiology of salivary glands. 2. Nerve growth factor (NGF) and its hormonal relation] Valenzuela SA. **Odontol Chil 20:11-4, Jan-Mar 72 (Spa)**

ANALYSIS

Adsorption of nerve growth factor onto surfaces. Implications for the assay in tissue culture. Pearce FL, et al. **Eur J Biochem 32:569-75, 1 Feb 73**

[The nerve growth factor] Hăulică ID, et al. **Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)**

PHARMACODYNAMICS

Dissociation of chick embryo spinal ganglia and the effects on cell yields by the mouse 7S nerve growth factor protein. Varon S, et al. **Neurobiology 2:106-22, 1972**

Behavioral changes in the goldfish, Carassius auratus, produced by treatment with nerve growth factor. Weis JS, et al. **Physiol Behav 9:367-72, Sep 72**

Nerve growth factor: enhanced recovery of feeding after hypothalamic damage. Berger BD, et al. **Science 180:506-8, 4 May 73**

[Effect of nerve growth factor on neuroblast cultures from C 1300 neuroblastoma] Hermetet JC, et al. **C R Soc Biol (Paris) 166:1120-3, 1972 (Fre)**

[The nerve growth factor] Hăulică ID, et al. **Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)**

[Autoradiographic study of protein synthesis in perikaryons and its migration into axons of hypertrophied synpathetic neurons] Iarygin VN, et al. **Dokl Akad Nauk SSSR 208:1253-6, 11 Feb 73 (Rus)**

PHYSIOLOGY

[The nerve growth factor] Hăulică ID, et al. **Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)**

PROSTAGLANDINS

Prostaglandins. Laros RK Jr, et al. **Am J Nurs 73:1001-3, Jun 73**

Bilayer lipid membrane as a model for vasopressin, prostaglandin and Ca 2+ effects on water permeability. Graziani Y, et al. **Biochim Biophys Acta 291:612-20, 16 Feb 73**

Drugs and agents used for fertility control. Wahi PN. **Indian J Physiol Pharmacol 16:177-9, Jul-Sep 72**

The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S. **Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)**

Prostaglandins. Sears ML, et al. **Invest Ophthalmol 12:161-4, Mar 73**

Prostaglandins. VI. Correlation of the absolute configuration of pyrethrolone with that of the prostaglandins. Miyano M, et al. **J Am Chem Soc 95:2664-9, 18 Apr 73**

Cyclic adenosine monophosphate in phagocytizing granulocytes and alveolar macrophages. Seyberth HW, et al. **J Cell Biol 57:567-71, May 73**

Medical profession and family welfare planning. Jackson MC. **J Indian Med Assoc 59:324-6, 16 Oct 72**

The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. **J Obstet Gynaecol Br Commonw 80:138-41, Feb 73**

Kinetics of dehydration and isomerization of prostaglandins E 1 and E 2 . Monkhouse DC, et al. **J Pharm Sci 62:576-80, Apr 73**

Prostaglandins: perspective in obstetrics and gynecology. Hinman JW. **J Reprod Med 10:118-20, Mar 73 (23 ref.)**

Research on prostaglandins reveals potential uses. Walker E. **Mod Nurs Home 30:4 passim, Apr 73**

Regulation of myocardial prostaglandin dehydrogenase activity. The role of cyclic 3',5'-AMP and calcium ions. Limas CJ, et al. **Proc Soc Exp Biol Med 142:1230-4, Apr 73**

Differential inhibition of prostaglandin synthetase and soybean lipoxygenase. Downing DT. **Prostaglandins 1:437-41, Jun 72**

Properties of 15-hydroxy prostaglandin dehydrogenase: structural requirements for substrate binding. Marrazzi MA, et al. **Prostaglandins 1:373-88, May 72**

Reversibility of 15-OH prostaglandin dehydrogenase from swine lung. Marrazzi MA, et al. **Prostaglandins 1:389-95, May 72**

Review of the Intra-Science Research Foundation Symposium on the chemistry and pharmacology of prostaglandins. Weinshenker NM, et al. **Prostaglandins 1:83-5, Jan 72**

Quantitative conversion of PGA or PGE to PGB. Zusman RM. **Prostaglandins 1:167-8, Feb 72**

[Prostaglandins. A new class of biogenic agents] Fülgraff G. **Fortschr Med 91:410-6, 12 Apr 73 (Ger)**

[Prostaglandins] Fülgraff G. **Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)**

[Vitamin E, unsaturated fatty acids, blood platelets and prostaglandins. A correction and addition] Naess K. **Tidsskr Nor Laegeforen 93:331, 20 Feb 73 (Nor)**

[The prostaglandins] Ciernlewski C. **Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)**

[Introduction to the seminar on prostaglandins] Mateos-Gómez JL. **Arch Invest Med (Mex) 3:Suppl 1:149-50, 1972 (Spa)**

ADMINISTRATION & DOSAGE

Intra-amniotic administration of prostaglandin F 2 to induce therapeutic abortion. Efficacy and tolerance of two dosage schedules. Brenner WE, et al. **Am J Obstet Gynecol 114:781-7, 15 Nov 72**

Cardiovascular and respiratory responses to intravenous infusion of prostaglandin F 2 in the pregnant woman. Fishburne JI Jr, et al. **Am J Obstet Gynecol 114:765-72, 15 Nov 72**

The induction of abortion and menstruation by the intravaginal administration of prostaglandin F 2a . Sato T, et al. **Am J Obstet Gynecol 116:287-9, 15 May 73**

Posterior cervical rupture following prostaglandin-induced mid-trimester abortion. Wentz AC, et al. **Am J Obstet Gynecol 115:1107-10, 15 Apr 73**

Termination of pregnancy by intra-uterine prostaglandin F 2 . Korda A, et al. **Aust NZ J Obstet Gynaecol 12:166-9, Aug 72**

Coronary and systemic haemodynamic effects of prostaglandins in the unanaesthetized dog. Bloor CM, et al. **Cardiovasc Res 7:156-66, Mar 73**

Comparison of the bronchodilator activities of isoproterenol and of prostaglandin E 1 aerosols. Adolphson RL, et al. **Chest 63:Suppl:5S-6S, Apr 73**

Induction of labour by amniotomy and intravenous infusions of oxytocic drugs--a comparison between prostaglandins and oxytocin. Brown AA, et al. **J Obstet Gynaecol Br Commonw 80:111-5, Feb 73**

Intra-amniotic prostaglandin E 2 and F 2 for induction of abortion: a dose response study. Craft I. **J Obstet Gynaecol Br Commonw 80:46-7, Jan 73**

Continuous extra-amniotic prostaglandin E 2 for therapeutic termination and the effectiveness of various infusion rates and dosages. Midwinter A, et al. **J Obstet Gynaecol Br Commonw 80:371-3, Apr 73**

The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. **J Obstet Gynaecol Br Commonw 80:138-41, Feb 73**

The use of prostaglandins for the induction of labor. Anderson GG, et al. **J Reprod Med 10:121-4, Mar 73**

Intra-amniotic prostaglandin E 2 and urea for abortion. Craft I. **Lancet 1:779, 7 Apr 73**

Continuous prostaglandin-F 2 infusion for middle-trimester abortion. Lauersen NH, et al. **Lancet 813:1195, 23 May 73**

Early diagnosis of anencephaly. Thiery M, et al. **Lancet 1:599-600, 17 Mar 73**

Interaction of prostaglandins with blood plasma proteins. 3. Rate of disappearance and metabolites formation after intravenous administration of free or albumin-bound prostaglandins F 2 and A 2 . Raz A. **Life Sci [II] 11:965-74, 8 Oct 72**

Chronoperiodicity in the response to the intra-amniotic injection of prostaglandin F 2 in the human. Smith ID, et al. **Nature 241:279-80, 26 Jan 73**

Thermoregulatory effects of prostaglandins E 1 , E 2 , F

1 and F 2 in the sheep. Hales JR, et al. **Pfluegers Arch 339:125-33, 21 Mar 73**

Interrelated pharmacologic effects of prostaglandins and bradykinin. Denko CW, et al. **Pharmacology 8:353-60, 1972**

The effects of prostaglandin E 1 on erythropoietin production. Paulo LG, et al. **Proc Soc Exp Biol Med 142:771-5, Mar 73**

Midtrimester abortion using intraamniotic prostaglandin F2alpha. Anderson GG, et al. **Prostaglandins 1:147-55, Feb 72**

The response of the midpregnant human uterus to vaginal administration of prostaglandin suppositories. Béguin F, et al. **Prostaglandins 1:397-405, May 72**

Vaginal administration of prostaglandin F2alpha for inducing therapeutic abortion. Brenner WE, et al. **Prostaglandins 1:455-67, Jun 72**

Effects of prostaglandins on the affinity of hemoglobin for oxygen in human whole blood in vitro. Collins JA, et al. **Prostaglandins 3:59-66, Jan 73**

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. **Prostaglandins 3:89-95, Jan 73**

Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Csapo AI, et al. **Prostaglandins 1:305-18, Apr 72**

First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:295-303, Apr 72**

First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:365-71, May 72**

On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:158-65, Feb 72**

Effect of prostaglandins on blood flow and pressure in the conscious rat. Free MJ, et al. **Prostaglandins 1:483-98, Jun 72**

The uterine effects of vaginally administered prostaglandin E2. Henzl MR, et al. **Prostaglandins 1:205-15, Mar 72**

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. **Prostaglandins 1:443-51, Jun 72**

Activity of 15[S] 15-methyl prostaglandin E2 and F2alpha as stimulants of uterine contractility. Kirton KT, et al. **Prostaglandins 1:319-25, Apr 72**

Effects of oral administration of PGE2 on gastric secretion and experimental peptic ulcerations. Lee YH, et al. **Prostaglandins 3:29-45, Jan 73**

[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al. **Prostaglandins 1:269-77, Apr 72**

Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al. **Prostaglandins 1:259-67, Apr 72**

Indomethacin blocks arachidonic acid-induced elevation of intraocular pressure. Podos SM, et al. **Prostaglandins 3:7-16, Jan 73**

Extra-amniotic prostaglandin-oxytocin abortion: comparison with the intra-amniotic method. Seppälä M, et al. **Prostaglandins 3:17-28, Jan 73**

Induction of abortion by extra-ammiotic prostaglandin administration. Wiqvist N, et al. **Prostaglandins 1:37-53, Jan 72**

Prostaglandins and synaptosomal transport of 3 H-norepinephrine and 3 H-5-hydroxytryptamine. Ciofalo FR. **Res Commun Chem Pathol Pharmacol 5:551-4, Mar 73**

Papaverine antagonism of prostaglandin E 2 -induced contraction of rabbit aortic strips. Levy JV. **Res Commun Chem Pathol Pharmacol 5:297-310, Mar 73**

[Prostaglandins in gynecology] Breckwoldt M, et al. **Hippokrates 43:494-5, Dec 72 (Ger)**

[New pathogenetic and therapeutic aspects of obstructive pulmonary disease] Hany A. **Schweiz Med Wochenschr 103:645-8, 28 Apr 73 (Eng. Abstr.) (Ger)**

[Effect of prostaglandin E 2 (PGE 2) on the function of the corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)**

[Clinical pharmacology of prostaglandin E 2 in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)**

ADVERSE EFFECTS

Intra-amniotic administration of prostaglandin F 2 to induce therapeutic abortion. Efficacy and tolerance of two dosage schedules. Brenner WE, et al. **Am J Obstet Gynecol 114:781-7, 15 Nov 72**

The induction of abortion and menstruation by the intravaginal administration of prostaglandin F 2a . Sato T, et al. **Am J Obstet Gynecol 116:287-9, 15 May 73**

Posterior cervical rupture following prostaglandin-induced mid-trimester abortion. Wentz AC, et al. **Am J Obstet Gynecol 115:1107-10, 15 Apr 73**

Termination of pregnancy by intra-uterine prostaglandin F 2 . Korda A, et al. **Aust NZ J Obstet Gynaecol 12:166-9, Aug 72**

Effect of prostaglandins A 1 , A 2 , B 1 , E 2 and F 2 on forearm arterial bed and superficial hand veins in man. Robinson BF, et al. **Clin Sci 44:367-76, Apr 73**

Prostaglandins. Sears ML, et al. **Invest Ophthalmol 12:161-4, Mar 73**

Injuries of the cervix after induced midtrimester abortion. Bradley-Watson PJ, et al. **J Obstet Gynaecol Br Commonw 80:284-5, Mar 73**

Induction of labour by amniotomy and intravenous infusions of oxytocic drugs--a comparison between prostaglandins and oxytocin. Brown AA, et al. **J Obstet Gynaecol Br Commonw 80:111-5, Feb 73**

Intra-amniotic prostaglandin E 2 and F 2 for induction of abortion: a dose response study. Craft I. **J Obstet Gynaecol Br Commonw 80:46-7, Jan 73**

Continuous extra-amniotic prostaglandin E 2 for therapeutic termination and the effectiveness of various infusion rates and dosages. Midwinter A, et al. **J Obstet Gynaecol Br Commonw 80:371-3, Apr 73**

The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. **J Obstet Gynaecol Br Commonw 80:138-41, Feb 73**

The use of prostaglandins for the induction of labor. Anderson GG, et al. **J Reprod Med 10:121-4, Mar 73**

Bleeding disorders due to abnormal platelet function. Weiss HJ. **Med Clin North Am 57:517-30, Mar 73 (58 ref.)**

Midtrimester abortion using intraamniotic prostaglandin F2alpha. Anderson GG, et al. **Prostaglandins 1:147-55, Feb 72**

The response of the midpregnant human uterus to vaginal administration of prostaglandin suppositories. Béguin F, et al. **Prostaglandins 1:397-405, May 72**

Vaginal administration of prostaglandin F2alpha for inducing therapeutic abortion. Brenner WE, et al. **Prostaglandins 1:455-67, Jun 72**

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. **Prostaglandins 3:89-95, Jan 73**

Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Csapo AI, et al. **Prostaglandins 1:305-18, Apr 72**

First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:295-303, Apr 72**

First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:365-71, May 72**

The uterine effects of vaginally administered prostaglandin E2. Henzl MR, et al. **Prostaglandins 1:205-15, Mar 72**

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. **Prostaglandins 1:443-51, Jun 72**

Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al. **Prostaglandins 1:259-67, Apr 72**

Disappearance of prostaglandin F2alpha from human amniotic fluid after intraamniotic injection. Pace-Asciak C, et al. **Prostaglandins 1:469-77, Jun 72**

Extra-amniotic prostaglandin-oxytocin abortion: comparison with the intra-amniotic method. Seppälä M, et al. **Prostaglandins 3:17-28, Jan 73**

Relationship between endotoxin-induced abortion and the synthesis of prostaglandin F. Skarnes RC, et al. **Prostaglandins 1:191-203, Mar 72**

Induction of abortion by extra-ammiotic prostaglandin administration. Wiqvist N, et al. **Prostaglandins 1:37-53, Jan 72**

[Prostaglandins. A new class of biogenic agents] Fülgraff G. **Fortschr Med 91:410-6, 12 Apr 73 (Ger)**

[Effects of prostaglandins E 2 and F 2 on uterine contractility] Noriega-Guerra L, et al.

Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Eng. Abstr.) (Spa)
[Clinical pharmacology of prostaglandin E 2 in normal nonpregnant women] Ortega E, et al.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)

ANALYSIS

In vitro release of prostaglandins from the human myometrium under the influence of stretching. Kloeck FK, et al.
Am J Obstet Gynecol 115:1066-9, 15 Apr 73
Kinetics of dehydration and isomerization of prostaglandins E 1 and E 2 . Monkhouse DC, et al.
J Pharm Sci 62:576-80, Apr 73
Serological aspects of prostaglandins.
Gutierrez-Cernosek RM, et al.
J Reprod Med 10:125-32, Mar 73
Prostaglandins: perspective in obstetrics and gynecology. Hinman JW.
J Reprod Med 10:118-20, Mar 73 (23 ref.)
Studies on detection and synthesis of prostaglandins in tail skin of the rat. Tan WC, et al. Lipids 8:166-9, Apr 73
Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation blockade by aspirin and indomethacin. Behrman HR, et al.
Prostaglandins 1:245-58, Apr 72
The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes. Caldwell BV, et al. Prostaglandins 1:217-28, Mar 72
Radioimmunoassay of prostaglandins, angiotensin, digoxin, morphine and adenosine-3',5'-cyclic-monophosphate with nitrocellulose membranes. Gershman H, et al.
Prostaglandins 1:407-23, May 72
Analysis of prostaglandins by electron-capture gas chromatography. I. Thermal decomposition of heptafluorobutyrate methyl esters of F1alpha and F2alpha. Levitt MJ, et al.
Prostaglandins 1:121-31, Feb 72
[Prostaglandins and reproductive physiology] Revaz C.
Rev Med Suisse Romande 92:797-806, Oct 72 (Fre)
[Prostaglandins. A new class of biogenic agents] Fülgraff G. Fortschr Med 91:410-6, 12 Apr 73 (Ger)
[Prostaglandins] Fülgraff G.
Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)

ANTAGONISTS & INHIBITORS

Mid-trimester hypertonic saline--induced abortion: effect of indomethacin on induction-abortion time. Waltman R, et al.
Am J Obstet Gynecol 114:829-31, 15 Nov 72
Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours. Apps MC, et al.
Br J Exp Pathol 54:203-21, Apr 73
Dipyrone in bronchial asthma. Hady S.
Br Med J 1:744, 24 Mar 73
Comparison of the bronchodilator activities of isoproterenol and of prostaglandin E 1 aerosols. Adolphson RL, et al. Chest 63:Suppl:5S-6S, Apr 73
Spasmolytic effect of polysorbates (Tweens) 80 and 20 isolated tissues. Sabir M, et al.
Indian J Physiol Pharmacol 16:193-9, Jul-Sep 72
Induction of embryonic death in sheep by intrauterine injection of a small volume of normal saline. Bryden MM, et al. J Reprod Fertil 32:133-5, Jan 73
Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)
Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Armstrong DT, et al.
Prostaglandins 1:21-8, Jan 72
Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. Prostaglandins 1:345-63, May 72
Relationship between endotoxin-induced abortion and the synthesis of prostaglandin F. Skarnes RC, et al.
Prostaglandins 1:191-203, Mar 72
Papaverine antagonism of prostaglandin E 2 -induced contraction of rabbit aortic strips. Levy JV.
Res Commun Chem Pathol Pharmacol 5:297-310, Mar 73
[Prostaglandins] Fülgraff G.
Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)

BIOSYNTHESIS

The role of copper in prostaglandin synthesis. Maddox IS. Biochim Biophys Acta 306:74-81, 13 Apr 73
Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours. Apps MC, et al.
Br J Exp Pathol 54:203-21, Apr 73
Inhibition of intestinal tone and prostaglandin synthesis by 5,8,11,14 tetraynoic acid. Davison P, et al.
Br J Pharmacol 46:547P-548P, Nov 72
The generation from arachidonic acid of rabbit aorta contracting substance (RCS) by a microsomal enzyme preparation which also generates prostaglandins. Grygiewski R, et al. Br J Pharmacol 46:449-57, Nov 72
Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid. Haye B, et al.
FEBS Lett 30:253-60, 15 Mar 73
Degeneration release of norepinephrine causes transient ocular hyperemia mediated by prostaglandins. Neufeld AH, et al.
Invest Ophthalmol 12:167-75, Mar 73
Prostaglandins. Sears ML, et al.
Invest Ophthalmol 12:161-4, Mar 73
Formation of prostaglandins during the aggregation of human blood platelets. Smith JB, et al.
J Clin Invest 52:965-9, Apr 73
Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)
Prostaglandins: perspective in obstetrics and gynecology. Hinman JW.
J Reprod Med 10:118-20, Mar 73 (23 ref.)
Prostaglandins, aspirin, and analgesia.
Lancet 1:979, 5 May 73
Studies on detection and synthesis of prostaglandins in tail skin of the rat. Tan WC, et al. Lipids 8:166-9, Apr 73
Alpha-adrenoceptor mediated feed-back control of sympathetic neurotransmitter secretion in guinea-pig vas deferens. Stjärne L.
Nature [New Biol] 241:190-1, 7 Feb 73
Tissue biosynthesis of prostaglandins.
Nutr Rev 31:24-5, Jan 73 (9 ref.)
Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis. Chasalow FI, et al.
Prostaglandins 1:107-17, Feb 72
Differential inhibition of prostaglandin synthetase and soybean lipoxygenase. Downing DT.
Prostaglandins 1:437-41, Jun 72
Indomethacin blocks arachidonic acid-induced elevation of intraocular pressure. Podos SM, et al.
Prostaglandins 3:7-16, Jan 73
Human blood prostaglandins: formation during clotting. Silver MJ, et al.
Prostaglandins 1:429-36, Jun 72
Relationship between endotoxin-induced abortion and the synthesis of prostaglandin F. Skarnes RC, et al.
Prostaglandins 1:191-203, Mar 72
Review of the Intra-Science Research Foundation Symposium on the chemistry and pharmacology of prostaglandins. Weinshenker NM, et al.
Prostaglandins 1:83-5, Jan 72
[Prostaglandins and cardiovascular diseases] Förster W.
Dtsch Gesundheitsw 27:2264-71, 30 Nov 72 (80 ref.) (Eng. Abstr.) (Ger)
[Prostaglandins. A new class of biogenic agents] Fülgraff G. Fortschr Med 91:410-6, 12 Apr 73 (Ger)
[Prostaglandins] Fülgraff G.
Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)
[The prostaglandins] Cierniewski C.
Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)

BLOOD

Prostaglandin F 2 concentrations in peripheral blood during the first stage of normal labour. Sharma SC, et al. Br Med J 1:709-11, 24 Mar 73
The effect of chronic sodium loading and sodium restriction on plasma prostaglandin A, E, and F concentrations in normal humans. Zusman RM, et al.
J Clin Invest 52:1093-8, May 73
Appearance of prostaglandins in the renal venous blood of dogs in response to acute systemic hypotension produced by bleeding or endotoxin. Collier JG, et al.
J Physiol (Lond) 230:19P-20P, Apr 73
Effects of exogenous oestradiol and progesterone on serum levels of prostaglandin F and luteinizing

hormone in chronically ovariectomized rats. Saksena SK, et al. **J Reprod Fertil 32:495-9, Mar 73**

Serological aspects of prostaglandins. Gutierrez-Cernosek RM, et al. **J Reprod Med 10:125-32, Mar 73**

The effect of venous occlusion, starvation and exercise on prostaglandin activity in whole human blood. Greaves MW, et al. **Life Sci [II] 11:919-24, 22 Sep 72**

Interaction of prostaglandins with blood plasma proteins. 3. Rate of disappearance and metabolites formation after intravenous administration of free or albumin-bound prostaglandins F 2 and A 2 . Raz A. **Life Sci [II] 11:965-74, 8 Oct 72**

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al. **Proc Soc Exp Biol Med 143:152-5, May 73**

Midtrimester abortion using intraamniotic prostaglandin F2alpha. Anderson GG, et al. **Prostaglandins 1:147-55, Feb 72**

Serum PGF2alpha levels during human pregnancy. Brummer HC. **Prostaglandins 3:3-5, Jan 73**

The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes. Caldwell BV, et al. **Prostaglandins 1:217-28, Mar 72**

Prostaglandin F2alpha levels in peripheral sera of man. Gutierrez Cernosek RM, et al. **Prostaglandins 1:71-80, Jan 72**

Prostaglandin F2alpha levels in sera during human pregnancy. Gutierrez-Cernosek RM, et al. **Prostaglandins 1:331-7, Apr 72**

Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonadotrophin secretion. Orczyk GP, et al. **Prostaglandins 1:3-20, Jan 72**

Human blood prostaglandins: formation during clotting. Silver MJ, et al. **Prostaglandins 1:429-36, Jun 72**

Prostaglandin F2alpha in the uterus of ewes during early pregnancy. Wilson L Jr, et al. **Prostaglandins 1:479-82, Jun 72**

The collection and handling of biological samples for prostaglandin analysis. **Prostaglandins 1:279-80, Apr 72**

[Relationship of prostaglandin F 2 concentration and the activity of placental vessels in vitro] Jungmannová C, et al. **Cesk Gynekol 38:141-2, Apr 73 (Cze)**

CEREBROSPINAL FLUID

Effect of bacterial pyrogen and antipyretics on prostaglandin activity in cerebrospinal fluid of unanaesthetized cats. Feldberg W, et al. **Br J Pharmacol 46:550P-551P, Nov 72**

CHEMICAL SYNTHESIS

Prostaglandin synthesis. I. An improved synthesis through bicyclo(3.1.0)hexane intermediates. Kelly RC, et al. **J Am Chem Soc 95:2746-7, 18 Apr 73**

The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue. Sharp DS, et al. **J Obstet Gynaecol Br Commonw 80:138-41, Feb 73**

[Antifertility drugs of the non-steroid type] Beran M, et al. **Cesk Farm 22:28-43, Feb 73 (Cze)**

[Recent progress in the synthesis of new prostaglandins] Crabbé P. **Arch Invest Med (Mex) 3:Suppl 1:151-72, 1972 (Eng. Abstr.) (Spa)**

ISOLATION & PURIFICATION

The role of copper in prostaglandin synthesis. Maddox IS. **Biochim Biophys Acta 306:74-81, 13 Apr 73**

[Isolation, identification, and biological effect of bull semen prostaglandins] Vlachos K, et al. **Dtsch Tieraerztl Wochenschr 80:100-2, 1 Mar 73 (Eng. Abstr.) (Ger)**

METABOLISM

In vitro release of prostaglandins from the human myometrium under the influence of stretching. Kloeck FK, et al. **Am J Obstet Gynecol 115:1066-9, 15 Apr 73**

Synthesis, biological activity, and 19 F nuclear magnetic resonance spectra of angiotensin II analogs containing fluorine. Vine WH, et al. **Biochemistry 12:1630-7, 10 Apr 73**

Essential fatty acid requirements of cells in tissue culture: a review. Bailey JM, et al. **Exp Mol Pathol 18:142-61, Apr 73 (45 ref.)**

Degeneration release of norepinephrine causes transient ocular hyperemia mediated by prostaglandins. Neufeld AH, et al. **Invest Ophthalmol 12:167-75, Mar 73**

Prostaglandins. Sears ML, et al. **Invest Ophthalmol 12:161-4, Mar 73**

Specific leukocyte receptors for small endogenous hormones. Detection by cell binding to insolubilized hormone preparations. Weinstein Y, et al. **J Clin Invest 52:1349-61, Jun 73**

Serological aspects of prostaglandins. Gutierrez-Cernosek RM, et al. **J Reprod Med 10:125-32, Mar 73**

Prostaglandins: perspective in obstetrics and gynecology. Hinman JW. **J Reprod Med 10:118-20, Mar 73 (23 ref.)**

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al. **Proc Soc Exp Biol Med 143:152-5, May 73**

Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis. Chasalow FI, et al. **Prostaglandins 1:107-17, Feb 72**

Disappearance of prostaglandin F2alpha from human amniotic fluid after intraamniotic injection. Pace-Asciak C, et al. **Prostaglandins 1:469-77, Jun 72**

Dual alpha-adrenoceptor mediated control of secretion of sympathetic neurotransmitter: one mechanism dependent and one independent of prostaglandin E. Stjärne L. **Prostaglandins 3:111-6, Jan 73**

Prostaglandin F2alpha in the uterus of ewes during early pregnancy. Wilson L Jr, et al. **Prostaglandins 1:479-82, Jun 72**

Effects of progesterone on endometrial prostaglandins in sheep. Wilson L Jr, et al. **Prostaglandins 1:183-90, Mar 72**

[Prostaglandins and cardiovascular diseases] Förster W. **Dtsch Gesundheitsw 27:2264-71, 30 Nov 72 (80 ref.) (Eng. Abstr.) (Ger)**

[New developments in the analysis of anti-inflammatory effects] Wilbrandt W. **Praxis 62:626-8, 15 May 73 (Ger)**

[Role and importance of prostaglandins in obstetrical and gynecological physiology] Perretti F. **Minerva Ginecol 25:140-5, Mar 73 (Eng. Abstr.) (Ita)**

[The prostaglandins] Cierniewski C. **Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)**

PHARMACODYNAMICS

Kinetics of secretion of sympathetic neurotransmitter as a function of external calcium: mechanism of inhibitory effect of prostaglandin E. Stjärne L. **Acta Physiol Scand 87:428-30, Mar 73**

Effect of prostaglandin A 1 on several vascular beds in man. Barner HB, et al. **Am Heart J 85:584-92, May 73**

Cardiovascular and respiratory responses to intravenous infusion of prostaglandin F 2 in the pregnant woman. Fishburne JI Jr, et al. **Am J Obstet Gynecol 114:765-72, 15 Nov 72**

Effects of prostaglandin F 2 , oxytocin, and ethanol on the uterus of the pregnant baboon. Lauersen NH, et al. **Am J Obstet Gynecol 115:912-8, 1 Apr 73**

Effect of prostaglandins on the coagulation mechanism of the pregnant rat. Phillips LL. **Am J Obstet Gynecol 115:227-32, 15 Jan 73**

The induction of abortion and menstruation by the intravaginal administration of prostaglandin F 2a . Sato T, et al. **Am J Obstet Gynecol 116:287-9, 15 May 73**

The nerve supply of the internal anal sphincter. Shepherd JJ. **Aust NZ J Surg 42:50-2, Aug 72**

Mechanisms regulating adipose-tissue pyruvate dehydrogenase. Martin BR, et al. **Biochem J 129:763-73, Sep 72**

Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte. Woodin AM. **Biochim Biophys Acta 286:406-15, 29 Dec 72**

Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours. Apps MC, et al. **Br J Exp Pathol 54:203-21, Apr 73**

Effect of prostaglandins A 1 ,A 2 ,B 1 ,E 2 and F 2 on the forearm arterial bed of man. Collier JG, et al. **Br J Pharmacol 46:551P-552P, Nov 72**

Anti-inflammatory property of 401, a peptide from the venom of the bee (Apis mellifica L). Hanson JM, et al. **Br J Pharmacol 46:537P-538P, Nov 72**

APPENDIX

Effect of prostaglandins E 1 , E 2 and A 2 on vascular resistance and responses to noradrenaline, nerve stimulation and angiotensin in the dog hindlimb. Kadowitz PJ. Br J Pharmacol 46:395-400, Nov 72

Effect of synthetic hradykinin on contractile tension of human saphenous vein strips. Levy JV. Br J Pharmacol 46:517-8, Nov 72

Studies on the mode of action of cyclic 3'5'-AMP and prostagindin E 2 on rat gastric acid secretion and mucosal hlood flow. Whittle BJ. Br J Pharmacol 46:546P-547P, Nov 72

The effect of locally administered 15(R) 15 methyl-E 2 methyl prostaglandin on hasal and pentagastrin-induced acid secretion in man. Carter DC, et al. Br J Surg 60:320, Apr 73

1I. Pharmacology of angiotensin antagonists. Regoli D, et al. Can J Physiol Pharmacol 51:114-21, Feb 73

Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. MacLeod RM, et al. Cancer Res 33:843-8, Apr 73

Coronary and systemic haemodynamic effects of prostaglandins in the unanaesthetized dog. Bloor CM, et al. Cardiovasc Res 7:156-66, Mar 73

Cardiovascular effects of prostaglandin E 1 in experimental myocardial infarction. Hutton I, et al. Cardiovasc Res 7:149-55, Mar 73

Comparison of the bronchodilator activities of isoproterenol and of prostaglandin E 1 aerosols. Adolphson RL, et al. Chest 63:Suppl:5S-6S, Apr 73

Effect of prostaglandins A 1 , A 2 , B 1 , E 2 and F 2 on forearm arterial hed and superficial hand veins in man. Robinson BF, et al. Clin Sci 44:367-76, Apr 73

Cyclic AMP-induced differentiated mouse neurohlastoma cells lose tumourgenic characteristics. Prasad KN. Cytobios 6:163-6, Nov 72

Studies on the mechanism of estrogen hiosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Schwarzel WC, et al. Endocrinology 92:866-80, Mar 73

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Wilher JF, et al. Endocrinology 92:888-93, Mar 73

Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Zakarija M, et al. Endocrinology 92:1349-53, May 73

Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy. Fuchs AR, et al. Fertil Steril 24:275-83, Apr 73

Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review. Whitfield JF, et al. In Vitro 8:257-78, Jan-Feh 73 (80 ref.)

Prostaglandins. Sears ML, et al. Invest Ophthalmol 12:161-4, Mar 73

Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. Kuo WN, et al. J Biol Chem 248:2705-11, 25 Apr 73

Studies on the mechanism of activation of adipose tissue pyruvate dehydrogenase hy insulin. Taylor SI, et al. J Biol Chem 248:73-81, 10 Jan 73

Activation of thyroid memhrane adenylate cyclase by purine nucleotides. Wolff J, et al. J Biol Chem 248:350-5, 10 Jan 73

Alterations in cyclic AMP metabolism in human hronchial asthma. II. Leukocyte and lymphocyte responses to prostaglandins. Parker CW, et al. J Clin Invest 52:1336-41, Jun 73

Specific leukocyte receptors for small endogenous hormones. Detection by cell binding to insoluhilized hormone preparations. Weinstein Y, et al. J Clin Invest 52:1349-61, Jun 73

The effect of Bordetella pertussis on lymphocyte cyclic AMP metaholism. Parker CW, et al. J Exp Med 137:1078-90, 1 Apr 73

In vitro effects of prostaglandin E 2 on cutaneous vascular smooth muscle in the dog and in man. Goldyne ME, et al. J Invest Dermatol 60:258-62, May 73

Effects of prostaglandins E 1 , E 2 , A 1 and A 2 on resistance and capacitance vessels in the hind limh of the dog. Conway J, et al. J Physiol (Lond) 230:56P-57P, Apr 73

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al. J Reprod Med 10:133-8, Mar 73 (28 ref.)

Effect of prostaglandin E 1 on cellular and humoral immune responses. Loose LD, et al. J Reticuloendothel Soc 13:70-7, Jan 73

Effect of Newcastle disease virus on human or rahhit platelets. Aggregation and loss of constituents. Turpie AG, et al. Lab Invest 28:575-83, May 73

Estradiol-17 , cyclic AMP and prostaglandins: in vivo and in vitro studies on the cervicovaginal epithelium from neonatal mice. Kvinnsland S. Life Sci [I] 12:373-84, 15 Apr 73

Basal level of neurotransmitter synthesizing enzymes and effect of cyclic AMP agents on the morphological differentiation of isolated neurohlastoma clones. Prasad KN, et al. Nature [New Biol] 241:117-9, 24 Jan 73

Stimulation of tyrosine hydroxylase activity in an adrenergic clone of mouse neurohlastoma hy dihutyryl cyclic AMP. Richelson E. Nature [New Biol] 242:175-7, 11 Apr 73

Alpha-adrenoceptor mediated feed-back control of sympathetic neurotransmitter secretion in guinea-pig vas deferens. Stjärne L. Nature [New Biol] 241:190-1, 7 Feh 73

Effects of neurohumoral and adrenergic agents on cyclic AMP levels in various areas of the rat brain in vitro. Palmer GC, et al. Neuropharmacology 12:327-37, Apr 73

Thermoregulatory effects of prostaglandins E 1 , E 2 , F 1 and F 2 in the sheep. Hales JR, et al. Pfluegers Arch 339:125-33, 21 Mar 73

Interrelated pharmacologic effects of prostaglandins and hradykinin. Denko CW, et al. Pharmacology 8:353-60, 1972

Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers. Louis TM, et al. Proc Soc Exp Biol Med 143:152-5, May 73

The effects of prostaglandin E 1 on erythropoietin production. Paulo LG, et al. Proc Soc Exp Biol Med 142:771-5, Mar 73

Prostaglandins: action on mast cells in vitro. Albro P, et al. Prostaglandins 1:133-46, Feh 72

Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Bartke A, et al. Prostaglandins 3:97-104, Jan 73

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on ovulation hlockade by aspirin and indomethacin. Behrman HR, et al. Prostaglandins 1:245-58, Apr 72

Effects of prostaglandins on the affinity of hemoglohin for oxygen in human whole hlood in vitro. Collins JA, et al. Prostaglandins 3:59-66, Jan 73

Effect of prostaglandin F2alpha on anterior pituitary function in man. Coudert SP, et al. Prostaglandins 3:89-95, Jan 73

The effect of prostaglandin F2alpha on the small arteries of the omentum uteri in the rat. Cseply J, et al. Prostaglandins 1:235-8, Mar 72

Effect of prostaglandins on hlood flow and pressure in the conscious rat. Free MJ, et al. Prostaglandins 1:483-98, Jun 72

The uterine effects of vaginally administered prostaglandin E2. Henzl MR, et al. Prostaglandins 1:205-15, Mar 72

Contraction of seminal vesicle and prostaglandin E1. Ito H, et al. Prostaglandins 1:327-30, Apr 72

Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Jewelewicz R, et al. Prostaglandins 1:443-51, Jun 72

Activity of 15[S] 15-methyl prostaglandin E2 and F2alpha as stimulants of uterine contractility. Kirton KT, et al. Prostaglandins 1:319-25, Apr 72

Natriuretic "hormone" and the renal prostaglandins. Lee JB. Prostaglandins 1:55-70, Jan 72

Effects of oral administration of PGE2 on gastric secretion and experimental peptic ulcerations. Lee YH, et al. Prostaglandins 3:29-45, Jan 73

[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al. Prostaglandins 1:269-77, Apr 72

Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. LeMaire WJ, et al. Prostaglandins 1:259-67, Apr 72

Indomethacin hlocks arachidonic acid-induced elevation of intraocular pressure. Podos SM, et al. Prostaglandins 3:7-16, Jan 73

Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function. Sato S, et al. Prostaglandins 1:345-63, May 72

Prostaglandin E2: effects on aggregation, shape change and cyclic AMP of rat platelets. Shio H, et al. Prostaglandins 1:29-36, Jan 72

Relationship between endotoxin-induced abortion and

APPENDIX

the synthesis of prostaglandin F. Skarnes RC, et al. **Prostaglandins 1:191-203, Mar 72**

Lack of effect of prostaglandin F2alpha on the fertilizing ability of rabbit sperm. Sorgen CD, et al. **Prostaglandins 1:229-33, Mar 72**

Inhibitory effect of prostaglandin E2 on noradrenaline secretion from sympathetic nerves as a function of external calcium. Stjärne L. **Prostaglandins 3:105-9, Jan 73**

Review of the Intra-Science Research Foundation Symposium on the chemistry and pharmacology of prostaglandins. Weinsbenker NM, et al. **Prostaglandins 1:83-5, Jan 72**

Prostaglandins and synaptosomal transport of 3 H-norepinephrine and 3 H-5-hydroxytryptamine. Ciofalo FR. **Res Commun Chem Pathol Pharmacol 5:551-4, Mar 73**

Papaverine antagonism of prostaglandin E 2 -induced contraction of rabbit aortic strips. Levy JV. **Res Commun Chem Pathol Pharmacol 5:297-310, Mar 73**

Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues. Tell GP, et al. **Science 180:312-5, 20 Apr 73**

[Lipid cytoplasmic inclusions in the interstitial cells of the renal medulla. 1. A study of the level of lipid inclusions in experimental neurogenic hypertension] Iurukova Ts, et al. **Eksp Med Morfol 11:173-82, 1972 (Eng. Abstr.) (Bul)**

[Experimental arterial thrombosis. In vivo and in the vitro effects of aspirin and prostaglandin E1] Gautier JC, et al. **Ann Med Interne (Paris) 123:849-52, Oct 72 (Fre)**

[Prostaglandins and reproductive physiology] Revaz C. **Rev Med Suisse Romande 92:797-806, Oct 72 (Fre)**

[Isolation, identification, and biological effect of bull semen prostaglandins] Vlachos K, et al. **Dtsch Tieraerztl Wochenschr 80:100-2, 1 Mar 73 (Eng. Abstr.) (Ger)**

[Prostaglandins. A new class of biogenic agents] Fülgraff G. **Fortschr Med 91:410-6, 12 Apr 73 (Ger)**

[Prostaglandins] Fülgraff G. **Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)**

[Role and importance of prostaglandins in obstetrical and gynecological physiology] Perretti F. **Minerva Ginecol 25:140-5, Mar 73 (Eng. Abstr.) (Ita)**

[Effect of prostaglandin A 2 (PGA 2) on electrobiological phenomena in isolated rat's myometrium] Maloflejew M, et al. **Ginekol Pol 44:225-9, Mar 73 (Eng. Abstr.) (Pol)**

[Action of tetrodotoxin and tetracaine on contractions of the rat uterus (in vitro) produced by oxytocin and prostaglandins E 1 and E 2] Bondani A, et al. **Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Spa)**

[Effect of prostaglandin E 2 (PGE 2) on the function of the corpus luteum] Cortés-Gallegos V, et al. **Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)**

[Effects of prostaglandins E 2 and F 2 on uterine contractility] Noriega-Guerra L, et al. **Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Eng. Abstr.) (Spa)**

[Clinical pharmacology of prostaglandin E 2 in normal nonpregnant women] Ortega E, et al. **Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Eng. Abstr.) (Spa)**

[Action of prostaglandins in female reproductive tract] Kurjak A, et al. **Lijec Vjesn 95:81-6, Feb 73 (Cro)**

PHYSIOLOGY

Prostaglandin F 2 concentrations in peripheral blood during the first stage of normal labour. Sharma SC, et al. **Br Med J 1:709-11, 24 Mar 73**

Degeneration release of norepinepbrine causes transient ocular byperemia mediated by prostaglandins. Neufeld AH, et al. **Invest Ophthalmol 12:167-75, Mar 73**

Prostaglandins. Sears ML, et al. **Invest Ophthalmol 12:161-4, Mar 73**

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al. **J Reprod Med 10:133-8, Mar 73 (28 ref.)**

Prostaglandins: perspective in obstetrics and gynecology. Hinman JW. **J Reprod Med 10:118-20, Mar 73 (23 ref.)**

On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:158-65, Feb 72**

Natriuretic "hormone" and the renal prostaglandins. Lee JB. **Prostaglandins 1:55-70, Jan 72**

Drug treatment of allergies. I. The pathophysiologic basis of allergy. Blumstein GI. **Semin Drug Treat 2:353-65, Spring 73 (15 ref.)**

[Relationship of prostaglandin F 2 concentration and the activity of placental vessels in vitro] Jungmannová C, et al. **Cesk Gynekol 38:141-2, Apr 73 (Cze)**

[Prostaglandins and reproductive physiology] Revaz C. **Rev Med Suisse Romande 92:797-806, Oct 72 (Fre)**

[Prostaglandins. A new class of biogenic agents] Fülgraff G. **Fortschr Med 91:410-6, 12 Apr 73 (Ger)**

[Role and importance of prostaglandins in obstetrical and gynecological physiology] Perretti F. **Minerva Ginecol 25:140-5, Mar 73 (Eng. Abstr.) (Ita)**

[The prostaglandins] Cierniewski C. **Postepy Biochem 19:5-18, 1973 (Eng. Abstr.) (Pol)**

SECRETION

Anaphylatoxin-induced release of a substance with prostaglandin-like activity in isolated perfused guinea-pig lungs. Sackeyfio AC. **Br J Pharmacol 46:544P-545P, Nov 72**

A marker for medullary carcinoma of thyroid. **Br Med J 2:257-8, 5 May 73**

Effects of indomethacin on the pulmonary vascular and air way resistance responses to pulmonary microembolization. Nakano J, et al. **Proc Soc Exp Biol Med 143:218-21, May 73**

Stimulation of splenic prostaglandin release by angiotensin and specific inhibition by cysteine 8-AII. Douglas JR Jr, et al. **Prostaglandins 3:67-74, Jan 73**

Dual alpha-adrenoceptor mediated control of secretion of sympathetic neurotransmitter: one mechanism dependent and one independent of prostaglandin E. Stjärne L. **Prostaglandins 3:111-6, Jan 73**

THERAPEUTIC USE

The viability of fetal skin of abortuses induced by saline or prostaglandin. Park IJ, et al. **Am J Obstet Gynecol 115:274-5, 15 Jan 73**

Effect of prostaglandins on the coagulation mechanism of the pregnant rat. Phillips LL. **Am J Obstet Gynecol 115:227-32, 15 Jan 73**

Coronary and systemic haemodynamic effects of prostaglandins in the unanaesthetized dog. Bloor CM, et al. **Cardiovasc Res 7:156-66, Mar 73**

Cardiovascular effects of prostaglandin E 1 in experimental myocardial infarction. Hutton I, et al. **Cardiovasc Res 7:149-55, Mar 73**

Induction of labour by amniotomy and intravenous infusions of oxytocic drugs--a comparison between prostaglandins and oxytocin. Brown AA, et al. **J Obstet Gynaecol Br Commonw 80:111-5, Feb 73**

Continuous extra-amniotic prostaglandin E 2 for therapeutic termination and the effectiveness of various infusion rates and dosages. Midwinter A, et al. **J Obstet Gynaecol Br Commonw 80:371-3, Apr 73**

The use of prostaglandins for the induction of labor. Anderson GG, et al. **J Reprod Med 10:121-4, Mar 73**

Prostaglandins: perspective in obstetrics and gynecology. Hinman JW. **J Reprod Med 10:118-20, Mar 73 (23 ref.)**

Midtrimester abortion using intraamniotic prostaglandin F2alpha. Anderson GG, et al. **Prostaglandins 1:147-55, Feb 72**

The response of the midpregnant human uterus to vaginal administration of prostaglandin suppositories. Béguin F, et al. **Prostaglandins 1:397-405, May 72**

Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Csapo AI, et al. **Prostaglandins 1:305-18, Apr 72**

First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:295-303, Apr 72**

First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:365-71, May 72**

On the mechanism of the abortifacient action of prostaglandin F2alpha. Csapo AI, et al. **Prostaglandins 1:158-65, Feb 72**

[Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Lehmann F, et al. **Prostaglandins 1:269-77, Apr 72**

Disappearance of prostaglandin F2alpha from human amniotic fluid after intraamniotic injection. Pace-Asciak C, et al. **Prostaglandins 1:469-77, Jun 72**

Extra-amniotic prostaglandin-oxytocin abortion:

comparison with the intra-amniotic method. Seppälä M, et al. Prostaglandins 3:17-28, Jan 73

Induction of ahortion by extra-ammiotic prostaglandin administration. Wiqvist N, et al. Prostaglandins 1:37-53, Jan 72

[Experimental arterial thromhosis. In vivo and in the vitro effects of aspirin and prostaglandin E1] Gautier JC, et al. Ann Med Interne (Paris) 123:849-52, Oct 72 (Fre)

RECEPTORS, HORMONE

Localization of oestradiol receptors in the rat hypothalamus. Kato J. Acta Endocrinol (Kbh) 72:663-70, Apr 73

Improved gel-filtration method for analysis of estrogen receptor hinding. Godefrol VC, et al. Anal Biochem 51:335-44, Feb 73

Predictability of response to endocrine ahlation in advanced breast carcinoma. A correlation to estrogen receptor and sterold sulfurylation. Leung BS, et al. Arch Surg 106:515-9, Apr 73

Effects of progesterone on the hinding of estradiol-receptor to rahhit uterine chromatin. Chatkoff ML, et al. Biochem Biophys Res Commun 51:1015-22, 16 Apr 73

Corticosteroid hinding macromolecules in the nucleus and cytosol of rat thymus cells. Ahraham AD, et al. Biochim Biophys Acta 297:142-54, 24 Jan 73

Low magnitude transformation of estradiol to estrone in human endometrium. Sweat ML, et al. Biochim Biophys Acta 296:189-95, 19 Jan 73

Nuclear receptor-estrogen complex: relationship hetween concentration and early uterotrophic responses. Anderson JN, et al. Endocrinology 92:1488-95, May 73

The hinding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1389-96, May 73

Evidence for a new class of corticosterone receptors in the rat kidney. Feldman D, et al. Endocrinology 92:1429-41, May 73

Oxytocin receptor in frog hladder epithelial cells. Relationship of (3 H)oxytocin hinding to adenylate cyclase activation. Roy C, et al. FEBS Lett 30:329-34, 15 Mar 73

Insulin-receptor interaction in the ohese-hyperglycemic mouse. A model of insulin resistance. Kahn CR, et al. J Biol Chem 248:244-50, 10 Jan 73

Studies on the relationship hetween androgen receptors and the transport of androgens in rat prostate. Rennie P, et al. J Biol Chem 248:3288-97, 10 May 73

Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue. Sullivan JN, et al. J Biol Chem 248:3202-8, 10 May 73

Evidence for delayed development of the glucagon receptor of adenylate cyclase in the fetal and neonatal rat heart. Clark CM Jr, et al. J Clin Invest 52:1018-25, May 73

Specific leukocyte receptors for small endogenous hormones. Detection hy cell hinding to insoluhilized hormone preparations. Weinstein Y, et al. J Clin Invest 52:1349-61, Jun 73

The interconversion of oestrone and oestradiol-17 and the concentration of oestradiol-17 receptors in cultured rabbit uterus. Russell SL, et al. J Endocrinol 56:203-11, Feh 73

The specificity of the estrogen receptor of human uterus. Hähnel R, et al. J Sterold Biochem 4:21-31, Jan 73

Testosterone "receptors" in purified nuclei of rat anterior hypophysis. Jouan P, et al. J Sterold Biochem 4:65-74, Jan 73

Progesterone concentration in human endometrium. Grundsell H, et al. Lancet 808:888, 21 Apr 73

Gut glucagon and reactive hypoglycaemia. Holst JJ, et al. Lancet 1:1008, 5 May 73

Isolated hormone receptors: physiologic and clinical implications. Lefkowitz RJ. N Engl J Med 288:1061-6, 17 May 73 (50 ref.)

Extraction of soluble gonadotrophin receptors from rat testis. Dufau ML, et al. Nature [New Biol] 242:246-8, 25 Apr 73

Rihonucleoprotein binding of sterold-"receptor" complexes. Liao S, et al. Nature [New Biol] 241:211-3, 14 Feh 73

Glucocorticoid hinding proteins in human leukaemic lymphoblasts. Lippman M, et al. Nature [New Biol] 242:157-8, 4 Apr 73

Androgen "receptor" in rat liver: cytosol "receptor" deficiency in pseudohermaphrodite male rats. Milin B, et al. Nature [New Biol] 242:248-50, 25 Apr 73

An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen hinding protein in the epididymis. Hansson V, et al. Steroids 21:457-74, Mar 73

[Estradiol-17 receptors in the liver of chicken and the amphihian Discoglossus pictus] Ozon R, et al. Biochim Biophys Acta 297:155-63, 24 Jan 73 (Eng. Abstr.) (Fre)

[Action mechanism of steroid hormones] Karlson P, et al. Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)

[Binding of 17-alpha-ethinyl estradiol and mestranol to uterine and pituitary gland receptors of the rat in vitro] Schubert K, et al. Endokrinologie 61:9-12, 1973 (Eng. Abstr.) (Ger)

[Action mechanism of androgen on the prostate] Shida K, et al. Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

DRUG EFFECTS

Effects of progesterone on the hinding of estradiol-receptor to rahhit uterine chromatin. Chatkoff ML, et al. Biochem Biophys Res Commun 51:1015-22, 16 Apr 73

Interaction of concanavalin A and wheat germ agglutinin with the insulin receptor of fat cells and liver. Cuatrecasas P. J Biol Chem 248:3528-34, 25 May 73

Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma. Ahmed J, et al. J Sterold Biochem 4:1-10, Jan 73

Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes. Forte LR. Life Sci [I] 11:461-73, 15 May 72

Isolated hormone receptors: physiologic and clinical implications. Lefkowitz RJ. N Engl J Med 288:1061-6, 17 May 73 (50 ref.)

[The effect of sodium gallate on adenoreceptors of smooth muscles] Baraboi VA, et al. Fiziol Zh 18:685-7, Sep-Oct 72 (Ukr)

HORMONES, ECTOPIC continued

Establishment of human malignant melanoma clonal cell lines that secrete ectopic adrenocorticotropin Orth DN. Nature (New Biol) 242: 26-8, 7 Mar 73

REVIEW SECTION

ADRENAL GLAND HYPERFUNCTION

COMPLICATIONS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

ADRENAL GLAND NEOPLASMS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

ADRENAL GLANDS

EMBRYOLOGY

[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)

[Function of fetal adrenal cortex] Matsumoto Y, et al.
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)

METABOLISM

Cholesterol hydroxylation in the adrenal cortex and liver. Boyd GS, et al.
Biochem Soc Symp 34:207-26, 1972

ADRENAL MEDULLA

EMBRYOLOGY

[Adrenal medulla] Nakai T, et al.
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)

ANDROGENS

[Androgens. Biochemistry, pharmacodynamics and therapeutic use] Kley HK, et al.
Med Klin 68:295-305, 9 Mar 73 (91 ref.) (Ger)

ANTAGONISTS & INHIBITORS

[Antiandrogens] Neumann F.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)

PHYSIOLOGY

[Action mechanism of androgen on the prostate] Shida K, et al.
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)

BONE AND BONES

METABOLISM

Diphosphonates. Experimental and clinical aspects. Russell RG, et al.
J Bone Joint Surg [Br] 55:66-86, Feb 73 (77 ref.)

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

RADIOGRAPHY

The physical measurement of bone mineral in humans. 1. Measurement by diagnostic radiography. Papworth MP. Australas Radiol 16:320-4, Sep 72 (27 ref.)

CALCIUM

METABOLISM

Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review. Whitfield JF, et al. In Vitro 8:257-78, Jan-Feb 73 (80 ref.)

Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)

PHYSIOLOGY

Calcium ions and muscle contraction. Ebashi S.
Nature 240:217-8, 24 Nov 72 (22 ref.)

CONTRACEPTIVES, ORAL

Oral contraceptives: therapeutics versus adverse reactions, with an outlook for the future. II. Bingel AS, et al. J Pharm Sci 62:349-62, Mar 73 (280 ref.)

PHARMACODYNAMICS

Metabolic effects of contraceptive steroids. Warren MP. Am J Med Sci 265:4-21, Jan 73 (62 ref.)

CORPUS LUTEUM

DRUG EFFECTS

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)

CORTICOTROPIN

SECRETION

[Adrenal cortex stimulating hormone (ACTH)] Eguchi Y.
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)

CUSHING'S SYNDROME

[Current concepts concerning the pathogenesis and treatment of Itsenko-Cushing disease] Vasiukova EA, et al. Klin Med (Mosk) 50:16-21, Aug 72 (Rus)

THERAPY

[Treatment of Itsenko-Cushing disease (review of the literature)] Komissarenko IV, et al.
Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)

DISGERMINOMA

[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

ENDOCRINE DISEASES

METABOLISM

Endocrinopathies and uric acid metabolis. Newcombe DS. Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)

ENDOCRINE GLANDS

EMBRYOLOGY

[Feto-placental relation in fetal endocrine function] Takagi S, et al.
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)

SECRETION

The metabolic and endocrine response to injury: a review. Johnston ID.
Br J Anaesth 45:252-5, Mar 73 (15 ref.)

ESTROGENS

BIOSYNTHESIS

[Biosynthesis of estrogens during pregnancy (survey of the literature)] Bagramian ER, et al.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)

PHARMACODYNAMICS

[Effect of hormones on bone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Eng. Abstr.) (Rus)

FANCONI SYNDROME

FAMILIAL & GENETIC

[Hereditary forms of rickets] Fanconi A, et al.
Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.) (Eng. Abstr.) (Ger)

FSH

METABOLISM

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

GLUCOCORTICOIDS

ADVERSE EFFECTS

Steroid arthropathy of the hip. Smyth CJ, et al.
Clin Orthop 90:50-6, Jan-Feb 73 (38 ref.)

HORMONES

METABOLISM

Metabolism of hormones, drugs and other substances by the gut. Hartiala K.
Physiol Rev 53:496-534, Apr 73 (372 ref.)

PHARMACODYNAMICS

Biochemical aspects of drug and hormone action on adipose tissue. Fain JN.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)

[Action mechanism of steroid hormones] Karlson P, et al.
Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)

SECRETION

[Endocrinology of pregnancy (review of the literature)] Manullova IA, et al.
Vopr Okhr Materin Det 17:38-42, Nov 72 (Rus)

HYDROXYDOPAMINE

THERAPEUTIC USE

Glaucoma. Podos SM.
Invest Ophthalmol 12:3-4, Jan 73 (12 ref.)

HYPERALDOSTERONISM

[Diagnosis and therapy of primary hyperaldosteronism] Hodler J.
Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Eng. Abstr.) (Ger)

COMPLICATIONS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

HYPERTHYROIDISM

[Hyperthyroidism in childhood. I. Etiology, pathogenesis and clinical diagnosis] Ijaiya K, et al.
Z Aerzti Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)

HYPOTHALAMUS

DRUG EFFECTS

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

LACTATION

Ketosis in pregnant sheep and lactating cows. A review. Kronfeld DS. Aust Vet J 48:680-7, Dec 72 (29 ref.)

[New knowledge regarding the metabolism of organic compounds in cattle during the transition from pregnancy to lactation] Koib E.
Monatsh Vet Med 28:109-15, 1 Feb 73 (23 ref.) (Eng. Abstr.) (Ger)

LH

METABOLISM

Gonadotropins during childhood and adolescence: a review. Kulin HE, et al.
Pediatrics 51:260-71, Feb 73 (60 ref.)

PHYSIOLOGY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: horses, sheep, and swine. Del Campo CH, et al.
Am J Vet Res 34:305-16, Mar 73 (59 ref.)

MEGESTROL

ADMINISTRATION & DOSAGE

The use of the mini pill in private practice. Nelson JH.
J Reprod Med 10:139-43, Mar 73 (33 ref.)

METYRAPONE

The binding of metyrapone to cytochrome P-450 and its inhibitory action on microsomal hepatic mixed function oxidation reactions. Hildebrandt AG.
Biochem Soc Symp 34:79-102, 1972 (46 ref.)

NERVE GROWTH FACTOR

[The nerve growth factor] Häulică ID, et al.
Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)

OVARIAN NEOPLASMS

DIAGNOSIS

[Means of improving the diagnosis of malignant ovarian neoplasms] Marsov GN.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)

OVARY

BLOOD SUPPLY

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: horses, sheep, and swine. Del Campo CH, et al.
Am J Vet Res 34:305-16, Mar 73 (59 ref.)

OVULATION

Prostaglandins in the control of ovulation, corpus luteum function, and parturition. Caldwell BV, et al.
J Reprod Med 10:133-8, Mar 73 (28 ref.)

OXYTOCIN

SECRETION

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

PARATHYROID HORMONE

PHARMACODYNAMICS

[Effect of hormones on hone metaholism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.)
(Eng. Abstr.) (Rus)

PHEOCHROMOCYTOMA

COMPLICATIONS

Endocrine causes of hypertension. Batsakis JG.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)

PITUITARY GLAND

DRUG EFFECTS

Endocrine responses to anaesthetic agents. Oyama T.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)

EMBRYOLOGY

[Growth hormone (GH)] Matsuzaki S.
Clin Endocrinol (Tokyo) 21:129-35, Feb 73 (41 ref.) (Jap)

PHYSIOLOGY

[Functional differentiation of anterior pituitary cells] Yoshimura F.
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)

PITUITARY HORMONES

PHARMACODYNAMICS

[Effect of hormones on hone metabolism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.)
(Eng. Abstr.) (Rus)

PROLACTIN

Changing concepts of prolactin in man. Vander Laan WP. Calif Med 118:28-37, Feb 73 (57 ref.)

SECRETION

[Prolactin and galactorrhea] Villa JG, et al.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)

PUBERTY

Some physiological and clinical aspects of puberty. Visser HK. Arch Dis Child 48:169-82, Mar 73 (96 ref.)
How does the hrain control the process of puberty? Ruf KB. Z Neurol 204:96-105, 2 Apr 73 (51 ref.)

RENIN

PHYSIOLOGY

The role of renal factors in the pathogenesis of experimental hypertension. Koletsky S.
Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)

RICKETS

FAMILIAL & GENETIC

[Hereditary forms of rickets] Fanconi A, et al.
Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.)
(Eng. Abstr.) (Ger)

RICKETS, VITAMIN D RESISTANT

FAMILIAL & GENETIC

[Hereditary forms of rickets] Fanconi A, et al.
Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.)
(Eng. Abstr.) (Ger)

SEX HORMONES

ADVERSE EFFECTS

[Hair growth disorders following sex hormone treatment--therapy of hair growth disorders using sex hormones] Zaun H.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)

SOMATOTROPIN

SECRETION

[Growth hormone (GH)] Matsuzaki S.
Clin Endocrinol (Tokyo) 21:129-35, Feb 73 (41 ref.) (Jap)

STEROIDS

In vitro transformation of steroids as a suhstitute of microhial transformation. Matkovics B.
Steroids Lipids Res 3:1-7, 1972 (15 ref.)

BIOSYNTHESIS

Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid hiosynthesis. Tamaoki B.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)

TESTICULAR NEOPLASMS

[Testicular tumors] Frohmüller H.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)

THYROID CRISIS

[Acute crisis in endocrine system diseases] Pacyński A.
Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)

THYROID GLAND

EMBRYOLOGY

[Fetal thyroid system] Mizuno M, et al.
Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) (Jap)

THYROID HORMONES

PHARMACODYNAMICS

[Effect of hormones on hone metaholism] Schmidt UY, et al.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.)
(Eng. Abstr.) (Rus)

VASOPRESSIN

SECRETION

[Antidiuretic hormone and oxytocin] Iwasaki H.
Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 ref.) (Jap)

VITAMIN D

Regulation of vitamin D metabolism and function. Omdahl JL, et al.
Physiol Rev 53:327-72, Apr 73 (231 ref.)

METABOLISM

Vitamin D: a reawakening. Palmisano PA.
JAMA 224:1526-7, 11 Jun 73 (18 ref.)
Vitamin D. Metabolism and mechanism of action. Olson EB Jr, et al.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation & purification, and urine).

AUTOANALYSIS

Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Kolthoff reactions. Keller HE, et al. Ann NY Acad Sci 220:3-14, 23 Mar 73
AUTOANALYSIS/ CATALYSIS/ CHLORIDES, analysis/ CHLORINE, analysis/ COLORIMETRY/ IODIDES, metabolism/ *IODINE, analysis/ IODINE, metabolism/ KINETICS/ MATHEMATICS/ METHODS/ SODIUM CHLORIDE, analysis/ SPECTRUM ANALYSIS/ TEMPERATURE/ WATER, analysis/ *WATER SUPPLY

An automated method for the determination of estrogens in pregnancy urine. Craig A, et al. Clin Biochem 6:34-40, Mar 73
AUTOANALYSIS/ COMPARATIVE STUDY/ ESTRIOL, urine/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ FLUORESCENCE SPECTROMETRY/ GESTATIONAL AGE/ GLUCOSE/ GLUCURONATES/ GLUCURONIDASE/ GLYCOSURIA, urine/ HUMAN/ HYDROLYSIS/ INDICATORS AND REAGENTS/ METHODS/ OSMOLAR CONCENTRATION/ *PREGNANCY/ QUALITY CONTROL/ SULFURIC ACIDS, diagnostic use/ TIME FACTORS

INSTRUMENTATION

An automated fluorometric method for the estimation of dopamine in brain tissue extracts. Waldmeier P, et al. Anal Biochem 51:474-81, Feb 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS, instrumentation/ BRAIN, drug effects/ *BRAIN CHEMISTRY/ CATECHOL/ DOPA/ *DOPAMINE, analysis/ EPINEPHRINE/ FLUORESCENCE SPECTROMETRY/ METHODS/ METHYLTYROSINES, pharmacodynamics/ MICROCHEMISTRY/ NOREPINEPHRINE/ RATS

AUTORADIOGRAPHY

Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. Lab Pract 22:348, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ *ESTRADIOL, blood/ FEMALE/ METHODS/ PLASMA, analysis/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY/ *STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM

BIOLOGICAL ASSAY

Isolation, purification and characterization of equine growth hormone. Conde RD, et al. Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al. J Clin Endocrinol Metab 36:951-64, May 73
ADENOMA, CHROMOPHOBE, pathology/ AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ LACTATION DISORDERS, pathology/ MALE/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY

Comparison of a biological and an immunological assay for the measurement of plasma renin activity. Kotchen TA, et al.
J Clin Endocrinol Metab 36:804-10, May 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DIURESIS, drug effects/ DOGS/ FUROSEMIDE, pharmacodynamics/ HEMORRHAGE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices. Onaya T, et al.
J Clin Endocrinol Metab 36:859-66, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GOITER, EXOPHTHALMIC, blood/ GUINEA PIGS/ HUMAN/ *HYPERTHYROIDISM, blood/ IGG/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, blood/ MALE/ METHODS/ MICE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics

Measurement of canine pituitary prolactin. Saluja PG, et al. J Endocrinol 56:245-58, Feb 73
ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ DENSITOMETRY/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRUS/ FEMALE/ GELS/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ SHEEP/ STAINS AND STAINING

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands Thomas MB, et al. J Endocrinol 56:599-608, Mar 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY,

ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

Douhle antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma. Emanuel RL, et al. J Lab Clin Med 81:632-40, Apr 73
*ANGIOTENSIN, hlood/ ANTIBODIES/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, hlood/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECTROPHOTOMETRY

Some practical innovations in the hiological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. J Lab Clin Med 81:803-8, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, hlood/ *CORTICOTROPIN, analysis/ CORTICOTROPIN, pharmacodynamics/ FLUOROMETRY/ HYPOPHYSECTOMY/ MALE/ METHODS/ MICROCHEMISTRY/ RATS/ SULFURIC ACIDS/ TIME FACTORS

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al.
Nature [New Biol] 241:84-5, 17 Jan 73
ADRENAL GLANDS, metaholism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, hlood/ CORTICOTROPIN, metaholism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ METHODS/ ORGAN CULTURE/ *RADIOIMMUNOASSAY

Studies of the potency of polypeptides with ACTH action by a new method based on continuous measurement of plasma corticosterone. Hajós GT, et al. Steroids Lipids Res 3:225-8, 1972
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, hlood/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ METHODS/ PEPTIDES, administration & dosage/ PEPTIDES, analysis/ *PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

BODY WEIGHT

Hormonal regulation of thermogenesis in the new-born pig. The effect of ambient temperature on urinary catecholamine excretion. Kaciuba-Uściłko H.
Biol Neonate 21:245-58, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *CATECHOLAMINES, urine/ COLD/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, hlood/ FLUOROMETRY/ METHODS/ NOREPINEPHRINE, urine/ *SWINE, physiology/ THYROXINE, hlood/ TIME FACTORS

CENTRIFUGATION

3,4-Dihydroxyphenylalanine in the urine of patients with ocular malignant melanoma. Kruszczyński T.
Pol Med J 11:1507-11, 1972
CENTRIFUGATION/ CHROMATOGRAPHY, PAPER/ *DOPA, urine/ *EYE NEOPLASMS, urine/ FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *MELANOMA, urine/ METHODS/ SODIUM HYDROXIDE/ SULFURIC ACIDS

CHEMISTRY

A radio-enzymic method for estimation of testosterone in human hlood and urine. Horn H, et al.
Steroids Lipids Res 3:101-9, 1972
ADULT/ CHEMISTRY/ ESTRADIOL, hiosynthesis/ EVALUATION STUDIES/ FEMALE/ GLUCURONIDASE/ HUMAN/ MALE/ METHODS/ MICROCHEMISTRY/ PLACENTA, enzymology/ PREGNANCY/ SEX FACTORS/ *TESTOSTERONE, analysis/ TESTOSTERONE, hlood/ TESTOSTERONE, isolation & purification/ TESTOSTERONE, urine/ TRITIUM

CHROMATOGRAPHY

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

The separation of epinephrine from norepinephrine and dopamine from DOPA on Sephadex G-10. McDonald TJ, et al. J Clin Pathol 26:37-41, Jan 73
CHROMATOGRAPHY/ *DOPA, isolation & purification/ *DOPAMINE, isolation & purification/ *EPINEPHRINE, isolation & purification/ METHODS/ *NOREPINEPHRINE, isolation & purification/ NORMETANEPHRINE, isolation & purification/ TIME FACTORS/ TRITIUM

Fluorometric determination of epinephrine in low dosage injections and in lidocaine hydrochloride-epinephrine combinations. Tames T.
J Pharm Sci 62:669-71, Apr 73
CHROMATOGRAPHY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ FLUOROMETRY/ INJECTIONS/ *LIDOCAINE, analysis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Cortisol and cortisone levels in umhilical cord plasma and maternal plasma of normal pregnancies. Dormer RA, et al. Steroids 21:497-510, Apr 73
CHICKENS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *CORTISONE, hlood/ HUMAN/ *HYDROCORTISONE, hlood/ METHODS/ PREGNANCY/ *PREGNANCY/ PROTEIN BINDING/ UMBILICAL CORD

CHROMATOGRAPHY, GAS

A sensitive gas chromatographic procedure for the estimation of noradrenaline, dopamine and 5-hydroxytryptamine in rat brain. Martin IL, et al.
Biochem Pharmacol 22:521-33, 15 Feh 73
ADSORPTION/ ALCOHOLS, BUTYL/ ALKANES/ ANHYDRIDES/ ANIMAL EXPERIMENTS/ BORATES/ *BRAIN CHEMISTRY/ BUFFERS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES/ *DOPAMINE, analysis/ ETHERS/ FLUORINE/ FLUOROMETRY/ GERM-FREE LIFE/ INDICATORS AND REAGENTS/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ *NOREPINEPHRINE, analysis/ PHOSPHATES/ RATS/ *SEROTONIN, analysis

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/

METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

The role of gas-liquid chromatography in steroid hormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73
*ADRENAL CORTEX HORMONES, urine/ ANDROGENS, urine/ *CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHODS/ PREGNANCY/ PROGESTERONE, urine/ SOLVENTS/ STEROIDS, metabolism/ *STEROIDS, urine

Androgens in skin surface lipids. Karunakaran ME, et al. J Invest Dermatol 60:121-5, Mar 73
ADULT/ *ANDROGENS, analysis/ BACK/ CHROMATOGRAPHY, GAS/ FACE/ HUMAN/ *LIPIDS, analysis/ MALE/ METHODS/ SCALP/ *SEBACEOUS GLANDS, secretion/ *SEBUM, analysis/ SKIN/ THIGH/ TRITIUM

CHROMATOGRAPHY, ION EXCHANGE

A sensitive gas chromatographic procedure for the estimation of noradrenaline, dopamine and 5-hydroxytryptamine in rat brain. Martin IL, et al.
Biochem Pharmacol 22:521-33, 15 Feb 73
ADSORPTION/ ALCOHOLS, BUTYL/ ALKANES/ ANHYDRIDES/ ANIMAL EXPERIMENTS/ BORATES/ *BRAIN CHEMISTRY/ BUFFERS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES/ *DOPAMINE, analysis/ ETHERS/ FLUORINE/ FLUOROMETRY/ GERM-FREE LIFE/ INDICATORS AND REAGENTS/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ *NOREPINEPHRINE, analysis/ PHOSPHATES/ RATS/ *SEROTONIN, analysis

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. J Endocrinol 56:599-608, Mar 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73
CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROLYSIS/ MALE/ MATHEMATICS/ METHODS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

CHROMATOGRAPHY, PAPER

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al.
Brain Res 53:139-50, 13 Apr 73
ANDROSTENES, analysis/ ANDROSTENES, isolation & purification/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, PAPER/ CYTOSOL, analysis/ CYTOSOL, metabolism/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ METHODS/ *PITUITARY GLAND, metabolism/ RATS/ TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ *TESTOSTERONE, metabolism/ TRITIUM

New compounds: synthesis of alkyl esters of D,L-dopa. Lal CM, et al. J Pharm Sci 62:510-1, Mar 73
CATALYSIS/ CHROMATOGRAPHY, PAPER/ *DOPA/ DOPA, analysis/ ESTERS, analysis/ ESTERS, chem synthesis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFHYDRYL REAGENTS

3,4-Dihydroxyphenylalanine in the urine of patients with ocular malignant melanoma. Kruszczyński T.
Pol Med J 11:1507-11, 1972
CENTRIFUGATION/ CHROMATOGRAPHY, PAPER/ *DOPA, urine/ *EYE NEOPLASMS, urine/ FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *MELANOMA, urine/ METHODS/ SODIUM HYDROXIDE/ SULFURIC ACIDS

Cortisol and cortisone levels in umbilical cord plasma and maternal plasma of normal pregnancies. Dormer RA, et al. Steroids 21:497-510, Apr 73
CHICKENS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *CORTISONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PREGNANCY/ *PREGNANCY/ PROTEIN BINDING/ UMBILICAL CORD

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73
CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROLYSIS/ MALE/ MATHEMATICS/ METHODS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

[Testosterone determination in plasma and amniotic fluid using a competitive protein binding method] Stahl F, et al.
Endokrinologie 60:322-8, 1972 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, PAPER/ ENDOCRINE DISEASES, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ SEX FACTORS/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

CHROMATOGRAPHY, THIN LAYER

A simplified radiometric assay for plasma norepinephrine and epinephrine. Passon PG, et al.
Anal Biochem 51:618-31, Feb 73
S-ADENOSYLMETHIONINE/ ALCOHOLS, AMYL/ AMINO ALCOHOLS/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE/ CATECHOLAMINES/ CHROMATOGRAPHY, THIN LAYER/ DOGS/ *EPINEPHRINE, blood/ HUMAN/ METHODS/ MICROCHEMISTRY/ *NOREPINEPHRINE, blood/ NORMETANEPHRINE/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ PHENETHYLAMINES/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TOLUENE/ TRITIUM/ VANILLIN, chem synthesis

Double-isotope derivative assay of serum iodothyronines. 3. Triiodothyronine. Hagen GA, et al.
Biochem Med 7:191-202, Apr 73
ACETYLATION/ ANHYDRIDES/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ IODINE ISOTOPES/ MATHEMATICS/ METHODS/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, isolation & purification/ TRITIUM

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/

HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

The role of gas-liquid chromatography in steroid hormone analysis. Wotiz HH, et al.
J Chromatogr Sci 11:167-74, Apr 73
*ADRENAL CORTEX HORMONES, urine/ ANDROGENS, urine/ *CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHODS/ PREGNANCY/ PROGESTERONE, urine/ SOLVENTS/ STEROIDS, metabolism/ *STEROIDS, urine

Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al.
J Clin Endocrinol Metab 36:937-43, May 73
ADULT/ AGED/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ KIDNEY DISEASES, blood/ LIVER DISEASES, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al.
J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. Lab Pract 22:348, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ *ESTRADIOL, blood/ FEMALE/ METHODS/ PLASMA, analysis/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY/ *STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM

[Progesterone determination from the plasma of pregnant women using chromatography spectrophotometry] Weiss PA.
Endokrinologie 61:1-8, 1973 (Eng. Abstr.) (Ger)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY

[Immunochemical LH determination and pregnanediol excretion during the normal cycle] Tenhaeff D, et al.
Zentralbl Gynaekol 95:241-6, 23 Feb 73 (Ger)
ADULT/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HUMAN/ *LH, analysis/ *MENSTRUATION/ METHODS/ OVULATION/ PREGNANCY TESTS, IMMUNOLOGIC/ *PREGNANEDIOL, urine

COLORIMETRY

Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Kolthoff reactions. Keller HE, et al. Ann NY Acad Sci 220:3-14, 23 Mar 73
AUTOANALYSIS/ CATALYSIS/ CHLORIDES, analysis/ CHLORINE, analysis/ COLORIMETRY/ IODIDES, metabolism/ *IODINE, analysis/ IODINE, metabolism/ KINETICS/ MATHEMATICS/ METHODS/ SODIUM CHLORIDE, analysis/ SPECTRUM ANALYSIS/ TEMPERATURE/ WATER, analysis/ *WATER SUPPLY

Colorimetric determination of corticosteroids using ammonium molybdate. 1. Ibrahim el-S A, et al.
Pharmazie 28:195-6, Mar 73
*ADRENAL CORTEX HORMONES, analysis/ AMMONIUM COMPOUNDS/ COLORIMETRY/ METHODS/ MOLECULAR CONFORMATION/ *MOLYBDENUM/ POWDERS, analysis/ REGRESSION ANALYSIS/ TABLETS, analysis

COMPARATIVE STUDY

An automated method for the determination of estrogens in pregnancy urine. Craig A, et al.
Clin Biochem 6:34-40, Mar 73
AUTOANALYSIS/ COMPARATIVE STUDY/ ESTRIOL, urine/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ FLUORESCENCE SPECTROMETRY/ GESTATIONAL AGE/ GLUCOSE/ GLUCURONATES/ GLUCURONIDASE/ GLYCOSURIA, urine/ HUMAN/ HYDROLYSIS/ INDICATORS AND REAGENTS/ METHODS/ OSMOLAR CONCENTRATION/ *PREGNANCY/ QUALITY CONTROL/ SULFURIC ACIDS, diagnostic use/ TIME FACTORS

Stanbio and "Tekit" methods for placental estrogens compared. Besch PG, et al. Clin Chem 19:434, Apr 73
COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PLACENTA/ PREGNANCY

Comparison of ammonium sulfate precipitation and resin adsorption methods for routine measurements of total urinary estrogens in pregnancy. Hagerman DD, et al. Gynecol Invest 3:195-202, 1972
ADSORPTION/ *AMMONIUM COMPOUNDS, diagnostic use/ AMMONIUM SULFATE, diagnostic use/ COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *ION EXCHANGE RESINS, diagnostic use/ METHODS/ PRECIPITATION/ *PREGNANCY/ PREGNANCY IN DIABETES, urine

Comparison of a biological and an immunological assay for the measurement of plasma renin activity. Kotchen TA, et al.
J Clin Endocrinol Metab 36:804-10, May 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DIURESIS, drug effects/ DOGS/ FUROSEMIDE, pharmacodynamics/ HEMORRHAGE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

Double antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma. Emanuel RL, et al. J Lab Clin Med 81:632-40, Apr 73
*ANGIOTENSIN, blood/ ANTIBODIES/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECTROPHOTOMETRY

Evaluation of serum thyroxine by radioimmunoassay. Beckers C, et al. J Nucl Med 14:317-20, Jun 73
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ *THYROXINE, blood

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al.
Nature [New Biol] 241:84-5, 17 Jan 73

ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ METHODS/ ORGAN CULTURE/ *RADIOIMMUNOASSAY

[Thyroid function. A new in vitro test: the Effective Thyroxine Ratio, routine examination determining active thyroxine in the serum] Vallée G. **Nouv Presse Med 1:2986-9, 9 Dec 72 (Eng. Abstr.) (Fre)** AUTOMATIC DATA PROCESSING/ BINDING SITES/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

DENSITOMETRY

Measurement of canine pituitary prolactin. Saluja PG, et al. **J Endocrinol 56:245-58, Feb 73** ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ DENSITOMETRY/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRUS/ FEMALE/ GELS/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ SHEEP/ STAINS AND STAINING

DENSITOMETRY, X-RAY

INSTRUMENTATION

A television scanning system for the measurement of the spatial variation of micro-density in bone sections. McQueen CM, et al. **Calcif Tissue Res 11:124-32, 19 Feb 73** ANIMAL EXPERIMENTS/ *BONE AND BONES, radiography/ COMPUTERS/ DENSITOMETRY, X-RAY, instrumentation/ HUMAN/ METHODS/ MICRORADIOGRAPHY/ RABBITS/ *TELEVISION

ELECTROPHORESIS, DISK

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al. **Am J Vet Res 34:631-6, May 73** ANIMAL EXPERIMENTS/ ANTIBODIES/ CATHETERIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, DISK/ *ESTRUS/ FEMALE/ GONADOTROPINS, EQUINE/ *HORSES, physiology/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ LH, isolation & purification/ METHODS/ OVULATION/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS

Isolation, purification and characterization of equine growth hormone. Conde RD, et al. **Eur J Biochem 32:563-8, 1 Feb 73** AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al. **J Clin Endocrinol Metab 36:951-64, May 73** ADENOMA, CHROMOPHOBE, pathology/ AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ LACTATION DISORDERS, pathology/ MALE/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY

Measurement of canine pituitary prolactin. Saluja PG, et al. **J Endocrinol 56:245-58, Feb 73** ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ DENSITOMETRY/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRUS/ FEMALE/ GELS/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ SHEEP/ STAINS AND STAINING

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. **J Endocrinol 56:599-608, Mar 73** BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

[Heterogeneity of purified human chorionic somatomammotrophic hormone] Belleville F, et al. **C R Soc Biol (Paris) 166:1060-4, 1972 (Fre)** ALDEHYDES/ DITHIOTHREITOL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTARATES/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, isolation & purification/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ SULFUR

FILTRATION

3,4-Dihydroxyphenylalanine in the urine of patients with ocular malignant melanoma. Kruszczyński T. **Pol Med J 11:1507-11, 1972** CENTRIFUGATION/ CHROMATOGRAPHY, PAPER/ *DOPA, urine/ *EYE NEOPLASMS, urine/ FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *MELANOMA, urine/ METHODS/ SODIUM HYDROXIDE/ SULFURIC ACIDS

FLUORESCENCE

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al. **J Histochem Cytochem 21:253-65, Mar 73** CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

FLUORESCENCE SPECTROMETRY

An automated fluorometric method for the estimation of dopamine in brain tissue extracts. Waldmeier P, et al. **Anal Biochem 51:474-81, Feb 73** ANIMAL EXPERIMENTS/ AUTOANALYSIS,

instrumentation/ BRAIN, drug effects/ *BRAIN CHEMISTRY/ CATECHOL/ DOPA/ *DOPAMINE, analysis/ EPINEPHRINE/ FLUORESCENCE SPECTROMETRY/ METHODS/ METHYLTYROSINES, pharmacodynamics/ MICROCHEMISTRY/ NOREPINEPHRINE/ RATS

An automated method for the determination of estrogens in pregnancy urine. Craig A, et al. Clin Biochem 6:34-40, Mar 73
AUTOANALYSIS/ COMPARATIVE STUDY/ ESTRIOL, urine/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ FLUORESCENCE SPECTROMETRY/ GESTATIONAL AGE/ GLUCOSE/ GLUCURONATES/ GLUCURONIDASE/ GLYCOSURIA, urine/ HUMAN/ HYDROLYSIS/ INDICATORS AND REAGENTS/ METHODS/ OSMOLAR CONCENTRATION/ *PREGNANCY/ QUALITY CONTROL/ SULFURIC ACIDS, diagnostic use/ TIME FACTORS

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al. Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al. J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73
CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROLYSIS/ MALE/ MATHEMATICS/ METHODS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

FLUOROMETRY

A sensitive gas chromatographic procedure for the estimation of noradrenaline, dopamine and 5-hydroxytryptamine in rat brain. Martin IL, et al. Biochem Pharmacol 22:521-33, 15 Feb 73
ADSORPTION/ ALCOHOLS, BUTYL/ ALKANES/ ANHYDRIDES/ ANIMAL EXPERIMENTS/ BORATES/ *BRAIN CHEMISTRY/ BUFFERS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES/ *DOPAMINE, analysis/ ETHERS/ FLUORINE/ FLUOROMETRY/ GERM-FREE LIFE/ INDICATORS AND REAGENTS/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ *NOREPINEPHRINE, analysis/ PHOSPHATES/ RATS/ *SEROTONIN, analysis

Hormonal regulation of thermogenesis in the new-born pig. The effect of ambient temperature on urinary catecholamine excretion. Kaciuba-Uściłko H. Biol Neonate 21:245-58, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *CATECHOLAMINES, urine/ COLD/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ FLUOROMETRY/ METHODS/ NOREPINEPHRINE, urine/ *SWINE, physiology/ THYROXINE, blood/ TIME FACTORS

Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. J Lab Clin Med 81:803-8, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, blood/ *CORTICOTROPIN, analysis/ CORTICOTROPIN, pharmacodynamics/ FLUOROMETRY/ HYPOPHYSECTOMY/ MALE/ METHODS/ MICROCHEMISTRY/ RATS/ SULFURIC ACIDS/ TIME FACTORS

Fluorometric determination of epinephrine in low dosage injections and in lidocaine hydrochloride-epinephrine combinations. Tames T. J Pharm Sci 62:669-71, Apr 73
CHROMATOGRAPHY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ FLUOROMETRY/ INJECTIONS/ *LIDOCAINE, analysis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Fluorimetric estimation of testosterone and epi-testosterone in urine and plasma. Eechaute W, et al. Steroids 21:409-22, Mar 73
CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROLYSIS/ MALE/ MATHEMATICS/ METHODS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. Steroids 21:565-82, Apr 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ FETUS, blood supply/ FLUOROMETRY/ GOATS/ HEAT/ HUMAN/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MENSTRUATION/ METHODS/ OVARY, blood supply/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOLIGAND ASSAY/ SHEEP/ SPECTROPHOTOMETRY/ UTERUS, blood supply

GEL FILTRATION

Serum triiodothyronine determination by saturation analysis. Burger A, et al. Acta Endocrinol (Kbh) 72:714-26, Apr 73
GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ THYROID DISEASES, blood/ THYROXINE, analysis/ THYROXINE-BINDING PROTEIN, pharmacodynamics/ TRIIODOTHYRONINE, analysis/ *TRIIODOTHYRONINE, blood

Isolation, purification and characterization of equine growth hormone. Conde RD, et al. Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum. Nett TM, et al. J Clin Endocrinol Metab 36:880-5, May 73

ANIMAL EXPERIMENTS/ ANTIBODIES/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS/ HALF-LIFE/ HYPOTHALAMUS/ IODINE ISOTOPES/ MACACA/ MALE/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ SWINE

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. J Endocrinol 56:599-608, Mar 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

HISTOCYTOCHEMISTRY

Uptake, binding and metabolism of testosterone in rat brain tissues. Monbon M, et al.
Brain Res 53:139-50, 13 Apr 73
ANDROSTENES, analysis/ ANDROSTENES, isolation & purification/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, PAPER/ CYTOSOL, analysis/ CYTOSOL, metabolism/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ METHODS/ *PITUITARY GLAND, metabolism/ RATS/ TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ *TESTOSTERONE, metabolism/ TRITIUM

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al.
J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al.
Nature [New Biol] 241:84-5, 17 Jan 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ METHODS/ ORGAN CULTURE/ *RADIOIMMUNOASSAY

IMMUNOELECTROPHORESIS

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al.
Acta Endocrinol (Kbh) 72:643-53, Apr 73
*ALCOHOL, ETHYL, pharmacodynamics/ AMMONIUM COMPOUNDS/ ANTIGENS/ *BINDING SITES, ANTIBODY/ BUFFERS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, blood/ *FSH, isolation & purification/ HUMAN/ HYPOPHYSECTOMY/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LH, blood/ *LH, isolation & purification/ MENOPAUSE/ MENSTRUATION/ METHODS/ PRECIPITATION/ RADIOIMMUNOASSAY

ION EXCHANGE RESINS

DIAGNOSTIC USE

Comparison of ammonium sulfate precipitation and resin adsorption methods for routine measurements of total urinary estrogens in pregnancy. Hagerman DD, et al. Gynecol Invest 3:195-202, 1972
ADSORPTION/ *AMMONIUM COMPOUNDS, diagnostic use/ AMMONIUM SULFATE, diagnostic use/ COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *ION EXCHANGE RESINS, diagnostic use/ METHODS/ PRECIPITATION/ *PREGNANCY/ PREGNANCY IN DIABETES, urine

ISOELECTRIC FOCUSING

Isolation, purification and characterization of equine growth hormone. Conde RD, et al.
Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al.
J Clin Endocrinol Metab 36:951-64, May 73
ADENOMA, CHROMOPHOBE, pathology/ AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ LACTATION DISORDERS, pathology/ MALE/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY

Measurement of canine pituitary prolactin. Saluja PG, et al. J Endocrinol 56:245-58, Feb 73
ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ DENSITOMETRY/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRUS/ FEMALE/ GELS/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ SHEEP/ STAINS AND STAINING

MASS SPECTRUM ANALYSIS

A sensitive gas chromatographic procedure for the estimation of noradrenaline, dopamine and 5-hydroxytryptamine in rat brain. Martin IL, et al.
Biochem Pharmacol 22:521-33, 15 Feb 73
ADSORPTION/ ALCOHOLS, BUTYL/ ALKANES/ ANHYDRIDES/ ANIMAL EXPERIMENTS/ BORATES/ *BRAIN CHEMISTRY/ BUFFERS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES/ *DOPAMINE, analysis/ ETHERS/ FLUORINE/ FLUOROMETRY/ GERM-FREE LIFE/ INDICATORS AND REAGENTS/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ *NOREPINEPHRINE, analysis/ PHOSPHATES/ RATS/ *SEROTONIN, analysis

MICROCHEMISTRY

A simplified radiometric assay for plasma norepinephrine and epinephrine. Passon PG, et al.
Anal Biochem 51:618-31, Feb 73
S-ADENOSYLMETHIONINE/ ALCOHOLS, AMYL/ AMINO ALCOHOLS/ CARBON ISOTOPES/ CATECHOL

METHYLTRANSFERASE/ CATECHOLAMINES/ CHROMATOGRAPHY, THIN LAYER/ DOGS/ *EPINEPHRINE, blood/ HUMAN/ METHODS/ MICROCHEMISTRY/ *NOREPINEPHRINE, blood/ NORMETANEPHRINE/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ PHENETHYLAMINES/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TOLUENE/ TRITIUM/ VANILLIN, chem synthesis

An automated fluorometric method for the estimation of dopamine in brain tissue extracts. Waldmeier P, et al. Anal Biochem 51:474-81, Feb 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS, instrumentation/ BRAIN, drug effects/ *BRAIN CHEMISTRY/ CATECHOL/ DOPA/ *DOPAMINE, analysis/ EPINEPHRINE/ FLUORESCENCE SPECTROMETRY/ METHODS/ METHYLTYROSINES, pharmacodynamics/ MICROCHEMISTRY/ NOREPINEPHRINE/ RATS

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al. J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH). Nicholson WE, et al. J Lab Clin Med 81:803-8, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, blood/ *CORTICOTROPIN, analysis/ CORTICOTROPIN, pharmacodynamics/ FLUOROMETRY/ HYPOPHYSECTOMY/ MALE/ METHODS/ MICROCHEMISTRY/ RATS/ SULFURIC ACIDS/ TIME FACTORS

A radio-enzymic method for estimation of testosterone in human blood and urine. Horn H, et al. Steroids Lipids Res 3:101-9, 1972
ADULT/ CHEMISTRY/ ESTRADIOL, biosynthesis/ EVALUATION STUDIES/ FEMALE/ GLUCURONIDASE/ HUMAN/ MALE/ METHODS/ MICROCHEMISTRY/ PLACENTA, enzymology/ PREGNANCY/ SEX FACTORS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TESTOSTERONE, urine/ TRITIUM

ORGAN WEIGHT

Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Kerr GR, et al. Biol Neonate 21:282-95, 1972
ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ *HYPOTHYROIDISM, embryology/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES/ MACACA, embryology/ METHODS/ MONKEYS/ ORGAN WEIGHT/ PREGNANCY/ THYROID GLAND, physiology/ THYROID HORMONES, analysis/ *THYROID HORMONES, metabolism/ TIME FACTORS

PRECIPITATION

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate. Römmler A, et al. Acta Endocrinol (Kbh) 72:643-53, Apr 73
*ALCOHOL, ETHYL, pharmacodynamics/ AMMONIUM COMPOUNDS/ ANTIGENS/ *BINDING SITES, ANTIBODY/ BUFFERS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, blood/ *FSH, isolation & purification/ HUMAN/ HYPOPHYSECTOMY/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LH, blood/ *LH, isolation & purification/ MENOPAUSE/ MENSTRUATION/ METHODS/ PRECIPITATION/ RADIOIMMUNOASSAY

Isolation, purification and characterization of equine growth hormone. Conde RD, et al. Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

Comparison of ammonium sulfate precipitation and resin adsorption methods for routine measurements of total urinary estrogens in pregnancy. Hagerman DD, et al. Gynecol Invest 3:195-202, 1972
ADSORPTION/ *AMMONIUM COMPOUNDS, diagnostic use/ AMMONIUM SULFATE, diagnostic use/ COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *ION EXCHANGE RESINS, diagnostic use/ METHODS/ PRECIPITATION/ *PREGNANCY/ PREGNANCY IN DIABETES, urine

PROTEIN BINDING

Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. Clin Chem 19:511-5, May 73
*ADRENAL CORTEX HORMONES, analysis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, urine/ BINDING, COMPETITIVE/ CORTICOSTERONE, blood/ DOGS/ HORSES/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ TRANSCORTIN, diagnostic use/ TRITIUM

An economical method for determining tritium content in competitive protein binding assays for steroid hormones. Connell GM, et al. Int J Appl Radiat Isot 24:239-40, Apr 73
BINDING, COMPETITIVE/ *HYDROCORTISONE, analysis/ *17-HYDROXYCORTICOSTEROIDS, analysis/ METHODS/ PROTEIN BINDING/ *TESTOSTERONE, analysis/ TRITIUM

The immunochemical specificity of antisera to bovine parathyroid hormone: an approach to region-specific radioimmunoassay. Murray TM, et al. J Endocrinol 56:493-501, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, analysis/ PROTEIN BINDING/ RADIOIMMUNOASSAY

Cortisol and cortisone levels in umbilical cord plasma and maternal plasma of normal pregnancies. Dormer RA, et al. Steroids 21:497-510, Apr 73
CHICKENS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *CORTISONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PREGNANCY/ *PREGNANCY/ PROTEIN BINDING/ UMBILICAL CORD

Competitive protein binding assay of progesterone without chromatography. Pichon MF, et al. Steroids 21:335-46, Mar 73
ADSORPTION/ AGE FACTORS/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ BUFFERS/ CELLULOSE/ CHARCOAL/

FEMALE/ HUMAN/ MENSTRUATION/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ *PROTEIN BINDING/ SEX FACTORS/ SOLVENTS/ TIME FACTORS/ TRITIUM

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. Steroids 21:565-82, Apr 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ FETUS, blood supply/ FLUOROMETRY/ GOATS/ HEAT/ HUMAN/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MENSTRUATION/ METHODS/ OVARY, blood supply/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOLIGAND ASSAY/ SHEEP/ SPECTROPHOTOMETRY/ UTERUS, blood supply

[Testosterone determination in plasma and amniotic fluid using a competitive protein binding method] Stahl F, et al.
Endokrinologie 60:322-8, 1972 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, PAPER/ ENDOCRINE DISEASES, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ SEX FACTORS/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

RADIOIMMUNOASSAY

Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate.. Römmler A, et al.
Acta Endocrinol (Kbh) 72:643-53, Apr 73
*ALCOHOL, ETHYL, pharmacodynamics/ AMMONIUM COMPOUNDS/ ANTIGENS/ *BINDING SITES, ANTIBODY/ BUFFERS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, blood/ *FSH, isolation & purification/ HUMAN/ HYPOPHYSECTOMY/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LH, blood/ *LH, isolation & purification/ MENOPAUSE/ MENSTRUATION/ METHODS/ PRECIPITATION/ RADIOIMMUNOASSAY

Radioimmunoassay and its application in the measurement of triiodothyronine. Brown ML.
Am J Hosp Pharm 30:336-9, Apr 73
ANTIBODY SPECIFICITY/ FREUND'S ADJUVANT/ HUMAN/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ PRECIPITIN TESTS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SERUM ALBUMIN, RADIO-IODINATED/ TRIIODOTHYRONINE, analysis/ *TRIIODOTHYRONINE, blood

A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. Am J Obstet Gynecol 115:169-80, 15 Jan 73
ALCOHOL, METHYL/ CHARCOAL/ CROSS REACTIONS/ DEXTRAN/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, standards/ SHEEP, immunology/ TIME FACTORS

Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay. Whitmore HL, et al.
Am J Vet Res 34:631-6, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ CATHETERIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, DISK/ *ESTRUS/ FEMALE/ GONADOTROPINS, EQUINE/ *HORSES, physiology/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ LH, isolation & purification/ METHODS/ OVULATION/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS

Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Blake CA, et al.
Biol Reprod 8:299-305, Apr 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ FSH, administration & dosage/ HAMSTERS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ SPECIES SPECIFICITY/ THYROTROPIN, administration & dosage

Radioimmunoassay of triiodothyronine in unextracted human serum. Hesch RD, et al.
Br Med J 1:645-8, 17 Mar 73
ADULT/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay. Ficher M, et al. Clin Chem 19:511-5, May 73
*ADRENAL CORTEX HORMONES, analysis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, urine/ BINDING, COMPETITIVE/ CORTICOSTERONE, blood/ DOGS/ HORSES/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ TRANSCORTIN, diagnostic use/ TRITIUM

Radioimmunoassay of ovine FSH. Kragt CL, et al.
J Anim Sci 36:908-13, May 73
ANIMAL EXPERIMENTS/ FEMALE/ *FSH, analysis/ GEL DIFFUSION TESTS/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *RADIOIMMUNOASSAY/ RATS/ SHEEP

Insulin turnover and irreversible loss rate in horses. Madigan JE, et al. J Anim Sci 36:730-3, Apr 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ GLUCOSE, administration & dosage/ HALF-LIFE/ *HORSES, metabolism/ INJECTIONS, INTRAVENOUS/ INSULIN, administration & dosage/ *INSULIN, blood/ IODINE ISOTOPES/ METHODS/ RADIOIMMUNOASSAY/ SWINE

Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel. Ben-David M, et al.
J Clin Endocrinol Metab 36:951-64, May 73
ADENOMA, CHROMOPHOBE, pathology/ AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ LACTATION DISORDERS, pathology/ MALE/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY

Comparison of a biological and an immunological assay for the measurement of plasma renin activity. Kotchen TA, et al.
J Clin Endocrinol Metab 36:804-10, May 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DIURESIS, drug effects/ DOGS/ FUROSEMIDE, pharmacodynamics/ HEMORRHAGE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

METHOD SECTION

A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum. Nett TM, et al. J Clin Endocrinol Metab 36:880-5, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS/ HALF-LIFE/ HYPOTHALAMUS/ IODINE ISOTOPES/ MACACA/ MALE/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ SWINE

Plasma cortisone concentration as measured by radioimmunoassay. Srivastava LS, et al. J Clin Endocrinol Metab 36:937-43, May 73
ADULT/ AGED/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ KIDNEY DISEASES, blood/ LIVER DISEASES, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

Determination of iodothyronine absorption and conversion of L-thyroxine (T 4) to L-triiodothyronine (T 3) using turnover rate techniques. Surks MI, et al. J Clin Invest 52:805-11, Apr 73
ABSORPTION/ HUMAN/ *HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ KINETICS/ METABOLIC CLEARANCE RATE/ METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ THYROXINE, metabolism/ *TRIIODOTHYRONINE, blood

A solid phase radioimmunoassay for ovine and caprine prolactin using sepharose 6B: its application to the measurement of circulating levels of prolactin before and during parturition in the goat. Hart IC. J Endocrinol 55:51-62, Oct 72
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *GOATS, physiology/ GUINEA PIGS, immunology/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ *LABOR/ METHODS/ POLYSACCHARIDES/ PREGNANCY/ *PROLACTIN, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ UTERUS, physiology

Radioimmunoassay of luteinizing hormone releasing factor. Jeffcoate SL, et al. J Endocrinol 57:189-90, Apr 73
ANIMAL EXPERIMENTS/ IODINE ISOTOPES/ *LH/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, urine/ RABBITS/ RADIOIMMUNOASSAY

The immunochemical specificity of antisera to bovine parathyroid hormone: an approach to region-specific radioimmunoassay. Murray TM, et al. J Endocrinol 56:493-501, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, analysis/ PROTEIN BINDING/ RADIOIMMUNOASSAY

A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands. Thomas MB, et al. J Endocrinol 56:599-608, Mar 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

Double antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma. Emanuel RL, et al. J Lab Clin Med 81:632-40, Apr 73
*ANGIOTENSIN, blood/ ANTIBODIES/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECTROPHOTOMETRY

Variability of hormone concentrations and ratios in commercial sera used for tissue culture. Esber HJ, et al. J Natl Cancer Inst 50:559-62, Feb 73
ANIMAL EXPERIMENTS/ *BLOOD/ CATTLE/ *CULTURE MEDIA/ *ESTRADIOL, blood/ *ESTRONE, blood/ FETUS, analysis/ *INSULIN, blood/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TISSUE CULTURE

Evaluation of serum thyroxine by radioimmunoassay. Beckers C, et al. J Nucl Med 14:317-20, Jun 73
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ *THYROXINE, blood

Plasma oestriol in pre-eclampsia. Masson GM. J Obstet Gynaecol Br Commonw 80:206-9, Mar 73
ALBUMINURIA, complications/ BLOOD PRESSURE/ *ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ METHODS/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/ PREGNANCY TOXEMIAS, diagnosis/ RADIOIMMUNOASSAY

Radioimmunoassay for equine luteinizing hormone. Anand AS, et al. J Reprod Fertil 32:475-7, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ HORSES/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

A calcitonin radioimmunoassay: in vivo evaluation of calcitonin secretion in the pig. Pento JT, et al. Metabolism 22:735-44, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ GUINEA PIGS, immunology/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ THYROCALCITONIN, analysis/ THYROCALCITONIN, blood/ *THYROCALCITONIN, secretion

Technics of radioimmunoassay for insulin. Glick SM. N Engl J Med 288:973, 3 May 73
HUMAN/ *INSULIN, blood/ INSULIN ANTIBODIES, analysis/ METHODS/ *RADIOIMMUNOASSAY

Establishment of human malignant melanoma clonal cell lines that secrete ectopic adrenocorticotropin. Orth DN. Nature [New Biol] 242:26-8, 7 Mar 73
*CELLS, CULTURED, metabolism/ CHROMOSOME ABNORMALITIES/ CLONE CELLS/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, biosynthesis/ HUMAN/ KARYOTYPING/ MELANOMA, familial & genetic/ *MELANOMA, metabolism/ MELANOMA, pathology/ METHODS/ MICROSCOPY, PHASE CONTRAST/ RADIOIMMUNOASSAY/ SKIN NEOPLASMS, familial & genetic/ *SKIN NEOPLASMS, metabolism/ SKIN NEOPLASMS, pathology

Comparison of the redox assay for ACTH with previous assays. Rees LH, et al. Nature [New Biol] 241:84-5, 17 Jan 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ METHODS/ ORGAN CULTURE/ *RADIOIMMUNOASSAY

Importance of T 3 (triiodothyronine) secretion in

altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy. Nejad IF, et al.
Trans Assoc Am Physicians 85:295-308, 1972
ANIMAL EXPERIMENTS/ *COLD/ GUINEA PIGS/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, physiopathology/ HYPOPHYSECTOMY/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES/ METHODS/ RADIOIMMUNOASSAY/ RATS/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROIDECTOMY/ THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, pharmacodynamics/ *TRIIODOTHYRONINE, secretion

[Radioimmunologic assay with immunoadsorbants of rabbit FSH and LH gonadotropins; physiological applications] Dufy-Barbe L, et al.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 (Eng. Abstr.) (Fre)
ADSORPTION/ ANIMAL EXPERIMENTS/ CASTRATION/ CELLULOSE/ COITUS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ FSH, analysis/ *FSH, blood/ FSH, secretion/ IMMUNE SERUMS/ LH, analysis/ *LH, blood/ LH, secretion/ MALE/ METHODS/ OVARY/ OVULATION/ RABBITS/ *RADIOIMMUNOASSAY/ TIME FACTORS

[Heterogeneity of purified human chorionic somatomammotrophic hormone] Belleville F, et al.
C R Soc Biol (Paris) 166:1060-4, 1972 (Fre)
ALDEHYDES/ DITHIOTHREITOL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTARATES/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, isolation & purification/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ SULFUR

[Rapid method for radio-immunochemical determination of plasma renin activity] Vincent M, et al.
Rev Eur Etud Clin Biol 17:1001-6, Dec 72 (Eng. Abstr.) (Fre)
ANGIOTENSIN, analysis/ *ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HUMAN/ IMMUNE SERUMS/ METHODS/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RENIN, analysis/ *RENIN, blood

STANDARDS

A rapid radioimmunoassay for plasma estrogen. Wu CH, et al. **Am J Obstet Gynecol 115:169-80, 15 Jan 73**
ALCOHOL, METHYL/ CHARCOAL/ CROSS REACTIONS/ DEXTRAN/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, standards/ SHEEP, immunology/ TIME FACTORS

RADIOLIGAND ASSAY

Human growth hormone radioreceptor assay using cultured human lymphocytes. Lesniak MA, et al.
Nature [New Biol] 241:20-2, 3 Jan 73
ACROMEGALY, blood/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CATTLE/ CELLS, CULTURED/ HUMAN/ IODINE ISOTOPES/ *LYMPHOCYTES, metabolism/ METHODS/ PROLACTIN, metabolism/ *RADIOLIGAND ASSAY/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ SPECIES SPECIFICITY/ SWINE

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. **Steroids 21:565-82, Apr 73**
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ FETUS, blood supply/ FLUOROMETRY/ GOATS/ HEAT/ HUMAN/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MENSTRUATION/ METHODS/ OVARY, blood supply/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOLIGAND ASSAY/ SHEEP/ SPECTROPHOTOMETRY/ UTERUS, blood supply

[Progesterone determination using progesterone binding protein] Hirukawa E, et al.
Clin Endocrinol (Tokyo) 21:211-7, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ FEMALE/ GUINEA PIGS/ METHODS/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ *RADIOLIGAND ASSAY

SPECTROPHOTOMETRY

New method for determination of 21-hydroxy corticosteroids. Görög S, et al.
Anal Chem 44:1079-81, May 72
*HYDROXYCORTICOSTEROIDS, analysis/ METHODS/ QUINOXALINES, analysis/ SPECTROPHOTOMETRY

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

Double antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma. Emanuel RL, et al. **J Lab Clin Med 81:632-40, Apr 73**
*ANGIOTENSIN, blood/ ANTIBODIES/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECTROPHOTOMETRY

Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Culbert J. **Lab Pract 22:348, May 73**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ *ESTRADIOL, blood/ FEMALE/ METHODS/ PLASMA, analysis/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY/ *STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM

Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Shutt DA, et al. **Steroids 21:565-82, Apr 73**
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ FETUS, blood supply/ FLUOROMETRY/ GOATS/ HEAT/ HUMAN/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MENSTRUATION/ METHODS/ OVARY, blood supply/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOLIGAND ASSAY/ SHEEP/ SPECTROPHOTOMETRY/ UTERUS, blood supply

[Progesterone determination from the plasma of pregnant women using chromatography spectrophotometry] Weiss PA.

Endokrinologie 61:1-8, 1973 (Eng. Abstr.) (Ger)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY

SPECTROPHOTOMETRY, INFRARED

Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol). Falkay G, et al.
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

New compounds: synthesis of alkyl esters of D,L-dopa.
Lal CM, et al. J Pharm Sci 62:510-1, Mar 73
CATALYSIS/ CHROMATOGRAPHY, PAPER/ *DOPA/ DOPA, analysis/ ESTERS, analysis/ ESTERS, chem synthesis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFHYDRYL REAGENTS

SPECTROPHOTOMETRY, ULTRAVIOLET

New compounds: synthesis of alkyl esters of D,L-dopa.
Lal CM, et al. J Pharm Sci 62:510-1, Mar 73
CATALYSIS/ CHROMATOGRAPHY, PAPER/ *DOPA/ DOPA, analysis/ ESTERS, analysis/ ESTERS, chem synthesis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFHYDRYL REAGENTS

Fluorometric determination of epinephrine in low dosage injections and in lidocaine hydrochloride-epinephrine combinations. Tames T.
J Pharm Sci 62:669-71, Apr 73
CHROMATOGRAPHY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ FLUOROMETRY/ INJECTIONS/ *LIDOCAINE, analysis/ METHODS/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

SPECTRUM ANALYSIS

Kinetic studies on optimal conditions for the automated determination of low iodine concentrations by the Sandell-Kolthoff reactions.
Keller HE, et al. Ann NY Acad Sci 220:3-14, 23 Mar 73
AUTOANALYSIS/ CATALYSIS/ CHLORIDES, analysis/ CHLORINE, analysis/ COLORIMETRY/ IODIDES, metabolism/ *IODINE, analysis/ IODINE, metabolism/ KINETICS/ MATHEMATICS/ METHODS/ SODIUM CHLORIDE, analysis/ SPECTRUM ANALYSIS/ TEMPERATURE/ WATER, analysis/ *WATER SUPPLY

Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid. Björklund A, et al.
J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

ULTRACENTRIFUGATION

Isolation, purification and characterization of equine growth hormone. Conde RD, et al.
Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

These citations were selected from the Current Catalog publications of the National Library of Medicine Cumulative Listing, January-March, 1973.

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

-METABOLISM

Andersson, Rolf G. G. Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Linköping, 1972. 59 p. illus. (Acta physiologica Scandinavica. Supplementum 382) ISBN 0-91-7222-010-4. Linköping University medical dissertations, no. 7.
DNLM: W1 AC9241 no.382 1972
XNLM: [QU 58 A549c 1972] Cit. No. 353724

ADRENAL CORTEX HORMONES

-PHYSIOLOGY

Lindholm, Jörgen. Studies on some parameters of adrenocortical function. Copenhagen, Periodica, 1973. 155 p. illus. (Acta endocrinologica. Supplementum 172) ISBN 87-7494-070-8. Afhandling - Copenhagen. Summary in Danish.

DNLM: W1 AC7981 no.172 1973
XNLM: [WK 755 L745s 1973] Cit. No. 351261

ADRENAL GLAND DISEASES

-PHYSIOPATHOLOGY

Medical Communications, inc. The adrenal gland. [Editorial board: George W. Thorn, et al. New York, 1971] 131 p. illus. (Clinician, 1) Prepared for G. D. Searle & Co.
DNLM: WK 700 M489a 1971 Cit. No. 353547

ADRENAL GLAND NEOPLASMS

-RADIOGRAPHY

Perepust, Lidiia Aleksandrovna. Rentgenodiagnostika opukholei nadpochechnikov. Moskva, Meditsina, 1972. 214 p. illus.

DNLM: WK 780 P437r 1972 Cit. No. 346724

ADRENAL GLANDS

-GROWTH & DEVELOPMENT

Budras, Klaus-D. Das Epoophoron der Henne und die Transformation seiner Epithelzellen in Interrenal- und Interstitialzellen. Berlin, New York, Springer-Verlag, 1972. 72 p. illus. (Ergebnisse der Anatomie und Entwicklungsgeschichte, Bd. 46, Heft 3) ISBN 3-540-05978-4. Summary in English.

DNLM: W1 ER259 Bd.46 Heft 3 1972
XNLM: [WK 700 B927e 1972] Cit. No. 347660

-PHYSIOLOGY

Clerch, Anthony R., 1917- Adrenal cortex function. Chicago, American Society of Clinical Pathologists, Commission on Continuing Education [c1972] 48 leaves. illus., ports.
DNLM: WK 750 C629a 1972 Cit. No. 353502

Medical Communications, inc. The adrenal gland. [Editorial board: George W. Thorn, et al. New York, 1971] 131 p. illus. (Clinician, 1) Prepared for G. D. Searle & Co.
DNLM: WK 700 M489a 1971 Cit. No. 353547

ADRENAL MEDULLA

Hingerty, Daniel. Clinical chemistry of the adrenal medulla, by Daniel Hingerty and Aidan O'Boyle. Springfield, Ill., Thomas [c1972] xi, 124 p. (American lecture series, no. 850. American lectures in living chemistry) ISBN 0-398-02454-5. Bibliography: p. 103-119.

DNLM: WK 725 H663c 1972 Cit. No. 347117

ANDROGENS

-ANTAGONISTS & INHIBITORS

Schering Symposium über Sexualdeviationen und ihre Medikamentöse Behandlung, Berlin, 1971. Schering Symposium über Sexualdeviationen und ihre Medikamentöse Behandlung, Berlin 17. und 18. Mai 1971. Editor: G. Raspé. Associate editor: S. Bernhard. Translation by J. Long and E. Steyer. Oxford, New York, Pergamon Press [1972] 221 p. illus. (Life sciences monographs, 2) ISBN 0-08-017596-1. Summaries in English.
DNLM: W1 LI4067L no.2 1972
XNLM: [WM 610 S326s 1971] Cit. No. 351076

BONE AND BONES

-PHYSIOLOGY

Frost, Harold Maurice, 1921- Bone remodeling and its relationship to metabolic bone diseases. Springfield, Ill., Thomas [c1973] ix, 210 p. illus. (His Orthopaedic lectures, v. 3) ISBN 0-398-02588-6.
DNLM: WE 200 F939ba 1973 Cit. No. 351132

CALCIUM

-METABOLISM

Andersson, Rolf G. G. Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Linköping, 1972. 59 p. illus. (Acta physiologica Scandinavica. Supplementum 382) ISBN 0-91-7222-010-4. Linköping University medical dissertations, no. 7.
DNLM: W1 AC9241 no.382 1972
XNLM: [QU 58 A549c 1972] Cit. No. 353724

CATECHOLAMINES

-CONGRESSES

Symposium internazionale su Le catecolamine, Milan, 1970. Symposium internazionale su "Le catecolamine", Milano, 21 novembre 1970. Torino, Minerva medica [1972] 143 p. illus. (Atti Convegni Farmitalia)
DNLM: QV 129 S986s 1970 Cit. No. 345364

-METABOLISM

Hingerty, Daniel. Clinical chemistry of the adrenal medulla, by Daniel Hingerty and Aidan O'Boyle. Springfield, Ill., Thomas [c1972] xi, 124 p. (American lecture series, no. 850. American lectures in living chemistry) ISBN 0-398-02454-5. Bibliography: p. 103-119.

DNLM: WK 725 H663c 1972 Cit. No. 347117

CONTRACEPTION

Dandekar, Kumudini. Prospects of population control; evaluation of contraception activity, 1951-1964 [by] Kumudini Dandekar [and] Vaijayanti Bhate. Poona, Gokhale Institute of Politics and Economics [c1971] xxi, 253 p. (Gokhale Institute studies, no. 58)
DNLM: HQ 766.5.I4 D176p 1971 Cit. No. 347266

CONTRACEPTIVES, ORAL

Institut national de la santé et de la recherche médicale. Contraceptifs oraux; rapport à monsieur le ministre de la santé publique et de la sécurité sociale. [Paris] 1971. 1 v. (various pagings) illus.
MBCO: QV 177 I59c 1971 Cit. No. 347120

CORTICOSTERONE

-THERAPEUTIC USE

Raab, Wolfgang. Probleme der lokalen Corticosteroidbehandlung. Heidelberg, Hüthig [c1971] x, 151 p. illus. (Abhandlungen aus den Interessengebieten der Kosmetik) ISBN 3-7785-0200-X.
DNLM: WK 755 R111p 1971 Cit. No. 351047

CORTICOTROPIN

-SECRETION - CONGRESSES

International Symposium on Brain-Pituitary-Adrenal Interrelationships, Cincinnati, 1972. Brain-pituitary-adrenal interrelationships. Editors: A. Brodish and E. S. Redgate. Basel, New York, Karger, 1973. vi, 340 p. illus.
DNLM: WK 502 I595b 1972 Cit. No. 352476

CORTICOTROPIN RELEASING FACTOR

-CONGRESSES

International Symposium on Brain-Pituitary-Adrenal Interrelationships, Cincinnati, 1972. Brain-pituitary-adrenal interrelationships. Editors: A. Brodish and E. S. Redgate. Basel, New York, Karger, 1973. vi, 340 p. illus.
DNLM: WK 502 I595b 1972 Cit. No. 352476

CYTOGENETICS

-CONGRESSES

Karolinska Symposia on Research Methods in Reproductive Endocrinology, 5th, Stockholm, 1972. Gene transcription in reproductive tissue; transactions of the fifth symposium, held in Stockholm on May 29-31, 1972. Editor: E. Diczfalusy. Editoral assistant: A. Diczfalusy. Copenhagen, Periodica, 1972. 453 p. illus. (Acta endocrinologica. Supplementum 168) Organized by the Karolinska institut with the collaboration of the World Health Organization.

DNLM: WL AC7981 no.168 1972
XNLM: [QH 431 K19g 1972] Cit. No. 347035

DIABETES MELLITUS

-COMPLICATIONS

Marmor, Leonard, 1926- Surgery of osteoarthritis [by] Leonard Marmor. Diabetes mellitus and gout [by] Keith D. Buchanan. Sjögren's syndrome [by] Martin A. Shearn. [New York] Grune & Stratton, 1972. p. 117-190. illus. (Seminars in arthritis and rheumatism, v. 11, no. 2)
DNLM: W1 SE487 v.2 no.2 1972
XNLM: [WE 348 M352s 1972] Cit. No. 347457

-CONGRESSES

Capri Conference, 6th, 1972. Nutrition and diabetes mellitus; VI Capri Conference, 29-30 III 1972. [Editors:] E. R. Froesch [and] J. Yudkin. [Milano] Casa editrice "Il Ponte" [1972] 688 p. Cover title. In English and Italian.

MBCO: WK 818 C253n 1972 Cit. No. 346453

-POPULAR WORKS

Bloom, Arnold. Diabetes explained. Baltimore, University Park Press [1972] 152 p. illus. ISBN 0-8391-0577-0. First published 1971.

DNLM: WK 850 B655d 1971 Cit. No. 345323

-THERAPY

Dub, Oto. Diabetici a jejich účast v léčebnem režimu; zprava z medicínsko-sociologického vyzkumu. [Autoři] O. Dub, I. Brožek [a] P. Nykodym. Ústí nad Labem, 1972. 64 p. illus.
DNLM: WK 815 D813d 1972 Cit. No. 350075

ENDOCRINE DISEASES

Baulieu, E. Glandes endocrines, par E. Baulieu, H. Bricaire [et] J. Leprat. Paris, Flammarion [c1972] 338 p. illus. (Vallery-Radot, Pasteur, 1886- ed. Pathologie médicale, 10)

DNLM: WB 100 V184p fasc.10 1972 Cit. No. 352706

Botella-Llusiá, José. Endocrinology of woman [by] José Botella-Llusiá. Philadelphia, Saunders, 1973. xxi, 1084 p. illus. ISBN 0-7216-1890-1. Translation of Endocrinología de la mujer.

DNLM: WP 505 B748e 1973 Cit. No. 354016

Patrono, Vito. Endocrinologia per la clinica. 3. ed. Roma, Il Pensiero scientifico, 1972. 2 v. illus.
DNLM: WK 100 P314e 1972 Cit. No. 346515

-COMPLICATIONS

Kilinskiĭ, Efim L'vovich. Porazheniia serdtsa pri endokrinnykh zaholevaniiakh. E. L. Kilinskiĭ [i] L. S. Slavina. Moskva, Meditsina, 1972. 271 p. illus. (Bibliioteka prakticheskogo vracha)

DNLM: WK 100 K48p 1972 Cit. No. 351611

-DIAGNOSIS

Diagnostika ėndokrinnykh zabolevaniĭ u deteĭ, pod red. M. A. Zhukovskogo. [Avtorskiĭ kollektiv: M. A. Zhukovskiĭ i dr. Perm] Permskoe knizhnoe izd-vo, 1971. 205 p. At head of title: Akademiia meditsinskikh nauk SSSR. Institut eksperimental'noĭ endokrinologii i khimii gormonov.
DNLM: WS 330 D536 1971 Cit. No. 350633

-IN INFANCY & CHILDHOOD

Diagnostika ėndokrinnykh zabolevaniĭ u deteĭ, pod red. M. A. Zhukovskogo. [Avtorskiĭ kollektiv: M. A. Zhukovskiĭ i dr. Perm] Permskoe knizhnoe izd-vo, 1971. 205 p. At head of title: Akademiia meditsinskikh nauk SSSR. Institut eksperimental'noĭ endokrinologii i khimii gormonov.
DNLM: WS 330 D536 1971 Cit. No. 350633

-NURSING

Spencer, Roberta T. Patient care in endocrine problems. Philadelphia, Saunders, 1973. xii, 230 p. illus. (Saunders monographs in clinical nursing, 4) ISBN 0-7216-8517-X.
DNLM: WY 156 S745p 1973 Cit. No. 353446

-THERAPY - CONGRESSES

Wissenschaftliche Aerztetagung in Nürnberg, 19th, 1968. Theraple endokriner Erkrankungen. Fehldiagnosen und ihre therapeutischen Konsequenzen. Beratung und Behandlung bei sexuellen Störungen. Vorträge der 19. Wissenschaftlichen Aerztetagung Nürnberg vom 6. bis 8. Dezember 1968, veranstaltet von der Bayerischen Landesärztekammer. Wissenschaftliche Leitung: René Schuhert. [München, 1968] 311 p. illus., ports. (Bayerische Landesärztekammer. Schriftnreihe, Bd. 15)
DNLM: W3 BA27 Bd.15 1968
XNLM: [WK 100 W816t 1968] Cit. No. 346005

ENDOCRINE GLANDS

Patrono, Vito. Endocrinologia per la clinica. ed. Roma, Il Pensiero scientifico, 1972. 2 v. illus.
DNLM: WK 100 P314e 1972 Cit. No. 346

-PHYSIOLOGY

Botella-Llusiá, José. Endocrinology of woman [by] José Botella-Llusiá. Philadelphia, Saun 1973. xxi, 1084 p. illus. ISBN 0-7216-189 Translation of Endocrinología de la mujer.

DNLM: WP 505 B748e 1973 Cit. No. 354

-PHYSIOPATHOLOGY

Gormony zhelez vnutrennef sekretsii i ikh roĭ' patologii organov pishchevareniia, pod red. V Tugoiukova. Leningrad, Meditsina, 1972. p. illus. At head of title: Akademiia meditsinskikh nauk SSSR.
DNLM: WI 100 G671 1972 Cit. No. 350

ENDOCRINOLOGY

-CONGRESSES

Settimana medica degli ospedali, 17th, Sanremo 1972. Attualità in endocrinologia. Atti, XV Settimana medica degli ospedali, Sanremo, Te dei Casinò, 11-14 maggio 1972. [Torino] Mi medica [1972] 256 p. illus. At head of E. S. M. O. Ente Settimana medica degli ospedali. Summaries in English.
DNLM: W3 SE4805 1972ae
XNLM: [WK 100 S495a 1972] Cit. No. 347

ESTROGENS

-CONGRESSES

Ageing and estrogens; workshop conference in Geneva, October 5-6, 1972. Sponsored by the International Health Foundation, Geneva. V editors: Pieter A. van Keep [and] Christian Lauritzen. Basel, New York, Karger, 1973. viii, 191 p. illus. (Frontiers of hormone research, v. 2)
DNLM: W1 FR946F v.2 1973
XNLM: [WP 522 A265 1972] Cit. No. 35

-METABOLISM

Düsing, Ernst-Adolf. Versuche zur Auslösun Brunst und Ovulation bei anöstrischen und praepuberalen Schafen mit niedrig dosierten Oestrogenen. [Marinsee/Trenthorst, 1972] p. (Max-Planck Institut für Tierzucht und Tierernährung. Schriftenreihe, Heft 58)

DNLM: SF 375 D853v 1972 Cit. No. 34

ESTRUS

Düsing, Ernst-Adolf. Versuche zur Auslösun Brunst und Ovulation bei anöstrischen und praepuberalen Schafen mit niedrig dosierten Oestrogenen. [Marinsee/Trenthorst, 1972] p. (Max-Planck Institut für Tierzucht und Tierernährung. Schriftenreihe, Heft 58)

DNLM: SF 375 D853v 1972 Cit. No. 34

FISHES

-PHYSIOLOGY

Hoar, William S., ed. Fish physiology, edited by W. S. Hoar and D. J. Randall. New York, Academic Press [c1969-72] 6 v. illus. Contents. - v.1. Excretion, ionic regulation, and metabolism. - v.2. The endocrine system. - v.3. Reproduction and growth, bioluminesence, pigments, and poisons. - v.4. The nervous system, circulation, and respiration. - v.5. Sensory systems and electric organs. - v.6. Environmental relations and behavior.
DNLM: QL 615 H679f Cit. No. 346065

GLYCOPROTEINS

-CONGRESSES

Functional and structural proteins of the nervous system. Proceedings of two symposia on proteins of the nervous system and myelin proteins held as part of the third meeting of the International Society of Neurochemistry in Budapest, Hungary, in July 1971. Edited by A. N. Davison and P. Mandel and I. G. Morgan. New York, Plenum Press, 1972. x, 286 p. illus. (Advances in experimental medicine and biology, v. 32) ISBN 0-306-39032-9.
MBCO: W 20.5 A3 v.32 1971 Cit. No. 350744

Hormones glycoprotéiques hypophysaires. (Pituitary glycoprotein hormones). Colloque. Compte rendu du colloque qui s'est tenu à l'Hôpital Saint-Antoine, Paris, les 15 et 16 mai 1972, sous le patronage de l'INSERM, en collaboration avec le C. E. A., Département des radioéléments (Saclay, France) et le C. N. R., Laboratorio di fisiologia clinica (Pisa, Italie) Editeur: Marian Jutisz. [Paris, 1972] 303 p. plates. Text in English or French with summaries in either language.
MBCO: WK 515 H812 1972 Cit. No. 351065

GOITER

-CONGRESSES

Simpozio su "Il gozzo", Levico, Italy, 1969. Atti. Trento, Temi [1971] 123 p. illus. At head of title: Terme demaniali di Levico-Vetriolo-Roncegno.
DNLM: WK 259 S612a 1969 Cit. No. 353765

GONADOTROPINS, PITUITARY

-CONGRESSES

Hormones glycoprotéiques hypophysaires. (Pituitary glycoprotein hormones). Colloque. Compte rendu du colloque qui s'est tenu à l'Hôpital Saint-Antoine, Paris, les 15 et 16 mai 1972, sous le patronage de l'INSERM, en collaboration avec le C. E. A., Département des radioéléments (Saclay, France) et le C. N. R., Laboratorio di fisiologia clinica (Pisa, Italie) Editeur: Marian Jutisz. [Paris, 1972] 303 p. plates. Text in English or French with summaries in either language.
MBCO: WK 515 H812 1972 Cit. No. 351065

GYNECOLOGIC DISEASES

Botella-Llusiá, José. Endocrinology of woman [by] José Botella-Llusiá. Philadelphia, Saunders, 1973. xxi, 1084 p. illus. ISBN 0-7216-1890-1. Translation of Endocrinología de la mujer.

DNLM: WP 505 B748e 1973 Cit. No. 354013

HORMONES

Hormones et différenciation sexuelle chez les invertébrés, publié sous la direction E. Wolff. Paris, New York, Gordon & Breach [c1972] ix, 266 p. illus. (Cours et documents de biologie, v. 3) ISBN 0-677-50430-6.
DNLM: W1 CO995 v.3 1972
XNLM: [QL 364 H812 1972] Cit. No. 352626

Tangl, Harald, 1901- Die Rolle der Vitamine, Hormone, und Antibiotika in der Tierzucht. [Uebersetzung: Johann Raab] Budapest, Akadémiai Kiadó, 1959. 320 p. illus.

DNLM: SF 95 T164r 1959 Cit. No. 353652

Techniques radioimmunologiques. (Radioimmunoassay.) Seminaire, centre de recherches INSERM, Hôpital St.-Antoine, 15-19 mai 1972. [Paris, 1972] 557 p. ports. Text in English or French with summaries in either language.
MBCO: WK 102 T255 1972 Cit. No. 347350

-PHYSIOLOGY

Gormony zhelez vnutrennef sekretsii i ikh rol' v patologii organov pishchevareniia, pod red. V. N. Tugolukova. Leningrad, Meditsina, 1972. 221 p. illus. At head of title: Akademiia meditsinskikh nauk SSSR.
DNLM: WI 100 G671 1972 Cit. No. 350103

HYDROCORTISONE

Lindholm, Jörgen. Studies on some parameters of adrenocortical function. Copenhagen, Periodica, 1973. 155 p. illus. (Acta endocrinologica. Supplementum 172) ISBN 87-7494-070-8. Afhandling - Copenhagen. Summary in Danish.

DNLM: W1 AC7981 no.172 1973
XNLM: [WK 755 L745s 1973] Cit. No. 351261

HYPERPARATHYROIDISM

Tiktinskif, Oleg Leonidovich. Pochechnaia forma pervichnogo giperparatireoidizma. Leningrad, Meditsina, 1972. 171 p. illus.
DNLM: WK 300 T568p 1972 Cit. No. 353654

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Locke, William, 1916- comp. The hypothalamus and pituitary in health and disease, compiled and edited by William Locke and Andrew V. Schally, with the editorial assistance of Theresa K. Setze and Juanita C. Oehler. Springfield, Ill., Thomas [c1972] x, 608 p. illus. ISBN 0-398-02526-6.
DNLM: WK 500 L814h 1972 Cit. No. 353542

International Symposium on Brain-Pituitary-Adrenal Interrelationships, Cincinnati, 1972. Brain-pituitary-adrenal interrelationships. Editors: A. Brodish and E. S. Redgate. Basel, New York, Karger, 1973. vi, 340 p. illus.
DNLM: WK 502 I595b 1972 Cit. No. 352476

Patologicheskaia anatomiia i nekotorye voprosy tanatogeneza shizofrenii, pod red. V. A. Romasenko. Moskva, Meditsina, 1972. 229 p. illus. At head of title: Akademiia meditsinskikh nauk SSSR. Summary in English.

DNLM: WM 203 P312 1972 Cit. No. 351630

Voĭtkevich, Anatoliĭ Anatol'evich. Ul'trastrukturnye osnovy gipotalamicheskoĭ neirosekretsii. [Avtory]: A. A. Voĭtkevich [i] I. I. Dedov. Moskva, Meditsina, 1972. 239 p. illus.
DNLM: WL 312 V898u 1972 Cit. No. 351100

HYPOTHALAMUS

Locke, William, 1916- comp. The hypothalamus and pituitary in health and disease, compiled and edited by William Locke and Andrew V. Schally, with the editorial assistance of Theresa K. Setze and Juanita C. Oehler. Springfield, Ill., Thomas [c1972] x, 608 p. illus. ISBN 0-398-02526-6.
DNLM: WK 500 L814h 1972 Cit. No. 353542

-PHYSIOLOGY

Issledovanie nervnykh tsentrov i lader mozga. [Red. koll.: A. M. Marita i dr.] Kishinev, Shtiintsa, 1972. 94 p. illus. At head of title: Akademiia nauk Moldavskof SSR. Institut zoologii.
DNLM: WL 102 I86 1972 Cit. No. 351602

-SECRETION

Voitkevich, Anatolif Anatol'evich. Ul'trastrukturnye osnovy gipotalamicheskoi neirosekretsii. [Avtory]: A. A. Voitkevich [i] I. I. Dedov. Moskva, Meditsina, 1972. 239 p. illus.
DNLM: WL 312 V898u 1972 Cit. No. 351100

INVERTEBRATES

-PHYSIOLOGY

Hormones et différenciation sexuelle chez les invertébrés, publié sous la direction E. Wolff. Paris, New York, Gordon & Breach [c1972] ix, 266 p. illus. (Cours et documents de biologie, v. 3) ISBN 0-677-50430-6.
DNLM: W1 CO995 v.3 1972
XNLM: [QL 364 H812 1972] Cit. No. 352626

LACTATION

-CONGRESSES

Simpozium po fiziologii i biokhimii laktatsii, 2d, Leningrad, 1967. Fiziologiia i biokhimiia laktatsii. [Otv. red.: I. A. Baryshnikov] Leningrad, Nauka, 1972. 164 p. illus. Sponsored by the Akademiia nauk SSSR, Nauchnyĭ sovet po fiziologii sel'skokhoziaĭstvennykh zhivotnykh.

DNLM: W3 SI182 1967f
XNLM: [SF 251 S612f 1967] Cit. No. 346527

LEUKEMIA, MYELOCYTIC

-CONGRESSES

Padua Seminar on Clinical Oncology, 2d, 1972. Thyroid tumours. Lymphomas. Granulocytic leukemia; proceedings. M. Fiorentino, R. Vangelista [and] E. Grigoletto, editors. [Padua] Piccin [1972] xii, 210 p. illus. Summaries in Italian.
DNLM: W3 PA151 1972t
XNLM: [WK 270 P125t 1972] Cit. No. 346573

LYMPHOMA

-THERAPY - CONGRESSES

Padua Seminar on Clinical Oncology, 2d, 1972. Thyroid tumours. Lymphomas. Granulocytic leukemia; proceedings. M. Fiorentino, R. Vangelista [and] E. Grigoletto, editors. [Padua] Piccin [1972] xii, 210 p. illus. Summaries in Italian.
DNLM: W3 PA151 1972t
XNLM: [WK 270 P125t 1972] Cit. No. 346573

MENOPAUSE

-CONGRESSES

Ageing and estrogens; workshop conference in Geneva, October 5-6, 1972. Sponsored by the International Health Foundation, Geneva. Volume editors: Pieter A. van Keep [and] Christian Lauritzen. Basel, New York, Karger, 1973. viii, 191 p. illus. (Frontiers of hormone research, v. 2)
DNLM: W1 FR946F v.2 1973
XNLM: [WP 522 A265 1972] Cit. No. 352344

MENSTRUATION

Maneschi, M. Il ciclo mestruale fisiologico [di] M. Maneschi, A. Martorana [e] G. Riccobono. Roma, Universo, 1972. xi, 163 p. illus.

DNLM: WP 552 M274c 1972 Cit. No. 347132

Widholm, Olof. A statistical analysis of the menstrual patterns of 8,000 Finnish girls and their mothers [by] Olof Widholm and Riitta-Liisa Kantero. Helsinki, 1971. 36 p. illus. (Acta obstetricia et gynecologica Scandinavica. Supplement 14)
DNLM: W1 AC8732 no.14 1971
XNLM: [WP 540 W639s 1971] Cit. No. 345510

OVARY

-CYTOLOGY

Guraya, Sardul S. Interstitial gland tissue of mammalian ovary. Copenhagen, Periodica, 1973. 27 p. (Acta endocrinologica. Supplementum 171) ISBN 87-7494-068-6.
DNLM: W1 AC7981 no.171 1973
XNLM: [WP 520 G978i 1973] Cit. No. 352004

-GROWTH & DEVELOPMENT

Budras, Klaus-D. Das Epoophoron der Henne und die Transformation seiner Epithelzellen in Interrenal- und Interstitialzellen. Berlin, New York, Springer-Verlag, 1972. 72 p. illus. (Ergebnisse der Anatomie und Entwicklungsgeschichte, Bd. 46, Heft 3) ISBN 3-540-05978-4. Summary in English.

DNLM: W1 ER259 Bd.46 Heft 3 1972
XNLM: [WK 700 B927e 1972] Cit. No. 347660

-SURGERY

Manuilova, Irina Aleksandrovna. Nefro-endokrinnye izmeneniia pri vykliuchenii funktsii iaichnikov. Moskva, Meditsina, 1972 173 p. illus.
DNLM: WP 660 M294n 1972 Cit. No. 351620

OVULATION

Düsing, Ernst-Adolf. Versuche zur Auslösung von Brunst und Ovulation bei anöstrischen und praepuberalen Schafen mit niedrig dosierten Oestrogenen. [Marinsee/Trenthorst, 1972] 71 p. (Max-Planck Institut für Tierzucht und Tierernährung. Schriftenreihe, Heft 58)

DNLM: SF 375 D853v 1972 Cit. No. 346765

PHEOCHROMOCYTOMA

Hingerty, Daniel. Clinical chemistry of the adrenal medulla, by Daniel Hingerty and Aidan O'Boyle. Springfield, Ill., Thomas [c1972] xi, 124 p. (American lecture series, no. 850. American lectures in living chemistry) ISBN 0-398-02454-5. Bibliography: p. 103-119.

DNLM: WK 725 H663c 1972 Cit. No. 347117

PITUITARY-ADRENAL FUNCTION TESTS

Clerch, Anthony R., 1917- Adrenal cortex function. Chicago, American Society of Clinical Pathologists, Commission on Continuing Education [c1972] 48 leaves. illus., ports.
DNLM: WK 750 C629a 1972 Clt. No. 353502

PITUITARY-ADRENAL SYSTEM

-CONGRESSES

International Symposium on Brain-Pituitary-Adrenal Interrelationships, Cincinnati, 1972. Brain-pituitary-adrenal interrelationships. Editors: A. Brodish and E. S. Redgate. Basel, New York, Karger, 1973. vi, 340 p. illus.
DNLM: WK 502 I595b 1972 Clt. No. 352476

PITUITARY DISEASES

Locke, William, 1916- comp. The hypothalamus and pituitary in health and disease, compiled and edited by William Locke and Andrew V. Schally, with the editorial assistance of Theresa K. Setze and Juanita C. Oehler. Springfield, Ill., Thomas [c1972] x, 608 p. illus. ISBN 0-398-02526-6.
DNLM: WK 500 L814h 1972 Clt. No. 353542

PITUITARY GLAND

Locke, William, 1916- comp. The hypothalamus and pituitary in health and disease, compiled and edited by William Locke and Andrew V. Schally, with the editorial assistance of Theresa K. Setze and Juanita C. Oehler. Springfield, Ill., Thomas [c1972] x, 608 p. illus. ISBN 0-398-02526-6.
DNLM: WK 500 L814h 1972 Clt. No. 353542

PITUITARY HORMONES

-CONGRESSES

Hormones glycoprotéiques hypophysaires. (Pituitary glycoprotein hormones). Colloque. Compte rendu du colloque qui s'est tenu à l'Hôpital Saint-Antoine, Paris, les 15 et 16 mai 1972, sous le patronage de l'INSERM, en collaboration avec le C. E. A., Département des radioéléments (Saclay, France) et le C. N. R., Laboratorio di fisiologia clinica (Pisa, Italie) Editeur: Marian Jutisz. [Paris, 1972] 303 p. plates. Text in English or French with summaries in either language.
MBCO: WK 515 H812 1972 Clt. No. 351065

PROGESTATIONAL HORMONES

-THERAPEUTIC USE

Kaiser, Rolf. Gestagenanwendung bei Genital- und Mammatumoren; Grundlagen, Prophylaxe, Therapie. Stuttgart, Thieme, 1973. vi, 82 p. illus. ISBN 3-13-492501-X.
DNLM: WP 870 K13g 1973 Clt. No. 353037

PROGESTERONE

-PHYSIOLOGY

Progesterone function: molecular and biochemical aspects; papers by Judith Ramaley [et al.] New York, MSS Information Corp. [c1972] 223 p. illus. ISBN 0-8422-7045-0.
DNLM: WP 530 P964 1972 Clt. No. 347333

PROSTAGLANDINS

Ramwell, Peter W. The prostaglandins. New York, Plenum Press, 1973- v. illus. ISBN 0-36-37791-8 (v.1)
DNLM, SUNY: QU 90 R184p Clt. No. 353217

REPRODUCTION

Anderson, J. Maxwell. Nature's transplant; the transplantation immunology of viviparity. New York, Appleton-Century-Crofts [c1972] viii, 145 p. illus. ISBN 0-407-32650-2. Bibliography: p. 91-138.
DNLM, MBCO: WQ 205 A547n 1972 Clt. No. 346235

-CONGRESSES

Mosbach Colloquium, 21st, 1970. Mammalian reproduction; 21. Colloquium der Gesellschaft für Biologische Chemie, 9.-11. April 1970 in Mosbach/Baden. Edited by H. Gibian and E. J. Plotz. Berlin, New York, Springer-Verlag, 1970. vi, 470 p. illus. ISBN 0-387-05066-3.

DNLM: QP 251 M894m 1970 Clt. No. 353423

SEX CHROMOSOME ABNORMALITIES

Gender differences: their ontogeny and significance. Editors: Christopher Ounsted [and] David C. Taylor. Baltimore, Williams & Wilkins [1972] x, 273 p. illus. ISBN 0-443-00902-3. Imprint from mounted label; original publisher: Edinburgh, Churchill Livingstone.
DNLM: WQ 206 G325 1972 Clt. No. 346556

SEX DETERMINATION

Hormones et différenciation sexuelle chez les invertébrés, publié sous la direction E. Wolff. Paris, New York, Gordon & Breach [c1972] ix, 266 p. illus. (Cours et documents de biologie, v. 3) ISBN 0-677-50430-6.
DNLM: W1 CO995 v.3 1972
XNLM: [QL 364 H812 1972] Clt. No. 352626

SEX DISORDERS

-CONGRESSES

Wissenschaftliche Aerztetagung in Nürnberg, 19th, 1968. Therapie endokriner Erkrankungen. Fehldiagnosen und ihre therapeutischen Konsequenzen. Beratung und Behandlung bei sexuellen Störungen. Vorträge der 19. Wissenschaftlichen Aerztetagung Nürnberg vom 6. bis 8. Dezember 1968, veranstaltet von der Bayerischen Landesärztekammer. Wissenschaftliche Leitung: René Schubert. [München, 1968] 311 p. illus., ports. (Bayerische Landesärztekammer. Schriftnreihe, Bd. 15)
DNLM: W3 BA27 Bd.15 1968
XNLM: [WK 100 W816t 1968] Clt. No. 346005

-THERAPY

Hartman, William E. Treatment of sexual dysfunction; a bio-psycho-social approach, by William E. Hartman and Marilyn A. Fithian. [Long Beach, Calif., Center for Marital and Sexual Studies, c1972] xvi, 282 p. illus., ports. ISBN 0-9600626-1-0. Bibliography: p. 223-268.

DNLM: HQ 31 H333t 1972 Clt. No. 345650

STERILITY

-POPULAR WORKS

Consumers' Association. Infertility. [Amended reprint] London [1972] 107 p. illus. (A Consumer publication)
DNLM: WP 570 C755i 1972 Cit. No. 352462

STEROIDS

Idler, David R., ed. Steroids in nonmammalian vertebrates. New York, Academic Press, 1972. xii, 504 p. illus. ISBN 0-12-370350-6.

DNLM, SUNY: WK 150 I19s 1972
Cit. No. 345737

-CONGRESSES

Symposium über Biochemische Aspekte der Steroidforschung, Jena, 1967. Symposium über Biochemische Aspekte der Steroidforschung, Jena, 18. bis 21. September 1967. Hrsg. von Kurt Schubert. Berlin, Akademie-Verlag, 1969. 230 p. illus. (Deutsche Akademie der Wissenschaften zu Berlin. Klasse für Medizin. Abhandlungen, Jahrg. 1968, Nr. 2)
DNLM: W1 DE567N 1968 Nr.2
XNLM: [WK 150 S994s 1967] Cit. No. 346000

-THERAPEUTIC USE - CONGRESSES

Steroids and brain edema [proceedings of an international workshop in Mainz, W. Germany, June 19 to 21, 1972] Edited by H. J. Reulen [and] K. Schürmann. New York, Springer-Verlag, 1972. xii, 306 p. illus. ISBN 0-387-05958-X. Sponsored by Sharp & Dohme GmbH., München.
DNLM, SUNY: WL 348 S838 1972
Cit. No. 347067

-TOXICITY - CONGRESSES

Methods in steroid toxicology; report of a workshop in Bonn, Dec. 1970. Editors: Ernst Jürgen Plotz [and] Jürgen Haller. Contributors: H. Breuer [et al.] Los Altos, Calif., Geron-X, inc., 1972. 167 p. illus. ISBN 0-87672-033-5. Translation of Methodik der Steroidtoxikologie für Forschung und klinische Anwendung der Steroide.
DNLM: WK 150 M592 1970a Cit. No. 352170

THYROID GLAND

-CONGRESSES

Symposium on Endemic Cretinism, Santa Ynez, Calif., 1972. Human development and the thyroid gland; relation to endemic cretinism, Proceedings of a Symposium on Endemic Cretinism held at the Kroc Foundation, Santa Ynez Valley, California, January 24-26, 1972. Edited by J. B. Stanbury and R. L. Kroc. New York, Plenum Press, 1972. xvii, 518 p. illus. (Advances in experimental medicine and biology, v. 30) ISBN 0-306-39030-2. Sponsored by the Kroc Foundation.
DNLM: W1 AD559 v.30 1972
MBCO: W 20.5 A3 v.30 1972
XNLM: [WK 252 S9895b 1972] Cit. No. 345365

-PHYSIOLOGY

Pellet, Michel V., 1930- Physiologie du corps thyroïde; Université Claude B. Bernard - Lyon, UER Alexis Carrel, 2ème année, 1er cycle. [Lyon, Association corporative des étudiants en médecine de Lyon, 1972] 55 p. illus.

DNLM: WK 202 P388p 1972 Cit. No. 353432

THYROID NEOPLASMS

-CONGRESSES

Padua Seminar on Clinical Oncology, 2d, 1972. Thyroid tumours. Lymphomas. Granulocytic leukemia; proceedings. M. Fiorentino, R. Vangelista [and] E. Grigoletto, editors. [Padua] Piccin [1972] xii, 210 p. illus. Summaries in Italian.
DNLM: W3 PA151 1972t
XNLM: [WK 270 P125t 1972] Cit. No. 346573

THYROTROPIN RELEASING FACTOR

-CONGRESSES

Thyreotropin-Releasing-Hormon; Symposion im Hotel Hilton, Mainz am 23. April 1971. Vorsitz: F. A. Horster unter Mitarbeit von W. Wildmeister [und] F. E. Pausch. Stuttgart, New York, Schattauer [1972] xi, 151 p. illus. ISBN 3-7945-0277-9. Summaries in English.

DNLM: WK 515 T549 1971 Cit. No. 351245

AUTHOR SECTION

A

1. **Aaberg TM, Cesarz TJ, Flickinger RR:** Treatment of peripheral uveoretinitis by cryotherapy.
Am J Ophthalmol 75:685-8, Apr 73
ADOLESCENCE/ ADULT/ CHILD/ *CRYOTHERAPY/ CRYOTHERAPY, adverse effects/ DELAYED-ACTION PREPARATIONS/ FEMALE/ FOLLOW-UP STUDIES/ FUNDUS OCULI/ HUMAN/ MALE/ METHODS/ METHYLPREDNISOLONE, therapeutic use/ OPHTHALMOSCOPY/ PREDNISONE, therapeutic use/ REMISSION/ RETINITIS, drug therapy/ *RETINITIS, therapy/ UVEITIS, drug therapy/ *UVEITIS, therapy/ VITREOUS BODY, pathology

2. **Aakvaag A:** Gonadotropinene og samspillet hypothalamus--hypofyse--gonader. 1. Den fertile alder.
Tidsskr Nor Laegeforen 92:2172-7, 20 Nov 72 (Nor)
AGE FACTORS/ ANIMAL EXPERIMENTS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ ESTROGENS/ FEEDBACK/ FEMALE/ *GONADOTROPINS, PITUITARY, physiology/ HUMAN/ *HYPOTHALAMUS, physiology/ MALE/ MENSTRUATION/ *OVARY, drug effects/ OVULATION, drug effects/ *PITUITARY GLAND/ SHEEP

3. **Abdel-Aal H, Abdel-Aal MA:** Koebner phenomenon and unusual manifestation of discoid lupus erythematosus (a case report). J Egypt Med Assoc 55:704-8, 1972
ADULT/ ANTIMALARIALS, therapeutic use/ BIOPSY/ CASE REPORT/ HUMAN/ LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ *LUPUS ERYTHEMATOSUS, DISCOID, pathology/ MALE/ PREDNISONE, therapeutic use/ *PSORIASIS/ SALICYLATES, therapeutic use/ SALICYLIC ACID, therapeutic use/ *SKIN, injuries/ *WOUNDS AND INJURIES, complications

4. **Abdel-Gawad MS, Askar AM, el-Rakhawy YT:** Treatment of depression "C" thyroid shock.
J Egypt Med Assoc 55:551-60, 1972
*DEPRESSION, drug therapy/ ELECTROCARDIOGRAPHY/ HUMAN/ MALE/ *SHOCK THERAPY/ *THYROID HORMONES, therapeutic use/ TRIIODOTHYRONINE, therapeutic use

5. **Abou-Sabé M, Nardi R:** On the regulation of cyclic 3',5' adenosine monophosphate levels in bacteria. Stimulation of adenyl cyclase activity in vitro by glucose in a mutant of E. coli B-r.
Biochem Biophys Res Commun 51:551-7, 2 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ AMMONIUM SULFATE/ CENTRIFUGATION, DENSITY GRADIENT/ *ESCHERICHIA COLI, enzymology/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ MUTATION/ NITROSOGUANIDINES, pharmacodynamics/ PRECIPITATION/ STIMULATION, CHEMICAL/ SUCROSE

6. **Abraham AD, Sekeris CE:** Corticosteroid binding macromolecules in the nucleus and cytosol of rat thymus cells.
Biochim Biophys Acta 297:142-54, 24 Jan 73
*ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CARBON ISOTOPES/ *CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CORTICOSTERONE, metabolism/ *CYTOSOL, metabolism/ HYDROCORTISONE, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ TESTOSTERONE, metabolism/ THYMUS GLAND, cytology/ *THYMUS GLAND, metabolism/ TRANSCORTIN/ TRITIUM

7. **Abramovici H, Brandes JM, Paldi E, et al:** Male sterility due to a fistula between the rectum and the common ejaculatory ducts: case report.
Am J Obstet Gynecol 114:840-1, 15 Nov 72
ADULT/ *EJACULATORY DUCTS/ *FISTULA, complications/ HUMAN/ INSEMINATION, ARTIFICIAL/ MALE/ *RECTAL FISTULA, complications/ *STERILITY, MALE, etiology/ *TESTICULAR DISEASES, complications

8. **Abuid J, Stinson DA, Larsen PR:** Serum triiodothyronine and thyroxine in the neonate and the acute increases in these hormones following delivery.
J Clin Invest 52:1195-9, May 73
BLOOD/ DELIVERY/ FEMALE/ HUMAN/ *INFANT, NEWBORN/ PREGNANCY/ RADIOIMMUNOASSAY/ *THYROID GLAND, physiology/ THYROID GLAND, secretion/ *THYROXINE, blood/ THYROXINE, secretion/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, secretion/ UMBILICAL CORD

9. **Acchiardo S, Dustan HP, Tarazi RC:** Similar effects of hydrochlorothiazide and spironolactone on plasma renin activity in essential hypertension.
Cleve Clin Q 39:153-62, Winter 72
ADULT/ BLOOD PRESSURE, drug effects/ BLOOD VOLUME, drug effects/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *HYDROCHLOROTHIAZIDE, therapeutic use/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ MIDDLE AGE/ PLASMA/ POTASSIUM, blood/ *RENIN, blood/ SODIUM, blood/ *SPIRONOLACTONE, therapeutic use

10. **Achille E, Roos J, Aron C:** Modifications des cellules gonadotropes de la préhypophyse chez la ratte injectée de testostérone au cours du cycle oestall.
Z Zellforsch Mikrosk Anat 138:63-73, 21 Mar 73 (Fre)
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ FSH/ *GONADOTROPINS, PITUITARY/ LH/ OVULATION/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ RATS/ STATISTICS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

11. **Achslogh J, Boucquey JP, Langie S:** Les tumeurs cerebrales supra-tentorielles primitives après 60 ans: étue de 135 cas. Brux Med 52:681-702, Oct 72 (Fre)
AGE FACTORS/ AGED/ ASTROCYTOMA/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, mortality/ *BRAIN NEOPLASMS, occurrence/ BRAIN NEOPLASMS, surgery/ CEREBRAL ANGIOGRAPHY/ CRANIOPHARYNGIOMA/ DURA MATER/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GLIOMA/ HUMAN/ MALE/ MENINGIOMA/ MIDDLE AGE/ OLIGODENDROGLIOMA/ SARCOMA

12. **Achten G:** Diseases of the dermis. General considerations.
Arch Belg Dermatol Syphiligr 28:1-13, Jan-Mar 72
AUTOIMMUNE DISEASES/ *COLLAGEN DISEASES/ COLLAGEN DISEASES, immunology/ DERMATOMYOSITIS/ HUMAN/ HYPERTHYROIDISM/ LUPUS ERYTHEMATOSUS, DISCOID/ LUPUS ERYTHEMATOSUS, SYSTEMIC/ MYXEDEMA/ SCLERODERMA, SYSTEMIC/ *SKIN DISEASES/ SKIN DISEASES, immunology

13. **Achten G, Bourlond A, Haven E, et al:** Etude du bufexamac crème et du bufexamac onguent dans le traitement de diverses dermatoses.
Dermatologica 146:1-7, 1973 (Fre)
ANTI-INFLAMMATORY AGENTS, therapeutic use/ CHEMISTRY/ CHRONIC DISEASE/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DERMATITIS, drug therapy/ DERMATITIS, ATOPIC, drug therapy/ DERMATITIS, CONTACT, drug therapy/ DRUG TOLERANCE/ ECZEMA, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ *HYDROXAMIC

ACID, administration & dosage/ HYDROXAMIC ACID, therapeutic use/ KELOID, drug therapy/ OINTMENTS/ PHENYLACETATES, administration & dosage/ PHENYLACETATES, therapeutic use/ PHLEBITIS, drug therapy/ TIME FACTORS

14. **Acs Z, Stark E:** The role of transcortin in the regulation of corticotrophin secretion.
J Endocrinol 56:317-8, Feb 73
ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ FEEDBACK/ FORMALDEHYDE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MALE/ RATS/ SECRETORY RATE, drug effects/ *TRANSCORTIN, pharmacodynamics

15. **Adam WR, Dawborn JK:** Potassium tolerance in rats.
Aust J Exp Biol Med Sci 50:757-68, Dec 72
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DIET/ DRUG TOLERANCE/ FECES, metabolism/ FEMALE/ KIDNEY, physiology/ MALE/ MINERALOCORTICOIDS, metabolism/ NATRIURESIS/ NEPHRECTOMY/ POTASSIUM, blood/ *POTASSIUM, metabolism/ POTASSIUM, urine/ POTASSIUM CHLORIDE/ RATS/ SODIUM, metabolism/ SODIUM, urine

16. **Adams C, Kilpatrick B, Kabacy G, et al:** Fetal sex determination.
Acta Cytol (Baltimore) 17:233-6, May-Jun 73
AMNIOCENTESIS/ AMNIOTIC FLUID, cytology/ FEMALE/ *FETUS/ GESTATIONAL AGE/ HUMAN/ KARYOTYPING/ MALE/ MICROSCOPY, FLUORESCENCE/ PHENOTYPE/ PREGNANCY/ SEX CHROMOSOMES/ *SEX DETERMINATION

17. **Adams PW, Rose DP, Folkard J, et al:** Effect of pyridoxine hydrochloride (vitamin B 6) upon depression associated with oral contraception.
Lancet 809:899-904, 28 Apr 73
ADULT/ AMINES, metabolism/ AMINOTRANSFERASES, metabolism/ BRAIN, metabolism/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, adverse effects/ *DEPRESSION, chemically induced/ DEPRESSION, drug therapy/ ERYTHROCYTES, enzymology/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LIBIDO, drug effects/ LIVER, enzymology/ PLACEBOS/ PROGESTATIONAL HORMONES, adverse effects/ PYRIDOXINE, pharmacodynamics/ *PYRIDOXINE, therapeutic use/ TIME FACTORS/ TRYPTOPHAN, metabolism/ TRYPTOPHAN, urine/ TRYPTOPHAN OXYGENASE, metabolism

18. **Adamsons K, Myers RE:** Perinatal asphyxia, causes, detection and neurologic sequelae.
Pediatr Clin North Am 20:465-80, May 73 (19 ref.)
ANIMAL EXPERIMENTS/ *ASPHYXIA NEONATORUM/ ASPHYXIA NEONATORUM, complications/ ASPHYXIA NEONATORUM, diagnosis/ ASPHYXIA NEONATORUM, etiology/ BIOLOGICAL TRANSPORT/ BRAIN DAMAGE, CHRONIC, etiology/ FEMALE/ FETAL DISEASES, etiology/ FETAL HEART/ FETUS, metabolism/ HEART RATE/ HUMAN/ INFANT, NEWBORN/ LABOR/ MACACA/ MATERNAL-FETAL EXCHANGE/ MONKEYS/ NECROSIS/ OXYGEN, blood/ OXYGEN CONSUMPTION/ PLACENTA DISORDERS, complications/ POSTURE/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ REVIEW/ UMBILICAL CORD

19. **Addison PC:** Advantages in the use of aldehyde fuchsin with van Gieson's picro-fuchsin counterstaining for differentiating bone and cartilage.
Stain Technol 48:59-62, Mar 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, anatomy & histology/ *CARTILAGE, anatomy & histology/ CATS/ CHICK EMBRYO/ DOGS/ METHODS/ RATS/ *ROSANILINE DYES/ *STAINS AND STAINING

20. **Adhami H, Adhami H, Merkle U:** Zur Wirkungsweise der MIneralocorticoide uf die Bindegewebszellen. biometrische Untersuchungen.
Z Mikrosk Anat Forsch 86:289-96, 1972 (Ger)
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOMETRY/ CELL NUCLEUS, drug effects/ *CONNECTIVE TISSUE CELLS, drug effects/ ENGLISH ABSTRACT/ GUINEA PIGS/ KARYOMETRY/ LYMPH NODES/ MALE/ SPLEEN

21. **Adle R, Taylor S:** The surgery of hyperparathyroidism.
Med J Aust 1:688-91, 7 Apr 73
ADENOMA, pathology/ *ADENOMA, surgery/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ BONE DISEASES, etiology/ CALCIUM, blood/ CHILD/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, enzymology/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, radiography/ *HYPERPARATHYROIDISM, surgery/ KIDNEY DISEASES, etiology/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, pathology/ *PARATHYROID NEOPLASMS, surgery/ PHOSPHATES, blood

22. **Adolphson RL, Townley RG:** Comparison of the bronchodilator activities of isoproterenol and of prostaglandin E 1 aerosols.
Chest 63:Suppl:5S-6S, Apr 73
AEROSOLS/ ANIMAL EXPERIMENTS/ *BRONCHI, drug effects/ *BRONCHODILATOR AGENTS, pharmacodynamics/ COMPARATIVE STUDY/ GUINEA PIGS/ HEART RATE, drug effects/ ISOPROTERENOL, administration & dosage/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics

23. **Adu D, Evans DB, Millard PR, et al:** Renal transplantation in leprosy. Br Med J 2:280-1, 5 May 73
ADULT/ AZATHIOPRINE, therapeutic use/ GRAFT REJECTION/ HEMODIALYSIS/ HUMAN/ HYDROCORTISONE/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY FAILURE, CHRONIC, surgery/ *LEPROSY, complications/ MALE/ TRANSPLANTATION, HOMOLOGOUS

24. **Aeberhard P, Pedrinis E:** Die sogenannte Stärke-Peritonitis nach chirurgischen Eingriffen in der Bauchhöhle.
Schweiz Med Wochenschr 103:333-7, 3 Mar 73 (Ger)
ABDOMEN, surgery/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GLOVES, SURGICAL, adverse effects/ HUMAN/ PERITONITIS, drug therapy/ *PERITONITIS, etiology/ PERITONITIS, pathology/ POSTOPERATIVE COMPLICATIONS/ *STARCH, adverse effects

25. **Aedo AR, Zipper J:** Effect of copper intrauterine devices (IUD'S) on estrogen and progesterone uptake by the rat uterus. Fertil Steril 24:345-8, May 73
ANIMAL EXPERIMENTS/ *COPPER/ *ESTRADIOL, metabolism/ FEMALE/ *INTRAUTERINE DEVICES/ NYLON/ *PROGESTERONE, metabolism/ RATS/ TRITIUM/ *UTERUS, metabolism

26. **Aggarwal ND:** Structure of human fluorotic bone.
J Bone Joint Surg [Am] 55:331-4, Mar 73
AUTOPSY/ BIOPSY/ *BONE AND BONES, pathology/ BONE MATRIX/ BONE REGENERATION/ *BONE RESORPTION, pathology/ *EXOSTOSES, MULTIPLE, pathology/ FIBULA, pathology/ *FLUORIDE POISONING, pathology/ *HAVERSIAN

SYSTEM/ HUMAN/ MIDDLE AGE/ PERIOSTEUM/ RADIUS, patbology/ TIBIA, pathology/ ULNAR NERVE, pathology/ VITAMIN D

Agus Z8, Gardner LB, Beck LH, et al: Effects of parathyroid bormone on renal tubular reabsorption of calcium, sodium, and pbosphate.
Am J Physiol 224:1143-8, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbysiology/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ DOGS/ ELECTRON PROBE MICROANALYSIS/ FEMALE/ *KIDNEY TUBULES, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ MALE/ NATRIURESIS, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ PUNCTURES/ *SODIUM, metabolism

Ahlers I, Ahlersová E, Sedláková A, et al: Tissue lipids in lethally X-irradiated rats. 3. Changes in adrenals, kidneys, heart and skeletal muscle and lungs.
Folia Biol (Praha) 19:135-9, 1973
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ FATTY ACIDS, analysis/ FATTY ACIDS, NONESTERIFIED, analysis/ *HEART, radiation effects/ KIDNEY, analysis/ *KIDNEY, radiation effects/ *LIPIDS, analysis/ LUNG, analysis/ *LUNG, radiation effects/ MALE/ MUSCLES, analysis/ *MUSCLES, radiation effects/ MYOCARDIUM, analysis/ PEROXIDES, analysis/ PHOSPHOLIPIDS, analysis/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ TIME FACTORS/ TRIGLYCERIDES, analysis

Ahlers I, Ahlersová E, Sedláková A, et al: Tissue lipids in lethally X-irradiated rats. II. Changes in bone marrow, thymus, spleen and testes.
Folia Biol (Praha) 19:130-4, 1973
ANIMAL EXPERIMENTS/ BONE MARROW, analysis/ *BONE MARROW, radiation effects/ CHOLESTEROL, analysis/ FATTY ACIDS, analysis/ FEMUR/ *LIPIDS, analysis/ MALE/ PHOSPHOLIPIDS, analysis/ *RADIATION EFFECTS/ RATS/ SPLEEN, analysis/ *SPLEEN, radiation effects/ TESTIS, analysis/ *TESTIS, radiation effects/ THYMUS GLAND, analysis/ *THYMUS GLAND, radiation effects/ TIME FACTORS/ TRIGLYCERIDES, analysis

Ahmad N, Serón-Prizant M, Goldfien A: Early restoration of autotransplanted pituitary function as determined by plasma progesterone concentrations.
Neuroendocrinology 11:101-6, 1973
ANIMAL EXPERIMENTS/ FEMALE/ KIDNEY, surgery/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, transplantation/ PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ RATS/ TRANSPLANTATION, AUTOLOGOUS

Ahmed J, Kellie AE: Oestrogen and oestrogen conjugate concentrations in late pregnancy plasma.
J Steroid Biochem 4:1-10, Jan 73
BINDING, COMPETITIVE/ CHARCOAL/ CHROMATOGRAPHY, GAS/ DEXTRAN/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTROGENS, isolation & purification/ ESTRONE, blood/ FEMALE/ FLUOROMETRY/ GEL FILTRATION/ HUMAN/ HYDROLYSIS/ PREGNANCY/ RABBITS/ RECEPTORS, HORMONE, drug effects/ TIME FACTORS/ TRITIUM/ UTERUS, analysis

Airaksinen EM, Airaksinen MM: The binding of tryptophan to plasma proteins and the rate of the inactivation of 5HT released from platelets in Down's syndrome.
Ann Clin Res 4:361-5, Dec 72
ADOLESCENCE/ ADULT/ BINDING SITES/ *BLOOD PLATELETS, metabolism/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS, metabolism/ CARBON ISOTOPES/ FEMALE/ HUMAN/ MALE/ MENTAL RETARDATION, blood/ MIDDLE AGE/ *MONGOLISM, blood/ *PROTEIN BINDING/ *SEROTONIN, blood/ SERUM ALBUMIN, metabolism/ SERUM GLOBULINS, metabolism/ SPECTROPHOTOMETRY/ TETRABENAZINE, pharmacodynamics/ TIME FACTORS/ *TRYPTOPHAN, blood

33. Aitken JM, Armstrong E, Anderson JB: Osteoporosis after oopborectomy in the mature female rat and the effect of oestrogen and-or progestogen replacement therapy in its prevention.
J Endocrinol 55:79-87, Oct 72
ANIMAL EXPERIMENTS/ BIOMETRY/ BODY WEIGHT/ CALCIUM, analysis/ *CASTRATION/ DIET/ *DISEASE MODELS, ANIMAL/ *ETHYNODIOL DIACETATE, therapeutic use/ FEEDING BEHAVIOR/ FEMALE/ FEMUR, analysis/ FEMUR, radiography/ MENOPAUSE/ *MESTRANOL, therapeutic use/ OSTEOGENESIS, drug effects/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, prevention & control/ OSTEOPOROSIS, radiography/ PERIOSTEUM, drug effects/ PHOSPHORUS, analysis/ RATS

34. Aitken JM, Hart DM, Anderson JB, et al: Osteoporosis after oopborectomy for non-malignant disease in premenopausal women.
Br Med J 2:325-8, 12 May 73
ADULT/ AGE FACTORS/ *CASTRATION, adverse effects/ DENSITOMETRY, X-RAY/ FEMALE/ HUMAN/ HYSTERECTOMY/ MENOPAUSE/ MENORRHAGIA, surgery/ METACARPUS, radiography/ MIDDLE AGE/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ OVARY, surgery

35. Aizenshtadt TB, Detlaf TA: Ultrastructure of stellate sturgeon oocytes during maturation. I. Annulate lamellae and golgi complex.
Sov J Dev Biol 3:220-9, May-Jun 72
ANIMAL EXPERIMENTS/ FEMALE/ *FISHES/ *GOLGI APPARATUS/ MICROSCOPY, ELECTRON/ ORGANOIDS/ *OVUM, cytology/ OVUM, drug effects/ OVUM, growth & development/ PITUITARY HORMONES, pharmacodynamics/ PREGNANCY

36. Ajzen H, Andrade U, Lima MC, et al: Effects of bemorrhage and furosemide on renin release in dogs.
Rev Bras Pesqui Med Biol 5:243-9, Sep-Dec 72 (Por)
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CREATININE, blood/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ *HEMORRHAGE, physiopathology/ JUXTAGLOMERULAR APPARATUS, drug effects/ KIDNEY, enzymology/ *KIDNEY, secretion/ MALE/ RENIN, blood/ *RENIN, secretion/ SODIUM, blood/ SODIUM, urine/ WATER-ELECTROLYTE BALANCE

37. Akers MJ, Lach JL, Fischer LJ: Alterations in absorption of dicumarol by various excipient materials.
J Pharm Sci 62:391-5, Mar 73
ADSORPTION/ ALUMINUM HYDROXIDE GEL, metabolism/ ALUMINUM SILICATES, metabolism/ ANIMAL EXPERIMENTS/ BIOPHARMACEUTICS/ *BISHYDROXYCOUMARIN, blood/ BISHYDROXYCOUMARIN, pharmacodynamics/ CALCIUM, metabolism/ DOGS/ DRUG INTERACTIONS/ HYDROXIDES, metabolism/ KINETICS/ MAGNESIUM/ MAGNESIUM OXIDE, metabolism/ *PHARMACEUTIC AIDS/ POLYVINYLPYRROLIDONE, metabolism/ PROTHROMBIN TIME/ SILICA, metabolism/ SPECTROPHOTOMETRY/ STARCH, metabolism/ STEARIC ACID, metabolism/ TALC, metabolism/ TIME FACTORS

38. Akhrem AA, Sotskova IV, Kulikova LE, et al: O zavisimosti mezhdu khimicheskim stroeniem i gestagennoi aktivnost'iu v novom riadu pentataiklicheskikh analogov progesterona--pentaranov.
Dokl Akad Nauk SSSR 209:504-7, 11 Mar 73 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ PROGESTATIONAL HORMONES, administration & dosage/

*PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects

39. **Akmayev IG, Fidelina OV, Kabolova ZA, et al:** Morphological aspects of the hypothalamic-hypophyseal system. IV. Medial basal hypothalamus. An experimental morphological study.
Z Zellforsch Mikrosk Anat 137:493-512, 7 Mar 73
ADENINE/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ EPENDYMA, cytology/ EPENDYMA, metabolism/ GLUTAMATE DEHYDROGENASE, analysis/ GLYCINE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ MALE/ NEURAL TRANSMISSION/ NEURONS, cytology/ NEURONS, AFFERENT, cytology/ PROTEINS, biosynthesis/ RATS/ SUCCINATE DEHYDROGENASE, analysis/ TIME FACTORS

40. **Akshabaeva KA:** Vliianie aminazina i imizina na obmen dikarbonovykh aminokislot i ikh proizvodnykh (glutamina i gamma-aminomaslianoi kisloty) v golovnom mozge koshek.
Ukr Biokhim Zh 44:182-5, 1972 (Rus)
AMINOBUTYRIC ACID, analysis/ AMINOBUTYRIC ACID, metabolism/ AMMONIA, metabolism/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, analysis/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CATS/ CEREBRAL CORTEX, analysis/ *CHLORPROMAZINE, pharmacodynamics/ *DICARBOXYLIC ACIDS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMATES, analysis/ GLUTAMINE, metabolism/ HYPOTHALAMUS, analysis/ *IMIPRAMINE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MALE/ SUBSTANTIA NIGRA, analysis/ THALAMUS, analysis

41. **Al'-Khiliali MA, Iurkevich NP, Kutsidi EV:** Funktsiia kory nadpochechnikov u bol'nykh demping-sindromom.
Klin Med (Mosk) 50:99-101, Aug 72 (Rus)
*ADRENAL GLANDS, physiopathology/ *DUMPING SYNDROME, physiopathology/ ENGLISH ABSTRACT/ HUMAN

42. **Aladashvili VD:** Znachenie opredeleniia ekskretskii liuteiniziruiushchego gormona u muzhchin pri izuchenii prichin besplodiia v brake.
Akush Ginekol (Mosk) 49:75-6, Jan 73 (Rus)
ADULT/ FEMALE/ HUMAN/ *LH, urine/ MALE/ MIDDLE AGE/ PREGNANCY/ SEMEN, analysis/ SPERMATOGENESIS/ STERILITY, MALE, etiology/ *STERILITY, MALE, urine

43. **Albeaux-Fernet M:** Syndromes hormonaux ectopiques.
Sem Hop Paris 49:245-56, 20 Jan 73 (Fre)
ADENOCARCINOMA, complications/ *ADRENAL GLAND HYPERFUNCTION, etiology/ BRONCHIAL NEOPLASMS, complications/ CARCINOMA, complications/ CORTICOTROPIN, blood/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS, complications/ GONADOTROPINS, blood/ *HORMONES, ECTOPIC, secretion/ HUMAN/ *HYPERPARATHYROIDISM, etiology/ *HYPERTHYROIDISM, etiology/ LUNG NEOPLASMS, complications/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ PARATHYROID HORMONE, secretion/ PITUITARY HORMONES, secretion/ SEX FACTORS/ SOMATOTROPIN, blood/ THYMUS NEOPLASMS, complications/ THYROID NEOPLASMS, complications/ THYROTROPIN, blood/ UROGENITAL NEOPLASMS, complications/ VASOPRESSIN, secretion

44. **Albeaux-Fernet M, Bartheime J, Thomeret G, et al:** Le pronostic lointain de la maladie de Cushing traitée chez l'enfant. A propos d'un cas suivi pendant 10 ans.
Sem Hop Paris 49:268-72, 20 Jan 73 (Fre)
ADOLESCENCE/ ADRENALECTOMY/ ADULT/ CORTICOSTERONE, therapeutic use/ CUSHING'S SYNDROME, complications/ CUSHING'S SYNDROME, drug therapy/ *CUSHING'S SYNDROME, therapy/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, etiology/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ PROGNOSIS/ SPINAL DISEASES, etiology/ SPINAL DISEASES, radiography/ TESTOSTERONE, therapeutic use

45. **Albeaux-Fernet M, Deribreux J, Gelinet M:** Maladie d'Addison suivie pendant 11 années. Episodes comateux, constitution progressive d'une poly-endocrinose. Considérations pathogéniques et thérapeutiques.
Sem Hop Paris 49:257-60, 20 Jan 73 (Fre)
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, drug therapy/ COMA, drug therapy/ *COMA, etiology/ CORTICOSTERONE, therapeutic use/ ENDOCRINE DISEASES, drug therapy/ *ENDOCRINE DISEASES, etiology/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GLUCOSE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ KIDNEY FAILURE, ACUTE, complications/ *KIDNEY FAILURE, ACUTE, etiology/ MIDDLE AGE/ THYROID HORMONES, therapeutic use

46. **Albeaux-Fernet M, Gelinet M, Deribreux J:** Maladie de Sheehan suivie d'hypertension artérielle grave avec sténose de l'artère rénale droite. Discussion du rôle de l'hypopituitarisme dans l'athérogenèse.
Sem Hop Paris 49:261-5, 20 Jan 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANDROGENS, therapeutic use/ *ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, radiography/ CLOFIBRATE, therapeutic use/ CORONARY DISEASE, drug therapy/ *CORONARY DISEASE, etiology/ ENGLISH ABSTRACT/ FEMALE/ GLYCERYL TRINITRATE, therapeutic use/ HUMAN/ *HYPERTENSION, etiology/ *HYPOPITUITARISM, complications/ PUERPERAL DISORDERS, complications/ *RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY OBSTRUCTION, radiography/ SHEEHAN'S SYNDROME, complications/ SHEEHAN'S SYNDROME, drug therapy/ STILBENES, therapeutic use/ THYROID HORMONES, therapeutic use

47. **Alberman E, Polani PE, Roberts JA, et al:** Parental exposure to x-irradiation and Down's syndrome.
Ann Hum Genet 36:195-208, Nov 72
FEMALE/ GENITALIA, FEMALE, radiation effects/ GENITALIA, MALE, radiation effects/ HUMAN/ MALE/ MATERNAL AGE/ *MONGOLISM, etiology/ OVARY, radiation effects/ PREGNANCY/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RADIOGRAPHY, adverse effects/ TIME FACTORS

48. **Alberman E, Polani PE, Roberts JA, et al:** Parental x-irradiation and chromosomes constitution in their spontaneously aborted foetuses.
Ann Hum Genet 36:185-94, Nov 72
*ABORTION, etiology/ ABORTION, familial & genetic/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ FEMALE/ GENITALIA, FEMALE, radiation effects/ HUMAN/ KARYOTYPING/ MALE/ MATERNAL AGE/ OVARY, radiation effects/ PREGNANCY/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RADIOGRAPHY, adverse effects/ RADIOTHERAPY/ TIME FACTORS

49. **Albot G, Zeroio J, Camilleri JP, et al:** Ictère récidivant de la grossesse et cholangiolite chronique isolée ou maladie de Hanot et Mac Mahon.
Sem Hop Paris 48:3425-41, 20 Dec 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BIOPSY/ CATARACT,

chemically induced/ *CHOLANGITIS, complications/ CHOLANGITIS, diagnosis/ CHOLANGITIS, drug therapy/ CHOLANGITIS, pathology/ CHOLESTASIS, etiology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HEPATOMEGALY, etiology/ HUMAN/ *JAUNDICE, etiology/ LIVER, pathology/ *LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ LIVER FUNCTION TESTS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PRURITUS, etiology/ RECURRENCE/ SPLENOMEGALY, etiology/ *XANTHOMATOSIS, complications

50. **Albro P, Thomas R, Fishbein L:** Prostaglandins: action on mast cells in vitro. Prostaglandins 1:133-46, Feb 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM CHLORIDE, pharmacodynamics/ CATTLE/ COMPOUND 48-80, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ FLUORESCENCE SPECTROMETRY/ GLUCOSE, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ IN VITRO/ MAST CELLS, drug effects/ PERITONEUM/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SERUM ALBUMIN, BOVINE/ SNAKES/ SPECIAL LIST REPRODUCTION/ VENOMS, pharmacodynamics

51. **Alemà S, Calissano P, Rusca G, et al:** Identification of a calcium-binding, brain specific protein in the axoplasm of squid giant axons.
J Neurochem 20:681-9, Mar 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, analysis/ *AXONS, metabolism/ *BRAIN, metabolism/ *CALCIUM, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPLEMENT FIXATION TESTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTAMATES, analysis/ IMMUNOASSAY/ ISOELECTRIC FOCUSING/ MOLECULAR WEIGHT/ NERVOUS SYSTEM, immunology/ PROTEIN BINDING/ PROTEINS, isolation & purification/ *PROTEINS, metabolism/ RABBITS, immunology/ SODIUM DODECYL SULFATE/ *SQUID

52. **Alexander DP, Britton HG, Corker CS, et al:** Plasma luteinizing hormone and oestrogen in foetal and maternal sheep. J Endocrinol 56:331-2, Feb 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ *LH, blood/ MALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RADIOIMMUNOASSAY/ *SHEEP, physiology/ TIME FACTORS

53. **Alexander DP, Britton HG, Cameron E, et al:** Adenohypophysis of foetal sheep: correlation of ultrastructure with functional activity.
J Physiol (Lond) 230:10P-12P, Apr 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, secretion/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ GESTATIONAL AGE/ GOLGI APPARATUS/ GONADOTROPINS, PITUITARY, secretion/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, secretion/ PROLACTIN, secretion/ *SHEEP, embryology/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

54. **Alexander DP, Britton HG, Cohen NM, et al:** The permeability of the sheep placenta to insulin: studies with the perfused placental preparation.
Biol Neonate 21:361-8, 1972
ANIMAL EXPERIMENTS/ *CELL MEMBRANE PERMEABILITY/ FEMALE/ FRUCTOSE/ GESTATIONAL AGE/ GLUCOSE, pharmacodynamics/ *INSULIN, blood/ INSULIN, pharmacodynamics/ MATERNAL-FETAL EXCHANGE/ PERFUSION/ PLACENTA, drug effects/ *PLACENTA, metabolism/ PREGNANCY/ SHEEP/ TIME FACTORS

55. **Alexander DP, Forsling ML, Martin MJ, et al:** The effect of maternal hypoxia on fetal pituitary hormone release in the sheep. Biol Neonate 21:219-28, 1972
ACID-BASE EQUILIBRIUM/ *ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ *ANOXIA, metabolism/ BLOOD SUGAR, analysis/ *CORTICOTROPIN, blood/ FETAL HEART, physiology/ *FETUS, metabolism/ FRUCTOSE, analysis/ HEART RATE/ *MATERNAL-FETAL EXCHANGE/ *NEUROPHYSINS, blood/ PREGNANCY/ SHEEP/ STRESS, physiopathology/ *VASOPRESSIN, blood

56. **Alford BR, Fechner RE:** Pathologic quiz case.
Arch Otolaryngol 97:426-8, May 73
ADENOMA, CHROMOPHOBE, diagnosis/ *ADENOMA, CHROMOPHOBE, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ PARANASAL SINUS NEOPLASMS, diagnosis/ *PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, pathology/ SPHENOID SINUS

57. **Alican F, Isin E, Cockrell JV:** One-stage allotransplantation of both lungs in the dog.
Ann Surg 177:193-8, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ BLOOD/ BLOOD CELL COUNT/ CARBON DIOXIDE, blood/ DOGS/ FEMALE/ GRAFT REJECTION/ HYDROGEN-ION CONCENTRATION/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ LUNG, pathology/ LUNG, radiography/ *LUNG, transplantation/ MALE/ METHODS/ METHOTREXATE, therapeutic use/ OXYGEN, blood/ POSTOPERATIVE CARE/ PREDNISONE/ PREDNISONE, administration & dosage/ TIME FACTORS/ TISSUE SURVIVAL/ TRANSPLANTATION, HOMOLOGOUS

58. **Allen DO, Clark JF, Ashmore J:** Study of phosphodiesterase inhibitors on lipolysis, phosphodiesterase activity and cyclic 3',5'-adenosine monophosphate levels in isolated fat cells.
J Pharmacol Exp Ther 185:379-85, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLYCOGEN PHOSPHORYLASE, metabolism/ HYDRAZINES, pharmacodynamics/ *LIPIDS, metabolism/ MALE/ PAPAVERINE, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ PYRAZOLES, pharmacodynamics/ PYRIDINES, pharmacodynamics/ RATS/ THEOPHYLLINE, administration & dosage/ THEOPHYLLINE, pharmacodynamics

59. **Allen WE, Chard T, Forsling ML:** Peripheral plasma levels of oxytocin and vasopressin in the mare during parturition. J Endocrinol 57:175-6, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CESAREAN SECTION/ FEMALE/ *HORSES, physiology/ *LABOR/ *OXYTOCIN, blood/ PITUITARY GLAND, physiology/ PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS/ *VASOPRESSIN, blood

60. **Almazov VA, Zhuravlewa TB, Naĭmark DA, et al:** Kapilliarit s preimushchestvennym porazbeniem sosudov pochek i legkikh (sindrom Goodpasture.
Klin Med (Mosk) 50:140-5, Oct 72 **(Rus)**
ADULT/ GLUCOCORTICOIDS, therapeutic use/ GOODPASTURE'S SYNDROME, drug therapy/ *GOODPASTURE'S SYNDROME, pathology/ HUMAN/ KIDNEY, pathology/ LUNG, pathology/ MALE/ SPLEEN, pathology

61. **Aloia JF, Field RA, Kramer S:** Treatment of

acromegaly. Arch Intern Med 131:509-15, Apr 73
ACROMEGALY, radiotherapy/ ACROMEGALY, surgery/ *ACROMEGALY, therapy/ ADENOMA, radiotherapy/ ADENOMA, surgery/ ADULT/ COBALT ISOTOPES/ FEMALE/ FOLLOW-UP STUDIES/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPOPHYSECTOMY/ MALE/ MIDDLE AGE/ PITUITARY GLAND IRRADIATION/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery/ RADIOTHERAPY, HIGH ENERGY/ SOMATOTROPIN, secretion

62. **Altman RF: A simple method for the rapid production of atherosclerosis in rats.**
Experientia 29:256, 15 Feb 73
ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, chemically induced/ CHOLESTEROL, administration & dosage/ *DISEASE MODELS, ANIMAL/ *RATS/ TIME FACTORS/ TUBE FEEDING/ VITAMIN D, administration & dosage

63. **Altman RP: Total thyroidectomy for the treatment of Graves' disease in children.**
J Pediatr Surg 8:295-300, Apr 73
ADOLESCENCE/ CHILD/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ *HYPERTHYROIDISM, surgery/ HYPOCALCEMIA, etiology/ LARYNGEAL EDEMA, etiology/ MALE/ METHIMAZOLE, therapeutic use/ METHODS/ POSTOPERATIVE COMPLICATIONS/ POTASSIUM IODIDE, therapeutic use/ PROPRANOLOL, therapeutic use/ PROPYLTHIOURACIL, therapeutic use/ THYROID HORMONES, therapeutic use/ *THYROIDECTOMY

64. **Altmeyer P: Erythematodes.**
Fortschr Med 90:1262-6, 7 Dec 72 (Ger)
ADULT/ AGE FACTORS/ ANTINUCLEAR FACTORS, analysis/ AUTOIMMUNE DISEASES, complications/ CHRONIC DISEASE/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *LUPUS ERYTHEMATOSUS, DISCOID/ LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ LUPUS ERYTHEMATOSUS, DISCOID, pathology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, etiology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MALE/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ PROGNOSIS/ SEX FACTORS/ SKIN MANIFESTATIONS

65. **Alvarez A, Fortuny A: Inclusion bodies in cells from a hydatidiform mole.**
Acta Cytol (Baltimore) 17:177-8, May-Jun 73
CELL NUCLEUS/ *CELLULAR INCLUSIONS/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, pathology/ PREGNANCY

66. **Alvarez-Buylla R, Livett BG, Uttenthal LO, et al: Immunochemical evidence for the transport of neurophysin in the hypothalamo-neurohypophysial system of the dog.**
Z Zellforsch Mikrosk Anat 137:435-50, 7 Mar 73
ANIMAL EXPERIMENTS/ AXONS, analysis/ AXONS, metabolism/ BIOLOGICAL TRANSPORT/ DOGS/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ HYPOTHALAMUS, analysis/ IMMUNE SERUMS/ IMMUNOCHEMISTRY/ MICROSURGERY/ *NEUROPHYSINS, analysis/ NEUROPHYSINS, metabolism/ NEUROSECRETION/ PITUITARY GLAND, POSTERIOR, surgery

67. **Amery A, Eyskens E, Delooz H, et al: Disappearance of endogenous renin from the circulation after nephrectomy in previously hepatectomized or colonectomized dogs.** J Endocrinol 56:259-65, Feb 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BLOOD PROTEINS, analysis/ BLOOD SUGAR/ CENTRAL VENOUS PRESSURE/ COLECTOMY/ *COLON, physiology/ DOGS/ FEMALE/ HALF-LIFE/ HEMATOCRIT/ HEPATECTOMY/ *KIDNEY, physiology/ LIVER, metabolism/ *LIVER, physiology/ MALE/ NEPHRECTOMY/ *RENIN, blood/ RENIN, metabolism

68. **Amiel DK, Moodie EW: Dairy herd wastage in South Eastern Queensland.** Aust Vet J 49:69-73, Feb 73
AGING/ ANIMAL EXPERIMENTS/ AUSTRALIA/ CATTLE/ *CATTLE DISEASES, occurrence/ *DAIRYING/ ECONOMICS/ FEMALE/ LACTATION/ MASTITIS, BOVINE, occurrence/ PREGNANCY/ STERILITY, FEMALE, occurrence/ STERILITY, FEMALE, veterinary

69. **Anand AS, Thompson KW, Wentworth BC, et al: Radioimmunoassay for equine luteinizing hormone.**
J Reprod Fertil 32:475-7, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ HORSES/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY

70. **Anan'eva NE: Opyt lecheniia mesakharnogo diabeta khlorpropamidom.** Ter Arkh 44:88-90, Oct 72 (Rus)
ADOLESCENCE/ ADULT/ CHLORPROPAMIDE, administration & dosage/ CHLORPROPAMIDE, adverse effects/ *CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ FEMALE/ HUMAN/ HYPOGLYCEMIA, chemically induced/ MALE/ MIDDLE AGE

71. **Andersen AC, Nelson VG, Simpson ME: Fractionated x-radiation damage to developing monkey ovaries.**
J Med Primatol 1:318-25, 1972
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ FETUS, radiation effects/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, radiation effects/ MALE/ *MONKEYS/ OVARY, cytology/ OVARY, embryology/ OVARY, pathology/ OVARY, physiology/ *OVARY, radiation effects/ PREGNANCY/ *RADIATION EFFECTS/ STERILIZATION, SEXUAL/ TESTIS, cytology/ TESTIS, radiation effects/ TIME FACTORS

72. **Anderson GG, Hobbins JC, Rajkovic V, et al: Midtrimester abortion using intraamniotic prostaglandin F2alpha.**
Prostaglandins 1:147-55, Feb 72
ABORTION, INDUCED/ ADULT/ AMNIOTIC FLUID/ BLOOD CELL COUNT/ BLOOD COAGULATION, drug effects/ CURETTAGE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, therapeutic use/ RADIOIMMUNOASSAY/ SODIUM CHLORIDE/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects

73. **Anderson GG, Hobbins JC, Speroff L, et al: The use of prostaglandins for the induction of labor.**
J Reprod Med 10:121-4, Mar 73
ADMINISTRATION, ORAL/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ METHYLATION/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use

74. **Anderson JN, Peck EJ Jr, Clark JH: Nuclear receptor-estrogen complex: relationship between concentration and early uterotrophic responses.**
Endocrinology 92:1488-95, May 73
ANIMAL EXPERIMENTS/ *BINDING SITES/ CARBON ISOTOPES/ *CELL NUCLEUS/ *ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ GLUCOSE, metabolism/ ORGAN WEIGHT/ RATS/ *RECEPTORS, HORMONE/ TIME FACTORS/

TRITIUM/ *UTERUS, drug effects/ UTERUS, metabolism/ WATER, metabolism

75. **Anderson RJ, Schafer LA, Olin DB, et al:** Infectious risk factors in the immunosuppressed host.
Am J Med 54:453-60, Apr 73
ADOLESCENCE/ ADULT/ AGAMMAGLOBULINEMIA, complications/ AGE FACTORS/ ANTILYMPHOCYTE SERUM, administration & dosage/ AZATHIOPRINE, administration & dosage/ CHILD/ FEMALE/ HUMAN/ HYPERGLYCEMIA, complications/ *IMMUNOSUPPRESSION/ *INFECTION, etiology/ *KIDNEY, transplantation/ LEUKOPENIA, complications/ MALE/ PREDNISONE, administration & dosage/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

76. **Anderson RJ, Schafer LA, Olin DB, et al:** Septicemia in renal transplant recipients.
Arch Surg 106:692-4, May 73
*ESCHERICHIA COLI INFECTIONS, occurrence/ GRAFT REJECTION/ HUMAN/ HYPERGLYCEMIA, etiology/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, etiology/ *KLEBSIELLA INFECTIONS, occurrence/ *MYCOSES, occurrence/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, adverse effects/ *PSEUDOMONAS INFECTIONS, occurrence/ RESPIRATORY TRACT INFECTIONS, complications/ SEPTICEMIA, complications/ SEPTICEMIA, mortality/ *SEPTICEMIA, occurrence/ *STAPHYLOCOCCAL INFECTIONS, occurrence/ URINARY TRACT INFECTIONS, complications/ WOUND INFECTION, complications

77. **Andersson RG:** Relationship between cyclic AMP, phosphodiesterase activity, calcium and contraction in intestinal smooth muscle.
Acta Physiol Scand 87:348-58, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CARBACHOL, pharmacodynamics/ COLON, metabolism/ DRUG SYNERGISM/ GASTROINTESTINAL MOTILITY/ GLYCOGEN, metabolism/ IMIDAZOLES, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, enzymology/ *MUSCLE, SMOOTH, metabolism/ *PHOSPHODIESTERASES, metabolism/ RABBITS/ TRANSFERASES, metabolism

78. **Andrada JA, Comini E, Premachandra BN:** Studies on thyroid immunity. VII. Splenectomy and monkey immune thyroiditis: thyroidal function and thyroxine transport. Clin Exp Immunol 13:303-26, Feb 73
AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, immunology/ AUTOIMMUNE DISEASES, pathology/ COMPLEMENT, analysis/ COMPLEMENT FIXATION TESTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ ELECTROPHORESIS, PAPER/ FEMALE/ FREUND'S ADJUVANT/ IODINE ISOTOPES/ MACACA/ MALE/ MONKEYS/ *SPLEEN, physiopathology/ SPLENECTOMY/ THYROID GLAND, pathology/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROIDITIS, etiology/ THYROIDITIS, immunology/ THYROIDITIS, pathology/ *THYROXINE, metabolism

79. **Andrew FD, Bowen D, Zimmerman EF:** Glucocorticoid inhibition of RNA synthesis and the critical period for cleft palate induction in inbred mice.
Teratology 7:167-75, Apr 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *CLEFT PALATE, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MICE, INBRED A/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ *PALATE, embryology/ PALATE, metabolism/ PREGNANCY/ RATS/ *RNA, biosynthesis/ RNA, MESSENGER/ TIME FACTORS/ TRIAMCINOLONE ACETONIDE, adverse effects/ TRIAMCINOLONE ACETONIDE, metabolism/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

80. **Andrieux-Domont C, Le van Hung:** Effects of magnesium deficiency on reproduction in the white rat. Br J Nutr 29:203-10, Mar 73
ABORTION, etiology/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ DIET/ FEMALE/ *FERTILITY/ FETAL DEATH, etiology/ *LACTATION/ LIVER, analysis/ MAGNESIUM, analysis/ *MAGNESIUM DEFICIENCY, complications/ MALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ STERILITY, FEMALE, etiology/ STERILITY, MALE, etiology

81. **Andrup O Jr:** Behandling av mb. Bechterew. Retningslinjer for medikamentell og fysikalsk-medisinsk behandling.
Tidsskr Nor Laegeforen 93:527-9, 20 Mar 73 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ ANALGESICS AND ANTIPYRETICS, therapeutic use/ ASPIRIN, therapeutic use/ EXERCISE THERAPY/ HUMAN/ PHYSICAL THERAPY/ SPONDYLITIS, ANKYLOSING, drug therapy/ *SPONDYLITIS, ANKYLOSING, therapy

82. **Angeli A, Boccuzzi G, Frajria R, et al:** Early variations of plasma cortisol after pulse intravenous injection of dibutyryl cyclic adenosine 3',5'-monophosphate in normal subjects.
Acta Endocrinol (Kbh) 72:753-61, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADOLESCENCE/ ADULT/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *11-HYDROXYCORTICOSTEROIDS, blood/ TIME FACTORS

83. **Angerbaek H:** Non-toxic goitre. Dyshormonogenesis.
Acta Endocrinol (Kbh) 72:671-83, Apr 73
ADULT/ BIOPSY/ CHROMATOGRAPHY/ FEMALE/ GEL FILTRATION/ *GOITER, metabolism/ HUMAN/ IODIDES, blood/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RECURRENCE/ THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN

84. **Angevine CD, Jacox RF:** Pseudogout in the elderly.
Arch Intern Med 131:693-6, May 73
AGED/ ARTHRITIS, diagnosis/ CALCIFICATION, PHYSIOLOGIC/ *CALCIUM PHOSPHATES/ CHONDROCALCINOSIS, diagnosis/ CHONDROCALCINOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GOUT, diagnosis/ HAND, radiography/ HUMAN/ HUMERUS, radiography/ MALE

85. **Angles d'Auriac G, Meyer P:** 3',5'-cyclic AMP phosphodiesterases in cytosol of uterine smooth muscle; effects of angiotensin.
Life Sci [II] 12:233-9, 8 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CYTOSOL, metabolism/ FEMALE/ KINETICS/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, enzymology/ MUSCLE, SMOOTH, metabolism/ *PHOSPHODIESTERASES, metabolism/ RATS/ UTERUS, drug effects/ UTERUS, enzymology

86. **Anokhin PK, Shumilina AI, Mamedov AM:** Kharakteristika statisticheskikh parametrov ritma raspriazheniia E.E.G. kory i podkorkovykh obrazovanii golovnogo mozga v usloviiakh bolevogo stressa.
Dokl Akad Nauk SSSR 209:249-52, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ AUTOMATIC DATA PROCESSING/ *BRAIN, physiopathology/

CEREBRAL CORTEX, physiopathology/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ HYPOTHALAMUS, physiopathology/ PAIN/ RABBITS/ RESPIRATION/ RETICULAR FORMATION, physiopathology/ STATISTICS/ *STRESS, physiopathology

87. Ansell ID, Hogbin B: Crohn's disease of the vulva.
J Obstet Gynaecol Br Commonw 80:376-8, Apr 73
ADULT/ *ENTERITIS, REGIONAL, complications/ EOSINOPHILS/ FEMALE/ HUMAN/ SKIN ULCER, complications/ STEROIDS, therapeutic use/ VULVA, surgery/ *VULVITIS, complications

88. Anton-Lamprecht I, Hofbauer M: Ultrastrukturelle Unterscheidungsmerkmale von autosomaldominanter Ichthyosis vulgaris und X-chromosomal rezessiver Ichthyosis.
Dermatologica 145:60-4, 1972 (Ger)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *GENES, DOMINANT/ *GENES, RECESSIVE/ HUMAN/ *ICHTHYOSIS/ ICHTHYOSIS, diagnosis/ ICHTHYOSIS, familial & genetic/ ICHTHYOSIS, pathology/ MICROSCOPY, ELECTRON/ SEX CHROMOSOMES

89. Aoki K, Takikawa K, Hotta K: Role of adrenal cortex and medulla in hypertension.
Nature [New Biol] 241:122-3, 24 Jan 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, physiopathology/ *ADRENAL MEDULLA, physiopathology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ EPINEPHRINE, analysis/ HEART, anatomy & histology/ *HYPERTENSION, physiopathology/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ RATS

90. Apasov GN, Korytova LI: Ob operativnom vmeshatel'stve na shchitovidnoi zheleze u bol'nykh limfogranulematozom.
Vestn Khir 109:29-33, Jan 73 (Rus)
ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ *HODGKIN'S DISEASE, surgery/ HUMAN/ MALE/ RADIOISOTOPE SCANNING/ *THYROIDECTOMY

91. Aperia A, Berg U, Broberger O, et al: The renal response to an oral salt and fluid load in children with coarctation of the aorta.
Acta Paediatr Scand 62:241-7, May 73
ADOLESCENCE/ ALDOSTERONE, urine/ AMINOHIPPURIC ACID, blood/ *AORTIC COARCTATION, physiopathology/ AORTIC COARCTATION, surgery/ AORTOGRAPHY/ BLOOD PRESSURE/ CHILD/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ INULIN, blood/ *KIDNEY, physiopathology/ KIDNEY CONCENTRATING ABILITY/ KIDNEY FUNCTION TESTS/ *KIDNEY TUBULES, physiopathology/ MALE/ *NATRIURESIS/ PULSE/ SODIUM CHLORIDE, diagnostic use/ VASCULAR RESISTANCE/ WATER-ELECTROLYTE BALANCE

92. Appleton D, Morley AR, Wright NA: Cell proliferation in the castrate mouse seminal vesicle in response to testosterone propionate. II. Theoretical considerations. Cell Tissue Kinet 6:247-58, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CELL DIVISION, drug effects/ COMPUTERS/ DATA DISPLAY/ KINETICS/ MALE/ MATHEMATICS/ MICE/ MICE, INBRED BALB C/ MITOSIS/ MODELS, BIOLOGICAL/ PROBABILITY/ *PROPIONATES, pharmacodynamics/ *SEMINAL VESICLES, drug effects/ *TESTOSTERONE, pharmacodynamics

93. Apps MC, Cater DB: Production of histamine-like and prostaglandin-like substances from serum incubated with rat, dog, mouse or human tumours.
Br J Exp Pathol 54:203-21, Apr 73
ACETATES/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ COMPLEMENT/ DOGS/ HEPATOMA, metabolism/ HISTAMINE, biosynthesis/ HISTAMINE, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LIPIDS, biosynthesis/ LIPIDS, pharmacodynamics/ LIVER, metabolism/ LIVER NEOPLASMS, metabolism/ MICE/ MUSCLE CONTRACTION/ MUSCLES, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NEOPLASMS, EXPERIMENTAL, metabolism/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RATS/ STOMACH, drug effects/ TIME FACTORS

94. Aprosina ZG, Ra RABINA EV: Sluchaĭ biliarnogo tsirroza pecheni vsledstvie metastaza germenoĭnoaktivnoĭ arrenoblastomy v pechenochnyĭ protok. Ter Arkh 44:102-5, Oct 72 (Rus)
ADULT/ *ARRHENOBLASTOMA, complications/ ARRHENOBLASTOMA, pathology/ AUTOIMMUNE DISEASES/ AUTOPSY/ *BILE DUCT NEOPLASMS, complications/ BILE DUCT NEOPLASMS, pathology/ COMMON BILE DUCT, pathology/ ENGLISH ABSTRACT/ FEMALE/ HEPATIC DUCT, pathology/ HUMAN/ *LIVER CIRRHOSIS, OBSTRUCTIVE, etiology/ LIVER CIRRHOSIS, OBSTRUCTIVE, pathology/ NEOPLASM METASTASIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

95. Arai K, Kuwabara Y, Kihara K, et al: Steroid hormone levels in human fetal blood during delivery.
Am J Obstet Gynecol 114:812-5, 15 Nov 72
ADRENAL GLANDS, metabolism/ BLOOD/ *DEHYDROEPIANDROSTERONE, blood/ *DELIVERY/ *ESTRIOL, blood/ FEMALE/ *FETUS, metabolism/ HUMAN/ *LABOR/ PREGNANCY/ SCALP, blood supply/ UMBILICAL CORD

96. Archer J: The influence of testosterone on chick behavior in novel environments.
Behav Biol 8:93-108, Jan 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ CHICKENS/ EMOTIONS, drug effects/ *EXPLORATORY BEHAVIOR, drug effects/ HOUSING, ANIMAL/ IMMOBILIZATION/ MALE/ MOTOR ACTIVITY, drug effects/ REACTION TIME, drug effects/ *TESTOSTERONE, pharmacodynamics/ VOCALIZATION, ANIMAL

97. Arendarčik J, Maraček I: Nukleárny volumen a celulárna aktivita gonadotropných buniek adenohypofýzy bahníc po bilaterálnej ovariektómii
Vet Med (Praha) 18:81-93, 1973 (Slo)
*CELL NUCLEUS/ CELLS, physiology/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ FSH, secretion/ *GONADOTROPINS, PITUITARY/ HUMAN/ LH, blood/ LH, secretion/ *OVARY, surgery/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, physiology/ RATS/ SHEEP

98. Arimura A, Debeljuk L, Shiino M, et al: Follicular stimulation by chronic treatment with synthetic LH-releasing hormone in hypophysectomized female rata bearing pituitary grafts.
Endocrinology 92:1507-14, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ ESTROGENS, blood/ FEMALE/ FSH, blood/ HYPOPHYSECTOMY/ *LH/ LH, blood/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, drug effects/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, transplantation/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROLACTIN, blood/ RATS/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS, anatomy & histology/ UTERUS, drug effects

99. Arimura H: Effect of lysozyme from human placenta on ectromelia virus. Acta Virol (Praha) 17:130-7, Mar 73
ANTIVIRAL AGENTS, pharmacodynamics/ BACTERIOLYSIS/ CENTRIFUGATION,

DENSITY GRADIENT/ CYTOPATHOGENIC EFFECT, VIRAL/ *ECTROMELIA VIRUS, drug effects/ ECTROMELIA VIRUS, growth & development/ ECTROMELIA VIRUS, isolation & purification/ FEMALE/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ L CELLS/ L CELLS, drug effects/ MICE/ MICROCOCCUS, drug effects/ *MURAMIDASE, pharmacodynamics/ *PLACENTA, enzymology/ PLAQUE ASSAY

100. **Arms RA, Divertie MB:** Roentgenogram of the month. Bilateral nodular thoracic densities in an edematous hypertensive woman. Chest 63:813-4, May 73
CUSHING'S SYNDROME, complications/ *CUSHING'S SYNDROME, radiography/ FEMALE/ HUMAN/ HYPERTENSION, complications/ MIDDLE AGE/ RIB FRACTURES, complications/ *RIB FRACTURES, radiography

101. **Armstrong BK, Beahan PG, Leedman RL:** Phaeochromocytoma with catecholamine cardiomyopathy successfully treated surgically. Aust NZ J Med 2:402-4, Nov 72
ACETANILIDE, therapeutic use/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ AMINO ALCOHOLS, therapeutic use/ CATECHOLAMINES/ CENTRAL VENOUS PRESSURE, drug effects/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ HYPERTENSION, etiology/ MIDDLE AGE/ MYOCARDIAL DISEASES, SECONDARY, diagnosis/ *MYOCARDIAL DISEASES, SECONDARY, etiology/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, surgery/ PROPRANOLOL, therapeutic use

102. **Armstrong DT, Grinwich DL:** Blockade of spontaneous and LH-induced ovulation in rats by indomethacin, an inhibitor of prostaglandin biosynthesis. I. Prostaglandins 1:21-8, Jan 72
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ DEPRESSION, CHEMICAL/ ESTRUS/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ LH, pharmacodynamics/ OVARY, anatomy & histology/ OVIDUCTS, anatomy & histology/ OVULATION, drug effects/ PROGESTERONE, secretion/ PROSTAGLANDINS, antagonists & inhibitors/ RATS/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, physiology

103. **Arnaud SB, Goldsmith RS, Stickler GB, et al:** Serum parathyroid hormone and blood minerals: interrelationships in normal children. Pediatr Res 7:485-93, May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ALKALINE PHOSPHATASE, blood/ BONE DEVELOPMENT/ *CALCIUM, blood/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GROWTH/ HUMAN/ INFANT/ IONS/ *MAGNESIUM, blood/ MAGNESIUM, metabolism/ MALE/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, physiology/ *PHOSPHORUS, blood/ PHOSPHORUS, metabolism/ SEX CHARACTERISTICS

104. **Arneil GC:** Rickets in Glasgow today. Practitioner 210:331-9, Mar 73
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ INFANT/ INFANT, PREMATURE/ MALE/ *RICKETS, occurrence/ RICKETS, prevention & control/ SCOTLAND

105. **Arnthorsson G, Ohrn PG, Segerström A:** Gastric secretion in relation to parathyroid dysfunction in rats with chronic gastric fistulae. Ups J Med Sci 78:48-54, 1973
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHLORIDES, secretion/ *GASTRIC FISTULA/ GASTRIC JUICE, analysis/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, secretion/ HYDROGEN-ION CONCENTRATION/ HYPERPARATHYROIDISM, physiopathology/ HYPOPARATHYROIDISM, physiopathology/ MALE/ METHODS/ NEURAMINIC ACIDS, secretion/ *PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ RATS

106. **Aron C, Roos J, Chateau D, et al:** Stimulus olfactifs et régulation de la durée du cycle ovarien chez la ratte. Ann Endocrinol (Paris) 33:23-33, Jan-Feb 72 (Fre)
ANIMAL EXPERIMENTS/ *BIOLOGICAL CLOCKS/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ *LIMBIC SYSTEM, physiology/ OLFACTORY BULB, physiology/ OVARY, physiology/ RATS/ TIME FACTORS

107. **Aron-Brunetière R, Jayle MF, Robin J:** Les résultats du soage des stéroïdes urinaires (explorations de base et expiration dynamique de l'ovaire) dans la séborrhée et l'hirsutisme féminins. Ann Endocrinol (Paris) 33:493-506, Sep-Oct 72 (Fre)
ADOLESCENCE/ ADRENAL GLANDS, drug effects/ ADULT/ ANDROSTERONE, secretion/ ANDROSTERONE, urine/ DEHYDROEPIANDROSTERONE, urine/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ ESTROGENS, urine/ ETIOCHOLANOLONE, secretion/ ETIOCHOLANOLONE, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, physiology/ HIRSUTISM, physiopathology/ *HIRSUTISM, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MENSTRUATION DISORDERS, physiopathology/ MENSTRUATION DISORDERS, urine/ MIDDLE AGE/ *OVARY, secretion/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ SEBORRHEA, physiopathology/ *SEBORRHEA, urine/ STEROIDS, secretion/ *STEROIDS, urine

108. **Aronson AS, Andersson KE, Bergstrand CG, et al:** Treatment of diabetes insipidus in children with DDAVP, a synthetic analogue of vasopressin. Acta Paediatr Scand 62:133-40, Mar 73
ADMINISTRATION, INTRANASAL/ ADOLESCENCE/ ARGININE/ CHILD/ CHILD, PRESCHOOL/ DELAYED-ACTION PREPARATIONS/ DEPRESSION, CHEMICAL/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ DIURESIS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ OSMOLAR CONCENTRATION/ TIME FACTORS/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, therapeutic use

109. **Arora RB, Gupta L, Bagchi N, et al:** Effect of some new anticonvulsant compounds on the brain 5-hydroxytryptamine levels in rats. Indian J Exp Biol 10:315-6, Jul 72
*ANTICONVULSANTS, pharmacodynamics/ AZOLES, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ IMINES, pharmacodynamics/ *SEROTONIN, analysis/ STIMULATION, CHEMICAL

110. **Arora RB, Taneja V, Sharma BC, et al:** Anti-inflammatory studies on a crystalline steroid isolated from Commiphora mukul. Indian J Med Res 60:929-31, Jun 72
ANIMAL EXPERIMENTS/ *ARTHRITIS, drug therapy/ ARTHRITIS, etiology/ COMPARATIVE STUDY/ FREUND'S ADJUVANT/ HYDROCORTISONE, therapeutic use/ PETROLEUM/ PHENYLBUTAZONE, therapeutic use/ PLANT EXTRACTS/ *PLANTS, MEDICINAL/ RATS/ *STEROIDS, therapeutic use

111. **Arroyo H, Aubert L:** Hyperthyroïdies avec galactorrhée et aménorrhée. Ann Endocrinol (Paris) 33:49-52, Jan-Feb 72 (Fre)
ADULT/ *AMENORRHEA, complications/ AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ HUMAN/

*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology/ *LACTATION DISORDERS, complications/ LACTATION DISORDERS, physiopathology

112. **Arroyo-Scotoliff H:** Metaphyseal dysostosis, Jansen type. J Bone Joint Surg [Am] 55:623-9, Apr 73
*BONE DISEASES, DEVELOPMENTAL/ BONE DISEASES, DEVELOPMENTAL, pathology/ BONE DISEASES, DEVELOPMENTAL, radiography/ *CARTILAGE, ARTICULAR/ CASE REPORT/ CHILD/ DWARFISM/ FIBULA, radiography/ HUMAN/ HUMERUS, radiography/ *LEG/ LEG, radiography/ MALE/ *MENTAL RETARDATION, complications/ MINERALS, metabolism/ OSSIFICATION, PATHOLOGIC, pathology/ TIBIA, radiography

113. **Arvanitakis C:** Remission in Wegener's granulomatosis. J Laryngol Otol 87:289-94, Mar 73
ADULT/ BIOPSY/ *CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ LEUKOCYTE COUNT/ MALE/ MOUTH NEOPLASMS, drug therapy/ *PREDNISOLONE, therapeutic use/ PROTEINURIA, complications/ REMISSION/ *WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, pathology

114. **Arvanitakis C, Malek G, Uehling D, et al:** Colonic complications after renal transplantation. Gastroenterology 64:533-8, Apr 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE, therapeutic use/ CADAVER/ COLECTOMY/ COLITIS, etiology/ *COLON, blood supply/ COLON, pathology/ DIARRHEA, etiology/ FEMALE/ GLOMERULONEPHRITIS, surgery/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ ILEUM, blood supply/ ILEUM, pathology/ INTESTINAL MUCOSA, pathology/ ISCHEMIA, drug therapy/ *ISCHEMIA, etiology/ ISCHEMIA, pathology/ ISCHEMIA, radiography/ *KIDNEY, transplantation/ MALE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

115. **Arzamastsev AP:** Primenenie IK-spektrofotometrii dlia kharakteristiki standartnykh ohraztsov kortizon-atsetata.
Farmatsiia 22:40-5, Jan-Feb 73 (Rus)
*CORTISONE, analysis/ ENGLISH ABSTRACT/ *SPECTROPHOTOMETRY, standards

116. **Asch L:** Goutte et hyperuricémie au cours du jeûne. Action d'une hormonothérapie thyroidienne associée.
Rev Rhum Mal Osteoartic 40:27-30, Jan 73 (Fre)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ *FASTING, adverse effects/ FEMALE/ *GOUT, etiology/ HUMAN/ MALE/ MIDDLE AGE/ OBESITY, therapy/ *TRIIODOTHYRONINE, therapeutic use/ *URIC ACID, blood/ URIC ACID, metabolism/ URIC ACID, urine

117. **Asher WL, Harper HW:** Effect of human chorionic gonadotrophin on weight loss, hunger, and feeling of well-being. Am J Clin Nutr 26:211-8, Feb 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE/ BODY WEIGHT, drug effects/ BREAD/ CLINICAL RESEARCH/ DIET/ DIET, REDUCING/ DIETARY PROTEINS/ FEMALE/ FRUIT/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HEALTH/ HUMAN/ *HUNGER, drug effects/ INJECTIONS, INTRAMUSCULAR/ MIDDLE AGE/ NUTRITION/ *OBESITY, drug therapy/ OBESITY, therapy/ PLACEBOS/ VEGETABLES

118. **Astapov BM, Bogoliubov VM, Matveenko EG, et al:** Vliianie inderala na serdtse u hol'nykh tireotoksikozom (kliniko-rentgenologicheskoe issledovanie.
Klin Med (Mosk) 50:90-5, Aug 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ *HEART, drug effects/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MATHEMATICS/ MIDDLE AGE/ *PROPRANOLOL, therapeutic use

119. **Atasü T:** Die Ostriol-Ausscheidung in der normalen Schwangerschaft und bei Präeklampsie.
Wien Med Wochenschr 123:237-40, 14 Apr 73 (Ger)
BIRTH WEIGHT/ ECLAMPSIA, physiopathology/ *ECLAMPSIA, urine/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ SEX FACTORS/ TIME FACTORS

120. **Atkin NB:** Y bodies and similar fluorescent chromocentres in human tumours including teratomata. Br J Cancer 27:183-9, Feb 73
ADENOCARCINOMA, familial & genetic/ CARCINOMA, familial & genetic/ COLONIC NEOPLASMS, familial & genetic/ DISGERMINOMA, familial & genetic/ FEMALE/ HUMAN/ MALE/ *MICROSCOPY, FLUORESCENCE/ OVARIAN NEOPLASMS, familial & genetic/ POLYPS, familial & genetic/ QUINACRINE/ SEX CHROMATIN/ *SEX CHROMOSOMES/ STAINS AND STAINING/ *TERATOID TUMOR, familial & genetic

121. **Atkin NB, Petković I:** Variable sex chromatin pattern in an early carcinoma of the bladder.
J Clin Pathol 26:126-9, Feb 73
*BLADDER NEOPLASMS, familial & genetic/ BLADDER NEOPLASMS, pathology/ *CARCINOMA, TRANSITIONAL CELL, familial & genetic/ CARCINOMA, TRANSITIONAL CELL, pathology/ CELL LINE/ CLONE CELLS/ DIPLOIDY/ DNA, NEOPLASM, analysis/ FEMALE/ HUMAN/ MIDDLE AGE/ MITOSIS/ NEOPLASM METASTASIS/ *SEX CHROMATIN

122. **Atkinson JP, Schreiber AD, Frank MM:** Effects of corticosteroids and splenectomy on the immune clearance and destruction of erythrocytes.
J Clin Invest 52:1509-17, Jun 73
ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANIMAL EXPERIMENTS/ BINDING SITES/ BODY WEIGHT, drug effects/ CHROMIUM ISOTOPES/ COMPLEMENT/ *CORTISONE, pharmacodynamics/ CORTISONE, therapeutic use/ *ERYTHROCYTES, drug effects/ ERYTHROCYTES, immunology/ GUINEA PIGS/ HEMATOCRIT/ *HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ IGG/ IGM/ KINETICS/ LIVER, drug effects/ ORGAN WEIGHT/ SPLEEN, drug effects/ SPLEEN, physiology/ *SPLENECTOMY

123. **Atkinson PM:** The effect of unilateral experimental cryptorchidism and subsequent orchidopexy upon maturation of the contralateral scrotal testicle of the guinea-pig. Br J Surg 60:258-60, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOPSY/ *CRYPTORCHISM, physiopathology/ CRYPTORCHISM, surgery/ GUINEA PIGS/ MALE/ PUBERTY/ *SCROTUM, surgery/ SPERMATOGENESIS/ *TESTIS, growth & development/ TESTIS, pathology

124. **Atkinson PM:** The effects of early experimental cryptorchidism and subsequent orchidopexy on the maturation of the guinea-pig testicle.
Br J Surg 60:253-8, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOPSY/ *CRYPTORCHISM, pathology/ CRYPTORCHISM, surgery/ FEMALE/ GUINEA PIGS/ PUBERTY/ *SCROTUM, surgery/ SPERMATOGENESIS/ *TESTIS, growth & development/ TESTIS, pathology

125. **Attila U, Talanti S:** Incorporation of 35 S-labelled cysteine in the subcommissural organ of the rat after adrenalectomy and after treatment with hydrocortisone. Acta Physiol Scand 87:422-4, Mar 73
*ADRENAL GLANDS, physiology/

ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ *CYSTEINE, metabolism/ *EPENDYMA, metabolism/ *HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ SULFUR ISOTOPES

126. **Attramadal A:** Reguleringen av gonadotropinsekresjonen.
Tidsskr Nor Laegeforen 92:2148-54, 20 Nov 72 (Nor)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEEDBACK/ FEMALE/ FSH, secretion/ GONADOTROPINS, PITUITARY, antagonists & inhibitors/ *GONADOTROPINS, PITUITARY, secretion/ HYPOTHALAMUS, drug effects/ LH, secretion/ MALE/ NEURAL TRANSMISSION/ PITUITARY GLAND, secretion/ PROGESTERONE, pharmacodynamics/ PROLACTIN, secretion/ RATS/ SYNAPSES/ TESTOSTERONE, pharmacodynamics/ TRITIUM

127. **Atwood DG:** Correlation of gamete shedding with presence of neurosecretory granules in asteroids (Echinodermata).
Gen Comp Endocrinol 20:347-50, Apr 73
ANIMAL EXPERIMENTS/ CARDIA/ *ECHINODERMATA, physiology/ FEMALE/ MALE/ *NEUROSECRETORY SYSTEMS, physiology/ OVUM/ RADIAL NERVE/ *REPRODUCTION/ SKIN/ SPERMATOZOA/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics

128. **Aubert L, Arroyo H, Detolle P, et al:** Nanisme hyposomatotrophique de l'un de deux jumeaux.
Ann Endocrinol (Paris) 33:41-8, Jan-Feb 72 (Fre)
ADOLESCENCE/ ARGININE, diagnostic use/ BLOOD SUGAR, analysis/ *DISEASES IN TWINS/ *DWARFISM, PITUITARY, congenital/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ HUMAN/ INSULIN, diagnostic use/ LH, blood/ SOMATOTROPIN, blood/ *SOMATOTROPIN, physiology

129. **Aubrey DA, Peeling WB:** Carcinoma of the prostate. A retrospective analysis of conventional management in 110 cases. Br J Surg 60:283-6, Apr 73
ACID PHOSPHATASE, blood/ AGE FACTORS/ AGED/ BLOOD SEDIMENTATION/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, therapeutic use/ GREAT BRITAIN/ HEMOGLOBIN/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATIC HYPERTROPHY, diagnosis/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy/ RETROSPECTIVE STUDIES/ UREA, blood/ URINATION DISORDERS, etiology

130. **Auquier L, Paolaggi JB:** Diagnostic étiopathogénique des différents cas de lombalgie.
Rev Prat 22:3051-9, 1 Sep 72 (Fre)
AGE FACTORS/ BACKACHE, diagnosis/ BACKACHE, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ INFLAMMATION/ LUMBOSACRAL REGION/ OSTEOPOROSIS, diagnosis/ SCHEUERMANN'S DISEASE, diagnosis/ SPECIAL LIST FOREIGN

131. **Auricchio F, Mollica L, Liguori A:** Inactivation of tyrosine aminotransferase in neutral homogenates and rat liver slices. Biochem J 129:1131-8, Oct 72
ADENOSINE TRIPHOSPHATE, analysis/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATHEPSIN/ CHROMATOGRAPHY/ CYSTEINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *LIVER, enzymology/ LYSOSOMES, enzymology/ PROTEINS, biosynthesis/ RATS/ TIME FACTORS/ *TRIAMCINOLONE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM/ TYROSINE AMINOTRANSFERASE, analysis/ *TYROSINE AMINOTRANSFERASE, antagonists & inhibitors

132. **Avdiukovskaia VP:** Pro syndrom Kharmmana-Richa. Ohliad literatury.
Pediatr Akush Ginekol 1:26-8, 1973 (Ukr)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ BLOOD GAS ANALYSIS/ BRONCHOGRAPHY/ CHILD/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ HORMONES, therapeutic use/ HUMAN/ LIVER FUNCTION TESTS/ MIDDLE AGE/ *PULMONARY FIBROSIS/ PULMONARY FIBROSIS, blood/ PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, diagnosis/ PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, etiology/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, physiopathology/ PULMONARY FIBROSIS, radiography/ RESPIRATORY INSUFFICIENCY, etiology/ REVIEW

133. **Avogaro P, Capri C, Pais M, et al:** Plasma and urine cortisol behavior and fat mobilization in man after coffee ingestion. Isr J Med Sci 9:114-9, Feb 73
ADOLESCENCE/ ADULT/ AGED/ AGING/ BLOOD SUGAR, metabolism/ *COFFEE/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, urine/ KINETICS/ *LIPID MOBILIZATION/ MALE/ MIDDLE AGE

134. **Axelrod J:** Nobel Prize winner talks about noradrenaline, nerves and aging.
Geriatrics 28:42 passim, Mar 73
*AGING/ HUMAN/ *NEURAL TRANSMISSION/ NOBEL PRIZE/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ PINEAL BODY, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiology

135. **Aynsley-Green A, Alberti KG:** Diuretics and carbohydrate metabolism: the effects of furosemide and amiloride on blood glucose, plasma insulin and cations in the rat. Diabetologia 9:34-42, Feb 73
ADRENALECTOMY/ AMILORIDE, pharmacodynamics/ AMILORIDE, toxicity/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ CHEMISTRY/ DIABETES MELLITUS, chemically induced/ DISEASE MODELS, ANIMAL/ *DIURETICS, pharmacodynamics/ ERYTHROCYTES, analysis/ FUROSEMIDE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HYPERKALEMIA, chemically induced/ *INSULIN, blood/ MALE/ POTASSIUM, analysis/ *POTASSIUM, blood/ PYRAZINES, pharmacodynamics/ RATS/ SODIUM, analysis/ *SODIUM, blood/ STREPTOZOTOCIN

136. **Azanjac R, Mićić R, Dangubić V:** Generalizovana milijarna tuberkuloza u odraslih, sa posebnim osvrtom na ulogu kortikosteroida u njenom razvoju.
Vojnosanit Pregl 29:517-21, Nov 72 (Cro)
ADOLESCENCE/ ADULT/ *GLUCOCORTICOIDS, adverse effects/ HUMAN/ MALE/ MYCOBACTERIUM TUBERCULOSIS, pathogenicity/ *TUBERCULOSIS, MILIARY, chemically induced

137. **Azar HA, Moscovic EA, Abu-Nassar SG, et al:** Some aspects of sarcoidosis. Curr Top Pathol 57:49-80, 1973
CELL MEMBRANE/ CELLULAR INCLUSIONS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ HUMAN/ HYPERCALCEMIA, complications/ HYPERGAMMAGLOBULINEMIA, complications/ HYPERSENSITIVITY, DELAYED/ LYMPH NODES, pathology/ MACROPHAGES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MYCOBACTERIUM/ POLLEN/ SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, etiology/ SARCOIDOSIS, immunology/ *SARCOIDOSIS, pathology/ SKIN TESTS

138. **Aznar Reig A, Herrera Justiniano E, Rodríguez de Quesada B, et al:** Absorción intestinal de calcio 47 en la cirrósis hepática.
Rev Clin Esp 128:467-74, 31 Mar 73 (Spa)
CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTESTINAL ABSORPTION/ *LIVER CIRRHOSIS, metabolism/ MALE/ PHOSPHORUS, blood/ VITAMIN B 12, metabolism/ XYLOSE, diagnostic use

139. **Aznar Neig A, Jiménez Castellanos J, Holgado Silva C, et al:** Diabétes insípida, hiponatremia-hiponatriuria y craneoraringioma en un adulto.
Rev Iber Endocrinol 20:171-206, Mar 73 (Spa)
*BRAIN NEOPLASMS, complications/ *CRANIOPHARYNGIOMA, complications/ *DIABETES INSIPIDUS, etiology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ *HYPONATREMIA, etiology/ MALE/ MIDDLE AGE/ *NATRIURESIS/ NEUROLOGIC MANIFESTATIONS

140. **Asoury RS:** The Dalkon Shield in private practice.
J Med Liban 25:541-6, 1972
ADOLESCENCE/ ADULT/ CHILD/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ LEBANON/ MIDDLE AGE/ PREGNANCY/ *PRIVATE PRACTICE

B

141. **Baba I, Duma I, Maniu M:** Cercetări asupra corela tiilor dintre pH-ul plăcii dentare, frecven ta carilor si parodontopatiilor si func tia tiroidiană testată cu radioiod.
Stomatologia (Bucur) 19:491-6, Nov-Dec 72 (Rum)
*DENTAL CARIES, occurrence/ *DENTAL PLAQUE, metabolism/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ IODINE, analysis/ IODINE ISOTOPES, DIAGNOSTIC/ *PERIODONTAL DISEASES, occurrence/ SALIVA, analysis/ THYROID GLAND FUNCTION TESTS

142. **Bach JF, Dardenne M, Bach MA:** Demonstration of a circulating thymic hormone in mouse and in man.
Transplant Proc 5:99-104, Mar 73
ANIMAL EXPERIMENTS/ ANTIGENS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ *HORMONES/ HUMAN/ IMMUNE ADHERENCE REACTION/ LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ SPLEEN, cytology/ SPLENECTOMY/ THYMECTOMY/ *THYMUS GLAND, immunology/ THYMUS GLAND, transplantation

143. **Bach MC, Sahyoun A, Adler JL, et al:** High incidence of fungus infections in renal transplantation patients treated with antilymphocyte and conventional immunosuppression. Transplant Proc 5:549-53, Mar 73
AMPHOTERICIN B, therapeutic use/ *ANTILYMPHOCYTE SERUM, therapeutic use/ ASPERGILLUS, isolation & purification/ AZATHIOPRINE, therapeutic use/ CRYPTOCOCCUS NEOFORMANS, isolation & purification/ GRAFT REJECTION, drug therapy/ HUMAN/ *IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ METHYLPREDNISOLONE, therapeutic use/ MYCOSES, drug therapy/ *MYCOSES, etiology/ MYCOSES, microbiology/ NOCARDIA, isolation & purification/ PREDNISONE, therapeutic use/ SULFADIAZINE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

144. **Bachra BN, Meulen-van Harskamp GA:** The effect of tetracycline and oxytetracycline on the formation of biological apatite. Calcif Tissue Res 11:95-6, 25 Jan 73
ANIMAL EXPERIMENTS/ APATITES, antagonists & inhibitors/ *APATITES, biosynthesis/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ *OXYTETRACYCLINE, pharmacodynamics/ *TETRACYCLINE, pharmacodynamics

145. **Backlund EO:** Studies on craniopharyngiomas. 3. Stereotaxic treatment with intracystic yttrium-90.
Acta Chir Scand 139:237-47, 1973
ADOLESCENCE/ ADRENAL GLAND DISEASES, complications/ ADULT/ AGED/ BIOPSY, NEEDLE/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, radiotherapy/ CHILD/ CRANIOPHARYNGIOMA, complications/ *CRANIOPHARYNGIOMA, radiotherapy/ DIABETES INSIPIDUS, complications/ FEMALE/ HEADACHE/ HUMAN/ HYPOGONADISM, complications/ MALE/ MIDDLE AGE/ PAPILLEDEMA, complications/ SKULL, radiography/ STEREOTAXIC TECHNICS/ VISION DISORDERS, complications/ *YTTRIUM ISOTOPES, therapeutic use

146. **Badaracco M, Vessey MP, Wiggins P:** The effect of the statement by the Committee on Safety of Drugs concerning oral contraceptives containing oestrogens on the contraceptive practices of women attending two family planning clinics.
J Obstet Gynaecol Br Commonw 80:353-6, Apr 73
BIRTH RATE/ CONTRACEPTIVE DEVICES/ *CONTRACEPTIVES, ORAL/ *DRUG AND NARCOTIC CONTROL/ ENGLAND/ ESTROGENS, administration & dosage/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ PREGNANCY/ PREGNANCY, UNWANTED/ PUBLIC OPINION

147. **Bagley C, Greer S, Ramsay I:** Human relations: the uncontrolled variable in double-blind clinical trials.
Res Commun Chem Pathol Pharmacol 5:529-37, Mar 73
ADULT/ ANXIETY, drug therapy/ ANXIETY, etiology/ CLINICAL RESEARCH/ DRUG THERAPY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ *INTERPERSONAL RELATIONS/ MIDDLE AGE/ PHARMACOLOGY/ PROPRANOLOL, therapeutic use/ PSYCHIATRIC STATUS RATING SCALES/ *RESEARCH DESIGN

148. **Bagli NP, Shah PN:** A comparison between total gonadotropin assays using mouse uterine units and milligram equivalents of the second international reference preparation from human menopausal urine.
Indian J Med Res 60:339-46, Mar 72
BIOLOGICAL ASSAY/ FEMALE/ GONADOTROPINS, standards/ *GONADOTROPINS, urine/ HUMAN/ MALE/ *MENOPAUSE/ MICE/ *UTERUS

149. **Bagramian ER, Golod EA:** Biosintez estrogenov pri beremennosti (obzor literatury.
Akush Ginekol (Mosk) 49:3-8, Feb 73 (23 ref.) (Rus)
ADRENAL CORTEX HORMONES, biosynthesis/ ANDROGENS, biosynthesis/ *ESTROGENS, biosynthesis/ FEMALE/ FETUS, metabolism/ HUMAN/ HYDROXYLATION/ MATERNAL-FETAL EXCHANGE/ OVARY, metabolism/ PLACENTAL HORMONES, biosynthesis/ *PREGNANCY/ REVIEW

150. **Bagshawe KD:** Radioimmunoassay follow-up of hydatidiform mole. Br Med J 2:241, 28 Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYDATIDIFORM MOLE/ HYDATIDIFORM MOLE, mortality/ HYDATIDIFORM MOLE, surgery/ HYSTERECTOMY/ MIDDLE AGE/ *RADIOIMMUNOASSAY

151. **Bahlmann J, Kriskemper HL:** Elimination of iodine-containing contrast media by haemodialysis.
Nephron 10:250-5, 1973
BLOOD FLOW VELOCITY/ BLOOD UREA NITROGEN/ CREATININE, blood/ *DIATRIZOATE, metabolism/ HEMODIALYSIS/ HUMAN/ IODINE, analysis/ *IODINE, blood/ KIDNEY, pathology/ KIDNEY FAILURE, ACUTE, pathology/ PROTEIN-BOUND IODINE TEST

152. **Bahr JT, Bonner WD Jr:** Cyanide-insensitive respiration. I. The steady states of skunk cabbage spadix and bean hypocotyl mitochondria.
J Biol Chem 248:3441-5, 25 May 73
ADENOSINE DIPHOSPHATE, metabolism/ BENZENE DERIVATIVES, pharmacodynamics/ BROMINE, pharmacodynamics/ CHLORINE, pharmacodynamics/ *CYANIDES, pharmacodynamics/ CYTOCHROMES, metabolism/ *HYDROXAMIC ACID, pharmacodynamics/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ NAD, metabolism/ NAPHTHALENES, pharmacodynamics/ OXIDATION-REDUCTION/ *OXYGEN CONSUMPTION, drug effects/ PLANTS, cytology/ PLANTS, drug effects/ *PLANTS, metabolism/ POLAROGRAPHY/ POTASSIUM, pharmacodynamics/ QUINOLINES, pharmacodynamics/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUCCINATES, metabolism/ THIOCYANATES, pharmacodynamics

153. **Bailey JM, Dunbar LM:** Essential fatty acid requirements of cells in tissue culture: a review.
Exp Mol Pathol 18:142-61, Apr 73 (45 ref.)
ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, metabolism/ CARCINOMA, EHRLICH TUMOR, metabolism/ CELL DIVISION/ CELL LINE/ *CELLS, CULTURED, metabolism/ CULTURE MEDIA/ *FATTY ACIDS, ESSENTIAL, metabolism/ FATTY ACIDS, ESSENTIAL, physiology/ FATTY ACIDS, UNSATURATED, metabolism/ FIBROBLASTS, metabolism/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION/ PROSTAGLANDINS, metabolism/ RATS/ REVIEW/ SARCOMA 180, CROCKER, metabolism

154. **Baird DT, Cockburn F, Galbraith A, et al:** Formation of progesterone and pregnenolone from (4- 14 C) cholesterol by the intact mid-term human foeto-placental unit perfused in vitro.
J Endocrinol 56:187-202, Feb 73
ADULT/ ARTERIES/ CARBON ISOTOPES/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FETAL HEART, physiology/ *FETUS, metabolism/ HEART RATE/ HUMAN/ HYSTERECTOMY/ IN VITRO/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNENOLONE, biosynthesis/ PREGNENOLONE, secretion/ *PROGESTERONE, biosynthesis/ PROGESTERONE, secretion/ SECRETORY RATE/ UTERUS, blood supply/ VEINS

155. **Baker BB, Wagner JA, Hemenway WG:** Succinylcholine-induced hyperkalemia and cardiac arrest.
Arch Otolaryngol 96:464-5, Nov 72
ADULT/ ANESTHESIA/ ATROPINE, administration & dosage/ BICARBONATES, administration & dosage/ BRAIN CONCUSSION, complications/ DEXAMETHASONE, administration & dosage/ FEMORAL FRACTURES, complications/ *HEART ARREST, chemically induced/ HEART MASSAGE/ HUMAN/ *HYPERKALEMIA, chemically induced/ MALE/ *MANDIBULAR FRACTURES, complications/ MANDIBULAR FRACTURES, surgery/ PNEUMOTHORAX, complications/ RIB FRACTURES, complications/ *SUCCINYLCHOLINE, adverse effects

156. **Baker HW, Burger HG, Hudson B, et al:** Partial hypogonadotrophic hypogonadism: studies of pituitary function and of the pituitary-testicular relationship in two patients.
Aust J Exp Biol Med Sci 50:861-72, Dec 72
ADOLESCENCE/ ADULT/ CRYPTORCHISM, complications/ DRUG RESISTANCE/ FLUOXYMESTERONE, therapeutic use/ FSH, blood/ GONADOTROPINS, CHORIONIC, therapeutic use/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ HYPOGONADISM, blood/ HYPOGONADISM, drug therapy/ HYPOGONADISM, pathology/ *HYPOGONADISM, physiopathology/ HYPOGONADISM, urine/ LH, blood/ MALE/ METABOLIC CLEARANCE RATE/ *PITUITARY GLAND, physiopathology/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SPERMATOGENESIS, drug effects/ TESTIS, pathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism

157. **Baker RH, Sakai RK:** Genetics of rose, an allele of the white locus in a mosquito.
J Hered 64:19-23, Jan-Feb 73
*ALLELES/ *CULEX/ *EYE/ GENES, RECESSIVE/ LINKAGE (GENETICS)/ *MUTATION/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES

158. **Baksheev MS, Stepankivskaia HK, Mikhailenko OT:** Dynamika nakoplennia pirovynohradnof i molochnof kyslot u krovi rodil' ta ploda, v tkanynakh matky i platsenty; stan kyslotno-luzhnof rivnovahi v krovi materi i ploda.
Pediatr Akush Ginekol 5:33-8, Oct 72 **(Ukr)**
*ACID-BASE EQUILIBRIUM/ ADULT/ BLOOD/ FEMALE/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ INFANT, NEWBORN/ *LACTATES, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ *PYRUVATES, metabolism/ *UMBILICAL CORD/ *UTERINE INERTIA, metabolism/ *UTERUS, metabolism

159. **Baksheev NS:** Rol' hormoniv, serotoninu i tsyklichnoho adenozyn-3 1 ,5 1 -monofosfatu v skorochenni m'iazovykh klityn matky.
Pediatr Akush Ginekol 6:33-5, 1972 **(Ukr)**
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ ESTROGENS, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ RABBITS/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology/ UTERINE INERTIA, drug therapy/ UTERUS, drug effects/ *UTERUS, physiology

160. **Baksheev NS, Mikhailenko ET, Kurskii MD:** Vplyv serotoninu i kal'tsiiu na intdnsynist' spozhyvannia i napruhy kysniu v m'iazi matky.
Pediatr Akush Ginekol 1:33-7, 1973 **(Ukr)**
ANIMAL EXPERIMENTS/ *CALCIUM CHLORIDE, pharmacodynamics/ FEMALE/ MITOCHONDRIA, MUSCLE, physiology/ *OXYGEN CONSUMPTION/ PREGNANCY/ RABBITS/ *SEROTONIN, pharmacodynamics/ *UTERUS, drug effects

161. **Baksheiev MS, Perfilov PO, Aliferova VF:** Funktsional'ni zminy sympatyko-adrenalovof systemy pry piznikh toksykozakh vahitnykh.
Pediatr Akush Ginekol 1:33-?, Jan-Feb 72 **(Ukr)**
ADOLESCENCE/ *ADRENAL MEDULLA, physiopathology/ ADULT/ CATECHOLAMINES, urine/ FEMALE/ HUMAN/ PREGNANCY/ *PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY TOXEMIAS, urine/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology

162. **Baksi SN:** Effects of thyroparathyroidectomy on implantation and early gestation in rats.
J Reprod Fertil 32:513-6, Mar 73
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ FEMALE/ GESTATIONAL AGE/ INJECTIONS, SUBCUTANEOUS/ *NIDATION/ NIDATION, drug effects/ ORGAN WEIGHT/ *PARATHYROID GLANDS, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ THYROCALCITONIN, pharmacodynamics/ *THYROIDECTOMY/ THYROXINE, pharmacodynamics

163. **Balaba TIa, Zatsepin ST, Furtseva LN, et al:** Znachenie opredeleniia ékskretsii oksiprolina s mochof pri giperparatireoze.
Probl Endokrinol (Mosk) 19:23-7, Jan-Feb 73 **(Rus)**
ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ ENGLISH

ABSTRACT/ FEMALE/ HUMAN/ *HYDROXYPROLINE, urine/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, enzymology/ *HYPERPARATHYROIDISM, urine/ MIDDLE AGE/ PHOSPHORUS, blood

164. **Bălan M, Stancu H, Negruzzi T:** Relaţia dintre hipertiroidizarea guşii şi procesul de urbanizare. Stud Cercet Endocrinol 24:221-4, 1973 **(Rum)**
*GOITER, complications/ HUMAN/ *HYPERTHYROIDISM, etiology/ IODINE, biosynthesis/ NERVOUS SYSTEM, physiopathology/ *URBANIZATION

165. **Baldwin RL, Reichl JR, Louis S, et al:** Effects of age, pregnancy, and lactation on rat, guinea pig, and cow adipose enzyme activities and cow adipose metabolism. J Dairy Sci 56:340-9, Mar 73
ACETATES, metabolism/ ADIPOSE TISSUE, analysis/ *ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON ISOTOPES/ *CATTLE, metabolism/ FEMALE/ FRUCTOSEDIPHOSPHATE ALDOLASE, analysis/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ *GUINEA PIGS, metabolism/ INSULIN, pharmacodynamics/ ISOCITRATE DEHYDROGENASE, analysis/ *LACTATION/ MALATE DEHYDROGENASE, analysis/ PALMITIC ACID, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *RATS, metabolism

166. **Ball JH, Johnson JW, Hampers CL, et al:** The many facets of secondary hyperparathyroidism. Arch Intern Med 131:746-9, May 73
ADULT/ *ANGINA PECTORIS, etiology/ ANGINA PECTORIS, therapy/ BLOOD VESSELS, radiography/ CALCIFICATION, PHYSIOLOGIC/ *CALCINOSIS, etiology/ CALCINOSIS, therapy/ FEMALE/ *GLOMERULONEPHRITIS, complications/ HAND, radiography/ HEART AUSCULTATION/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ *HYPERPARATHYROIDISM, SECONDARY, complications/ MALE/ *MUSCLE CONTRACTION/ PHONOCARDIOGRAPHY/ *PRURITUS, etiology/ THYROIDECTOMY

167. **Ball JN, Ingleton PM:** Adaptive variations in prolactin secretion in relation to external salinity in the teleost Poecilia latipinna. Gen Comp Endocrinol 20:312-25, Apr 73
*ADAPTATION, BIOLOGICAL/ ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FISHES, physiology/ FRESH WATER/ PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, secretion/ PROLACTIN, physiology/ *PROLACTIN, secretion/ SEAWATER/ SODIUM, blood/ SOMATOTROPIN, metabolism/ TIME FACTORS/ *WATER-ELECTROLYTE BALANCE

168. **Ballas SK:** Sideroblastic refractory anemia in a patient with systemic lupus erythematosus. Am J Med Sci 265:225-31, Mar 73
ADULT/ ANEMIA, SIDEROBLASTIC, blood/ *ANEMIA, SIDEROBLASTIC, complications/ ANEMIA, SIDEROBLASTIC, drug therapy/ ANEMIA, SIDEROBLASTIC, pathology/ ANEMIA, SIDEROBLASTIC, therapy/ BONE MARROW CELLS/ BONE MARROW EXAMINATION/ ERYTHROPOIESIS/ ERYTHROPOIETIN, blood/ EXCHANGE TRANSFUSION/ FOLIC ACID, therapeutic use/ HUMAN/ IRON, blood/ ISONIAZID, therapeutic use/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ MEGAKARYOCYTES/ PREDNISONE, therapeutic use/ PROTEINURIA, complications/ PYRIDOXINE, therapeutic use/ VITAMIN B 12, therapeutic use

169. **Ballou JE, Park JF, Morrow WG:** On the metabolic equivalence of ingested, injected and inhaled 239 Pu citrate. Health Phys 22:857-62, Jun 72
ADMINISTRATION, ORAL/ AEROSOLS/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CITRATES, administration & dosage/ CITRATES, metabolism/ DOGS/ FEMALE/ INJECTIONS, INTRAVENOUS/ INTESTINES, metabolism/ LEUKOCYTE COUNT/ LEUKOCYTES/ LIVER, metabolism/ LUNG, metabolism/ LYMPH NODES, metabolism/ LYMPHOCYTES/ NEUTROPHILS/ *PLUTONIUM, administration & dosage/ PLUTONIUM, blood/ PLUTONIUM, metabolism/ PLUTONIUM, urine/ RADIOMETRY/ TIME FACTORS/ TURBINATES, metabolism

170. **Balmukhanov SB, Ismailov I, Yefimov M, et al:** On mechanisms of radioresistance of tumors. Neoplasma 20:79-86, 1973
ANIMAL EXPERIMENTS/ CLONE CELLS, radiation effects/ CYTOGENETICS/ FEMALE/ MALE/ MITOSIS, radiation effects/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL/ *OVARIAN NEOPLASMS, radiotherapy/ *RADIATION EFFECTS/ RATS

171. **Balow JE, Rosenthal AS:** Glucocorticoid suppression of macrophage migration inhibitory factor. J Exp Med 137:1031-41, 1 Apr 73
ASCITIC FLUID, immunology/ CELL MIGRATION INHIBITION/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DIALYSIS/ ESTROGENS, pharmacodynamics/ *GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IMMUNIZATION/ LYMPHOCYTES, immunology/ *MACROPHAGES, immunology/ PROGESTERONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ TUBERCULIN TEST

172. **Balykina EM:** Vplyv hidrokortizonu na okysne dezaminuvannia biohennykh aminiv u deiakykh viddilakh mozku ta pechintsi krolykiv. Fiziol Zh 18:825-8, Nov-Dec 72 **(Ukr)**
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, physiology/ *BRAIN, enzymology/ DEAMINATION/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ MONOAMINE OXIDASE, physiology/ OXIDATION-REDUCTION/ RABBITS

173. **Banchieri FR:** Orientations thérapeutiques dans la cryptorchidie. J Urol Nephrol (Paris) 78:937-9, Oct-Nov 72 **(Fre)**
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, drug therapy/ CRYPTORCHISM, surgery/ *CRYPTORCHISM, therapy/ GONADOTROPINS, CHORIONIC, administration & dosage/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ SPERMATOGENESIS/ TESTIS, growth & development

174. **Bandhauer K:** Immunologische Fertilitätsstörungen des Mannes. Allerg Immunol (Leipz) 18:125-30, 1972 **(Ger)**
ANTIBODY FORMATION/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, immunology/ EPIDIDYMITIS, complications/ EPIDIDYMITIS, immunology/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ SEMEN, immunology/ SPERMATOZOA, immunology/ STERILITY, MALE, drug therapy/ STERILITY, MALE, etiology/ *STERILITY, MALE, immunology

175. **Banerjee MR, Mehta RG, Wagner JE:** DNA polymerase activity and DNA synthesis in preneoplastic nodule outgrowths of BALB-c and C3H mouse mammary gland. J Natl Cancer Inst 50:339-45, Feb 73
ALVEOLAR PROCESS, enzymology/ ALVEOLAR PROCESS, metabolism/ ANIMAL EXPERIMENTS/ *DNA, NEOPLASM, biosynthesis/ *DNA NUCLEOTIDYL-

TRANSFERASES, metabolism/ ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ MAMMAE, drug effects/ MAMMAE, enzymology/ MAMMARY CANCER VIRUS/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ OVARY, physiopathology/ PRECANCEROUS CONDITIONS/ PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use

176. **Banerjee RK, Chowdhury RR, Datta AG:** Effect of erythropoietin on the peroxidase and tyrosine-iodinase activity of mouse thyroid and submaxillary gland. Eur J Biochem 34:169-76, 2 Apr 73
ANIMAL EXPERIMENTS/ COBALT, pharmacodynamics/ COBALT ISOTOPES/ ENZYME INDUCTION, drug effects/ ERYTHROCYTES, metabolism/ ERYTHROPOIETIN, blood/ ERYTHROPOIETIN, isolation & purification/ *ERYTHROPOIETIN, physiology/ IODOTYROSINE/ IRON, metabolism/ IRON ISOTOPES/ KIDNEY, enzymology/ MALE/ MICE/ NEURAMINIDASE/ *PEROXIDASES, biosynthesis/ RATS/ SHEEP/ STARVATION/ SUBMANDIBULAR GLAND, enzymology/ THYROID GLAND, enzymology/ VITAMIN B 12, pharmacodynamics

177. **Banerjee S, Margulis L:** Mitotic arrest by melatonin. Exp Cell Res 78:314-8, Apr 73
ANIMAL EXPERIMENTS/ *CELL MOVEMENT, drug effects/ CILIATA/ COLCHICINE, pharmacodynamics/ DRUG SYNERGISM/ *MELATONIN, pharmacodynamics/ *MITOSIS, drug effects/ PLANTS, EDIBLE, cytology/ REGENERATION, drug effects/ VEGETABLES

178. **Banerji TK, Ghosh A:** Alteration in the blood sugar level following exogenously administered catechol hormones in the murrel, Ophicephalus punctatus. Endokrinologie 61:101-6, 1973
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CHROMAFFIN SYSTEM, metabolism/ EPINEPHRINE, metabolism/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *FISHES, physiology/ HYPERGLYCEMIA, chemically induced/ MALE/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ STARVATION/ TIME FACTORS

179. **Bános C, Takó J, Györgyi S, et al:** Thyroid antibodies and protein-binding of thyroxine in patients with and without thyrotoxicosis. Endokrinologie 61:32-6, 1973
ADULT/ AGED/ ANTIBODIES, analysis/ COMPLEMENT FIXATION TESTS/ FEMALE/ HEMAGGLUTINATION TESTS/ HUMAN/ *HYPERTHYROIDISM, immunology/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *THYROID GLAND, immunology/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN

180. **Baraboi VA, Duzhak VH:** Do pytannia pro dilu natrifhalatu na beta-adrenoretseptory hladkoĭ muskulatory. Fiziol Zh 18:685-7, Sep-Oct 72 **(Ukr)**
ANIMAL EXPERIMENTS/ FEMALE/ *GALLIC ACID, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ RATS/ *RECEPTORS, HORMONE, drug effects/ *SODIUM, pharmacodynamics/ *UTERUS, drug effects

181. **Baranczuk R, Greenwald GS:** Peripheral levels of estrogen in the cyclic hamster. Endocrinology 92:805-12, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CIRCADIAN RHYTHM/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ HAMSTERS/ HYPOPHYSECTOMY/ LH, pharmacodynamics/ OVARY, physiology/ PHENOBARBITAL, pharmacodynamics/ PITUITARY GLAND, physiology/ TRITIUM

182. **Baranczuk R, Greenwald GS:** Peripheral levels of estrogen in the PMS-primed cycling hamster. Endocrinology 92:1547-50, May 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, administration & dosage/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTRONE, blood/ FEMALE/ HAMSTERS/ *OVULATION, drug effects

183. **Barański S, Ostrowski K, Stodolnik-Barańska W:** Badania czynnościowe i morfologiczne gruczołu tarczowego u zwierząt naprom.enianych mikrofalami. Acta Physiol Pol 23:997-1009, Nov-Dec 72 **(Pol)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ IODINE ISOTOPES, metabolism/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ *MICROWAVES, adverse effects/ RABBITS/ RADIATION DOSAGE/ *THYROID GLAND/ THYROID GLAND, pathology/ THYROID GLAND, physiopathology/ TIME FACTORS

184. **Barasi S, Roberts MH:** The action of 5-hydroxytryptamine antagonists and precursors on bulbospinal facilitation of spinal reflexes. Brain Res 52:385-8, 30 Mar 73
ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CINNAMATES, pharmacodynamics/ ELECTRIC STIMULATION/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ *MOTOR NEURONS, drug effects/ RATS/ *REFLEX, MONOSYNAPTIC, drug effects/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ SPINAL CORD, drug effects/ *TRYPTOPHAN, pharmacodynamics

185. **Barb U, Vielberg H:** Iatrogenes diabetisches Koma. Ein Beitrag zu Nebenwirkungern der Zytostatikatheraple. Strahlentherapie 145:234-7, Feb 73 **(Ger)**
*ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, adverse effects/ *DIABETIC COMA, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ FLUOROURACIL, adverse effects/ HUMAN/ METHOTREXATE, adverse effects/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, adverse effects/ VINCRISTINE, adverse effects

186. **Barbary AS, Foad HA, Fatt-Hi A:** A new operation for bilateral abductor paralysis. J Laryngol Otol 87:387-95, Apr 73
ADOLESCENCE/ ADULT/ CARTILAGE, surgery/ FEMALE/ HUMAN/ METHODS/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ THYROIDECTOMY/ TRACHEOTOMY/ VOCAL CORD PARALYSIS, etiology/ *VOCAL CORD PARALYSIS, surgery

187. **Barbe J, Galy JP, Hurwic J:** Etude par spectrographie infarrouge des complexes entre différentes phénothiazines-2,10 substituées et le tétrathiocyanatocobaltate (II) d'ammonium. Ann Pharm Fr 30:665-72, Oct 72 **(Fre)**
*AMMONIUM COMPOUNDS/ CHEMISTRY, PHYSICAL/ *COBALT/ ENGLISH ABSTRACT/ *PHENOTHIAZINES/ SPECTROPHOTOMETRY, INFRARED/ *THIOCYANATES

188. **Barbier JM:** Myxoedème prétibial atypique. Bull Soc Fr Dermatol Syphiligr 79:200, 1972 **(Fre)**
CASE REPORT/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ *LEG/ *MYXEDEMA/ MYXEDEMA, pathology

189. **Barcellona WJ, Brinkley BR:** Effects of actinomycin D on spermatogenesis in the Chinese hamster. Biol Reprod 8:335-49, Apr 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *DACTINOMYCIN, pharmacodynamics/ HAMSTERS/ INJECTIONS/ MALE/ MICROSCOPY, ELECTRON/ *RNA,

antagonists & inhibitors/ SEMINAL VESICLES, anatomy & histology/ *SERTOLI CELLS, cytology/ *SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ TESTIS, metabolism/ TRITIUM/ URIDINE, metabolism

190. **Barden H, Barrett R:** The localization of catecholamine fluorescence to dog hypothalamic neuromelanin-bearing neurons.
J Histochem Cytochem 21:175-83, Feb 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ DOGS/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, cytology/ *MELANIN, analysis/ MICROSCOPY, FLUORESCENCE/ MICROSCOPY, ULTRAVIOLET/ *NEURONS, analysis

191. **Barjon P, Michel FB, Mion H, et al:** Recherche systématique d'une sécrétion inappropriée d'hormone antidiurétique au cours du cancer bronchique primitif.
Sem Hop Paris 48:3305-9, 8 Dec 72 (Fre)
*BRONCHIAL NEOPLASMS/ *CARCINOMA, BRONCHOGENIC, metabolism/ *CARCINOMA, EPIDERMOID, metabolism/ DIET/ ENGLISH ABSTRACT/ HORMONES, ECTOPIC, analysis/ HUMAN/ *HYPONATREMIA/ MALE/ NATRIURESIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ SODIUM, blood/ SODIUM, metabolism/ VASOPRESSIN, blood/ *VASOPRESSIN, secretion/ VASOPRESSIN, urine/ WATER-ELECTROLYTE BALANCE

192. **Barker HM, Isles TE, Fraser HM, et al:** Radioimmunoassay of luteinizing hormone releasing hormone. Nature 242:527-8, 20 Apr 73
ADULT/ FEMALE/ HUMAN/ IODINE ISOTOPES/ *LH/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PITUITARY HORMONE RELEASING FACTORS, blood/ *RADIOIMMUNOASSAY

193. **Barker M, Hoshino T, Gurcay O, et al:** Development of an animal brain tumor model and its response to therapy with 1,3-bis(2-chloroethyl)-1-nitrosourea.
Cancer Res 33:976-86, May 73
ANIMAL EXPERIMENTS/ *BRAIN NEOPLASMS, drug therapy/ BRAIN NEOPLASMS, pathology/ CELLS, CULTURED/ *DISEASE MODELS, ANIMAL/ *GLIOMA, drug therapy/ KINETICS/ MATHEMATICS/ METHYLPREDNISOLONE, therapeutic use/ MICE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NITROSOUREA COMPOUNDS, therapeutic use/ RATS/ THYMINE NUCLEOTIDES, metabolism/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM

194. **Barlet JP:** Effect of porcine, salmon and human calcitonin on urinary excretion of some electrolytes in sheep. J Endocrinol 55:153-61, Oct 72
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CALCIUM, urine/ DIURESIS, drug effects/ FORMIC ACIDS/ HUMAN/ KIDNEY, drug effects/ *MAGNESIUM, urine/ MALE/ *NATRIURESIS, drug effects/ PARATHYROID GLANDS, physiology/ *PHOSPHORUS, urine/ POTASSIUM, urine/ SALMON/ SHEEP/ SWINE/ *THYROCALCITONIN, pharmacodynamics/ THYROIDECTOMY/ THYROXINE

195. **Barlow PW:** X-chromosomes and human development.
Dev Med Child Neurol 15:205-8, Apr 73
CELL DIVISION/ CELL MEMBRANE/ CELLS, CULTURED/ CYTOGENETICS/ FEMALE/ HUMAN/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ SURFACE PROPERTIES

196. **Barner HB, Kaiser GC, Jellinek M, et al:** Effect of prostaglandin A I on several vascular beds in man.
Am Heart J 85:584-92, May 73
AORTOCORONARY BYPASS/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ BLOOD VESSEL PROSTHESIS/ *CAROTID ARTERIES, drug effects/ CAROTID ARTERY DISEASES, surgery/ CAROTID ARTERY, INTERNAL, drug effects/ COMPARATIVE STUDY/ *CORONARY CIRCULATION, drug effects/ *FEMORAL ARTERY, drug effects/ FEMORAL ARTERY, surgery/ HEART RATE, drug effects/ HUMAN/ PAPAVERINE, pharmacodynamics/ *POPLITEAL ARTERY, drug effects/ POPLITEAL ARTERY, surgery/ *PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ VASCULAR RESISTANCE, drug effects

197. **Barnes D, Altman J:** Effects of two levels of gestational-lactational undernutrition on the postweaning growth of the rat cerebellum.
Exp Neurol 38:420-8, Mar 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CEREBELLAR CORTEX, growth & development/ CEREBELLUM, cytology/ *CEREBELLUM, growth & development/ *LACTATION/ *NUTRITION DISORDERS/ ORGAN WEIGHT/ PREGNANCY/ PREGNANCY, ANIMAL/ *PREGNANCY COMPLICATIONS/ PURKINJE CELLS/ RATS

198. **Barnett DB, Greenfield AA, Howlett PJ, et al:** Discriminant value of thyroid function tests.
Br Med J 2:144-7, 21 Apr 73
DIAGNOSIS, DIFFERENTIAL/ FACTOR ANALYSIS, STATISTICAL/ HUMAN/ HYPERTHYROIDISM, classification/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES/ PROTEIN-BOUND IODINE TEST/ QUESTIONNAIRES/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE, metabolism

199. **Baron JH:** Glycyrrhizophilia. Lancet I:383, 17 Feb 73
*ADDISON'S DISEASE, therapy/ *GLYCYRRHIZA/ HUMAN/ *SELF MEDICATION

200. **Barr AB:** Timing of spermatogenesis in four nonhuman primate species. Fertil Steril 24:381-9, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BABOONS, physiology/ BIOPSY/ CELL COUNT/ KINETICS/ MACACA, physiology/ MALE/ *MONKEYS, physiology/ *SPERMATOGENESIS/ SPERMATOZOA/ TESTIS, cytology/ THYMIDINE, diagnostic use/ TIME FACTORS/ TRITIUM

201. **Barranco SC, Novak JK, Humphrey RM:** Response of mammalian cells following treatment with bleomycin and 1,3-bis(2-chloroethyl)-1-nitrosourea during plateau phase. Cancer Res 33:691-4, Apr 73
*ANTIBIOTICS, ANTINEOPLASTIC, pharmacodynamics/ BLEOMYCIN, pharmacodynamics/ *CARMUSTINE, pharmacodynamics/ *CELL DIVISION, drug effects/ CELL LINE/ CELL SURVIVAL, drug effects/ HAMSTERS/ OVARY

202. **Barrio Rendo ME:** Réponse érythroïdique à l'érythropoiétine chez le rat thyroprive.
C R Soc Biol (Paris) 166:1215, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ERYTHROPOIESIS drug effects/ *ERYTHROPOIETIN, pharmacodynamics/ IRON, metabolism/ IRON ISOTOPES/ RABBITS/ RATS/ *THYROIDECTOMY

203. **Barry RG, O'Leary TR:** Transient neonatal hyperglycaemia in the smaller of twins.
J Ir Med Assoc 66:155-6, 24 Mar 73
*DISEASES IN TWINS/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPERGLYCEMIA/ HYPERGLYCEMIA, etiology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MALE/ PLACENTA DISORDERS, complications

204. **Barsel' VA, Volin EM, Parfenova LK, et al:** Gormonoterapii adenokartsinomy pochki.
Urol Nefrol (Mosk) 38:62-3, Jan-Feb 73 (Rus)
*ADENOCARCINOMA, drug therapy/ AGED/ CAPROATES, therapeutic use/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, drug therapy/ LUNG NEOPLASMS, drug therapy/

NEOPLASM METASTASIS/ NEPHRECTOMY/ *PROGESTERONE, therapeutic use

205. **Bartal A:** [Craniopharyngioma]
Harefuah 84:345-6, 15 Mar 73 (Heb)
ADOLESCENCE/ CHILD/ *CRANIOPHARYNGIOMA/ HUMAN

206. **Bartholomew BA:** Synovial fluid glycosidase activity.
Scand J Rheumatol 1:69-74, 1972
ADRENAL CORTEX HORMONES, therapeutic use/ ARTHRITIS, RHEUMATOID, enzymology/ DIAGNOSIS, DIFFERENTIAL/ *GALACTOSIDASE, metabolism/ *GLUCOSAMINIDASE, metabolism/ *GLUCURONIDASE, metabolism/ HUMAN/ INFLAMMATION/ JOINT DISEASES, diagnosis/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, enzymology/ LEUKOCYTE COUNT/ OSTEOARTHRITIS, enzymology/ *SYNOVIAL FLUID, enzymology

207. **Bartke A, Musto N, Caldwell BV, et al:** Effects of a cholesterol esterase inhibitor and of prostaglandin F2alpha on testis cholesterol and on plasma testosterone in mice. Prostaglandins 3:97-104, Jan 73
ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, pharmacodynamics/ BODY WEIGHT/ CHOLESTEROL/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY/ ESTERASES, antagonists & inhibitors/ FLUORINE, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SEMINAL VESICLES, drug effects/ SPECIAL LIST REPRODUCTION/ SULFONES, pharmacodynamics/ TESTIS, analysis/ TESTIS, anatomy & histology/ TESTIS, drug effects/ TESTOSTERONE, blood

208. **Bartke A, Shire JG:** Differences between mouse strains in testicular cholesterol levels and androgen target organs. J Endocrinol 55:173-84, Oct 72
ANIMAL EXPERIMENTS/ *CHOLESTEROL, analysis/ ESTERS, analysis/ FEMALE/ FSH, pharmacodynamics/ GENOTYPE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYBRIDIZATION/ *KIDNEY, anatomy & histology/ LH, pharmacodynamics/ MALE/ MICE/ MICE, INBRED AKR/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *MICE, INBRED STRAINS/ ORGAN WEIGHT/ PITUITARY GLAND, transplantation/ PREGNENOLONE, pharmacodynamics/ *SEMINAL VESICLES, anatomy & histology/ SEMINAL VESICLES, drug effects/ SEX FACTORS/ SPERMATOGENESIS, drug effects/ *SUBMANDIBULAR GLAND, anatomy & histology/ *TESTIS, analysis/ TESTIS, anatomy & histology/ TESTIS, drug effects/ TESTOSTERONE, pharmacodynamics

209. **Barton DH, Hesse RH, Pechet MM, et al:** A convenient synthesis of 1 -hydroxy-vitamin D 3
J Am Chem Soc 95:2748-9, 18 Apr 73
*CHOLECALCIFEROL, chem synthesis/ HYDROXYLATION/ HYDROXYSTEROIDS, chem synthesis/ METHODS/ OPTICAL ROTATION/ STEREOISOMERS

210. **Barton EM:** Prognosis of patients with arthritis.
Ind Med Surg 42:23-4, Apr 73
AGED/ ANTI-INFLAMMATORY AGENTS, adverse effects/ *ARTHRITIS, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ CORTISONE, therapeutic use/ FEMALE/ FINGER JOINT/ GOLD, therapeutic use/ GOUT, therapy/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, diagnosis/ OSTEOARTHRITIS, drug therapy/ OSTEOARTHRITIS, surgery/ PROGNOSIS/ REST

211. **Bartosik D, Szarowski DH:** Progravid phase of the rat reproductive cycle: day to day changes in peripheral plasma progestin concentrations.
Endocrinology 92:949-52, Mar 73
BINDING, COMPETITIVE/ CHROMATOGRAPHY/ KETONES, blood/ *PREGNANES, blood/ *PROGESTERONE, blood/ *PSEUDOPREGNANCY/ TIME FACTORS

212. **Bartsch FK:** Fetale Erythrozyten im mütterlichen Blut und Immunprophylaxe der RH-Immunisierung. Klinische und experimentelle Studie.
Acta Obstet Gynecol Scand [Suppl] 20:1-128, 1972 (Ger)
ABO FACTORS/ ABORTION, blood/ ADULT/ AMNIOCENTESIS/ *ANTIBODY FORMATION/ CESAREAN SECTION/ ENGLISH ABSTRACT/ *ERYTHROBLASTOSIS, FETAL/ ERYTHROBLASTOSIS, FETAL, prevention & control/ ERYTHROCYTE COUNT/ *ERYTHROCYTES/ FEMALE/ FETAL HEMOGLOBIN, analysis/ FETOMATERNAL TRANSFUSION/ GESTATIONAL AGE/ HUMAN/ LABOR COMPLICATIONS/ *MATERNAL-FETAL EXCHANGE/ METHODS/ PARITY/ PLACENTA DISORDERS, blood/ PREGNANCY/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS, blood/ *RH FACTORS

213. **Bartsocas CS, Pantelakis SN:** Human growth hormone therapy in hypopituitarism due to tuberculous meningitis. Acta Paediatr Scand 62:304-6, May 73
ADOLESCENCE/ AMINOSALICYLIC ACID, therapeutic use/ BLOOD SUGAR/ BODY HEIGHT/ CALCINOSIS, etiology/ CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS/ FEMALE/ HEMIPLEGIA/ HUMAN/ *HYPOPITUITARISM, drug therapy/ HYPOPITUITARISM, etiology/ ISONIAZID, therapeutic use/ OBESITY, etiology/ PREDNISONE, therapeutic use/ PYRAZINAMIDE, therapeutic use/ SOMATOTROPIN, blood/ *SOMATOTROPIN, therapeutic use/ STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, MENINGEAL, complications/ TUBERCULOSIS, MENINGEAL, drug therapy/ VASOPRESSIN, therapeutic use

214. **Barylak A, Januś S:** Zmiany radiologiczne w układzie kostnym u dzieci z zespołem de Lange.
Pol Przegl Radiol 36:707-11, Nov-Dec 72 (Pol)
*BONE AND BONES, radiography/ CHILD, PRESCHOOL/ *DE LANGE'S SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MICROCEPHALY, radiography

215. **Bass JJ, Bell JB, Lacy D:** Side-chain cleavage of (26- 14 C) cholesterol by rat testicular tissues and their subcellular fractions. J Endocrinol 56:321-2, Feb 73
ANIMAL EXPERIMENTS/ CAPROATES, biosynthesis/ CARBON ISOTOPES/ *CHOLESTEROL, metabolism/ IN VITRO/ MALE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ RATS/ SUBCELLULAR FRACTIONS, metabolism/ *TESTIS, metabolism

216. **Bass JW:** Corticosteroids in croup.
JAMA 221:1164, 4 Sep 72
EVALUATION STUDIES/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *LARYNGITIS, drug therapy

217. **Bassoe HH:** Hypofysen og anorexia nervosa.
Tidsskr Nor Laegeforen 92:2214-20, 20 Nov 72 (Nor)
ADRENAL GLANDS, physiopathology/ ADULT/ AMENORRHEA/ *ANOREXIA NERVOSA, physiopathology/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHALAMUS, physiopathology/ 17-KETOSTEROIDS, metabolism/ OVARY, physiopathology/ PITUITARY GLAND, physiopathology/ PROSPECTIVE STUDIES/ THYROID GLAND, physiopathology

218. **Bastomsky CH, Papapetrou PD:** The effect of methylcholanthrene on biliary thyroxine excretion in normal and Gunn rats. J Endocrinol 56:267-73, Feb 73
ANIMAL EXPERIMENTS/ *BILE, metabolism/ BILIARY FISTULA/ BLOOD PROTEINS/ COMMON BILE DUCT, surgery/ DEPRESSION, CHEMICAL/ FEMALE/ GLUCURONATES,

metabolism/ HALF-LIFE/ IODINE, blood/ IODINE, metabolism/ IODINE ISOTOPES/ JAUNDICE, familial & genetic/ *JAUNDICE, metabolism/ MALE/ *METHYLCHOLANTHRENE, pharmacodynamics/ MICE/ PROTEIN BINDING/ RATS/ RATS, INBRED STRAINS/ STIMULATION, CHEMICAL/ THYROID GLAND, metabolism/ THYROXINE, blood/ *THYROXINE, metabolism

219. **Basu J:** Antifertility effect of three new clomiphene analogues on animals. Jap J Exp Med 43:9-15, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, pharmacodynamics/ COITUS/ *CONTRACEPTIVES, ORAL/ FEMALE/ *FERTILITY, drug effects/ MALE/ MICE/ RABBITS/ RATS/ SEX FACTORS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects/ VAGINA, cytology/ VAGINA, drug effects

220. **Bates GW:** Diagnostic applications of ultrasound in obstetrics: a review.
J Tenn Med Assoc 66:329-32, Apr 73 (20 ref.)
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CEPHALOMETRY/ COMPARATIVE STUDY/ FEMALE/ FETAL DEATH, diagnosis/ FETAL DISEASES, diagnosis/ FETAL HEART, growth & development/ FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ INFANT, PREMATURE/ INTRAUTERINE DEVICES/ PLACENTA, growth & development/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY, ECTOPIC, diagnosis/ RADIOISOTOPE SCANNING/ RATS/ REVIEW/ ULTRASONICS, diagnostic use

221. **Batra SC:** Effect of some estrogens and progesterone on calcium uptake and calcium release by myometrial mitochondria. Biochem Pharmacol 22:803-9, 1 Apr 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CULTURE MEDIA/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ MITOCHONDRIA, MUSCLE, drug effects/ MITOCHONDRIA, MUSCLE, enzymology/ *MITOCHONDRIA, MUSCLE, metabolism/ *PROGESTERONE, pharmacodynamics/ TIME FACTORS/ UTERUS, cytology/ UTERUS, drug effects/ UTERUS, enzymology/ *UTERUS, metabolism

222. **Batsakis JG:** Endocrine causes of hypertension.
J Ky Med Assoc 71:159-68 passim, Mar 73 (31 ref.)
*ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ *ADRENAL GLAND NEOPLASMS/ ALDOSTERONE, secretion/ ANGIOTENSIN, blood/ CATECHOLAMINES, metabolism/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, blood/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, blood/ HYPERTENSION, diagnosis/ *HYPERTENSION, etiology/ HYPERTENSION, metabolism/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, physiopathology/ KIDNEY, physiopathology/ *PHEOCHROMOCYTOMA, complications/ PITUITARY-ADRENAL FUNCTION TESTS/ RENIN, blood/ REVIEW

223. **Batzri S, Selinger Z, Schramm M, et al:** Potassium release mediated by the epinephrine -receptor in rat parotid slices. Properties and relation to enzyme secretion. J Biol Chem 248:361-8, 10 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ *AMYLASE, secretion/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CELL MEMBRANE, drug effects/ CYTOPLASMIC GRANULES, drug effects/ EPINEPHRINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MICROSCOPY, ELECTRON/ PAROTID GLAND, cytology/ PAROTID GLAND, drug effects/ PAROTID GLAND, enzymology/ PAROTID GLAND, metabolism/ *PAROTID GLAND, secretion/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *POTASSIUM, metabolism/ POTENTIOMETRY/ RATS/ *RECEPTORS, ADRENERGIC/ SALIVA, secretion/ TYRAMINE, pharmacodynamics

224. **Batzri S, Selinger Z:** Enzyme secretion mediated by the epinephrine -receptor in rat parotid slices. Factors governing efficiency of the process.
J Biol Chem 248:356-60, 10 Jan 73
ADENINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATE, metabolism/ *AMYLASE, secretion/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CALCIUM, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ INOSINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ OUABAIN, pharmacodynamics/ PAROTID GLAND, drug effects/ PAROTID GLAND, enzymology/ PAROTID GLAND, metabolism/ *PAROTID GLAND, secretion/ POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC

225. **Baum D, Guthrie R, Brunzell JD, et al:** Triglyceride abnormality in infantile hypothyroidism.
Am J Dis Child 125:612-3, Apr 73
CHOLESTEROL, blood/ CHYLOMICRONS, blood/ CRETINISM, drug therapy/ *CRETINISM, metabolism/ HUMAN/ HYPERLIPEMIA, complications/ *HYPOTHYROIDISM, metabolism/ INFANT/ IODINE ISOTOPES/ LIPOPROTEIN LIPASE, blood/ LIPOPROTEINS, blood/ MALE/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, administration & dosage/ THYROXINE, blood/ TRIGLYCERIDES, blood/ *TRIGLYCERIDES, metabolism

226. **Baum GL:** Differential diagnosis of chronic respiratory insufficiency.
Med Clin North Am 57:623-35, May 73 (55 ref.)
AIRWAY OBSTRUCTION, complications/ ALKALOSIS, complications/ ALPHA GLOBULIN/ AMYOTROPHIC LATERAL SCLEROSIS, complications/ BRONCHITIS, complications/ HEAD INJURIES, complications/ HEART FAILURE, CONGESTIVE, complications/ HEMOTHORAX, complications/ HUMAN/ METABOLISM, INBORN ERRORS, complications/ MUSCULAR DYSTROPHY, complications/ MYASTHENIA GRAVIS, complications/ MYXEDEMA, complications/ OBESITY, complications/ PLEURAL DISEASES, complications/ POLIOMYELITIS, complications/ POLYRADICULITIS, complications/ PULMONARY EMBOLISM, complications/ PULMONARY EMPHYSEMA, complications/ *RESPIRATORY INSUFFICIENCY, etiology/ REVIEW/ SMOKING, complications/ TRANQUILIZING AGENTS, adverse effects/ TRYPSIN INHIBITORS, blood

227. **Baum MJ:** Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or ambulation.
Physiol Behav 10:137-40, Jan 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES/ COITUS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ LOCOMOTION, drug effects/ MALE/ MOTOR

ACTIVITY, drug effects/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics

228. **Bauman KE, Varavej P:** Reason for contracepting and choice between IUD and pill: implications for the difference in continuation rates.
Soc Biol 19:292-6, Sep 72
ATTITUDE/ *CONTRACEPTION/ *CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ *MOTIVATION/ THAILAND

229. **Baumann N, Bourre JM, Jacque C, et al:** Lipid composition of Quaking mouse myelin: comparison with normal mouse myelin in the adult and during development. J Neurochem 20:753-9, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CEREBROSIDES, analysis/ CEREBROSIDES, isolation & purification/ CHROMATOGRAPHY, THIN LAYER/ DEMYELINATION, familial & genetic/ *DEMYELINATION, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FATTY ACIDS, analysis/ *LIPIDS, analysis/ METHYLATION/ MICE/ MICROSCOPY, ELECTRON/ MUTATION/ *MYELIN SHEATH, analysis/ MYELIN SHEATH, metabolism/ PHOSPHATASES, metabolism/ SODIUM DODECYL SULFATE

230. **Baumann R:** Die technische Verarbeitung von Gewebsproben bei Untersuchungen der Grenzschicht Knochen-Metall bei Knochenschrauben.
Acta Anat (Basel) 84:562-71, 1973 (Ger)
ACRYLIC RESINS/ ANIMAL EXPERIMENTS/ *BIOCOMPATIBLE MATERIALS/ *BONE AND BONES/ BONE SCREWS/ DOGS/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HISTOLOGICAL TECHNICS/ METHODS/ MICRORADIOGRAPHY/ MICROSCOPY, FLUORESCENCE/ *ORTHOPEDIC FIXATION DEVICES/ *STAINS AND STAINING/ *WOUND HEALING

231. **Baumgarten HG, Lachenmayer L, Björklund A, et al:** Long-term recovery of serotonin concentrations in the rat CNS following 5,6-dihydroxytryptamine.
Life Sci [I] 12:357-64, 15 Apr 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ MICROSCOPY, FLUORESCENCE/ PONS, metabolism/ RATS/ RATS, INBRED STRAINS/ *SEROTONIN, metabolism/ *SPINAL CORD, metabolism/ TIME FACTORS/ TRYPTAMINES, pharmacodynamics

232. **Beamer V, Shapiro AP:** Comparison of pressor and adrenergic responses derived from direct and indirect methods of cardiovascular testing.
Psychosom Med 35:112-20, Mar-Apr 73
ADOLESCENCE/ ADULT/ *ANXIETY/ BLOOD PRESSURE/ CARDIAC OUTPUT/ COMPARATIVE STUDY/ CREATININE, urine/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ HEART CATHETERIZATION/ *HEART FUNCTION TESTS/ HEART RATE/ *HEMODYNAMICS/ HUMAN/ HYDROCORTISONE, blood/ INDICATOR DILUTION TECHNICS/ MALE/ METHODS/ NOREPINEPHRINE, urine/ PSYCHOPHYSIOLOGY/ PULSE/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ VASCULAR RESISTANCE

233. **Beattie CW, Schwartz NB:** Blockade of the proestrous LH surge in cyclic rats by barbiturate administration on diestrus. Proc Soc Exp Biol Med 142:933-5, Mar 73
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ *LH, blood/ *OVULATION, drug effects/ PENTOBARBITAL, administration & dosage/ *PENTOBARBITAL, pharmacodynamics/ RATS/ TIME FACTORS

234. **Beatty WW:** Effects of gonadectomy on sex differences in DRL behavior. Physiol Behav 10:177-8, Jan 73
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *CASTRATION/ *CONDITIONING, OPERANT/ FEEDING BEHAVIOR/ FEMALE/ HOUSING, ANIMAL/ MALE/ OVARY, secretion/ RATS/ *REINFORCEMENT SCHEDULE/ *REWARD/ SEX FACTORS/ TESTIS, secretion

235. **Beaufils F, Lejeune C:** Paralysie des dilatateurs de la glotte. Problèmes diagnostique et thérapeutique. A propos de trois cas.
Ann Otolaryngol Chir Cervicofac 89:538-43, Sep 72 (Fre)
ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ DYSPNEA, etiology/ FEMALE/ *GLOTTIS/ GLOTTIS, surgery/ HUMAN/ LARYNGEAL CARTILAGES/ LARYNGEAL DISEASES, diagnosis/ LARYNGEAL NERVES/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ POSTOPERATIVE COMPLICATIONS/ THYROID NEOPLASMS, complications/ THYROIDECTOMY/ *VOCAL CORD PARALYSIS, diagnosis/ VOCAL CORD PARALYSIS, surgery

236. **Beck LH, Goldberg M:** Effects of acetazolamide and parathyroidectomy on renal transport of sodium, calcium, and phosphate.
Am J Physiol 224:1136-42, May 73
*ACETAZOLAMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ DOGS/ FEMALE/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, PROXIMAL, drug effects/ MALE/ *NATRIURESIS, drug effects/ *PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ PUNCTURES/ SODIUM, blood/ ULTRAFILTRATION

237. **Beck TW, Reeves JJ:** Serum luteinizing hormone (LH) in ewes treated with various dosages of 17-estradiol at three stages of the anestrous season.
J Anim Sci 36:566-70, Mar 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ SEASONS/ *SHEEP, physiology

238. **Beck WT, Bellantone RA, Canellakis ES:** Puromycin stimulation of rat liver ornithine decarboxylase activity. Nature 241:275-7, 26 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ *CARBOXY-LYASES, metabolism/ DRUG SYNERGISM/ ENZYME INDUCTION/ KINETICS/ LEUCINE, metabolism/ *LIVER, enzymology/ ORNITHINE/ *PUROMYCIN, pharmacodynamics/ RATS

239. **Becker FO, Eisenstein R, Schwartz TB, et al:** Needle bone biopsy in primary hyperparathyroidism.
Arch Intern Med 131:650-6, May 73
ADENOMA, diagnosis/ ADULT/ AGED/ *BIOPSY, NEEDLE/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ *ILIUM, pathology/ ILIUM, radiography/ ILIUM, surgery/ MALE/ MIDDLE AGE/ OSTEOBLASTS

240. **Beckerhoff R, Siegenthaler W:** Ovulationshemmer und Hypertonie.
Schweiz Med Wochenschr 103:743-7, 19 May 73 (Ger)
ALDOSTERONE, blood/ ANGIOTENSIN, blood/ BLOOD PRESSURE, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/

ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ RENIN, blood

241. **Beckers C, Cornette C, Thalasso M:** Evaluation of serum thyroxine by radioimmunoassay.
J Nucl Med 14:317-20, Jun 73
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ *THYROXINE, blood

242. **Bedford CA, Harrison FA, Heap RB:** The metabolic clearance rate and production rate of progesterone and the conversion of progesterone to 20 -bydroxypregn-4-en-3-one in tbe sbeep.
J Endocrinol 55:105-18, Oct 72
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ CHROMATOGRAPHY, THIN LAYER/ ESTRUS/ FEMALE/ HEAD, metabolism/ LACTATION/ METABOLIC CLEARANCE RATE/ PREGNANCY/ *PREGNANES, biosyntbesis/ *PROGESTATIONAL HORMONES, biosyntbesis/ PROGESTERONE, biosynthesis/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ RADIOLIGAND ASSAY/ *SHEEP, metabolism/ STEROLS, biosynthesis/ TRITIUM

243. **Bedford JM, Bent MJ, Calvin H:** Variations in the structural character and stability of tbe nuclear chromatin in morphologically normal buman spermatozoa. J Reprod Fertil 33:19-29, Apr 73
CELL MOVEMENT/ CELL NUCLEUS/ *CHROMATIN/ DITHIOTHREITOL/ EJACULATION/ EMBRYO/ EPIDIDYMIS/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ SODIUM DODECYL SULFATE/ *SPERMATOZOA, cytology/ TESTIS

244. **Beeman RW, Matsumura F:** Chlordimeform: a pesticide acting upon amine regulatory mechanisms.
Nature 242:273-4, 23 Mar 73
*AMIDINES, pharmacodynamics/ AMIDINES, toxicity/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ *INSECTICIDES, pbarmacodynamics/ INSECTICIDES, toxicity/ LIVER, enzymology/ MALE/ MICE/ *MONOAMINE OXIDASE INHIBITORS, pbarmacodynamics/ NOREPINEPHRINE, analysis/ RATS/ SEROTONIN, analysis/ TOLUENE, pharmacodynamics/ TOLUENE, toxicity

245. **Beesley WN:** The activity of sulpbonamides and some other cbemicals against mosquito larvae.
Ann Trop Med Parasitol 66:509-13, Dec 72
ADENINE, biosynthesis/ ADENOSINE TRIPHOSPHATE, biosyntbesis/ AEDES/ AEDES, metabolism/ ANIMAL EXPERIMENTS/ ANOPHELES/ ANOPHELES, metabolism/ FOLIC ACID, biosyntbesis/ LARVA/ *MOSQUITOES/ MUSCLES, metabolism/ *PHENOTHIAZINES/ QUINACRINE/ SULFACETAMIDE/ SULFAMETHAZINE/ *SULFONAMIDES/ *THIOSEMICARBAZONES/ *THIOUREA

246. **Béguin F, Bygdeman M, Toppozada M, et al:** Tbe response of the midpregnant buman uterus to vaginal administration of prostaglandin suppositories.
Prostaglandins 1:397-405, May 72
ABORTION, INDUCED/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, tberapeutic use/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ SUPPOSITORIES/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology/ VAGINA

247. **Behn C, Brecht JP, Lübbemeier A, et al:** Arterial pressure elevation in response to inhibitors of protein synthesis. Pfluegers Arcb 339:85-95, 21 Mar 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *CYCLOHEXIMIDE, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ HEART RATE, drug effects/ MAGNESIUM, pharmacodynamics/ MAGNESIUM DEFICIENCY/ MALE/ PROTEINS, biosyntbesis/ *PUROMYCIN, pharmacodynamics/ RATS/ RNA, biosynthesis/ TIME FACTORS/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC/ VASCULAR RESISTANCE, drug effects

248. **Behrman HR, Orczyk GP, Greep RO:** Effect of synthetic gonadotrophin-releasing bormone (Gn-RH) on ovulation blockade by aspirin and indomethacin.
Prostaglandins 1:245-58, Apr 72
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG INTERACTIONS/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ INDOMETHACIN, pharmacodynamics/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVULATION, drug effects/ OVUM, drug effects/ PHENOBARBITAL, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, secretion

249. **Beischer NA, Ratten GJ, Fortune DW, et al:** Obstetric complications wben the fetus has Potter's syndrome. II. Fetoplacental function.
Am J Obstet Gynecol 116:62-5, 1 May 73
ADULT/ *ESTRIOL, urine/ *FACIAL EXPRESSION/ FEMALE/ HUMAN/ *KIDNEY, abnormalities/ *NOSE DEFORMITIES/ *PREGNANCY COMPLICATIONS, urine/ SYNDROME

250. **Beit I:** [Ovarian vein syndrome]
Harefuab 84:343-4, 15 Mar 73 (Heb)
FEMALE/ HUMAN/ *OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, surgery/ *OVARY, blood supply/ PREGNANCY/ PREGNANCY COMPLICATIONS

251. **Beitins IZ, Bayard F, Ances IG, et al:** The metabolic clearance rate, blood production, interconversion and transplacental passage of cortisol and cortisone in pregnancy near term. Pediatr Res 7:509-19, May 73
ABORTION, THERAPEUTIC/ ADULT/ CARBON ISOTOPES/ CESAREAN SECTION/ CORTISONE, blood/ *CORTISONE, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ *HEMATOPOIESIS, drug effects/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, pharmacodynamics/ *MATERNAL-FETAL EXCHANGE, drug effects/ *METABOLIC CLEARANCE RATE, drug effects/ NORETHYNODREL/ PREGNANCY

252. **Beitins IZ, Bayard F, Kowarski A, et al:** The effect of ACTH administration on plasma testosterone, dihydrotestosterone and serum LH concentrations in normal men. Steroids 21:553-64, Apr 73
CHROMATOGRAPHY, PAPER/ CORTICOTROPIN, metabolism/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ LH, metabolism/ MALE/ *STANOLONE, blood/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism

253. **Beitner R, Zwinaor:** The effect of adenine nucleotides and dehydroepiandrosterone on tbe isoenzymes of NADP + -and NAD + -glucose-6-pbosphate dehydrogenase and 6-pbosphogluconate dehydrogenase from rat adipose tissue.
Biochim Biophys Acta 286:437-40, 29 Dec 72
*ADENINE NUCLEOTIDES, pharmacodynamics/

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ *GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ *ISOENZYMES, antagonists & inhibitors/ MALE/ *PHOSPHOGLUCONATE DEHYDROGENASE, antagonists & inhibitors/ RATS

254. **Bekhtereva EI:** K voprosu o trudosposobnosti pri gipertireoidnom zobe. Klin Khir 9:68-70, Sep 72 **(Rus)**
AURICULAR FIBRILLATION, complications/ DISABILITY EVALUATION/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ *GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, surgery/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ MIDDLE AGE

255. **Bélanger LF, Dimond MT, Copp DH:** Histological observations on bone and cartilage of growing turtles treated with calcitonin.
Gen Comp Endocrinol 20:297-304, Apr 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, drug effects/ BONE RESORPTION, drug effects/ *CARTILAGE, drug effects/ MICRORADIOGRAPHY/ PARATHYROID GLANDS/ *THYROCALCITONIN, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics/ *TURTLES

256. **Beleslin DB, Myers RD:** Spontaneous release and during metrazol convulsions of 5-hydroxytryptamine in some brain regions of conscious cat.
Experientia 29:182-3, 15 Feb 73
AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CATS/ CAUDATE NUCLEUS, metabolism/ CONVULSIONS, chemically induced/ *CONVULSIONS, metabolism/ FEMALE/ GENICULATE BODIES, metabolism/ HIPPOCAMPUS, metabolism/ MALE/ PENTYLENETETRAZOLE/ PENTYLENETETRAZOLE, administration & dosage/ PERFUSION/ RETICULAR FORMATION, metabolism/ *SEROTONIN, metabolism/ SUPERIOR COLLICULUS, metabolism

257. **Beliakov IuA, Berzina SV:**
Kliniko-rentgenologicheskoe issledovanie pri sindrome shereshevskogo-ternera.
Stomatologiia (Mosk) 52:69-70, Mar-Apr 73 **(Rus)**
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *ORAL MANIFESTATIONS/ TOOTH, growth & development/ TOOTH ROOT, abnormalities/ *TURNER'S SYNDROME

258. **Belič I, Ghera E, Pertot E, et al:** D-norsteroids. II. Microbial hydroxylation of a D-norsteroid ketal.
Steroids Lipids Res 3:201-6, 1972
CHROMATOGRAPHY, THIN LAYER/ CYCLIZATION/ HYDROXYLATION/ KETOSTEROIDS, chem synthesis/ KETOSTEROIDS, metabolism/ MASS SPECTRUM ANALYSIS/ NORSTEROIDS, chem synthesis/ *NORSTEROIDS, metabolism/ NUCLEAR MAGNETIC RESONANCE/ PREGNENES, chem synthesis/ *PREGNENES, metabolism/ *RHIZOPUS, metabolism/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEREOISOMERS

259. **Bellabarba D, Tremblay R:** Effect of sodium ethylmercurithiosalicylate (thimerosal) on serum binding of thyroid hormones.
Can J Physiol Pharmacol 51:156-9, Feb 73
ALBUMINS, metabolism/ BARBITURATES, pharmacodynamics/ BENZOATES, pharmacodynamics/ BLOOD PROTEINS, metabolism/ ETHYL MERCURY COMPOUNDS, pharmacodynamics/ HUMAN/ IN VITRO/ IODINE ISOTOPES/ *MERCURY, pharmacodynamics/ *ORGANOMETALLIC COMPOUNDS, pharmacodynamics/ *PROTEIN BINDING, drug effects/ SULFIDES, pharmacodynamics/ *THYROID HORMONES, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

260. **Beller FK, Schoendorf T:** Augmentation of endotoxin-induced fibrin deposits by pregnancy and estrogen-progesterone treatment.
Gynecol Invest 3:176-83, 1972
ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ DEPRESSION, CHEMICAL/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, pharmacodynamics/ DISSEMINATED INTRAVASCULAR COAGULATION, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOTOXINS, administration & dosage/ *ENDOTOXINS, pharmacodynamics/ FEMALE/ *FIBRIN, metabolism/ HEMATOCRIT/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ KIDNEY GLOMERULUS, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PSEUDOPREGNANCY/ RATS/ SHWARTZMAN PHENOMENON, chemically induced

261. **Belleville F, Nabet P, Paysant P:** Hétérogénéité de l'hormone somatomammotrophine chorionique (H.C.S.) humaine purifiée.
C R Soc Biol (Paris) 166:1060-4, 1972 **(Fre)**
ALDEHYDES/ DITHIOTHREITOL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTARATES/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, isolation & purification/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ SULFUR

262. **Bellman M:** Anorexia nervosa--klinisk bild och terapi.
Lakartidningen 70:837-40, 28 Feb 73 **(Swe)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, etiology/ *ANOREXIA NERVOSA/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FECES, IMPACTED, etiology/ FEMALE/ HUMAN/ MALE/ PARENT-CHILD RELATIONS/ PITUITARY DISEASES/ PSYCHOTHERAPY/ SEX FACTORS

263. **Bellows AR, Grant WM:** Cyclocryotherapy in advanced inadequately controlled glaucoma.
Am J Ophthalmol 75:679-84, Apr 73
ADOLESCENCE/ ADULT/ AGED/ ATROPINE, therapeutic use/ *CRYOTHERAPY, instrumentation/ DEXAMETHASONE, therapeutic use/ ERYTHROMYCIN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GLAUCOMA, classification/ *GLAUCOMA, therapy/ HUMAN/ INTRAOCULAR PRESSURE/ MALE/ METHODS/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ TONOMETRY

264. **Belopavlović M, Gudelj S:** Klinika i savremena terapija senilnih colpita.
Med Glas 26:316-21, Sep 72 **(Cro)**
AGED/ ANTIBIOTICS, administration & dosage/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ MIDDLE AGE/ OINTMENTS/ VAGINAL SMEARS/ VITAMINS, administration & dosage/ *VULVOVAGINITIS/ VULVOVAGINITIS, diagnosis/ VULVOVAGINITIS, drug therapy

265. **Belousova AK:** Molekuliarnye osnovy zavisimosti tsitotoksicheskogo effekta protivoopukholevykh soedinenii ot fazy kletochnogo tsikla.
Vopr Onkol 18:88-96, 1972 (70 ref.) **(Rus)**
ADENOCARCINOMA, drug therapy/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ALKYLATING AGENTS, pharmacodynamics/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/

*ANTINEOPLASTIC AGENTS, therapeutic use/ CORTICOTROPIN, physiology/ DACTINOMYCIN, pharmacodynamics/ DNA, NEOPLASM, biosynthesis/ DNA REPLICATION, drug effects/ ESTROGENS, physiology/ FLUOROURACIL, therapeutic use/ GENETICS, BIOCHEMICAL/ GLUCAGON, physiology/ GLUCOCORTICOIDS, physiology/ MATHEMATICS/ METHOTREXATE, therapeutic use/ *MITOSIS/ MITOSIS, drug effects/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, EXPERIMENTAL, drug therapy/ RECEPTORS, DRUG/ REVIEW/ RNA, NEOPLASM, biosynthesis/ SARCOMA, EXPERIMENTAL, drug therapy/ TISSUE CULTURE

266. **Beizer FO, Kountz SL:** The role of clinical transplantation in patients with end-stage renal disease. Transplant Proc 5:793-7, Mar 73
ADOLESCENCE/ ADULT/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GAMMA GLOBULIN, therapeutic use/ GRAFT REJECTION, drug therapy/ HEMODIALYSIS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ INFANT/ KIDNEY, radiation effects/ *KIDNEY, transplantation/ *KIDNEY FAILURE, ACUTE, therapy/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RADIOTHERAPY/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

267. **Ben-Ari Y:** Plasticity at unitary level. I. An experimental design.
Electroencephalogr Clin Neurophysiol 32:655-65, Jun 72
ACOUSTIC STIMULATION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ASSOCIATION/ CATS/ CONDITIONING (PSYCHOLOGY)/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ EXTINCTION (PSYCHOLOGY)/ HABITUATION (PSYCHOPHYSIOLOGY)/ *LEARNING/ *NEURONS, physiology/ PHOTIC STIMULATION/ *SENSATION

268. **Ben-Ari Y, Le Gal la Salle G:** Plasticity at unitary level. II. Modifications during sensory-sensory association procedures.
Electroencephalogr Clin Neurophysiol 32:667-79, Jun 72
ACOUSTIC STIMULATION/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *ASSOCIATION/ CATS/ *CONDITIONING (PSYCHOLOGY)/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ EXTINCTION (PSYCHOLOGY)/ HABITUATION (PSYCHOPHYSIOLOGY)/ *NEURONS, physiology/ PHOTIC STIMULATION/ *SENSATION.

269. **Ben-Ari Y, Le Gal la Salle G, Champagnat J:** Amygdala unit activity changes related to a spontaneous blood pressure increase. Brain Res 52:394-8, 30 Mar 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ CATS/ ELECTROENCEPHALOGRAPHY/ TAPE RECORDING

270. **Ben-David M, Chrambach A:** Electrophoretic identity of biologically active pituitary and serum prolactins in the lactating and perphenazine-treated rat.
Acta Endocrinol (Kbh) 72:654-62, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *LACTATION/ *PERPHENAZINE, pharmacodynamics/ PIGEONS/ PITUITARY GLAND, analysis/ *PITUITARY HORMONE RELEASING FACTORS/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROLACTIN, analysis/ PROLACTIN, blood/ RATS

271. **Ben-David M, Rodbard D, Bates RW, et al:** Human prolactin in plasma, amniotic fluid and pituitary: identity and characterization by criteria of electrophoresis and isoelectric focusing in polyacrylamide gel.
J Clin Endocrinol Metab 36:951-64, May 73
ADENOMA, CHROMOPHOBE, pathology/ AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IODINE ISOTOPES/ ISOELECTRIC FOCUSING/ LACTATION DISORDERS, pathology/ MALE/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY

272. **Benda R, Rychterová V:** Untersuchungen zum Mechanismus der Ausbreitung des neurotorpen Vakzinevirus-Stammes im Kaninchenorganismus.
Zentralbl Bakteriol [Orig A] 222:145-61, Nov 72 (Ger)
ADRENAL GLANDS, microbiology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GANGLIA, SPINAL, microbiology/ KUPFFER CELLS/ LUNG, microbiology/ LYMPHATIC SYSTEM, microbiology/ MENINGES, microbiology/ NASAL MUCOSA, microbiology/ RABBITS/ RESPIRATORY SYSTEM, microbiology/ RETICULOENDOTHELIAL SYSTEM, microbiology/ SCIATIC NERVE, microbiology/ SPECIES SPECIFICITY/ TONSIL, microbiology/ *VACCINIA VIRUS, growth & development/ *VIRUS REPLICATION

273. **Benediktov ID, Antonova LI:** Dinamika éstrogenov krovi i mochi beremennykh, ranee stradavshikh anovuliatornymi krovotecheniiami.
Vopr Okhr Materin Det 17:45-8, Nov 72 (Rus)
ENGLISH ABSTRACT/ ESTROGENS, blood/ *ESTROGENS, urine/ FEMALE/ HUMAN/ OVULATION/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ *PREGNANCY COMPLICATIONS, urine/ *UTERINE HEMORRHAGE

274. **Benediktov ID, Tron' NA:** Ekskretsiia gonadotropnykh gormonov u bol'nykh fibromiomoi matki.
Akush Ginekol (Mosk) 49:13-6, Jan 73 (Rus)
ENGLISH ABSTRACT/ FEMALE/ FSH, urine/ *GONADOTROPINS, urine/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ *LEIOMYOMA, urine/ LH, urine/ MENSTRUATION/ MENSTRUATION DISORDERS, urine/ *UTERINE NEOPLASMS, urine

275. **Benendo-Kapuscinska B, Malanowska S:** Pneumomediastinografia diagnostica in 100 casi di miastenia grave.
Minerva Med 64:420-4, 24 Feb 73 (Ita)
ADOLESCENCE/ ADULT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, etiology/ *PNEUMOMEDIASTINUM, DIAGNOSTIC/ THYMUS HYPERPLASIA, complications/ *THYMUS HYPERPLASIA, radiography/ THYMUS NEOPLASMS, complications/ *THYMUS NEOPLASMS, radiography/ TOMOGRAPHY, RADIOGRAPHIC

276. **Benes P, Oertel GW:** Hemmung der Glucose-6-Phosphat-Dehydrogenase durch Steroide. 5. Einfluss der placentaren G-6-PDH-aktivität auf den Stoffwechsel von 7 - 3 H-Dehydroepiandrosteron.
Endokrinologie 60:340-6, 1972 (Ger)
*DEHYDROEPIANDROSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ *GLUCOSEPHOSPHATE DEHYDROGENASE, pharmacodynamics/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE/ NADP/ PLACENTA, enzymology/ PREGNANCY/ TRITIUM

277. **Benezech M, Robert G, Noel B, et al:** Agressivité, délinquance psychopathique et longueur du chromosome. Nouv Presse Med 2:583, 3 Mar 73 (Fre)

*AGGRESSION/ HUMAN/ *SEX CHROMOSOME ABNORMALITIES, complications/ *SOCIAL BEHAVIOR DISORDERS, etiology/ SOCIOPATHIC PERSONALITY, etiology

278. **Benirschke K, Kim CK:** Multiple pregnancy. I. N Engl J Med 288:1276-84, 14 Jun 73 (105 ref.)
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ CLOMIPHENE, pharmacodynamics/ DISEASES IN TWINS/ DISSEMINATED INTRAVASCULAR COAGULATION/ FEMALE/ FETAL DISEASES/ FETOFETAL TRANSFUSION/ FETUS, growth & development/ GENOTYPE/ GONADOTROPINS, secretion/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HEART DEFECTS, CONGENITAL/ HEMOGLOBIN, analysis/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ INTELLIGENCE/ MATERNAL AGE/ MONSTERS/ OVULATION, drug effects/ OVUM/ PLACENTA, anatomy & histology/ PLACENTA, blood supply/ PREGNANCY/ *PREGNANCY, MULTIPLE/ REVIEW/ SEASONS/ TWINS

279. **Benisch BM, Abt AB, Abramson A:** Granular cell myoblastoma of trachea associated with pregnancy. Chest 63:832-3, May 73
ADULT/ ESTROGENS, secretion/ FEMALE/ HUMAN/ MYOBLASTOMA, chemically induced/ *MYOBLASTOMA, diagnosis/ MYOBLASTOMA, pathology/ MYOBLASTOMA, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, pathology/ PREGNANCY COMPLICATIONS, surgery/ TRACHEAL NEOPLASMS, chemically induced/ *TRACHEAL NEOPLASMS, diagnosis/ TRACHEAL NEOPLASMS, pathology/ TRACHEAL NEOPLASMS, surgery

280. **Benkert O, Gluba H, Matussek N:** Dopamine, noradrenaline and 5-hydroxy-tryptamine in relation to motor activity, fighting and mounting behavior. I. L-dopa and DL-threo-dihydroxyphenylserine in combination with Ro 4-4602, pargyline and reserpine. Neuropharmacology 12:177-86, Mar 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CATECHOL, pharmacodynamics/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ DRUG INTERACTIONS/ *HYDRAZINES, pharmacodynamics/ MALE/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ *PARGYLINE, pharmacodynamics/ RATS/ *RESERPINE, pharmacodynamics/ *SERINE, pharmacodynamics/ SEROTONIN, metabolism/ *SEX BEHAVIOR, ANIMAL, drug effects

281. **Benkert O, Renz A, Matussek N:** Dopamine, noradrenaline and 5-hydroxy-trytamine in relation to motor activity, fighting and mounting behaviour. II. L-dopa and DL-threo-dihydroxyphenylserine in combination with Ro 4-4602 and parachlorophenylalanine. Neuropharmacology 12:187-93, Mar 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CATECHOL, pharmacodynamics/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ DRUG INTERACTIONS/ *HYDRAZINES, pharmacodynamics/ MALE/ MICE/ MICE, INBRED STRAINS/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ *SERINE, pharmacodynamics/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ SLEEP, drug effects

282. **Bennett AH, Cain JP, Diuhy RG, et al:** Surgical treatment of adrenocortical hyperplasia: 20-year experience. J Urol 109:321-4, Mar 73
ADENOMA, complications/ ADENOMA, surgery/ ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, surgery/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ ADULT/ CORTISONE, therapeutic use/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, surgery/ DESOXYCORTICOSTERONE, therapeutic use/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MIDDLE AGE/ PITUITARY GLAND IRRADIATION/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS

283. **Bennett E:** Abnormality of separate subunits of factor VIII? Lancet 808:885-6, 21 Apr 73
ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ *FACTOR VIII/ *HEMOPHILIA, immunology/ HUMAN/ IMMUNE SERUMS/ IMMUNOGENETICS/ RABBITS, immunology/ SEX CHROMOSOMES/ *VON WILLEBRAND'S DISEASE, immunology

284. **Bennett EJ, Giesxi GS, Dalal FY:** Pancuronium bromide: a double-blind comparison with d-tubocurarine for intubation in adults. Anesth Analg (Cleve) 52:195-7, Mar 73
ADULT/ *ANDROSTANES, pharmacodynamics/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, pharmacodynamics/ EVALUATION STUDIES/ HUMAN/ *INTUBATION, INTRATRACHEAL/ MALE/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ TUBOCURARINE, administration & dosage/ *TUBOCURARINE, pharmacodynamics

285. **Bennett M, Sturgeon M, Engler JP:** Graft-versus-host reactions in mice. IV. Thymus cell suppression of antibody formation. Am J Pathol 71:135-50, Apr 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ BONE MARROW CELLS, transplantation/ *CELL DIFFERENTIATION/ ERYTHROCYTES, transplantation/ *GRAFT VS HOST REACTION/ IMMUNIZATION/ *IMMUNOSUPPRESSION/ *LYMPHOID TISSUE, immunology/ MICE/ RADIATION EFFECTS/ SHEEP/ SPLEEN, radiation effects/ THYMUS GLAND, cytology/ *THYMUS GLAND, immunology/ THYMUS GLAND, transplantation/ TRANSPLANTATION, HETEROLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

286. **Bennett WI, Dufau ML, Catt KJ, et al:** Effect of human menopausal gonadotropin upon spermatogenesis and testosterone production in juvenile rhesus monkeys. Endocrinology 92:813-21, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ FEMALE/ GONADOTROPINS, CHORIONIC/ HUMAN/ LH/ MACACA/ MALE/ MENOTROPINS, administration & dosage/ *MENOTROPINS, pharmacodynamics/ MONKEYS/ *SPERMATOGENESIS, drug effects/ *TESTOSTERONE, blood

287. **Bensaid J, Barrillon A, Scebat L, et al:** Evolution des myographies accidentelles après angiocardiographie sélective.
Arch Mal Coeur 65:673-83, Jun 72 (Fre)
ADOLESCENCE/ ADULT/ *ANGIOCARDIOGRAPHY, adverse effects/ ANGIOCARDIOGRAPHY, mortality/ ARRHYTHMIA, etiology/ CARDIAC TAMPONADE, etiology/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEART CATHETERIZATION, adverse effects/ *HEART DISEASES, diagnosis/ HEART INJURIES, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *MYOGRAPHY/ PAIN, etiology/ PERICARDITIS, drug therapy/ PERICARDITIS, etiology/ POSTPERICARDIOTOMY SYNDROME/ PROGNOSIS

288. **Bentley PJ:** Osmoregulation in the aquatic urodeles

Amphiuma means (the Congo eel) and Siren lacertina (the mud eel). Effects of vasotocin.
Gen Comp Endocrinol 20:386-91, Apr 73
ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BLADDER, metabolism/ *EELS, physiology/ FROGS/ IN VITRO/ NATRIURESIS/ OUABAIN, pharmacodynamics/ RANA CATESBEIANA, physiology/ SKIN, metabolism/ SODIUM, metabolism/ *VASOTOCIN, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE, drug effects

289. Beran M, Semonský M: Antifertilitní látky nesteroidního typu. Cesk Farm 22:28-43, Feb 73 (Cze)
CARBOXYLIC ACIDS, chem synthesis/ CHEMISTRY/ *CONTRACEPTIVES, ORAL, chem synthesis/ DIETHYLSTILBESTROL, chem synthesis/ ETHYLENE, chem synthesis/ NEURAMINIDASE, chem synthesis/ PROSTAGLANDINS, chem synthesis/ STRUCTURE-ACTIVITY RELATIONSHIP

290. Berg G: An electron microscopic study of the thyroglobulin molecule.
J Ultrastruct Res 42:324-36, Feb 73
ALDEHYDES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ FACTOR ANALYSIS, STATISTICAL/ GEL FILTRATION/ GLYCERIN/ HYDROGEN-ION CONCENTRATION/ MICROSCOPY, ELECTRON/ MOLYBDENUM/ PHOSPHOTUNGSTIC ACID/ PROTEIN CONFORMATION/ SILICATE CEMENT/ STAINS AND STAINING/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, isolation & purification/ THYROID GLAND, analysis/ TISSUE EXTRACTS, analysis

291. Berg JW, Godwin JD, McKay FW, et al: Testis cancer in Negroes. Lancet 1:782-3, 7 Apr 73
AFRICA/ CAUCASIAN RACE/ ENVIRONMENTAL EXPOSURE/ HUMAN/ MALE/ NEGROES/ NEGROID RACE/ *TESTICULAR NEOPLASMS, occurrence/ UNITED STATES

292. Berg PA van de: Zur Frage der Blutversorgung des Knochens nach Marknagelung und Verplattung.
Bruns Beitr Klin Chir 220:103-9, Feb 73 (Ger)
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ *BONE AND BONES, blood supply/ BONE NAILS/ BONE PLATES/ DOGS/ ENGLISH ABSTRACT/ *FRACTURE FIXATION, INTERNAL/ *FRACTURE FIXATION, INTRAMEDULLARY/ MICRORADIOGRAPHY/ TIBIA

293. Berg PA van de: Revaskularisation osteotomierter langer Röhrenknochen nach stabiler und instabiler Osteosynthese durch intra- und extramedulläre Kraftträger.
Ann Univ Sarav [Med] 19:148-234, 1972 (Ger)
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ *BONE AND BONES, blood supply/ BONE AND BONES, physiopathology/ BONE AND BONES, surgery/ BONE NAILS/ BONE REGENERATION/ CALLUS, blood supply/ DOGS/ *FRACTURE FIXATION, INTERNAL/ *FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ MICROCIRCULATION/ OSTEOTOMY/ REGIONAL BLOOD FLOW

294. Berger BD, Wise CD, Stein L: Nerve growth factor: enhanced recovery of feeding after hypothalamic damage. Science 180:506-8, 4 May 73
ANIMAL EXPERIMENTS/ *APPETITE REGULATION, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT/ DENERVATION/ DRINKING BEHAVIOR, drug effects/ FEEDING BEHAVIOR, drug effects/ *HYPOTHALAMUS, drug effects/ MALE/ NERVE DEGENERATION/ *NERVE GROWTH FACTOR, pharmacodynamics/ *NERVE REGENERATION, drug effects/ RATS/ TIME FACTORS

295. Berger BW, Maier HS, Kantor I, et al: Pemphigus vulgaris in a 3-and-one-half-year old boy.
Arch Dermatol 107:433-4, Mar 73
BIOPSY/ CHILD, PRESCHOOL/ FLUORESCENT ANTIBODY TECHNIC/ FUNDUS OCULI/ GROWTH DISORDERS, chemically induced/ HUMAN/ MALE/ *MOUTH DISEASES/ MOUTH DISEASES, pathology/ *PEMPHIGUS/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ PEMPHIGUS, immunology/ PEMPHIGUS, pathology/ PENICILLIN, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects

296. Berger R, Binoux M, Chassan E, et al: Dysgénés
gonadique pure familiale.
Ann Endocrinol (Paris) 33:35-40, Jan-Feb 72 (Fr
ADOLESCENCE/ ADULT/ DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ MICROSCOPY, FLUORESCENCE/ PEDIGREE/ TURNER'S SYNDROME, diagnosis/ *TURNER' SYNDROME, familial & genetic

297. Bergner H, Schmidt W: Untersuchungen zur Wirkun von Rapsextraktionsschrot auf das Kükenwachstun 3. Die Wirkung von gestaffelten rapsextraktionsschrotgaben auf den 131 J-Einbau dle Kükenschilddrüse.
Arch Tierernaehr 22:41-7, Feb 72 (Ge
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BODY COMPOSITION/ BODY WEIGHT/ CHICKENS, growth & development/ *CHICKENS, metabolism/ ENGLISH ABSTRACT/ GRAIN/ *IODINE, metabolism/ IODINE ISOTOPES/ PROTEINS, analysis/ *THYROID GLAND, metabolism

298. Bergsjo P: Blodtrykk, P-piller og naturlige kjønnssteroider.
Tidsskr Nor Laegeforen 93:459-60, 10 Mar 73 (No
*CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, physiology/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced

299. Bergsjo P: P-piller og leverskader--praktisk veiledni
Tidsskr Nor Laegeforen 93:459, 10 Mar 73 (No
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEPATITIS, TOXIC, etiology/ HUMAN/ JAUNDICE, CHRONIC IDIOPATHIC complications/ *LIVER DISEASES, chemically induced/ PORPHYRIA, complications

300. Bergsjo P, Bakke T, Salamonsen LA, et al: Urina oestriol in pregnancy, daily fluctuation, and correlation with fetal growth.
J Obstet Gynaecol Br Commonw 80:305-10, Apr
BIRTH WEIGHT/ *ESTRIOL, urine/ FEMALE FETAL DEATH/ *FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, urine/ *PREGNANCY/ PREGNANCY TOXEMIAS, urine/ PROTEINURIA/ TIME FACTORS

301. Bergstein JM, Michael AF Jr: The effect of thorotra and cortisone on renal cortical fibrinolytic activity the rabbit. Am J Pathol 71:113-8, Apr 73
ANIMAL EXPERIMENTS/ CORTISONE, antagonists & inhibitors/ *CORTISONE, pharmacodynamics/ ENDOTOXINS, pharmacodynamics/ *FIBRIN, antagonists & inhibitors/ *FIBRINOLYSIS/ INJECTIONS, INTRAMUSCULAR/ *KIDNEY, drug effects/ KIDNEY, pathology/ KIDNEY CORTEX, drug effects/ KIDNEY GLOMERULUS, drug effect RABBITS/ SHWARTZMAN PHENOMENON, etiology/ SHWARTZMAN PHENOMENON, pathology/ THORIUM DIOXIDE, antagonists & inhibitors/ *THORIUM DIOXIDE, pharmacodynamics

302. Bergström I, Boethius G, Wiman F: Sjukdomspanoran utlåst ur en läkemedelsregistrering.
Lakartidningen 69:Suppl 4:34-7, 27 Dec 72 (Sw
ADOLESCENCE/ ADRENERGIC BETA RECEPTOR BLOCKADERS/ ADULT/ AGED/ ANTACIDS/ ANTIDIABETICS/ ANTIHYPERTENSIVE AGENTS/ CHILD/ CHILD, PRESCHOOL/ DIGITALIS GLYCOSIDES/ *DISEASE, occurrence/

DIURETICS/ *DRUG UTILIZATION/ ENGLISH ABSTRACT/ ESTROGENS/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ IRON/ MALE/ MIDDLE AGE/ MYOCARDIAL DEPRESSANTS/ PARASYMPATHOLYTICS/ *PRESCRIPTIONS/ SWEDEN

303. **Bergström S, Nilsson O:** Ultrastructural response of blastocysts and uterine epithelium to progesterone deprivation during delayed implantation in mice.
J Endocrinol 55:217-8, Oct 72
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, drug effects/ FEMALE/ MICE/ MICROSCOPY, ELECTRON, SCANNING/ *NIDATION/ *OVUM, cytology/ OVUM, drug effects/ *PROGESTERONE, pharmacodynamics/ *UTERUS, cytology/ UTERUS, drug effects

304. **Beringer T, Hadek R:** Ultrastructure of sinus venosus innervation in Petromyzon marinus.
J Ultrastruct Res 42:312-23, Feb 73
ANIMAL EXPERIMENTS/ AXONS, cytology/ BASEMENT MEMBRANE, cytology/ CELLULAR INCLUSIONS/ CHROMAFFIN SYSTEM, cytology/ *CYCLOSTOMES, anatomy & histology/ ENDOPLASMIC RETICULUM/ ENDOTHELIUM, cytology/ FIBROBLASTS, cytology/ *HEART, innervation/ HEART ATRIUM, cytology/ HEART ATRIUM, innervation/ HEART VENTRICLE, cytology/ HEART VENTRICLE, innervation/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ *MYOCARDIUM, cytology/ NEUROFIBRILS/ NEUROMUSCULAR JUNCTION, cytology/ SARCOLEMMA/ SCHWANN CELLS, cytology

305. **Berle P, Leyen H von, Link A:** Plazentares Laktogen im mütterlichen Blut im Verlaufe normaler Schwangerschaft.
Z Geburtshilfe Perinatol 176:470-3, Dec 72 (Ger)
CIRCADIAN RHYTHM/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC/ HUMAN/ INFANT, NEWBORN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY/ SOMATOTROPIN

306. **Berle P, Rössler H, Plambek H:** Mütterliche HPL-Serumkonzentration vor, unter und nach der Entbindung unter besonderer Berücksichtigung der Übertragung.
Arch Gynaekol 213:390-8, 21 Mar 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LABOR/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY, PROLONGED/ RADIOIMMUNOASSAY

307. **Bernadou A, Devred C, Diebold J, et al:** Thymome fuso-cellulaire associé à une érythroblastopénie, une mégacaryocytopénie et une maladie des inclusions cytomégaliques.
Sem Hop Paris 48:3443-9, 20 Dec 72 (Fre)
AGED/ ANDROGENS, therapeutic use/ *ANEMIA, etiology/ AUTOANTIBODIES/ BRONCHOPNEUMONIA, complications/ BRONCHOPNEUMONIA, etiology/ COBALT ISOTOPES, therapeutic use/ CORTISONE, therapeutic use/ *CYTOMEGALIC INCLUSION DISEASE, complications/ ENGLISH ABSTRACT/ ERYTHROCYTES/ FEMALE/ *HEMORRHAGIC DIATHESIS, etiology/ HUMAN/ MEGAKARYOCYTES/ MYASTHENIA GRAVIS, etiology/ PURPURA, THROMBOPENIC, etiology/ *THYMOMA, complications/ THYMOMA, drug therapy/ THYMOMA, radiotherapy

308. **Bernard BK, Paolino RM:** Brain norepinephrine levels and turnover rates in castrated mice isolated for 13 months. Experientia 29:221-3, 15 Feb 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN CHEMISTRY, drug effects/ CASTRATION/ KINETICS/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ *SOCIAL ISOLATION/ *TESTOSTERONE, physiology

309. **Bernard C, Monier P, Rebaud A, et al:** Les formes mortelles des méningites purulentes de l'adulte.
Lyon Med 228:565-75, 26 Nov 72 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANTIBIOTICS, therapeutic use/ ECHOENCEPHALOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ *MENINGITIS/ MENINGITIS, surgery/ MIDDLE AGE/ RECURRENCE/ SEX FACTORS

310. **Bernard-Weil E:** Effects of a week of ACTH or corticosteroid treatment on the diuretic response to water intake. A probably neuropostpituitary response to corticosteroid load. Steroids Lipids Res 3:24-9, 1972
*ADRENAL CORTEX HORMONES, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ *DIURESIS, drug effects/ HUMAN/ *PITUITARY GLAND, POSTERIOR, drug effects/ SODIUM, blood/ VASOPRESSIN, secretion/ WATER, metabolism

311. **Berneis KH, Goetz U, Da Prada M, et al:** Interaction of aggregated catecholamines and nucleotides with intragranular proteins.
Naunyn Schmiedebergs Arch Pharmacol 277:291-6, 1973
*ADENOSINE TRIPHOSPHATE/ AGGLUTINATION/ BINDING SITES/ CALCIUM/ CATTLE/ *CHROMAFFIN SYSTEM/ CHROMOGRANINS/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS/ *NOREPINEPHRINE/ PROTEIN BINDING/ SERUM ALBUMIN, BOVINE/ TEMPERATURE/ TIME FACTORS/ ULTRACENTRIFUGATION

312. **Bernik MB:** Increased plasminogen activator (urokinase) in tissue culture after fibrin deposition.
J Clin Invest 52:823-34, Apr 73
CELL-FREE SYSTEM/ CELLS, CULTURED/ *FIBRIN, metabolism/ FIBRINOLYSIN, pharmacodynamics/ *FIBRINOLYTIC AGENTS, metabolism/ HUMAN/ IN VITRO/ KIDNEY, cytology/ *KIDNEY, metabolism/ LUNG, cytology/ LUNG, metabolism/ MITOSIS/ SPLEEN, cytology/ SPLEEN, metabolism/ THROMBIN, pharmacodynamics/ THYROID GLAND, cytology/ THYROID GLAND, metabolism/ TIME FACTORS/ TRYPSIN, pharmacodynamics

313. **Bernstein A, Simon F, Schmitz TH, et al:** The effect of sodium dextrothyroxine on serum cholesterol and mortality rates in cardiac patients.
Angiology 24:205-11, Apr 73
ARTERIOSCLEROSIS, blood/ ARTERIOSCLEROSIS, drug therapy/ ARTERIOSCLEROSIS, mortality/ *CHOLESTEROL, blood/ CORONARY DISEASE, blood/ *CORONARY DISEASE, drug therapy/ CORONARY DISEASE, mortality/ DEXTROTHYROXINE, administration & dosage/ *DEXTROTHYROXINE, therapeutic use/ FEMALE/ HUMAN/ MALE/ PROGNOSIS

314. **Berović Z:** Primena imunosupresivnih sredstava u lečenju sistemskih holesti vezivnog tkiva.
Reumatizam 19:217-20, 1972 (Cro)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTILYMPHOCYTE SERUM, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ *COLLAGEN DISEASES, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use

315. **Berry MS, Cottrell GA:** Dopamine: excitatory and inhibitory transmission from a giant dopamine neurone. Nature [New Biol] 242:250-3, 25 Apr 73
ACETYLCHOLINE, pharmacodynamics/ *ACTION POTENTIALS, drug effects/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOPAMINE, analysis/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ DOPAMINE,

physiology/ ERGONOVINE, pharmacodynamics/ GANGLIA, cytology/ GLUTAMATES, pharmacodynamics/ GLYCINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MOLLUSCA/ *NEURAL TRANSMISSION, drug effects/ NEURONS, analysis/ *NEURONS, physiology/ NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SYNAPSES

316. **Bertho E:** Adénome parathyroïdien médiastinal. Réflexions à propos d'un cas opéré avec succès.
Nouv Presse Med 2:575-9, 3 Mar 73 (Fre)
*ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA, surgery/ ANGIOGRAPHY/ CINERADIOGRAPHY/ FEMALE/ HUMAN/ *MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINAL NEOPLASMS, pathology/ MEDIASTINAL NEOPLASMS, surgery/ METHIONINE, diagnostic use/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, surgery/ RADIOISOTOPE SCANNING/ RADIOISOTOPES, diagnostic use/ SELENIUM, diagnostic use

317. **Besch PG, Buttram VC Jr, Besch NF:** Stanbio and "Tekit" methods for placental estrogens compared.
Clin Chem 19:434, Apr 73
COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ METHODS/ PLACENTA/ PREGNANCY

318. **Beshear JR, Hendley JO:** Severe pulmonary involvement in visceral larva migrans.
Am J Dis Child 125:599-600, Apr 73
AMINOPHYLLINE, therapeutic use/ ANTIGENS, analysis/ ASCARIS, immunology/ HUMAN/ INFANT/ ISOANTIBODIES, analysis/ *LARVA MIGRANS, VISCERAL, complications/ LARVA MIGRANS, VISCERAL, radiography/ LEUKOCYTE COUNT/ MALE/ PENICILLIN G, therapeutic use/ PNEUMONIA, complications/ PNEUMONIA, drug therapy/ *PNEUMONIA, etiology/ PNEUMONIA, radiography/ PRECIPITIN TESTS/ PREDNISONE, therapeutic use/ RESPIRATION, ARTIFICIAL/ *RESPIRATORY INSUFFICIENCY, etiology/ THIABENDAZOLE, therapeutic use/ TOXOCARA, immunology

319. **Bessler W:** Szintigraphische Untersuchungen bei Skelettsystemerkrankungen.
Radiologe 13:117-24, Mar 73 (Ger)
ADULT/ AGED/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ CUSHING'S SYNDROME, complications/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERTHYROIDISM, complications/ MALE/ METHODS/ MIDDLE AGE/ OSTEOMALACIA, diagnosis/ OSTEOPOROSIS, diagnosis/ *RADIOISOTOPE SCANNING/ SPINE/ STRONTIUM ISOTOPES

320. **Besterman EM, Gillett MP:** Influence of lysolecithin on platelet aggregation initiated by 5-hydroxytryptamine.
Nature [New Biol] 241:223-4, 14 Feb 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ARTERIES/ CHRONIC DISEASE/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ *LYSOLECITHIN, pharmacodynamics/ MALE/ *PLATELET ADHESIVENESS, drug effects/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ VASCULAR DISEASES, blood

321. **Besznyák I, Besznyák G:** Hämangioendotheliom der Schilddrüse. Zentralbl Chir 98:132-4, 26 Jan 73 (Ger)
CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HEMANGIOENDOTHELIOMA, drug therapy/ HEMANGIOENDOTHELIOMA, pathology/ HEMANGIOENDOTHELIOMA, radiotherapy/ *HEMANGIOENDOTHELIOMA, surgery/ HUMAN/ MIDDLE AGE/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiotherapy/ *THYROID NEOPLASMS, surgery

322. **Besznyák I, Sebestény M, Kuchár F:** Primary mediastinal seminoma. A case report and review of the literature.
J Thorac Cardiovasc Surg 65:930-4, Jun 73
*DISGERMINOMA/ DISGERMINOMA, diagnosis/ DISGERMINOMA, pathology/ DISGERMINOMA, radiography/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ FEMALE/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS/ MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINAL NEOPLASMS, pathology/ MEDIASTINAL NEOPLASMS, radiography/ MEDIASTINAL NEOPLASMS, radiotherapy/ MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE

323. **Better OS, Levi J, Grief E, et al:** Prolonged neonatal parathyroid suppression. A sequel to asymptomatic maternal hyperparathyroidism.
Arch Surg 106:722-4, May 73
ADENOMA, complications/ ADENOMA, surgery/ ADMINISTRATION, ORAL/ ALUMINUM HYDROXIDE GEL, therapeutic use/ CALCIUM, therapeutic use/ CASE REPORT/ CONVULSIONS, etiology/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ HYPOCALCEMIA, etiology/ *HYPOPARATHYROIDISM, congenital/ HYPOPARATHYROIDISM, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MAGNESIUM, blood/ MAGNESIUM, therapeutic use/ MATERNAL-FETAL EXCHANGE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PHOSPHATES, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS

324. **Bey EM, Whitcutt JM:** Chromosomes of SA7 transformed hamster cells. II. Studies on unmatched chromosomes.
S Afr J Med Sci 37:39-46, Jul 72
*ADENOVIRUS/ ANIMALS, NEWBORN/ CELL DIVISION/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ *CHROMOSOME ABERRATIONS/ CLONE CELLS/ HAMSTERS/ KARYOTYPING/ SEX CHROMOSOMES/ SKIN

325. **Beys-L'Hoest B:** Recherches sur l'identification et le titrage des gonadotrophines à usage thérapeutique par méthodes immunologiques. 3. Recherches expérimentales sur les préparations d'origine équine: gonadotrophine sérique ou P.M.S.
J Pharm Belg 27:519-42, Sep-Oct 72 (Fre)
ANIMAL EXPERIMENTS/ *ANTIGENIC DETERMINANTS/ *ANTIGENS, analysis/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ GEL DIFFUSION TESTS/ *GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ *GONADOTROPINS, EQUINE, analysis/ GONADOTROPINS, EQUINE, pharmacodynamics/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ METHODS/ OVARY, drug effects/ PLACENTA, immunology/ RATS

326. **Bhalla SC:** Sex-linked translocations, semisterility and linkage alterations in the mosquito Aedes aegypti.
Can J Genet Cytol 15:9-20, Mar 73
*AEDES/ ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ CROSSING OVER (GENETICS)/ *LINKAGE (GENETICS)/ *SEX CHROMOSOMES/ *STERILITY

327. **Bhatavdekar JM, Chinoy NJ, Shah VC:** A study on the levels of nucleic acids, protein and phosphatases in normal and X-irradiated guinea pigs.
Strahlentherapie 145:83-7, Jan 73
ACID PHOSPHATASE, analysis/ *ACID PHOSPHATASE, radiation effects/ ADRENAL GLANDS, analysis/ ALKALINE PHOSPHATASE, analysis/ *ALKALINE PHOSPHATASE, radiation effects/ ANIMAL EXPERIMENTS/ DNA, analysis/ DNA, metabolism/ GUINEA PIGS/ KIDNEY,

analysis/ LIVER, analysis/ MUSCLES, analysis/ *NUCLEIC ACIDS, radiation effects/ *PHOSPHATASES, radiation effects/ PROTEINS, analysis/ *PROTEINS, radiation effects/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RNA, analysis/ RNA, metabolism/ SPLEEN, analysis/ TIME FACTORS

328. **Bhattacharya M, Barlow JJ:** Immunologic studies of human serous cystadenocarcinoma of ovary. Demonstration of tumor-associated antigens. Cancer 31:588-95, Mar 73
ANTIBODIES, NEOPLASM, analysis/ *ANTIGENS, NEOPLASM, analysis/ *CYSTADENOCARCINOMA, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ KIDNEY, immunology/ LIVER, immunology/ MUCOPROTEINS, analysis/ *OVARIAN NEOPLASMS, immunology/ OVARY, immunology/ RABBITS, immunology

329. **Bhattacharyya MH, DeLuca HF:** The regulation of rat liver calciferol-25-hydroxylase. J Biol Chem 248:2969-73, 10 May 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERGOCALCIFEROL/ ERGOCALCIFEROL, analysis/ GEL FILTRATION/ *HYDROXYLASES, metabolism/ *LIVER, enzymology/ MALE/ NADP, pharmacodynamics/ RATS/ TIME FACTORS/ TRITIUM/ VITAMIN D, administration & dosage/ VITAMIN D, analysis/ VITAMIN D, blood/ VITAMIN D, pharmacodynamics

330. **Bhattacharyya MH, DeLuca HF:** Comparative studies on the 25-hydroxylation of vitamin D 3 and dihydrotachysterol 3 .
J Biol Chem 248:2974-7, 10 May 73
ANIMAL EXPERIMENTS/ DIHYDROTACHYSTEROL, administration & dosage/ *DIHYDROTACHYSTEROL, metabolism/ DIHYDROTACHYSTEROL, pharmacodynamics/ *HYDROXYLASES, metabolism/ LIVER, enzymology/ RATS/ TIME FACTORS/ TRITIUM/ VITAMIN D, administration & dosage/ VITAMIN D, blood/ *VITAMIN D, metabolism/ VITAMIN D, pharmacodynamics

331. **Bhavani BR, Short RV:** Formation of steroids by the pregnant mare. 3. Metabolism of 14C-squalene and 3H-dehydroisoandrosterone injected into the fetal circulation. Endocrinology 92:657-66, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *DEHYDROEPIANDROSTERONE, metabolism/ ESTRADIOL, biosynthesis/ ESTRADIOL, urine/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ ESTRONE, urine/ FEMALE/ HORSES/ 17-KETOSTEROIDS, biosynthesis/ 17-KETOSTEROIDS, urine/ PREGNANCY/ PREGNANES, biosynthesis/ PREGNANES, urine/ *SQUALENE, metabolism/ TRITIUM/ UMBILICAL ARTERIES

332. **Bhavnani BR, Short RV:** Formation of steroids by the pregnant mare. IV. Metabolism of 14 C-mevalonic acid and 3 H-dehydroisoandrosterone injected into the fetal circulation. Endocrinology 92:1397-404, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *DEHYDROEPIANDROSTERONE, metabolism/ ESTRADIOL, urine/ ESTRONE, urine/ FEMALE/ FETUS/ HORSES/ 17-KETOSTEROIDS, urine/ MATERNAL-FETAL EXCHANGE/ *MEVALONIC ACID, metabolism/ PREGNANCY/ PREGNANEDIOL, urine/ PREGNANES, urine/ TRITIUM

333. **Bhown AS, Bhown M, Maitrya BB:** Alkaline phosphatase and thiocyanate levels in the blood of smokers.
Indian J Physiol Pharmacol 16:227-9, Jul-Sep 72
ADULT/ *ALKALINE PHOSPHATASE, blood/ HUMAN/ MALE/ *SMOKING/ *THIOCYANATES, blood

334. **Bianchi R, Mariani, Pilo A, et al:** Short-term determination of plasma protein turnover by a two-tracer technique using plasma only or plasma and urine data. Ciba Found Symp 9:47-72, 1972
ADULT/ *BLOOD PROTEINS, metabolism/ BLOOD VOLUME/ BODY WEIGHT/ COMPARATIVE STUDY/ CREATININE, blood/ HUMAN/ IODIDES, blood/ IODIDES, metabolism/ IODIDES, urine/ IODINE, blood/ IODINE, urine/ IODINE ISOTOPES/ KINETICS/ MALE/ MATHEMATICS/ METHODS/ MIDDLE AGE/ NEPHROSIS, metabolism/ PROTEIN BINDING/ *SERUM ALBUMIN, metabolism/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ UREMIA, metabolism/ URINE

335. **Biddulph DM, Hirsch PF:** Role of thyrocalcitonin in restricting hypercalcemia in the golden hamster. Endocrinology 92:1328-33, May 73
ANIMAL EXPERIMENTS/ CALCIUM/ CALCIUM, blood/ HAMSTERS/ HYPERCALCEMIA, chemically induced/ *HYPERCALCEMIA, drug therapy/ MALE/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE/ *THYROCALCITONIN, therapeutic use/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

336. **Bielecki M, Jóźwik M, Lazewska M, et al:** Aktywność erythropoetyczna łożyska ludzkiego.
Ginekol Pol 44:291-4, Mar 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ERYTHROPOIESIS/ FEMALE/ GESTATIONAL AGE/ IRON ISOTOPES/ MICE/ *PLACENTA, metabolism/ POLYCYTHEMIA, blood/ POLYCYTHEMIA, pathology/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, pathology/ SUBCELLULAR FRACTIONS

337. **Bieri JG:** Kinetics of tissue -tocopherol depletion and repletion. Ann NY Acad Sci 203:181-91, 18 Dec 72
ADIPOSE TISSUE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPIDIDYMIS/ KINETICS/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ NUTRITIONAL REQUIREMENTS/ RATS/ SPLEEN, metabolism/ TESTIS, metabolism/ VITAMIN E/ VITAMIN E, administration & dosage/ VITAMIN E, blood/ *VITAMIN E, metabolism/ VITAMIN E, therapeutic use/ VITAMIN E DEFICIENCY, drug therapy/ *VITAMIN E DEFICIENCY, metabolism

338. **Bierich JR:** Wachstumsstörungen im Kindesalter (Schluss.
Fortschr Med 90:1051-5 concl, 19 Oct 72 (Ger)
ADOLESCENCE/ CHILD/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GROWTH DISORDERS/ GROWTH DISORDERS, congenital/ *GROWTH DISORDERS, etiology/ *GROWTH DISORDERS, familial & genetic/ HUMAN/ INFANT/ MALE/ MOSAICISM/ PSEUDOHYPOPARATHYROIDISM, diagnosis/ TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, diagnosis

339. **Biggs AW:** Carcinoma of the bladder in a renal transplant patient. J Urol 109:417-8, Mar 73
AZATHIOPRINE, therapeutic use/ *BLADDER NEOPLASMS, diagnosis/ BLADDER NEOPLASMS, therapy/ *CARCINOMA, TRANSITIONAL CELL, diagnosis/ CARCINOMA, TRANSITIONAL CELL, therapy/ CYSTOSCOPY/ *KIDNEY, transplantation/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

340. **Biggs PM, Milne BS, Graf T, et al:** Oncogenicity of

non-transforming mutants of avian sarcoma viruses.
J Gen Virol 18:399-403, Mar 73
ANIMAL EXPERIMENTS/ AVIAN LEUKOSIS, etiology/ *CELL TRANSFORMATION, NEOPLASTIC/ CHICK EMBRYO/ CHICKENS/ FIBROBLASTS/ FIBROSARCOMA, etiology/ MAREK'S DISEASE, etiology/ *MUTATION/ NEOPLASMS, EXPERIMENTAL, etiology/ OSTEOPETROSIS, etiology/ ROUS SARCOMA VIRUS, growtb & development/ *ROUS SARCOMA VIRUS, patbogenicity/ SARCOMA, OSTEOGENIC, etiology/ TISSUE CULTURE

341. **Bilezikian JP, Pearson K, Powell D, et al:** Selective venous catbeterization of the neck: localization of a paratbyroid adenoma drained anomalously by nontbyroidal veins.
J Clin Endocrinol Metab 36:826-9, May 73
*ADENOMA, diagnosis/ ANGIOGRAPHY/ CATHETERIZATION/ FEMALE/ HUMAN/ MIDDLE AGE/ *PARATHYROID GLANDS, blood supply/ PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY/ VEINS

342. **Billard R, McDonald PG:** Inhibition of ovulation in the rat by intrabypotbalamic implants of an antioestrogen. J Endocrinol 56:585-90, Mar 73
ALKENES, pbarmacodynamics/ ANIMAL EXPERIMENTS/ DIENCEPHALON, physiology/ DIMETHYLAMINES, pbarmacodynamics/ *ESTRADIOL, pbysiology/ *ESTROGENS, antagonists & inhibitors/ ESTRUS/ FEEDBACK/ FEMALE/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, pbysiology/ *METHYLAMINES, pbarmacodynamics/ *OVULATION, drug effects/ PITUITARY GLAND, pbysiology/ RATS/ *STILBENES, pharmacodynamics

343. **Billiau A, De Somer P, De Maeyer E:** Current status and prospects for interferon.
Prog Immunobiol Stand 5:264-6, 1972
ACTINOMYCIN, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ ANTIVIRAL AGENTS, pharmacodynamics/ CELL MEMBRANE, metabolism/ CYCLOHEXIMIDE, pbarmacodynamics/ DEPRESSION, CHEMICAL/ *INTERFERON/ INTERFERON, biosyntbesis/ *INTERFERON INDUCERS, pharmacodynamics/ LEUKOCYTES, metabolism/ MICE/ MODELS, BIOLOGICAL/ MYCOPLASMA/ MYXOVIRUS/ POLY I-C, pbarmacodynamics/ STIMULATION, CHEMICAL

344. **Billingbam ME, Caves PK, Dong E Jr, et al:** The diagnosis of canine ortbotopic cardiac allograft rejection by transvenous endomyocardial biopsy.
Transplant Proc 5:741-3, Mar 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, pbarmacodynamics/ BIOPSY/ CYCLOPHOSPHAMIDE, pbarmacodynamics/ DOGS/ *ENDOCARDIUM, immunology/ GLUCOCORTICOIDS, pbarmacodynamics/ *GRAFT REJECTION, diagnosis/ *HEART, transplantation/ TRANSPLANTATION, HOMOLOGOUS

345. **Bindeballe W, Drenkhahn E, Jüsgen W, et al:** Der Einfluss der Hämodialyse auf den Hormonstatus bei terminaler Niereninsuffizienz.
Dtscb Med Wocbenschr 98:661-5, 20 Mar 73 (Ger)
ADOLESCENCE/ ADULT/ BLOOD PROTEINS/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ *HORMONES, blood/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ INSULIN, metabolism/ IODINE, blood/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, tberapy/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ SOMATOTROPIN, blood/ THYROXINE, blood/ TIME FACTORS

346. **Binder HJ, Rawlins CL:** Effect of conjugated dihydroxy bile salts on electrolyte transport in rat colon.
J Clin Invest 52:1460-6, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbysiology/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ *BILE ACIDS AND SALTS, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CHENODEOXYCHOLIC ACID, antagonists & inhibitors/ CHENODEOXYCHOLIC ACID, pbarmacodynamics/ *CHLORIDES, metaboli CHLORIDES, pharmacodynamics/ CHLORIN COLON, drug effects/ *COLON, metabolism DIARRHEA, etiology/ GLYCOCHOLIC ACI pharmacodynamics/ MALE/ MEMBRANE POTENTIALS, drug effects/ RADIOISOTOP RATS/ *SODIUM, metabolism/ SODIUM ISOTOPES/ TAUROCHOLIC ACID, antagon & inhibitors/ TAUROCHOLIC ACID, pbarmacodynamics/ THEOPHYLLINE, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics

347. **Bingel AS, Benoit PS:** Oral contraceptives: tberapeutics versus adverse reactions, witb outlook for tbe future. II.
J Pharm Sci 62:349-62, Mar 73 (280 ref.)
AMENORRHEA, chemically induced/ BLOO PROTEINS, metabolism/ BREAST NEOPLASMS, chemically induced/ CARBOHYDRATES, metabolism/ CERVIX UTERI, pathology/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects CONTRACEPTIVES, ORAL, therapeutic use FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERPLASIA, chemically induc HYPERTENSION, chemically induced/ JAUNDICE, chemically induced/ LACTATI DISORDERS, chemically induced/ LIPIDS, metabolism/ LIVER DISEASES, chemically induced/ NEOPLASMS, chemically induced/ NEOPLASMS, pathology/ PROTEINS, metabolism/ REVIEW/ TRIGLYCERIDES, blood

348. **Bingham KD, Shaw DA:** Tbe metabolism of testosterone by human male scalp skin.
J Endocrinol 57:111-21, Apr 73
ALOPECIA, metabolism/ ANDROSTANES, metabolism/ ANDROSTERONE, metabolism/ AUTORADIOGRAPHY/ CARBON ISOTOPES CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HUM 17-HYDROXYCORTICOSTEROIDS, metaboli IN VITRO/ MALE/ *SCALP, metabolism/ STANOLONE, metabolism/ STEROLS, metabolism/ *TESTOSTERONE, metabolism

349. **Bird A, Rogers E, Birnstiel M:** Is gene amplific RNA-directed?
Nature [New Biol] 242:226-30, 25 Apr 73
ANIMAL EXPERIMENTS/ BASE SEQUENC CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPH THIN LAYER/ DNA, analysis/ *DNA, biosyntbesis/ DNA, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GENETIC CODE/ NUCLE ACID HYBRIDIZATION/ OVARY, enzymol *REVERSE TRANSCRIPTASE, analysis/ RIFAMYCINS, pharmacodynamics/ RNA, analysis/ RNA, metabolism/ THYMIDINE, metabolism/ TRANSCRIPTION, GENETIC/ TRITIUM/ URIDINE, metabolism/ XENOPU

350. **Birge SJ, Alpers DH:** Stimulation of intestinal muc proliferation by vitamin D.
Gastroenterology 64:977-82, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL MOVEMENT, drug effects/ CHOLECALCIFEROL, administration & dos *CHOLECALCIFEROL, pharmacodynamics/ DIET/ DNA, biosyntbesis/ DUODENUM, metabolism/ INJECTIONS, INTRAVENOUS/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, cytology/ *INTESTINAL MUCOSA, drug effects/ JEJUNUM, metabolism/ RATS/ RICKETS, metabolism/ THYMIDINE, metabolism/ TI FACTORS/ TRITIUM

351. **Birmingham MK, Bartová A:** Effects of calcium and theophylline on ACTH- and dibutyryl cyclic AMP-stimulated steroidogenesis and glycolysis by intact mouse adrenal glands in vitro.
Endocrinology 92:743-9, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, antagonists & inhibitors/ DESOXYCORTICOSTERONE, pharmacodynamics/ *GLYCOLYSIS, drug effects/ HYDROXYLATION/ HYDROXYPROGESTERONE, pharmacodynamics/ IN VITRO/ LACTATES, biosynthesis/ MALE/ MICE/ *THEOPHYLLINE, pharmacodynamics

352. **Birnesser H, Reinauer H, Hollmann S:** Comparative study of enzyme activities degrading sorbitol, ribitol, xylitol and gluconate in guinea pig tissues.
Diabetologia 9:30-3, Feb 73
ADIPOSE TISSUE, enzymology/ ADONIS/ ALLOXAN DIABETES/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ DIABETES MELLITUS, enzymology/ DISEASE MODELS, ANIMAL/ GLUCONATES/ GUINEA PIGS/ KIDNEY, enzymology/ LIVER, enzymology/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ *OXIDOREDUCTASES, analysis/ OXIDOREDUCTASES, metabolism/ *PHOSPHOTRANSFERASES, analysis/ PHOSPHOTRANSFERASES, metabolism/ RATS/ SORBITOL/ SPLEEN, enzymology/ SUGAR ALCOHOLS/ TESTIS, enzymology/ XYLITOL

353. **Bischof-Delaloye A, Delaloye B:** Diagnostic des adénomes parathyroïdiens par l'exploration radioisotopique.
Strahlentherapie [Sonderb] 72:472-8, 1972 (Fre)
*ADENOMA, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ *PARATHYROID NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ SELENIUM, diagnostic use/ SUBTRACTION TECHNIC/ TECHNETIUM, diagnostic use

354. **Bizzi A, Codegoni AM, Medea A, et al:** Effects of antilipolytic agents on glucose utilization by adipose tissue. Biochem Pharmacol 22:763-8, 15 Mar 73
*ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ EPIDIDYMIS, metabolism/ *GLUCOSE, metabolism/ IN VITRO/ INSULIN, pharmacodynamics/ MALE/ *NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PYRAZOLES, pharmacodynamics/ RATS/ TIME FACTORS

355. **Bjarnason DF, Forrester DM, Swezey RL:** Destructive arthritis of the large joints. A rare manifestation of sarcoidosis. J Bone Joint Surg [Am] 55:618-22, Apr 73
ARTHRITIS, drug therapy/ *ARTHRITIS, etiology/ ARTHRITIS, pathology/ ARTHRITIS, radiography/ BIOPSY/ BONE MARROW CELLS/ CASE REPORT/ FEMALE/ GRANULATION TISSUE/ HUMAN/ KNEE, pathology/ KNEE, radiography/ *KNEE JOINT/ LYMPHOCYTES/ MIDDLE AGE/ PREDNISONE, therapeutic use/ *SARCOIDOSIS, complications/ SYNOVIAL MEMBRANE, pathology

356. **Björkhem I, Danielsson H:** Heterogeneity of hepatic mixed function oxidases.
Biochem Biophys Res Commun 51:766-74, 2 Apr 73
ANIMAL EXPERIMENTS/ BUFFERS/ CARBON ISOTOPES/ CHOLESTEROL, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROXYLATION/ IN VITRO/ MALE/ *MICROSOMES, LIVER, enzymology/ NAD, pharmacodynamics/ NADP, pharmacodynamics/ *OXIDOREDUCTASES, metabolism/ PALMITIC ACID, metabolism/ PHOSPHATES, pharmacodynamics/ POTASSIUM, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RATS/ TAUROCHOLIC ACID, metabolism/ TESTOSTERONE, metabolism/ THIOCYANATES, pharmacodynamics/ TRITIUM

357. **Björkhem I, Holmberg I:** Mechanism of enzymatic reduction of steroid double bonds.
Eur J Biochem 33:364-7, 1 Mar 73
CHOLESTEROL/ *CHOLESTEROL/ DEUTERIUM/ KETOSTEROIDS, metabolism/ KINETICS/ MALE/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ NADP/ *OXIDOREDUCTASES, metabolism/ *PROGESTERONE/ RATS/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

358. **Björklund A, Falck B, Lindvall O, et al:** New aspects on reaction mechanisms in the formaldehyde histofluorescence method for monoamines.
J Histochem Cytochem 21:17-25, Jan 73
*AMINES, chem synthesis/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES/ CHROMATOGRAPHY, THIN LAYER/ *FLUORESCENCE/ *FORMALDEHYDE/ *HISTOCYTOCHEMISTRY/ *INDOLES, chem synthesis/ MASS SPECTRUM ANALYSIS/ PANCREAS, cytology/ PINEAL BODY, cytology/ *PYRIDINES, chem synthesis/ RATS/ SEROTONIN/ TRYPTAMINES

359. **Björklund A, Håkanson R, Lindvall O, et al:** Fluorescence histochemical demonstration of peptides with NH 2 - or COOH-terminal tryptophan or dopa by condensation with glyoxylic acid.
J Histochem Cytochem 21:253-65, Mar 73
CATS/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, analysis/ *FLUORESCENCE/ FLUORESCENCE SPECTROMETRY/ GASTRIC MUCOSA, cytology/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ METHODS/ MICROCHEMISTRY/ MICROSCOPY, FLUORESCENCE/ *PEPTIDES, analysis/ PITUITARY GLAND, cytology/ PYLORIC ANTRUM, analysis/ RABBITS/ RATS/ *SPECTRUM ANALYSIS/ SWINE/ THYROID GLAND, cytology/ *TRYPTOPHAN, analysis

360. **Björklund A, Nobin A, Stenevi U:** Effects of 5,6-dihydroxytryptamine on nerve terminal serotonin and serotonin uptake in the rat brain.
Brain Res 53:117-27, 13 Apr 73
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, analysis/ *CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ CREATINE, administration & dosage/ DIENCEPHALON, analysis/ *DIENCEPHALON, drug effects/ DIENCEPHALON, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, administration & dosage/ METHODS/ MICROSCOPY, FLUORESCENCE/ NERVE ENDINGS, drug effects/ *NERVE ENDINGS, metabolism/ RATS/ *SEROTONIN, metabolism/ SPINAL CORD, analysis/ *SPINAL CORD, drug effects/ SPINAL CORD, metabolism/ TRITIUM/ *TRYPTAMINES, pharmacodynamics

361. **Björkstén B, Solhèim F:** Oral contraceptives and the N.B.T. test. Lancet 1:830-1, 14 Apr 73
*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ PREGNANCY/ *PREGNANCY TESTS/ *TETRAZOLIUM SALTS, diagnostic use

362. **Björnberg A:** Fifteen cases of toxic epidermal necrolysis (Lyell).
Acta Derm Venereol (Stockh) 53:149-52, 1973
ADULT/ AGED/ *CORTISONE, therapeutic use/ EPIDERMAL NECROLYSIS, TOXIC, complications/ EPIDERMAL NECROLYSIS, TOXIC, diagnosis/ *EPIDERMAL NECROLYSIS, TOXIC, drug therapy/ EPIDERMAL NECROLYSIS, TOXIC, mortality/ EPIDERMAL NECROLYSIS, TOXIC, physiopathology/ FEMALE/ HUMAN/ INFANT/

INFECTION/ MALE/ MIDDLE AGE/ *PENICILLIN, therapeutic use/ PROGNOSIS/ *TETRACYCLINE, therapeutic use

363. **Björntorp P:** Disturbances in the regulation of food intake. Obesity: anatomic and physiologic-biochemical observations.
Adv Psychosom Med 7:116-27, 1972 (123 ref.)
ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ADIPOSE TISSUE, pathology/ ADRENAL GLANDS, secretion/ *APPETITE REGULATION/ GLUCOSE, metabolism/ HUMAN/ INSULIN, secretion/ INSULIN RESISTANCE/ LIPID MOBILIZATION/ LIPOPROTEIN LIPASE, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ OBESITY, metabolism/ OBESITY, pathology/ *OBESITY, physiopathology/ PANCREAS, secretion/ REVIEW/ THYROID GLAND, secretion

364. **Black J, Williams DI:** Natural history of adrenal haemorrhage in the newborn.
Arch Dis Child 48:183-90, Mar 73
*ADRENAL GLAND DISEASES, etiology/ ADRENAL GLAND DISEASES, therapy/ ADRENAL GLANDS, blood supply/ ANOXIA, complications/ ANTIBIOTICS, therapeutic use/ BIRTH WEIGHT/ BLOOD COAGULATION DISORDERS, complications/ BLOOD TRANSFUSION/ CALCINOSIS, complications/ FEMALE/ FETAL DISEASES, complications/ *HEMORRHAGE, etiology/ HEMORRHAGE, therapy/ HUMAN/ HYPERTENSION, RENAL/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, etiology/ MALE/ SEPTICEMIA, complications/ THROMBOEMBOLISM, complications/ THROMBOPENIA, complications/ THROMBOPHLEBITIS, complications/ UROGRAPHY

365. **Black VH, Bogart BI:** Peroxisomes in inner adrenocortical cells of fetal and adult guinea pigs.
J Cell Biol 57:345-58, May 73
ACID PHOSPHATASE, isolation & purification/ *ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CULTURE MEDIA/ DIMETHYLAMINOAZOBENZENE/ ENDOPLASMIC RETICULUM/ FEMALE/ FETUS/ GOLGI APPARATUS, enzymology/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ MALE/ MICROBODIES/ MICROSCOPY, ELECTRON/ *ORGANOIDS/ POLYRIBOSOMES/ PREGNANCY/ RIBOSOMES

366. **Black WP, Govan AD:** Laparoscopy and ovarian biopsy for the assessment of secondary amenorrhea.
Am J Obstet Gynecol 114:739-47, 15 Nov 72
ADENOMA, radiotherapy/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, diagnosis/ *AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ ANOREXIA NERVOSA, complications/ BIOPSY/ CHIARI-FROMMEL SYNDROME, complications/ CHROMOSOMES, analysis/ CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *LAPAROSCOPY/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MENOPAUSE/ MIDDLE AGE/ OVARIAN DISEASES, complications/ *OVARY, pathology/ PITUITARY GLAND IRRADIATION, adverse effects/ PITUITARY NEOPLASMS, radiotherapy/ RADIOTHERAPY, adverse effects

367. **Blackburn BJ, Lapper RD, Smith IC:** A proton magnetic resonance study of the conformations of 3',5'-cyclic nucleotides. J Am Chem Soc 95:2873-8, 2 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ *THYMINE NUCLEOTIDES

368. **Blackburn WR, Kelly JS, Dickman PS, et al:** The role of the pituitary-adrenal-thyroid axes in lung differentiation. II. Biochemical studies of developing lung in anencephalic fetal rats.
Lab Invest 28:352-60, Mar 73
*ADRENAL GLANDS, physiology/ AMNIOTIC FLUID, analysis/ ANENCEPHALUS, pathology/ ANIMAL EXPERIMENTS/ CELL COUNT/ *CELL DIFFERENTIATION/ DNA, analysis/ GLYCOGEN, analysis/ LECITHINS, analysis/ LIPIDS, analysis/ LUNG, analysis/ LUNG, cytology/ *LUNG, embryology/ LUNG, pathology/ ORGAN WEIGHT/ PHOSPHOLIPIDS, analysis/ *PITUITARY GLAND, physiology/ PROTEINS, analysis/ PULMONARY SURFACTANT/ RATS/ RNA, analysis/ *THYROID GLAND, physiology

369. **Blahníková L, Horký J:** Ovlivnění proteinového metabolismu anabolickými steroidy při různém obsahu bílkovin v dietě nemocných chronickou hepatopatií.
Cesk Gastroenterol Vyz 27:121-7, Apr 73 (Cze)
ADMINISTRATION, ORAL/ ADULT/ ANABOLIC STEROIDS, administration & dosage/ *ANABOLIC STEROIDS, metabolism/ CHRONIC DISEASE/ *DIETARY PROTEINS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS/ *LIVER DISEASES, metabolism/ MALE/ MIDDLE AGE/ NANDROLONE, metabolism/ NITROGEN, metabolism

370. **Blähser S:** Untersuchungen über den Einfluss der Grundkost und des alimentären Tocopherol-Ubichinonmangels bei der Ratte. I. Calcium, anorganischer Phosphor und Gesamtstickstoff im Knochen.
Z Tierphysiol 30:337-43, Jan 73 (Ger)
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ MALE/ NITROGEN, metabolism/ PHOSPHORUS, metabolism/ RATS/ *THYROID GLAND, physiology/ *UBIQUINONE, metabolism/ *VITAMIN E, metabolism/ VITAMIN E DEFICIENCY, metabolism

371. **Blaim A, Pultorak M, Woynarowska B, et al:** Analiza dynamiki rozwoju dzieci we wczesnej fazie pokwitania.
Ginekol Pol 44:283-9, Mar 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ *BODY CONSTITUTION/ CHILD/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ PHYSICAL FITNESS/ *PUBERTY/ *SEX CHARACTERISTICS

372. **Blake CA, Norman RL, Sawyer CH:** Validation of an ovine--ovine LH radioimmunoassay for use in the hamster. Biol Reprod 8:299-305, Apr 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ FSH, administration & dosage/ HAMSTERS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ IODINE ISOTOPES/ *LH, blood/ MALE/ METHODS/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ SPECIES SPECIFICITY/ THYROTROPIN, administration & dosage

373. **Blake CA, Norman RL, Scaramuzzi RJ, et al:** Inhibition of the proestrous surge of prolactin in the rat by nicotine. Endocrinology 92:1334-8, May 73
ANIMAL EXPERIMENTS/ CATHETERIZATION/ *ESTRUS/ FEMALE/ LH, blood/ *NICOTINE, pharmacodynamics/ OVULATION/ PLASMA/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

374. **Blake CA, Scaramuzzi RJ, Norman RL, et al:** Effects of hypothalamic deafferentation on circulating levels of LH, FSH, prolactin and testosterone in the male rat.

Endocrinology 92:1419-25, May 73
ANIMAL EXPERIMENTS/ *FSH, blood/ *HYPOTHALAMUS, innervation/ LH, analysis/ *LH, blood/ MALE/ NEURONS, AFFERENT, physiology/ PITUITARY GLAND, analysis/ PROLACTIN, analysis/ *PROLACTIN, blood/ PROSTATE, pathology/ RATS/ SEMINAL VESICLES, pathology/ *TESTOSTERONE, blood

375. **Blanc M, Geissmann P, Chanseau JC:** Le déséquilibré: hypothéses pathogéniques.
Rev Prat 22:3507-15, 11 Oct 72 (Fre)
EGO/ ELECTROENCEPHALOGRAPHY/ GENETICS, BEHAVIORAL/ MENTAL DISORDERS, enzymology/ MENTAL DISORDERS, etiology/ PARENT-CHILD RELATIONS/ PERSONALITY DISORDERS, etiology/ PSYCHOPATHOLOGY, history/ SEX CHROMOSOME ABNORMALITIES, complications/ SPECIAL LIST FOREIGN

376. **Blanco Sancho R, Cler F, Valverde J:** Adenoma cromófoho y esterilidad.
Acta Obstet Ginecol Hisp Lusit 20:269-80, Nov 72 (Spa)
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, diagnosis/ ADULT/ FEMALE/ HUMAN/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PREGNANCY/ STERILITY, FEMALE, diagnosis/ *STERILITY, FEMALE, etiology

377. **Blanquet P, Ducassou G:** Etude radio-isotopique du fonctionnement thyroidien.
Bord Med 5:2310-4, Nov 72 (Fre)
HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS

378. **Blau K:** An automated fluorometric method for the determination of 5-hydroxytryptamine in extracts from biological materials.
Anal Biochem 52:314-7, Mar 73
AUTOANALYSIS/ FLUOROMETRY/ INDENES/ INDICATORS AND REAGENTS/ KETONES/ METHODS/ *SEROTONIN, analysis/ *TISSUE EXTRACTS, analysis

379. **Blekherman NA, Il'ina VI:** Deiaki zminy funktsii laiechnykiv u zhinok, iaki perebuvaiut' v kontakti z khlororhanichnymy spolukamy.
Pediatriia 52:57-9, Feh 73 (Ukr)
ADULT/ ENVIRONMENTAL EXPOSURE/ ESTROGENS, secretion/ FEMALE/ HUMAN/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ MENSTRUATION, drug effects/ MIDDLE AGE/ *OVARY, drug effects

380. **Blencke B, Schneider HH:** Beitrag zum Albright-Syndrom. Chirurg 44:185-8, Apr 73 (Ger)
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, diagnosis/ ENDOCRINE DISEASES, radiography/ ENDOCRINE DISEASES, therapy/ FEMALE/ FIBROUS DYSPLASIA OF BONE, complications/ *FIBROUS DYSPLASIA OF BONE, diagnosis/ FIBROUS DYSPLASIA OF BONE, pathology/ FIBROUS DYSPLASIA OF BONE, radiography/ FIBROUS DYSPLASIA OF BONE, therapy/ FRACTURES, SPONTANEOUS, etiology/ HUMAN/ PIGMENTATION DISORDERS, complications/ PIGMENTATION DISORDERS, diagnosis/ PIGMENTATION DISORDERS, pathology/ PIGMENTATION DISORDERS, therapy/ PROGNOSIS/ SYNDROME

381. **Blichfeldt P:** Behandling av leddgikt. Retningslinjer for medikamentell og fysikalsk-medisinsk behandling.
Tidsskr Nor Laegeforen 93:529-33, 20 Mar 73 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, therapy/ ENGLISH ABSTRACT/ EXERCISE THERAPY/ HUMAN/ OSMIUM, therapeutic use/ PHYSICAL THERAPY/ SALICYLATES, therapeutic use

382. **Blincoe C, Lesperance AL, Bohman VR:** Bone magnesium, calcium and strontium concentrations in range cattle. J Anim Sci 36:971-5, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ *CALCIUM, analysis/ *CATTLE, metabolism/ ENVIRONMENT/ *MAGNESIUM, analysis/ NEVADA/ *STRONTIUM, analysis

383. **Blinick G, Wallach RC:** The second-look operation in ovarian carcinoma. Prog Clin Cancer 5:219-25, 1973
ADULT/ AGED/ CASTRATION/ CYSTADENOCARCINOMA, drug therapy/ *CYSTADENOCARCINOMA, surgery/ FALLOPIAN TUBES, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYSTERECTOMY/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, surgery/ OVARY, surgery

384. **Bliss DK, Bates PL:** Choice intake of saline and water in pinealectomized rats under diurnal or constant lighting conditions. Physiol Behav 9:429-33, Sep 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *CIRCADIAN RHYTHM/ DARKNESS/ DIET, SALT-FREE/ *DRINKING/ DRINKING BEHAVIOR/ HOUSING, ANIMAL/ *LIGHT/ MALE/ *PINEAL BODY, physiology/ RATS/ *SODIUM CHLORIDE/ WATER/ WATER-ELECTROLYTE BALANCE

385. **Bloch L, Stein JA:** [Effects of progesterone on DNA synthesis hy human endometrial carcinoma cells in vitro]
Harefuah 83:543-6, 15 Dec 72 (Heb)
ADULT/ AGED/ DNA, NEOPLASM, antagonists & inhibitors/ *DNA, NEOPLASM, biosynthesis/ *ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IN VITRO/ METHODS/ MIDDLE AGE/ *PROGESTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM/ *UTERINE NEOPLASMS, metabolism

386. **Bloch S:** Nidation induced in mice during the lactational delay hy the presence of strange males.
J Endocrinol 57:185-6, Apr 73
ANIMAL EXPERIMENTS/ ESTROGENS, physiology/ FEMALE/ *LACTATION/ MALE/ MICE/ *NIDATION/ *ODORS/ PREGNANCY/ TIME FACTORS

387. **Block AJ, Light RW:** Alternate day steroid therapy in diffuse pulmonary sarcoidosis.
Chest 63:495-504, Apr 73
ADULT/ BIOPSY/ CARBON DIOXIDE/ DYSPNEA, diagnosis/ FEMALE/ HUMAN/ LUNG, pathology/ *LUNG DISEASES, drug therapy/ LUNG DISEASES, radiography/ MALE/ OXYGEN/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PRESSURE/ RESPIRATORY FUNCTION TESTS/ SARCOIDOSIS, diagnosis/ *SARCOIDOSIS, drug therapy/ SARCOIDOSIS, radiography/ SPIROMETRY/ VITAL CAPACITY

388. **Block LH, Patel RN:** Solubility and dissolution of triamcinolone acetonide. J Pharm Sci 62:617-21, Apr 73
POTASSIUM CHLORIDE/ SOLUBILITY/ SOLUTIONS/ TEMPERATURE/ *TRIAMCINOLONE ACETONIDE/ TRIAMCINOLONE ACETONIDE, analysis/ WATER

389. **Bloom FE:** Amino acids and polypeptides in neuronal function.
Neurosci Res Program Bull 10:121-251, May 72 (435 ref.)
ALKALOIDS, pharmacodynamics/ *AMINO ACIDS, physiology/ AMINOBUTYRIC ACID, antagonists & inhibitors/ AMINOBUTYRIC ACID, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ AMINOBUTYRIC ACID, physiology/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CEREBELLAR NUCLEI, physiology/ CEREBRAL CORTEX, metabolism/ DIOXOLES, pharmacodynamics/ GLUTAMATES, physiology/ GLYCINE, physiology/ HORMONES, physiology/ HYPOTHALAMUS,

physiology/ INHIBITION, NEURAL/ INTERNEURONS, physiology/ ISOQUINOLINES, pharmacodynamics/ *NEURAL TRANSMISSION/ NEUROMUSCULAR JUNCTION, physiology/ NEURONS, drug effects/ *PEPTIDES, physiology/ PITUITARY HORMONE RELEASING FACTORS, metabolism/ PURKINJE CELLS, physiology/ RECEPTORS, DRUG/ REVIEW/ SPINAL CORD, physiology/ SYNAPTOSOMES, metabolism/ TRITIUM

390. Bloor CM, White FC, Sobel BE: Coronary and systemic haemodynamic effects of prostaglandins in the unanaesthetized dog. Cardiovasc Res 7:156-66, Mar 73
ANIMAL EXPERIMENTS/ AORTA/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *CORONARY CIRCULATION, drug effects/ CORONARY VESSELS/ DOGS/ HEART ATRIUM/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ MYOCARDIUM, metabolism/ OXYGEN CONSUMPTION, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ PULMONARY CIRCULATION/ VASCULAR RESISTANCE, drug effects

391. Blum C, Cornette C, Beckers C: Effect of insulin induced hypoglycaemia on thyroid function and thyroxine turnover. Eur J Clin Invest 3:124-9, Mar 73
ADULT/ FEMALE/ HUMAN/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, metabolism/ INSULIN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, metabolism/ THYROXINE, blood/ *THYROXINE, metabolism

392. Blum M, Chandra R, Drucker WD: Measurement of serum thyroxine by the Tetralute procedure: the effect of 131 I and 99m Tc administration.
J Nucl Med 14:279-82, May 73
CEREBROVASCULAR DISORDERS, diagnosis/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, blood/ *IODINE ISOTOPES, therapeutic use/ RADIOISOTOPE SCANNING/ TECHNETIUM, blood/ *TECHNETIUM, diagnostic use/ *THYROXINE, blood/ TIME FACTORS

393. Blumenfeld M, Forrest HS: Differential under-replication of satellite DNAs during Drosophila development. Nature [New Biol] 239:170-2, 11 Oct 72
ADENINE NUCLEOTIDES, analysis/ ANIMAL EXPERIMENTS/ DNA, analysis/ *DNA REPLICATION/ DROSOPHILA, embryology/ *DROSOPHILA, growth & development/ DROSOPHILA MELANOGASTER, growth & development/ FEMALE/ KARYOTYPING/ MALE/ NUCLEIC ACID CONFORMATION/ NUCLEOTIDES, analysis/ PUPA/ SEX CHROMOSOMES/ THYMINE NUCLEOTIDES, analysis

394. Blumenkrantz N, Calamera JC: L'effet de PMS et HCG sur le contenu en acide ascorbique testiculaire chez Bufo arenarum Hensel.
C R Soc Biol (Paris) 166:1212, 1972 (Fre)
ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ BUFO ARENARUM/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ TESTIS, drug effects/ *TESTIS, metabolism

395. Blumstein GI: Drug treatment of allergies. I. The pathophysiologic basis of allergy.
Semin Drug Treat 2:353-65, Spring 73 (15 ref.)
ANAPHYLAXIS/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ BRADYKININ, physiology/ HISTAMINE, physiology/ HISTAMINE LIBERATION/ HUMAN/ HYPERSENSITIVITY, classification/ HYPERSENSITIVITY, drug therapy/ HYPERSENSITIVITY, familial & genetic/ *HYPERSENSITIVITY, immunology/ HYPERSENSITIVITY, physiopathology/ HYPERSENSITIVITY, DELAYED/ IMMUNITY/ PROSTAGLANDINS, physiology/ REVIEW/ SEROTONIN, physiology/ SRS-A, physiology

396. Blunt A: The place of laparoscopy in "normal" gynaecological practice.
Aust NZ J Obstet Gynaecol 12:194-7, Aug 72
ADNEXITIS, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ ENDOMETRIOSIS, diagnosis/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ *LAPAROSCOPY/ LAPAROSCOPY, adverse effects/ MALE/ MIDDLE AGE/ OVARIAN CYSTS, diagnosis/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ STEIN-LEVENTHAL SYNDROME, diagnosis/ STERILITY, FEMALE, diagnosis/ UTERINE NEOPLASMS, diagnosis

397. Boas C van E: Cyproteronacetate in sexualogical outpatient practice.
Psychiatr Neurol Neurochir 76:151-4, Mar-Apr 73
ACETATES, therapeutic use/ ADULT/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, therapeutic use/ HUMAN/ *LIBIDO, drug effects/ MALE/ MIDDLE AGE/ *PREGNADIENES, therapeutic use/ SEX BEHAVIOR, drug effects/ *SEX DEVIATION, drug therapy

398. Boasberg P: Estrogen-induced hypercalcemia.
JAMA 224:1190, 21 May 73
*BREAST NEOPLASMS, drug therapy/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *HYPERCALCEMIA, chemically induced/ NEOPLASM METASTASIS/ PROGNOSIS

399. Bob HB: Hypocalcemia following thyroidectomy.
Del Med J 45:125-7, May 73
ADULT/ ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, surgery/ *HYPOCALCEMIA, etiology/ LACTATE DEHYDROGENASE, blood/ MIDDLE AGE/ PREOPERATIVE CARE/ *THYROIDECTOMY, adverse effects

400. Bobek S, Kahl S: Wpływ anionu nadchloranowego i tiocyjankowego na zachowanie się PBI i wiązanie egzogennej 125 J-tyroksyny przez hialka osocza krwi i mięsień przeponowy szczura. Badania in vivo i in vitro
Endokrynol Pol 24:21-31, Jan-Feb 73 (Pol)
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ *DIAPHRAGM, drug effects/ ENGLISH ABSTRACT/ IODINE/ IODINE ISOTOPES/ *PERCHLORIC ACIDS, pharmacodynamics/ *PROTEIN BINDING, drug effects/ RATS/ *THIOCYANATES, pharmacodynamics/ *THYROXINE, metabolism/ TIME FACTORS

401. Bochenkova IaK: Izuchenie polovogo khromatina pri semeinoi oligofrenii.
Zh Nevropatol Psikhiatr 72:1361-5, 1972 (Rus)
ADOLESCENCE/ ASPHYXIA NEONATORUM, complications/ BRAIN DAMAGE, CHRONIC, complications/ BRAIN DISEASES, complications/ BRAIN INJURIES, ACUTE, complications/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MENTAL RETARDATION, etiology/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMATIN/ SEX FACTORS

402. Bock KD, Bohle A: Perakut verlaufende primäre maligne Nephrosklerose mit irreversiblem Nierenversagen und maligner Hypertonie nach Ovulationshemmern.
Dtsch Med Wochenschr 98:757-61, 13 Apr 73 (Ger)
ADULT/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CHLORMADINONE, adverse effects/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, MALIGNANT, chemically

induced/ HYPERTENSION, MALIGNANT, pathology/ HYPERTENSION, MALIGNANT, therapy/ KIDNEY, pathology/ KIDNEY FAILURE, ACUTE, chemically induced/ NEPHRECTOMY/ *NEPHROSCLEROSIS, chemically induced/ NEPHROSCLEROSIS, pathology/ NEPHROSCLEROSIS, therapy/ NORGESTREL, adverse effects/ PREDNISONE, therapeutic use/ RENAL ARTERY, pathology

403. **Bock RD, Wainer H, Petersen A, et al:** A parameterization for individual human growth curves.
Hum Biol 45:63-80, Feb 73
ADOLESCENCE/ ANALYSIS OF VARIANCE/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GROWTH/ HUMAN/ INFANT/ MALE/ MODELS, BIOLOGICAL/ PUBERTY/ SEX FACTORS/ TIME FACTORS

404. **Böcker R, Forst H:** Grosses, nicht hormonaktives Nebennierenrindenadenom.
Urologie [A] 12:74-6, Mar 73 (Ger)
*ADENOMA/ ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA, radiography/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ RADIOISOTOPE RENOGRAPHY/ RADIOISOTOPE SCANNING

405. **Boczkowski K:** Postępowanie i terapia w męskim hermafrodytyzmie. Ginekol Pol 44:353-5, Apr 73 (Pol)
AGE FACTORS/ FEMALE/ HERMAPHRODITISM, surgery/ *HERMAPHRODITISM, therapy/ HUMAN/ KARYOTYPING/ PSYCHOSEXUAL DEVELOPMENT/ SEX DETERMINATION

406. **Bode HH, Danon M, Weintraub BD, et al:** Partial target organ resistance to thyroid hormone.
J Clin Invest 52:776-82, Apr 73
CHILD/ CHLORPROMAZINE, therapeutic use/ *GOITER, blood/ GOITER, drug therapy/ GOITER, familial & genetic/ HUMAN/ IODINE ISOTOPES/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ PEDIGREE/ PREDNISONE, therapeutic use/ PROPRANOLOL, therapeutic use/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, therapeutic use

407. **Bogdanov IL, Vashchenko MA, Sil'chenko VI, et al:** Dinamika allergicheskikh pokazateleĭ pri nekotorykh virusnykh i bakterial'nykh nefroinfektsiiakh.
Vrach Delo 12:122-5, Dec 72 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFECTION/ NERVOUS SYSTEM DISEASES, drug therapy/ *NERVOUS SYSTEM DISEASES, immunology/ *PREDNISOLONE, therapeutic use

408. **Bogdanovich M, Davidiuk V:** Pokazateli vodno-solevoi proby u bol'nykh miomoi matki.
Akush Ginekol (Mosk) 49:19-20, Jan 73 (Rus)
AMINOPEPTIDASES, blood/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *LEIOMYOMA, metabolism/ OXYTOCIN, blood/ *UTERINE NEOPLASMS, metabolism/ *WATER-ELECTROLYTE BALANCE

409. **Boggan WO, Seiden LS:** 5-Hydroxytryptophan reversal of reserpine enhancement of audiogenic seizure susceptibility in mice. Physiol Behav 10:9-12, Jan 73
*ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN CHEMISTRY, drug effects/ *CONVULSIONS/ DOPA DECARBOXYLASE, antagonists & inhibitors/ DOPAMINE, analysis/ FEMALE/ HYDRAZINES, pharmacodynamics/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ MICE/ MICE, INBRED DBA/ NOREPINEPHRINE, analysis/ *RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ SEROTONIN, metabolism/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ STIMULATION, CHEMICAL

410. **Bogin IuN, Finikova TA, Rozhdestvenskaia ZA, et al:** Termografiia v kompleksnom obsledovanii bol'nykh s zabolevaniiami shchitovidnoĭ zhelezy.
Klin Med (Mosk) 50:130-3, Oct 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *THERMOGRAPHY/ *THYROID DISEASES, diagnosis

411. **Bohn H:** Detection, characterization and diagnostic significance of human pregnancy-associated glycoproteins. Biut 26:205-9, Mar 73
BLOOD DONORS/ CONTRACEPTIVES, ORAL/ ESTRADIOL/ FEMALE/ GEL DIFFUSION TESTS/ *GLYCOPROTEINS, blood/ HORMONES/ HUMAN/ *PREGNANCY/ PROTEIN BINDING/ STEROIDS/ TESTOSTERONE

412. **Bohus B, Gispen WH, De Wied D:** Effect of lysine vasopressin and ACTH 4-10 on conditioned avoidance behavior of hypophysectomized rats.
Neuroendocrinology 11:137-43, 1973
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ *CONDITIONING (PSYCHOLOGY), drug effects/ *CORTICOTROPIN, pharmacodynamics/ ELECTROSHOCK/ *PITUITARY GLAND, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *VASOPRESSIN, pharmacodynamics

413. **Boiarintseva TIa, Grushiavskiĭ GL:** Lechenie fonoforezom gidrokortiona nekotorykh zabolevaniĭ oporno-dvigatel'nogo aparata.
Vrach Delo 11:119-20, Nov 72 (Rus)
BONE DISEASES, therapy/ FEMALE/ *FOOT DISEASES, therapy/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ *IONTOPHORESIS/ *JOINT DISEASES, therapy/ MALE

414. **Bojanowicz K, Mroszczyk M, Polcer J, et al:** Príčny inaktivity ulkusovej chorohy pri opuchoch.
Bratisl Lek Listy 59:449-54, Apr 73 (Slo)
ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, metabolism/ CHOLESTEROL, metabolism/ *EDEMA, metabolism/ ENGLISH ABSTRACT/ EXUDATES AND TRANSUDATES, metabolism/ HUMAN/ *PEPTIC ULCER, etiology/ PEPTIC ULCER, metabolism/ WATER-ELECTROLYTE BALANCE

415. **Boler J:** "Releasing"-hormonenes kjemi. Historikk og nyeste utvikling.
Tidsskr Nor Laegeforen 92:2154-60, 20 Nov 72 (Nor)
CORTICOTROPIN RELEASING FACTOR/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ FSH/ *HYPOTHALAMUS, metabolism/ LH/ MSH/ NEUROSECRETION/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS/ SOMATOTROPIN/ STIMULATION, CHEMICAL/ THYROTROPIN/ THYROTROPIN RELEASING FACTOR

416. **Bolhuis GK, Lerk CF, Zuurman K:** Comparison of the accuracy of different types of dissolution rate methods. Pharm Weekbl 108:49-53, 19 Jan 73
ASPIRIN/ DELAYED-ACTION PREPARATIONS/ *DRUG COMPOUNDING, standards/ INTESTINAL ABSORPTION/ METHODS/ PREDNISONE/ *SOLUBILITY/ TABLETS/ TABLETS, ENTERIC-COATED

417. **Bollengier WE, Eisenfeld AJ, Gardner WU:** Accumulation of 3 H-estradiol in transplanted interstitial cell tumors in mice.
J Natl Cancer Inst 50:195-200, Jan 73

ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, metabolism/ FEMALE/ HYPOPHYSECTOMY/ *LEYDIG CELL TUMOR, metabolism/ MALE/ MICE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ PITUITARY GLAND, physiology/ SEX FACTORS/ *TESTICULAR NEOPLASMS, metabolism/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM

418. **Bolliger AA, Walker H:** Vergleichsstudie bei 25 gleichzeitig an beiden unteren Extremitäten Operierten bezüglich Narbenkosmetik unter Applikation von (Phleholan-Spray.
Praxis 62:600-4, 8 May 73 (Ger)
AEROSOLS/ *CICATRIX, drug effects/ *DIMETHYL SULFOXIDE, therapeutic use/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LEG, blood supply/ *LEG, surgery/ MALE/ *PHENYLBUTAZONE, therapeutic use/ *PREDNISOLONE, therapeutic use/ *RUTIN, therapeutic use/ VARICOSE VEINS, surgery/ *WOUND HEALING, drug effects

419. **Bollinger TE, Hiatt WR:** Basal-cell adenoma of the upper lip. Report of a case. Oral Surg 35:600-5, May 73
*ADENOMA, BASOPHILIC/ ADENOMA, BASOPHILIC, pathology/ ADENOMA, BASOPHILIC, surgery/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *LIP NEOPLASMS/ LIP NEOPLASMS, pathology/ LIP NEOPLASMS, surgery/ MALE

420. **Bolte A, Salzmann FH, Schlensker KH:** Zur pränatalen Bestimmung des fetalen Reifegrades.
Fortschr Med 91:67-70, 18 Jan 73 (Ger)
ECHOENCEPHALOGRAPHY/ ELECTROCARDIOGRAPHY/ FETAL HEART/ FETUS, growth & development/ *GESTATIONAL AGE/ HUMAN/ METHODS/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY

421. **Bond PA:** The uptake of -(3 H)aminohutyric acid by slices from various regions of rat brain and the effect of lithium. J Neurochem 20:511-7, Feb 73
AMINOBUTYRIC ACID, administration & dosage/ *AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, PAPER/ CORPUS STRIATUM, metabolism/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ IN VITRO/ KIDNEY, metabolism/ KINETICS/ *LITHIUM, pharmacodynamics/ MALE/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ PONS, metabolism/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS/ TRITIUM

422. **Bondani A, Olmedo-Zorrilla M:** Acción de la tetrodoxina y tetracaína en las contracciones del útero de rata (in vitro) producidas por ocitocina, prostaglandina E 1 y E 2.
Arch Invest Med (Mex) 3:Suppl 1:213-28, 1972 (Spa)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *TETRACAINE, pharmacodynamics/ *TETRODOTOXIN, pharmacodynamics/ *UTERUS, drug effects

423. **Bondar' MV, Mal'chenko GO, Chashchina AP:** Do pytannia pro hipervitaminoz D u ditef hrudnoho viku.
Pediatr Akush Ginekol 5:27-9, Oct 72 (Ukr)
FEMALE/ HUMAN/ INFANT/ MALE/ POISONING, diagnosis/ *VITAMIN D, poisoning

424. **Bonn G, Lecoq PJ, Dhermy P, et al:** A propos d'un cas d'exophtalmie au cours d'un syndrome lymphocytaire généralisé.
Bull Soc Ophtalmol Fr 72:177-82, Feb 72 (Fre)
AGED/ *EXOPHTHALMOS, etiology/ *EYE MANIFESTATIONS/ FEMALE/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, complications/ *LYMPHOMA, complications/ LYMPHOMA, diagnosis/ LYMPHOSARCOMA, complications

425. **Bonte FJ, McConnell RW:** Pulmonary metastases from differentiated thyroid carcinoma demonstrable only by nuclear imaging. Radiology 107:585-90, Jun 73
ADENOCARCINOMA/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ ADOLESCENCE/ ADULT/ CARCINOMA, PAPILLARY/ CARCINOMA, PAPILLARY, radiotherapy/ CARCINOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *LUNG NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *RADIOISOTOPE SCANNING/ RADIOTHERAPY DOSAGE/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

426. **Boorman GA, Hollander CF:** Spontaneous lesions in the female WAG-Rij (Wistar) rat.
J Gerontol 28:152-9, Apr 73
ADENOMA, veterinary/ ADENOMA, CHROMOPHOBE, veterinary/ ADRENAL GLAND NEOPLASMS, veterinary/ AGING/ ANIMAL EXPERIMENTS/ CARCINOMA, veterinary/ ENDOCARDIUM, pathology/ FEMALE/ LIVER, pathology/ LONGEVITY/ MAMMAE/ MESOTHELIOMA, veterinary/ MYOCARDIUM, pathology/ NEOPLASM METASTASIS/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ NEOPLASMS, MULTIPLE PRIMARY, veterinary/ PANCREAS, pathology/ PITUITARY NEOPLASMS, veterinary/ PLEURAL NEOPLASMS, veterinary/ RATS/ *RATS, INBRED STRAINS/ *RODENT DISEASES, pathology/ THYROID NEOPLASMS, veterinary

427. **Booth WD:** The occurrence of testosterone and 5 -dihydrotestosterone in the submaxillary salivary gland of the boar. J Endocrinol 55:119-25, Oct 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ MALE/ MASS SPECTRUM ANALYSIS/ SEX FACTORS/ *STANOLONE, analysis/ *SUBMANDIBULAR GLAND, analysis/ *SWINE, metabolism/ *TESTOSTERONE, analysis

428. **Boquist L:** Follicles in human parathyroid glands.
Lab Invest 28:313-20, Mar 73
CYTOPLASM/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, SECONDARY, pathology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *PARATHYROID GLANDS, pathology

429. **Borgaonkar DS:** Normal banded karyotype in Noonan syndrome. Lancet 1:1114, 19 May 73
FEMALE/ HUMAN/ *KARYOTYPING/ MALE/ *SEX CHROMOSOME ABNORMALITIES

430. **Borger ML, Sink JD, Wilson LL, et al:** Zeranol and dietary protein level effects on DNA, RNA and protein composition of three muscles and the relationship to serum insulin and GH levels of steers.
J Anim Sci 36:712-5, Apr 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ *DIETARY PROTEINS, metabolism/ DNA, analysis/ *ESTROGENS, pharmacodynamics/ *INSULIN, blood/ INTERCOSTAL MUSCLES, analysis/ LACTONES, pharmacodynamics/ LIPIDS, analysis/ MALE/ *MUSCLES, analysis/ MYOFIBRILS, analysis/ *PROTEINS, analysis/ *RESORCINOL, pharmacodynamics/ RNA, analysis/ SARCOPLASMIC RETICULUM, analysis/ *SOMATOTROPIN, blood/ SPECTROPHOTOMETRY

431. **Borger ML, Wilson LL, Sink JD, et al:** Zeranol and dietary protein level effects on live performance, carcass merit, certain endocrine factors and blood metabolite levels of steers.
J Anim Sci 36:706-11, Apr 73
ADIPOSE TISSUE, anatomy & histology/ ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CATTLE, anatomy & histology/ CATTLE, growth & development/ *CATTLE, metabolism/ *DIETARY PROTEINS/ ESTROGENS, pharmacodynamics/ INSULIN, blood/ LACTONES, pharmacodynamics/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *RESORCINOL, pharmacodynamics/ SOMATOTROPIN, blood/ THYROID GLAND, anatomy & histology

432. **Borghi A:** Alterazioni sessuali nei maschio adulto, legate ad iperproduzione di deidroepiandrosterone a livello surrenalico.
Minerva Med 64:605-7, 10 Mar 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLANDS, physiology/ ADULT/ *DEHYDROEPIANDROSTERONE, secretion/ GYNECOMASTIA, etiology/ HUMAN/ 17-KETOSTEROIDS, urine/ LIBIDO/ MALE/ SEX DISORDERS, drug therapy/ *SEX DISORDERS, etiology/ SPERMATOGENESIS

433. **Borle AB:** Kinetic analysis of calcium movements in cell culture. V. Intracellular calcium distribution in kidney cells. J Membr Biol 10:45-66, 1972
ANIMAL EXPERIMENTS/ ANTIMYCIN A, pharmacodynamics/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CELLS, CULTURED/ COLD/ CYTOPLASM, metabolism/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KIDNEY, physiology/ KINETICS/ MATHEMATICS/ MITOCHONDRIA, physiology/ MONKEYS/ PHOSPHATES, pharmacodynamics/ WARFARIN, pharmacodynamics

434. **Borvendég J, Hermann H, Bajusz S:** Ovulation induced by synthetic luteinizing hormone releasing factor in androgen-sterilized female rats.
J Endocrinol 55:207-8, Oct 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DISEASE MODELS, ANIMAL/ FEMALE/ *LH/ *OVULATION, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ RATS/ STEIN-LEVENTHAL SYNDROME, drug therapy/ *STERILITY, FEMALE, chemically induced/ *TESTOSTERONE

435. **Bost M, Dieterlen M, Marchal A, et al:** Evolution de l'hepatite virale chez l'enfant: a propos de 92 cas.
Pediatrie 27:729-37, Oct-Nov 72 (Fre)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ CHOLESTASIS, etiology/ CHRONIC DISEASE/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, diagnosis/ HEPATITIS, INFECTIOUS, therapy/ HUMAN/ INFANT/ JAUNDICE, etiology/ LAPAROSCOPY/ LIVER, pathology/ LIVER CIRRHOSIS, etiology/ REST

436. **Bostock DE, Owen LN:** Porcine and ovine lymphosarcoma: a review.
J Natl Cancer Inst 50:933-9, Apr 73 (59 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ FRANCE/ GASTROINTESTINAL NEOPLASMS, veterinary/ GERMANY/ GREAT BRITAIN/ LYMPH NODES/ LYMPHOSARCOMA, diagnosis/ LYMPHOSARCOMA, etiology/ LYMPHOSARCOMA, familial & genetic/ LYMPHOSARCOMA, occurrence/ LYMPHOSARCOMA, pathology/ *LYMPHOSARCOMA, veterinary/ REVIEW/ SCOTLAND/ SEX FACTORS/ *SHEEP DISEASES/ SHEEP DISEASES, diagnosis/ SHEEP DISEASES, etiology/ SHEEP DISEASES, occurrence/ SHEEP DISEASES, pathology/ SKIN NEOPLASMS, veterinary/ *SWINE DISEASES/ SWINE DISEASES, diagnosis/ SWINE DISEASES, etiology/ SWINE DISEASES, familial & genetic/ SWINE DISEASES, occurrence/ SWINE DISEASES, pathology/ THYMUS NEOPLASMS, veterinary/ UNITED STATES

437. **Botella-Llusiá J:** The postabortive ovarian disfunction (clinical, pathological and endocrine study).
Gynecol Prat 23:117-23, 1972
*ABORTION, complications/ ENDOMETRIUM, pathology/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *METRORRHAGIA, etiology/ *OVARIAN DISEASES, etiology/ OVARIAN DISEASES, pathology/ OVARY, pathology/ PREGNANCY/ PREGNANEDIOL, urine/ TIME FACTORS

438. **Both-Miedema R, Groenestein TJ van, Groot WC de, et al:** 19-Nortestosterone. I. Its metabolism in the rabbit.
Steroids Lipids Res 3:49-58, 1972
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ ESTRANES, urine/ ESTROGENS, urine/ ETIOCHOLANOLONE, urine/ 17-KETOSTEROIDS, urine/ MALE/ *NANDROLONE, metabolism/ *NORSTEROIDS, metabolism/ RABBITS/ SOLVENTS/ TESTOSTERONE, metabolism

439. **Böttiger LE, Westerholm B:** Acquired haemolytic anaemia. II. Drug-induced haemolytic anaemia.
Acta Med Scand 193:227-31, Mar 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ AGED/ *ANEMIA, HEMOLYTIC, ACQUIRED, chemically induced/ ANEMIA, HEMOLYTIC, ACQUIRED, mortality/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ *METHYLDOPA, adverse effects/ MIDDLE AGE/ SEX FACTORS/ SPLENECTOMY/ *SULFONAMIDES, adverse effects

440. **Bottke W:** Zur Ultrastruktur des Ovars von Viviparus contectus (Millet, 1813) (Gastropoda, Prosobranchia). II. Die Oocyten.
Z Zellforsch Mikrosk Anat 138:239-59, 29 Mar 73 (Ger)
ACID PHOSPHATASE/ ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ FERRITIN/ GLYCOGEN/ GOLGI APPARATUS/ LIPIDS/ LYSOSOMES/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *OVARY, cytology/ *OVUM, cytology/ PINOCYTOSIS/ *SNAILS, cytology/ SPECIES SPECIFICITY

441. **Bouckaert A, Beckers C:** Computer-aided differential diagnosis of goitres in internal medicine.
Int J Biomed Comput 4:1-17, Jan 73
*DIAGNOSIS, COMPUTER ASSISTED/ DIAGNOSIS, DIFFERENTIAL/ *GOITER, diagnosis/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ PROBABILITY/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, diagnosis

442. **Boudin C, Lhuillier M, Schaison G, et al:** Myasthénie, vitiligo, maladie de Basedow.
Ann Med Interne (Paris) 123:861-4, Oct 72 (Fre)
ADOLESCENCE/ ADULT/ CHILD/ EYE MANIFESTATIONS/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MASTICATORY MUSCLES/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, surgery/ OCULOMOTOR PARALYSIS, etiology/ PARESIS, etiology/ THYMECTOMY/ THYROID GLAND FUNCTION TESTS/ *VITILIGO, complications

443. **Boué A, Boué J:** Actions of steroid contraceptives on

gametic material.
Gehurtshilfe Frauenheilkd 33:77-85, Feb 73
ABNORMALITIES, DRUG-INDUCED, etiology/ ABORTION, occurrence/ CHROMOSOME ABNORMALITIES, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *EMBRYO, drug effects/ ETHINYL ESTRADIOL, adverse effects/ ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ FRANCE/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ LABOR, PREMATURE/ LYNESTRENOL, adverse effects/ MESTRANOL, adverse effects/ NORETHINDRONE, adverse effects/ PREGNANCY/ RETROSPECTIVE STUDIES/ TIME FACTORS

444. Boue JG, Boue A: Increased frequency of chromosomal anomalies in abortions after induced ovulation.
Lancet 1:679-80, 24 Mar 73
*ABORTION/ *AMENORRHEA, drug therapy/ *CHROMOSOME ABERRATIONS/ *CLOMIPHENE, adverse effects/ CLOMIPHENE, therapeutic use/ FEMALE/ *GONADOTROPINS, CHORIONIC, adverse effects/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *MENOTROPINS, adverse effects/ MENOTROPINS, therapeutic use/ *OVULATION, drug effects

445. Bouillé C, Bayle JD: Experimental studies on the adrenocorticotropic area in the pigeon hypothalamus.
Neuroendocrinology 11:73-91, 1973
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CEREBRAL VENTRICLES, physiology/ CORTICOSTERONE, blood/ *HYPOTHALAMUS, physiology/ ORGAN WEIGHT/ *PIGEONS, physiology/ PITUITARY GLAND, physiology/ PITUITARY GLAND, transplantation/ STRESS/ TRANSPLANTATION, AUTOLOGOUS

446. Boulos MS, Becker VJ, Manuel OK: Iodine-129 in thyroid glands.
Health Phys 24:375-8, Apr 73
ACTIVATION ANALYSIS/ ANIMAL EXPERIMENTS/ CATTLE/ HUMAN/ *IODINE ISOTOPES, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ SHEEP/ *THYROID GLAND, analysis

447. Boulton AA, Wu PH: Biosynthesis of cerebral phenolic amines. II. In vivo regional formation of p-tyramine and octopamine from tyrosine and dopamine.
Can J Biochem 51:428-35, Apr 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CARBON ISOTOPES/ CAUDATE NUCLEUS, metabolism/ CEREBELLUM, metabolism/ CEREBRAL VENTRICLES/ DOPAMINE, administration & dosage/ *DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ INJECTIONS/ MALE/ *NORSYNEPHRINE, biosynthesis/ PARGYLINE, pharmacodynamics/ RATS/ TIME FACTORS/ TRITIUM/ *TYRAMINE, biosynthesis/ TYROSINE, administration & dosage/ *TYROSINE, metabolism

448. Bourgoignie J, Shieber W, Sunshine H, et al: Renovascular hypertension.
Arch Intern Med 131:596-601, Apr 73
ADULT/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ *HYPERTENSION, RENAL, therapy/ NEPHRECTOMY/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENIN, secretion

449. Bourke JR, Manley SW, Hawker RW: Thiocyanate ion in serum as an interfering factor in the in-vitro bioassay of thyrotrophin.
J Endocrinol 57:1-6, Apr 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COBALT/ FEMALE/ GEL FILTRATION/ GUINEA PIGS/ HUMAN/ IN VITRO/ IODINE ISOTOPES/ IRON/ MALE/ RATS/ SMOKING/ *THIOCYANATES, blood/ THYROID GLAND, drug effects/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ TOBACCO

450. Bourne HR: Cholera enterotoxin: failure of anti-inflammatory agents to prevent cyclic AMP accumulation.
Nature 241:399, 9 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ASPIRIN, pharmacodynamics/ ENTEROTOXINS, antagonists & inhibitors/ *ENTEROTOXINS, pharmacodynamics/ HUMAN/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ *VIBRIO

451. Bowers CY, Friesen HG, Folkers K: Further evidence that TRH is also a physiological regulator of PRL secretion in man.
Biochem Biophys Res Commun 51:512-21, 2 Apr 73
ADULT/ CHLORPROMAZINE, pharmacodynamics/ DOPA, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ LACTATION/ MALE/ MIDDLE AGE/ PROLACTIN, blood/ *PROLACTIN, secretion/ THYROID DISEASES, physiopathology/ THYROTROPIN, blood/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, physiology/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

452. Boyd GS, Brownie AC, Jefcoate CR, et al: Cholesterol hydroxylation in the adrenal cortex and liver.
Biochem Soc Symp 34:207-26, 1972
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ *CHEMISTRY, ORGANIC/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CORTICOTROPIN/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOCHROME P-450/ ELECTRON SPIN RESONANCE/ HYDROGEN-ION CONCENTRATION/ HYDROXYLATION/ IN VITRO/ IRON ISOTOPES/ ISOCITRATES/ *LIVER, metabolism/ MALATES/ MICROSOMES, LIVER, metabolism/ OXYGEN CONSUMPTION/ PREGNENOLONE, biosynthesis/ RATS/ REVIEW/ ROTENONE

453. Boyd IE, Pollard W, Blaikley JB: Preoperative intramuscular progestogen in the treatment of endometrial carcinoma.
J Obstet Gynaecol Br Commonw 80:360-3, Apr 73
ADENOCARCINOMA, drug therapy/ *ADENOCARCINOMA, surgery/ CASTRATION/ *ENDOMETRIUM/ FEMALE/ HUMAN/ HYSTERECTOMY/ INJECTIONS, INTRAMUSCULAR/ MORTALITY/ POSTOPERATIVE COMPLICATIONS/ *PREMEDICATION/ PROGESTERONE, administration & dosage/ *PROGESTERONE, therapeutic use/ RADIUM, therapeutic use/ RECURRENCE/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, surgery

454. Boyle PF, Fox M: Transplantation of interstitial cells of the testis.
Br J Surg 60:313, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ MALE/ MICE/ MICE, INBRED CBA/ ORGAN WEIGHT/ PENIS/ SEMINAL VESICLES/ *TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

455. Bozzini CE, Rosenkranz A, Kofoed JA, et al: Red cell volume and body composition of 1-triiodothyronine-injected hypophysectomized rats.
Acta Physiol Lat Am 22:206-11, 1972
ANIMAL EXPERIMENTS/ *BODY COMPOSITION, drug effects/ BODY WEIGHT/ *ERYTHROCYTES/ HEMATOCRIT/ *HYPOPHYSECTOMY/ INJECTIONS, SUBCUTANEOUS/ IRON ISOTOPES/ MALE/

METHODS/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics

456. **Bracci R, Benedetti PA:** Fisiopatologia delle ipoglicemie dei neonato.
Minerva Pediatr 25:444-52, 24 Mar 73 (Ita)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ENZYME TESTS/ GLUCONEOGENESIS/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCOLYSIS/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, enzymology/ HYPOGLYCEMIA, physiopathology/ LIVER, enzymology/ RATS

457. **Braddom RL, Erickson R, Johnson EW:** Ineffectiveness of calcitonin on osteoporosis in paraplegic rats.
Arch Phys Med Rehabil 54:170-4, Apr 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DISEASE MODELS, ANIMAL/ MALE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, prevention & control/ *PARAPLEGIA, complications/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, secretion/ RATS/ SPINAL CORD INJURIES, complications/ *THYROCALCITONIN, therapeutic use

458. **Bradfield JS, Hagen RO, Ytredal DO:** Carcinoma of the testis: an analysis of 104 patients with germinal tumors of the testis other than seminoma.
Cancer 31:633-40, Mar 73
ADULT/ *CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, mortality/ CHORIOCARCINOMA, radiotherapy/ CHORIOCARCINOMA, surgery/ DISGERMINOMA, diagnosis/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM RECURRENCE, LOCAL/ PROGNOSIS/ *TERATOID TUMOR, diagnosis/ TERATOID TUMOR, mortality/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

459. **Bradfield JW:** Altered venules in the stimulated human thymus as evidence of lymphocyte recirculation.
Clin Exp Immunol 13:243-52, Feb 73
ADOLESCENCE/ ADULT/ AGED/ CELL MOVEMENT/ CHILD/ ENDOTHELIUM, pathology/ FEMALE/ GLOMERULONEPHRITIS, pathology/ HUMAN/ KIDNEY FAILURE, CHRONIC, pathology/ LYMPH NODES, pathology/ *LYMPHOCYTES/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, pathology/ THYMOMA, pathology/ *THYMUS GLAND, blood supply/ THYMUS GLAND, physiopathology/ THYMUS HYPERPLASIA, pathology/ THYMUS NEOPLASMS, pathology/ *VEINS, pathology

460. **Brading AF:** Ion distribution and the role of calcium in cellular function. Ion distribution and ion movements in smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:35-46, 15 Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *CHLORIDES, metabolism/ GUINEA PIGS/ IN VITRO/ KINETICS/ *MEMBRANE POTENTIALS/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ OUABAIN, pharmacodynamics/ *POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ *SODIUM, metabolism/ SODIUM ISOTOPES

461. **Bradley SE, Bradley GP, Stéphan F:** Role of structural imbalance in the pathogenesis of renal dysfunction in the hypothyroid rat.
Trans Assoc Am Physicians 85:344-52, 1972
ANIMAL EXPERIMENTS/ *GLOMERULAR FILTRATION RATE/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, physiopathology/ *KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY FAILURE, CHRONIC, physiopathology/ NEPHRONS, physiopathology/ RATS

462. **Bradley-Watson PJ, Beard RJ, Craft IL:** Injuries of the cervix after induced midtrimester abortion.
J Obstet Gynaecol Br Commonw 80:284-5, Mar 73
*ABORTION, THERAPEUTIC, adverse effects/ ADOLESCENCE/ ADULT/ AMNION/ *CERVIX UTERI, injuries/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS/ PREGNANCY/ PROSTAGLANDINS, adverse effects/ UREA, adverse effects

463. **Brandt G:** Atiologie und pathogenese der Kalkablagerung in der Plazenta.
Geburtshilfe Frauenheilkd 33:119-24, Feb 73 (Ger)
*CALCINOSIS, etiology/ CALCINOSIS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MATERNAL AGE/ *PLACENTA DISORDERS, etiology/ PLACENTA DISORDERS, pathology/ PREGNANCY/ SEASONS

464. **Branes D, Altman J:** Effects of different schedules of early undernutrition on the preweaning growth of the rat cerebellum. Exp Neurol 38:406-19, Mar 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ CEREBELLAR CORTEX, growth & development/ CEREBELLUM, cytology/ *CEREBELLUM, growth & development/ FEMALE/ GESTATIONAL AGE/ INTERNEURONS/ *LACTATION/ MATERNAL BEHAVIOR/ NEUROGLIA/ *NUTRITION DISORDERS/ ORGAN WEIGHT/ PREGNANCY/ PREGNANCY, ANIMAL/ *PREGNANCY COMPLICATIONS/ RATS

465. **Brânişteanu DD, Hăulică ID:** Imunosimpatectomia.
Fiziol Norm Patol 19:117-26, Mar-Apr 73 (60 ref.) (Rum)
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGENS/ ENGLISH ABSTRACT/ *GANGLIA, AUTONOMIC/ GROWTH SUBSTANCES/ HUMAN/ *IMMUNE SERUMS/ NERVE GROWTH FACTOR/ REVIEW/ SUBMANDIBULAR GLAND/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ SYMPATHETIC NERVOUS SYSTEM, immunology/ SYMPATHETIC NERVOUS SYSTEM, physiology

466. **Brantigan CO:** Delayed major vessel hemorrhage following tracheostomy. J Trauma 13:235-7, Mar 73
AORTIC ANEURYSM/ CAROTID ARTERIES, injuries/ *HEMORRHAGE, etiology/ HEMORRHAGE, surgery/ HEMOSTASIS/ HUMAN/ INNOMINATE ARTERY, injuries/ INNOMINATE VEIN, injuries/ POSTOPERATIVE COMPLICATIONS/ *THORACIC ARTERIES, injuries/ THYROID GLAND, blood supply/ *TRACHEOTOMY, adverse effects/ *VEINS, injuries

467. **Brase A, Sippel R:** Zur Hypothyreosehäufigkeit nach perkutaner Telekobaltbestrahlung des Larynxkarzinoms.
Strahlentherapie 145:147-54, Feb 73 (Ger)
COBALT ISOTOPES, adverse effects/ COBALT ISOTOPES, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, etiology/ *LARYNGEAL NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *RADIOISOTOPE TELETHERAPY, adverse effects/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS

468. **Brashear HR:** Some common orthopedic problems of children. Am Fam Physician 7:120-31, Apr 73
BONE AND BONES, radiography/ EXERCISE THERAPY/ FEMUR HEAD, abnormalities/ FLATFOOT, therapy/ FOOT DEFORMITIES, ACQUIRED, etiology/ *FOOT DEFORMITIES, ACQUIRED, therapy/ HIP JOINT/ *JOINT DISEASES/ *KNEE JOINT/ MOVEMENT/ ORTHOPEDIC EQUIPMENT/ ORTHOPEDIC FIXATION DEVICES/ SHOES/ SPLINTS

469. **Braverman LE, Vagenakis A, Downs P, et al:** Effects of replacement doses of sodium L-thyroxine on the peripheral metabolism of thyroxine and triiodothyronine in man.
J Clin Invest 52:1010-7, May 73
ADULT/ BASAL METABOLISM/ FEMALE/ HUMAN/ IODINE ISOTOPES/ MIDDLE AGE/ SERUM ALBUMIN, RADIO-IODINATED/ *THYROID GLAND, physiology/ THYROXINE, administration & dosage/ THYROXINE, blood/ *THYROXINE, metabolism/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism

470. **Brawley P, Johnson ES:** Noradrenaline excitations: neuronal, not vascular.
Nature [New Biol] 242:245-6, 25 Apr 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, drug effects/ CEREBROVASCULAR CIRCULATION, drug effects/ *NEURONS, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics

471. **Brecht HM, Helber A, Ganten D, et al:** Effect of adrenal arterial infusion of different Mg 2+ concentrations on the spontaneous release of catecholamines in the anesthetized dog.
Proc Soc Exp Biol Med 143:39-43, May 73
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ALDOSTERONE, blood/ ANESTHESIA/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ DOGS/ EPINEPHRINE, blood/ *EPINEPHRINE, secretion/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ MAGNESIUM, blood/ *MAGNESIUM, pharmacodynamics/ MALE/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, secretion/ RENIN, blood

472. **Breckwoldt M, Lehmann F:** Prostaglandine in der Frauenhilkunde. Hippokrates 43:494-5, Dec 72 (Ger)
*ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *PROSTAGLANDINS, administration & dosage/ RABBITS

473. **Breemen C van, Farinas BR, Casteels R, et al:** Factors controlling cytoplasmic Ca 2+ concentration.
Philos Trans R Soc Lond [Biol Sci] 265:57-71, 15 Mar 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE PERMEABILITY/ CYTOPLASM, metabolism/ DINITROPHENOLS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODOACETATES, pharmacodynamics/ KINETICS/ LANTHANUM, pharmacodynamics/ LITHIUM, pharmacodynamics/ MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SODIUM, pharmacodynamics

474. **Brennan MJ, Wang DY, Hayward JL, et al:** Urinary and plasma androgens in benign breast disease. Possible relation to breast cancer. Lancet 1:1076-9, 19 May 73
ADULT/ AGE FACTORS/ AGED/ ANDROGENS, blood/ *ANDROGENS, urine/ BREAST DISEASES, blood/ *BREAST DISEASES, metabolism/ BREAST DISEASES, urine/ BREAST NEOPLASMS, blood/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, urine/ DEHYDROEPIANDROSTERONE, blood/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ SULFATES, blood

475. **Brenner WE, Hendricks CH, Braaksma JT, et a**
Vaginal administration of prostaglandin F2alpha fo
inducing therapeutic abortion.
Prostaglandins 1:455-67, Jun 72
ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ BLOOD CELL COUNT/ COMPARATIVE STUDY/ CURETTAGE/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ SOLUTIONS/ SPECIAL LIST REPRODUCTION/ SUPPOSITORIES/ TABLETS/ TIME FACTORS/ TROMETHAMINE/ UTERUS, drug effects/ UTERUS, physiology/ VAGINA

476. **Brenner WE, Hendricks CH, Braaksma JT, et a**
Intra-amniotic administration of prostaglandin F 2 t
induce therapeutic abortion. Efficacy and tolerance
two dosage schedules.
Am J Obstet Gynecol 114:781-7, 15 Nov 72
*ABORTION, THERAPEUTIC/ *AMNIOTIC FLUID/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYPERTONIC SOLUTIONS/ LEUKOCYTE COUNT/ LYMPHOCYTES/ NEUTROPHILS/ PAIN, occurrence/ PARITY/ PREGNANCY/ PREMEDICATION/ PROCHLORPERAZINE, therapeutic use/ *PROSTAGLANDINS, administration & dosage PROSTAGLANDINS, adverse effects/ SODIUM CHLORIDE, administration & dosage/ TIME FACTORS/ VOMITING, occurrence/ VOMITING, prevention & control

477. **Bress NM:** Temporal arteritis, polymyalgia rheumatic
Ann Intern Med 78:620-2, Apr 73
*GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *POLYMYALGIA RHEUMATICA, drug therapy/ *TEMPORAL ARTERITIS, drug therapy

478. **Bressler RS, Ross MH:** On the character of th
monolayer outgrowth and the fate of the peritubula
myoid cells in cultured mouse testis.
Exp Cell Res 78:295-302, Apr 73
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ CELL MOVEMENT/ EJACULATORY DUCTS, cytology/ ENDOPLASMIC RETICULUM/ FIBROBLASTS/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MODELS, BIOLOGICAL/ *ORGAN CULTURE/ RIBOSOMES/ *TESTIS, cytology

479. **Bret P, Manel G, Rubet A, et al:** Phéochromocytomes.
propos de deux nouveaux cas méconnus sur l'artériographie, évidents après rétrp-pneumo-péritoine.
Nouv Presse Med 2:573-4, 3 Mar 73 (Fre
ABDOMEN, blood supply/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ ANGIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *PHEOCHROMOCYTOMA, diagnosis/ RETROPNEUMOPERITONEUM/ TOMOGRAPHY, RADIOGRAPHIC

480. **Bretelle J:** Activité et tolérance du Proclival. Etude su
38 cas d'H.T.A. essentielle.
Bord Med 5:2789-97, Dec 72 (Fre
ADRENERGIC ALPHA RECEPTOR AGONISTS adverse effects/ *ADRENERGIC ALPHA RECEPTOR AGONISTS, therapeutic use/ ADULT/ AGED/ ALCOHOL, PROPYL, therapeutic use/ *AMINO ALCOHOLS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, adverse effects/ *ANTIHYPERTENSIVE AGENTS, therapeutic use/ CORONARY CIRCULATION, drug effects/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ PHENOLS, therapeutic use

481. **Brickman AS, Reddy CR, Coburn JW, et al:** Biologic action of 1,25-dihydroxy-vitamin D3 in the rachitic dog. Endocrinology 92:728-34, Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *CALCIUM, blood/ CALCIUM ISOTOPES/ *CHOLECALCIFEROL, pharmacodynamics/ DOGS/ FEMALE/ INTESTINAL ABSORPTION/ PHOSPHORUS, blood/ PROPANEDIOLS, pharmacodynamics/ *RICKETS, blood/ TIME FACTORS

482. **Briggs M, Briggs M:** Vitamin C and colds. Lancet 1:998, 5 May 73
ADULT/ ASCORBIC ACID, blood/ ASCORBIC ACID, metabolism/ *ASCORBIC ACID, therapeutic use/ BLOOD PLATELETS, metabolism/ *COMMON COLD, drug therapy/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LEUKOCYTES, metabolism/ MALE/ MIDDLE AGE/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ SEX FACTORS

483. **Briggs MH:** Cigarette smoking and infertility in men. Med J Aust 1:616-7, 24 Mar 73
ADULT/ HUMAN/ MALE/ RADIOLIGAND ASSAY/ *SMOKING, complications/ *STERILITY, MALE, etiology/ *TESTOSTERONE, blood

484. **Brinsfield TH, Hawk HW:** Control by progesterone of the concentration of lipid droplets in epithelial cells of the sheep endometrium. J Anim Sci 36:919-22, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ENDOMETRIUM, analysis/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ EPITHELIAL CELLS, analysis/ EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ *LIPIDS, analysis/ *PROGESTERONE, pharmacodynamics/ SHEEP

485. **Brisman R:** Endocrine studies with empty sella. J Neurosurg 38:537, Apr 73
HUMAN/ HYPOGLYCEMIA, etiology/ HYPOTHYROIDISM, etiology/ LH, blood/ PITUITARY DISEASES, complications/ *PITUITARY DISEASES, physiopathology/ *PITUITARY GLAND, physiopathology/ *SELLA TURCICA/ SOMATOTROPIN, blood

486. **Brituan IaM, Vievs'kiĭ MA, Krokhmal' SS, et al:** Funktsional'nyĭ stan riznykh viddiliv holovnoho mozku pry diĭ ekstremal'nykh podraznykiv. Fiziol Zh 18:644-53, Sep-Oct 72 **(Ukr)**
ACTION POTENTIALS/ ALCOHOLIC INTOXICATION/ ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL CORTEX, physiology/ *DIENCEPHALON, physiology/ ELECTROCOAGULATION/ ENGLISH ABSTRACT/ HYPERTENSION/ HYPOTHALAMUS, physiology/ INTRACRANIAL PRESSURE/ RABBITS/ *RETICULAR FORMATION, physiology

487. **Brodkin RH, Bielberg J:** Cutaneous microwave injury. A report of two cases. Acta Derm Venereol (Stockh) 53:50-2, 1973
FEMALE/ FINGERS/ HUMAN/ *MICROWAVES, adverse effects/ MIDDLE AGE/ NAILS, MALFORMED, drug therapy/ *NAILS, MALFORMED, etiology/ STEROIDS, therapeutic use

488. **Brodtkorb C:** Lokalisasjon av placenta med ultralyd. Tidsskr Nor Laegeforen 93:174-6, 30 Jan 73 (Nor)
CESAREAN SECTION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, surgery/ PREGNANCY/ TRANSDUCERS/ *ULTRASONICS, diagnostic use

489. **Bronstein R, Hardouin G, Henrion R:** Kyste mucoide virilisant au cours de la grossess. J Gynecol Obstet Biol Reprod (Paris) 1:891-9, Dec 72 **(Fre)**
ADULT/ CESAREAN SECTION/ *CYSTADENOMA, MUCINOUS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, analysis/ *OVARIAN CYSTS, complications/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ *VIRILISM, etiology

490. **Brook CG, Wagner H, Zachmann M, et al:** Familial occurrence of persistent Mullerian structures in otherwise normal males. Br Med J 1:771-3, 31 Mar 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, pathology/ FALLOPIAN TUBES, abnormalities/ GENITALIA, MALE, abnormalities/ GENITALIA, MALE, embryology/ GENITALIA, MALE, growth & development/ HUMAN/ MALE/ *MULLERIAN DUCTS, abnormalities/ SEX DIFFERENTIATION DISORDERS, complications/ *SEX DIFFERENTIATION DISORDERS, familial & genetic/ TESTICULAR NEOPLASMS, etiology/ TESTIS, pathology/ UTERUS, abnormalities

491. **Brooke RI:** The oral lesions of bullous pemphigoid. J Oral Med 28:36-40, Apr-Jun 73
AGED/ GINGIVITIS, complications/ HUMAN/ MALE/ MIDDLE AGE/ *ORAL MANIFESTATIONS/ *PEMPHIGUS/ PEMPHIGUS, complications/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ PREDNISOLONE, therapeutic use

492. **Brooks JR:** The solitary thyroid nodule. Am J Surg 125:477-81, Apr 73
ADENOCARCINOMA/ ADENOMA/ ADULT/ CARCINOMA, PAPILLARY/ FEMALE/ FOLLOW-UP STUDIES/ GOITER/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy/ THYROIDITIS

493. **Brooks JR, Busch RD, Lopez-Ramos B, et al:** The effect of a new anti-androgen on canine prostatic acid phosphatase. Proc Soc Exp Biol Med 142:1063-6, Apr 73
*ACID PHOSPHATASE, metabolism/ *ANDROGENS, antagonists & inhibitors/ ANDROSTENES, administration & dosage/ *ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOGS/ FURANS, administration & dosage/ *FURANS, pharmacodynamics/ MALE/ PROSTATE, drug effects/ *PROSTATE, enzymology/ PROSTATE, secretion/ SPIRO COMPOUNDS, administration & dosage/ SPIRO COMPOUNDS, pharmacodynamics

494. **Brosnan ME, Sirek OV, Sirek A, et al:** Effect of pancreatectomy, with and without hypophysectomy, and of insulin treatment on the composition of canine aorta. Diabetes 22:397-402, May 73
ANIMAL EXPERIMENTS/ *AORTA, analysis/ CALCIUM, analysis/ CHONDROITIN, analysis/ COLLAGEN, analysis/ DNA, analysis/ DOGS/ ELASTIN, analysis/ FEMALE/ HEPARITIN SULFATE, analysis/ HYALURONIC ACID, analysis/ *HYPOPHYSECTOMY/ *INSULIN, pharmacodynamics/ LIPIDS, analysis/ MALE/ MUCOPOLYSACCHARIDES, analysis/ *PANCREATECTOMY/ WATER, analysis

495. **Brosnan ME, Sirek OV, Sirek A, et al:** Action of growth hormone and thyroxine on aortas of hypophysectomized dogs. Diabetes 22:243-50, Apr 73
ANIMAL EXPERIMENTS/ AORTA, analysis/ *AORTA, drug effects/ AORTA, ABDOMINAL, analysis/ AORTA, THORACIC, analysis/ CALCIUM, analysis/ CHONDROITIN, analysis/ COLLAGEN, analysis/ DNA, analysis/ DOGS/ ELASTIN, analysis/ FEMALE/ HEPARITIN SULFATE, analysis/ HYALURONIC ACID, analysis/ HYPOPHYSECTOMY/ MALE/

MUCOPOLYSACCHARIDES, analysis/ *PITUITARY GLAND, physiology/ *SOMATOTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics

496. **Broussin J, Aparicio M:** Médiacalcose au cours d'une insuffisance rénale. Bord Med 5:2771-2, Dec 72 (Fre)
ADULT/ *CALCINOSIS, etiology/ HAND, blood supply/ HUMAN/ *HYPERPARATHYROIDISM, complications/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ *VASCULAR DISEASES, etiology

497. **Broustet JP:** Les cardiothyréoses.
Bord Med 5:2317-21, Nov 72 (Fre)
HEART, physiopathology/ *HEART DISEASES, etiology/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology

498. **Brown AA, Hamlett JD, Hibbard BM, et al:** Induction of labour by amniotomy and intravenous infusions of oxytocic drugs--a comparison between prostaglandins and oxytocin.
J Obstet Gynaecol Br Commonw 80:111-5, Feb 73
ADOLESCENCE/ ADULT/ AMNION, surgery/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LABOR COMPLICATIONS/ *LABOR, INDUCED/ MATERNAL AGE/ *OXYTOCIN, administration & dosage/ OXYTOCIN, therapeutic use/ PARITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ TIME FACTORS

499. **Brown DJ, Adam WR, Dawborn JK:** Glucose absorption and hyperglycaemia during peritoneal dialysis.
Aust NZ J Med 3:1-5, Feb 73
ABSORPTION/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ BRONCHOPNEUMONIA, complications/ CREATININE, metabolism/ DIABETES MELLITUS, complications/ DIURETICS, adverse effects/ *GLUCOSE, metabolism/ HUMAN/ *HYPERGLYCEMIA, etiology/ KIDNEY CALCULI, surgery/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ *PERITONEAL DIALYSIS, adverse effects/ POSTOPERATIVE COMPLICATIONS/ UREA, metabolism

500. **Brown ES, Waisman HA, Swanson MA, et al:** Effects of oral contraceptives and obesity on carrier tests for phenylketonuria. Clin Chim Acta 44:183-92, 14 Mar 73
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FASTING/ FEMALE/ HETEROZYGOTE/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ OBESITY, blood/ *OBESITY, metabolism/ OVULATION/ PHENYLALANINE, blood/ PHENYLKETONURIA, blood/ *PHENYLKETONURIA, familial & genetic/ PREGNANCY/ TEMPERATURE/ TIME FACTORS/ TYROSINE, blood

501. **Brown H, Wagner JF, Rathmacher RP, et al:** Effect of human chorionic gonadotropin on pregnancy rate of heifers, when used under field conditions.
J Am Vet Med Assoc 162:456-7, 15 Mar 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CHLORMADINONE, pharmacodynamics/ CORN/ ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ SILAGE

502. **Brown J:** Asthma in childhood.
Med J Aust 1:654-7, 31 Mar 73
ADRENAL CORTEX HORMONES, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ ASTHMA, etiology/ *ASTHMA, therapy/ CHILD/ CHILD, PRESCHOOL/ DESENSITIZATION/ DISODIUM CROMOGLYCATE, therapeutic use/ EMOTIONS/ EXERTION/ FOOD HYPERSENSITIVITY, complications/ HUMAN/ INFANT/ OXYGEN INHALATION THERAPY/ PHYSICAL THERAPY/ SYMPATHOMIMETICS, therapeutic use

503. **Brown JJ, Chinn RH, Fraser R, et al:** Recurrent hyperkalaemia due to selective aldosterone deficiency: correction by angiotensin infusion.
Br Med J 1:650-4, 17 Mar 73
ADRENAL GLAND HYPOFUNCTION, blood/ ADRENAL GLAND HYPOFUNCTION, complications/ *ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLAND HYPOFUNCTION, pathology/ ADRENAL GLANDS, pathology/ AGED/ *ALDOSTERONE/ ALDOSTERONE, blood/ ALDOSTERONE, secretion/ ANGIOTENSIN, blood/ *ANGIOTENSIN, therapeutic use/ AUTOPSY/ DIET THERAPY/ FEMALE/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYPERKALEMIA, blood/ *HYPERKALEMIA, drug therapy/ HYPERKALEMIA, etiology/ HYPERKALEMIA, pathology/ KIDNEY, pathology/ RECURRENCE/ RENIN, blood/ SODIUM

504. **Brown MH:** Psychosurgery.
J Neurosurg 38:535-6, Apr 73
AFFECTIVE DISTURBANCES/ *AMYGDALOID BODY, surgery/ EVALUATION STUDIES/ *GYRUS CINGULI, surgery/ HUMAN/ *PSYCHOSURGERY/ SCHIZOPHRENIA

505. **Brown ML:** Radioimmunoassay and its application in the measurement of triiodothyronine.
Am J Hosp Pharm 30:336-9, Apr 73
ANTIBODY SPECIFICITY/ FREUND'S ADJUVANT/ HUMAN/ HYPERTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ PRECIPITIN TESTS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SERUM ALBUMIN, RADIO-IODINATED/ TRIIODOTHYRONINE, analysis/ *TRIIODOTHYRONINE, blood

506. **Brown MR, Hedge GA:** Multiple effects of glucocorticoids on TSH secretion in unanesthetized rats. Endocrinology 92:1305-11, May 73
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *COLD/ CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ DIPHENYLHYDANTOIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPOTHALAMUS, drug effects/ IODINE ISOTOPES/ PITUITARY GLAND, drug effects/ RATS/ *THYROID GLAND, drug effects/ *THYROTROPIN, pharmacodynamics/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TIME FACTORS

507. **Brown RC, Blecher TE, French EA, et al:** Thrombotic thrombocytopenic purpura after influenza vaccination. Br Med J 2:303, 5 May 73
ADULT/ BLOOD TRANSFUSION/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ *INFLUENZA VACCINE, adverse effects/ PREDNISOLONE, therapeutic use/ PURPURA, THROMBOTIC THROMBOPENIC, drug therapy/ *PURPURA, THROMBOTIC THROMBOPENIC, etiology

508. **Brown RE:** Breast feeding in modern times.
Am J Clin Nutr 26:556-62, May 73
AFRICA/ ASIA/ *BREAST FEEDING/ CHILD, PRESCHOOL/ CHINA/ CHLORPROMAZINE, pharmacodynamics/ DIETARY PROTEINS/ EUROPE/ FEMALE/ HUMAN/ INFANT/ INFANT FOOD/ INFANT, NEWBORN/ INFANT NUTRITION/ *INFANT NUTRITION DISORDERS, prevention & control/ INFANT, PREMATURE/ *LACTATION/ LACTATION, drug effects/ MALE/ PREGNANCY/ SOCIOECONOMIC FACTORS/ UNITED STATES/ URBANIZATION/ WEANING

509. **Brown RG:** Possible problems of large intakes of ascorbic acid. JAMA 224:1529-30, 11 Jun 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, administration & dosage/ *ASCORBIC ACID, adverse effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHICKENS/ HUMAN/ HYDROXYPROLINE, urine/ OXYGEN CONSUMPTION, drug effects/ PHOSPHATES, metabolism/ STIMULATION, CHEMICAL/ SWINE

510. **Brown-Grant K, Davidson JM, Greig F:** Induced ovulation in albino rats exposed to constant light. J Endocrinol 57:7-22, Apr 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ COITUS/ ESTRUS/ FEMALE/ IODINE ISOTOPES/ LH, blood/ LH, secretion/ LIGHT/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION/ OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ SEX BEHAVIOR, ANIMAL/ THYROID GLAND, physiology/ TIME FACTORS/ UTERUS, anatomy & histology

511. **Bruézière J:** Les implantations ectopiques de l'uretère. Acta Urol Belg 41:95-9, Jan 73 (Fre)
ABNORMALITIES, MULTIPLE/ AGE FACTORS/ BLADDER, abnormalities/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KIDNEY, abnormalities/ MALE/ METHODS/ RECTUM, abnormalities/ SEMINAL VESICLES, abnormalities/ SEX FACTORS/ TESTIS, abnormalities/ *URETER, abnormalities/ *URETEROCELE, congenital/ VAGINA, abnormalities

512. **Brüggemann J, Tiews J, Gropp J, et al:** Uber den Einfluss eines Anabolikums auf Mastleistung und Stickstoff-Retention von Kälbern; zugleich ein methodischer Beitrag zur einfachen Ermittlung der Stickstoff-Bilanz.
Wien Tieraerztl Monatsschr 60:92-5, Feb-Mar 73 (Ger)
ANIMAL EXPERIMENTS/ BENZOATES, administration & dosage/ BENZOATES, pharmacodynamics/ *BODY WEIGHT, drug effects/ CATTLE/ CATTLE, growth & development/ *CATTLE, metabolism/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ *NITROGEN, metabolism

513. **Bruijn HW de, Molen HJ van der:** Elimination of tritium from metabolites of (16- 3 H)-pregnenolone. J Steroid Biochem 4:85-7, Jan 73
ANDROSTANES, metabolism/ ANDROSTENEDIONE, isolation & purification/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROLYSIS/ HYDROXYPREGNENOLONE, isolation & purification/ IN VITRO/ MALE/ PREGNENOLONE, biosynthesis/ *PREGNENOLONE, metabolism/ RABBITS/ TESTIS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

514. **Bruin M de:** The use of germantium semiconductor detectors for in vivo measurements X-ray fluorescent thyroid scanning; determination of the depth distribution of radioactivity.
Strahlentherapie [Sonderb] 72:389-95, 1972
FLUORESCENCE/ *GERMANIUM/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING, instrumentation/ SEMICONDUCTORS/ *THYROID GLAND, radiography

515. **Brumbaugh PF, Haussler MR:** Nuclear and cytoplasmic receptors for 1,25-dihydroxycholecalciferol in intestinal mucosa.
Biochem Biophys Res Commun 51:74-80, 5 Mar 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ CHICKENS/ CHROMATIN, metabolism/ CYTOPLASM, metabolism/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ HUMAN/ *HYDROXYCHOLECALCIFEROL/ IN VITRO/ INTESTINAL MUCOSA, cytology/ *INTESTINAL MUCOSA, metabolism/ *RECEPTORS, DRUG/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

516. **Brummer HC:** Serum PGF2alpha levels during human pregnancy. Prostaglandins 3:3-5, Jan 73
FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, blood/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

517. **Brunell PA, Gershon AA:** Passive immunization against varicella-zoster infections and other modes of therapy. J Infect Dis 127:415-23, Apr 73 (60 ref.)
ADULT/ BLOOD TRANSFUSION/ CHICKENPOX, complications/ CHICKENPOX, immunology/ *CHICKENPOX, prevention & control/ CHILD/ CROSS INFECTION, prevention & control/ CYTARABINE, therapeutic use/ FEMALE/ HERPES ZOSTER, complications/ HERPES ZOSTER, immunology/ *HERPES ZOSTER, prevention & control/ HUMAN/ IDOXURIDINE, therapeutic use/ IMMUNITY, PASSIVE/ *IMMUNIZATION/ *IMMUNOGLOBULINS, therapeutic use/ IMMUNOLOGIC DISEASES, complications/ INTERFERON INDUCERS, therapeutic use/ LEUKEMIA, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, prevention & control/ REVIEW/ STEROIDS, therapeutic use

518. **Brünner H, Rothmund M:** Primärer Hyperparathyreoidismus, Pankreatitis und Cholelithiasis.
Dtsch Med Wochenschr 98:426-9, 2 Mar 73 (Ger)
ADULT/ CALCINOSIS, etiology/ *CHOLELITHIASIS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *PANCREATITIS, etiology/ RECURRENCE

519. **Brunning RD:** The effects of leukemia and lymphoma chemotherapy on hematopoietic cells.
Am J Med Technol 39:165-74, May 73
ALKYLATING AGENTS, adverse effects/ ALKYLATING AGENTS, therapeutic use/ ANTIMETABOLITES, adverse effects/ ANTIMETABOLITES, therapeutic use/ *ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, classification/ ASPARAGINASE, adverse effects/ ASPARAGINASE, therapeutic use/ CELL DIVISION, drug effects/ DAUNOMYCIN, adverse effects/ DAUNOMYCIN, therapeutic use/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HEMATOPOIESIS, drug effects/ *HEMATOPOIETIC STEM CELLS, drug effects/ HUMAN/ HYDROXYUREA, adverse effects/ HYDROXYUREA, therapeutic use/ *LEUKEMIA, drug therapy/ *LYMPHOMA, drug therapy/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ VINBLASTINE, adverse effects/ VINBLASTINE, therapeutic use/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

520. **Brux J de:** Oestro-progestatifs oraux et col uterin. Pathol Eur 7:283-7, 1972 (Fre)
ADOLESCENCE/ ADULT/ BIOPSY/ *CARCINOMA, chemically induced/ CARCINOMA, pathology/ *CARCINOMA IN SITU, chemically induced/ CARCINOMA IN SITU, pathology/ *CERVIX DISEASES, chemically induced/ CERVIX DISEASES, pathology/ *CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, pathology/ CERVIX UTERI/ CERVIX UTERI, pathology/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, drug effects/ ESTROGENS, administration & dosage/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ PREGNANCY/ PROGESTATIONAL

HORMONES, administration & dosage/ *PROGESTATIONAL HORMONES, adverse effects

521. **Bryan HS:** Parenteral use of medroxyprogesterone acetate as an antifertility agent in the bitch.
Am J Vet Res 34:659-63, May 73
ANIMAL EXPERIMENTS/ BREEDING/ *DOGS, physiology/ *ESTRUS, drug effects/ FECES, analysis/ FEMALE/ *FERTILITY, drug effects/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, analysis/ MEDROXYPROGESTERONE, metabolism/ *MEDROXYPROGESTERONE, pharmacodynamics/ MEDROXYPROGESTERONE, urine/ PREGNANCY/ TIME FACTORS/ TRITIUM

522. **Bryan JH, Wolosewick JJ:** Spermatogenesis revisited. II. Ultrastructural studies of spermiogenesis in multinucleate spermatids of the mouse.
Z Zellforsch Mikrosk Anat 138:155-69, 29 Mar 73
ANIMAL EXPERIMENTS/ *CELL NUCLEUS/ CHROMATIN/ GOLGI APPARATUS/ MALE/ MICE/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ SERTOLI CELLS, cytology/ *SPERMATOGENESIS/ *SPERMATOZOA, cytology/ STERILITY, MALE

523. **Bryant FL:** Intratympanic injection of steroid for treatment of facial paralysis.
Laryngoscope 83:700-6, May 73
ADULT/ AGED/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ *FACIAL PARALYSIS, drug therapy/ FEMALE/ HUMAN/ INJECTIONS/ MALE/ TYMPANIC MEMBRANE

524. **Bryden MM, Perry C:** Induction of emhryonic death in sheep by intrauterine injection of a small volume of normal saline. J Reprod Fertil 32:133-5, Jan 73
ABORTION, INDUCED/ *ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ FEMALE/ *FETAL DEATH, chemically induced/ INJECTIONS/ ISOTONIC SOLUTIONS/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ *SHEEP/ *SODIUM CHLORIDE/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, toxicity/ TIME FACTORS/ UTERUS

525. **Bublii VP, Bogdanova VI, Panchenko LA:** Vliianie kortikosteroidnoi terapii na soderzhanie lizotsima v syvorotke krovi u hol'nykh boiezn'iu Botkina.
Klin Med (Mosk) 51:58-60, Feh 73 **(Rus)**
DEXAMETHASONE, therapeutic use/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ *HEPATITIS, INFECTIOUS, drug therapy/ HEPATITIS, INFECTIOUS, enzymology/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ *MURAMIDASE, hlood/ PREDNISOLONE, therapeutic use

526. **Buchanan B, Thompson IM, Kirk RM:** Gender identity problems in the sexually ambiguous child.
Mo Med 70:227-9, Apr 73
CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PARENT-CHILD RELATIONS/ *PSYCHOSEXUAL DEVELOPMENT/ *SEX BEHAVIOR/ SEX DETERMINATION/ *SEX DIFFERENTIATION DISORDERS/ SEX FACTORS

527. **Buckman MT, Kaminsky N, Conway M, et al:** Utility of L-dopa and water loading in evaluation of hyperprolactinemia.
J Clin Endocrinol Metah 36:911-9, May 73
ADENOMA, CHROMOPHOBE, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ AMENORRHEA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *DOPA, diagnostic use/ FEMALE/ HUMAN/ IODINE ISOTOPES/ LACTATION DISORDERS, hlood/ *LACTATION DISORDERS, diagnosis/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, hlood/ *PITUITARY NEOPLASMS, diagnosis/ *PROLACTIN, hlood/ RADIOIMMUNOASSAY/ *WATER, diagnostic use

528. **Bucur AI, Ionescu B, Birău N, et al:** Das histoenzymologische Studium der Klinefelter-Keimdrüse.
Anat Anz 132:348-55, 1972 **(Ger)**
ALCOHOL OXIDOREDUCTASES, analysis/ EJACULATORY DUCTS, enzymology/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUTAMATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ ISOCITRATE DEHYDROGENASE, analysis/ *KLINEFELTER'S SYNDROME, enzymology/ LACTATE DEHYDROGENASE, analysis/ LEYDIG CELLS, enzymology/ LIPOAMIDE DEHYDROGENASE, analysis/ MALATE DEHYDROGENASE, analysis/ MALE/ NAD, analysis/ NADP, analysis/ SERTOLI CELLS, enzymology/ SUCCINATE DEHYDROGENASE, analysis/ *TESTIS, enzymology/ TESTIS, pathology

529. **Buerger PB, Levitt RA, Irwin DA:** Chemical stimulation of the hrain: relationship between neural activity and water ingestion in the rat.
J Comp Physiol Psychol 82:278-85, Feh 73
ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ *BRAIN, drug effects/ *CARBACHOL, pharmacodynamics/ CAUDATE NUCLEUS, drug effects/ *DRINKING BEHAVIOR, drug effects/ ELECTROENCEPHALOGRAPHY/ HYPOTHALAMUS, drug effects/ ISOTONIC SOLUTIONS/ LIMBIC SYSTEM, drug effects/ MALE/ NEURAL TRANSMISSION, drug effects/ *NEURONS, drug effects/ RATS/ RECEPTORS, CHOLINERGIC, drug effects/ SEPTAL NUCLEI, drug effects/ SODIUM CHLORIDE, pharmacodynamics/ STEREOTAXIC TECHNICS/ TIME FACTORS

530. **Bühler EM, Müller H, Stalder GR:** Heterochromatin, Fluoreszenz und Strukturanomalien des Y-Chromosoms.
Arch Genet (Zur) 45:27-34, 1972 **(Ger)**
ENGLISH ABSTRACT/ *FLUORESCENCE/ *HETEROCHROMATIN/ HUMAN/ MALE/ *SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ SEX DETERMINATION

531. **Bühler EM, Tsuchimoto T, Stalder GR:** Reverse banding in the human Y chromosome.
Lancet 813:1178-9, 23 May 73
HUMAN/ *KARYOTYPING/ MALE/ MITOSIS/ *SEX CHROMOSOMES/ STAINS AND STAINING/ TRYPSIN, pharmacodynamics

532. **Bühler R, Laragh JH:** Essentielle Hypertonie: Biochemische Analyse--gezielte Behandlung.
Praxis 62:489-91, 17 Apr 73 **(Ger)**
ALDOSTERONE, metabolism/ ANGIOTENSIN, hlood/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, metabolism/ PROPRANOLOL, therapeutic use/ RENIN, hlood/ SODIUM, urine

533. **Bujak JS, Aptekar RG, Decker JL, et al:** Juvenile rheumatoid arthritis in the adult presenting as fever of unknown origin.
Trans Assoc Am Physicians 85:181-91, 1972
ADOLESCENCE/ ADULT/ ARTHRITIS, JUVENILE RHEUMATOID, blood/ *ARTHRITIS, JUVENILE RHEUMATOID, diagnosis/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *FEVER, diagnosis/ FEVER OF UNKNOWN ORIGIN, diagnosis/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS/ SALICYLATES, therapeutic use

534. **Bukhman AI, Gezentsvei ZA, Kharitonov EI, et al:** Klinicheskoe znachenie beskontrastnogo

rentgenologicheskogo issledovaniia v diagnostike zabolevanif shchitovidnof zhelezy.
Probl Endokrinol (Mosk) 19:28-32, Jan-Feb 73 (Rus)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ GOITER, diagnosis/ GOITER, NODULAR, radiography/ HUMAN/ MALE/ METHODS/ TECHNOLOGY, RADIOLOGIC/ *THYROID DISEASES, radiography/ *THYROID NEOPLASMS, radiography/ THYROIDITIS, LYMPHOMATOUS, radiography

535. **Bülbring E, Kuriyama H:** The action of catecholamines on guinea-pig taenia coli.
Philos Trans R Soc Lond [Biol Sci] 265:115-21, 15 Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CATECHOLAMINES, pharmacodynamics/ COLON, drug effects/ ELECTRIC CONDUCTIVITY/ ESTROGENS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LANTHANUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ NOREPINEPHRINE, pharmacodynamics/ PROCAINE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ UTERUS, drug effects

536. **Bulbrook RD, Herlan M, Tong D, et al:** Effect of steroidal contraceptives on levels of plasma androgen sulphates and cortisol. Lancet 1:628-31, 24 Mar 73
ADULT/ *ANDROSTERONE, blood/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ BREAST NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *DEHYDROEPIANDROSTERONE, blood/ ESTROGENS, adverse effects/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDROCORTISONE, blood/ MIDDLE AGE/ PROGESTATIONAL HORMONES, adverse effects/ PROTEIN BINDING

537. **Buniatova IM:** Proniknovenie monomitsina cherez platsentarnyi bar'er u krys v usloviiakh predvaritel'nof sensibilizatsii gomologichnym platsentarnym belkom.
Akush Ginekol (Mosk) 49:46-9, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ FEMALE/ MATERNAL-FETAL EXCHANGE, drug effects/ MONOMYCIN, analysis/ *MONOMYCIN, pharmacodynamics/ *PLACENTA, immunology/ *PLACENTAL EXTRACTS, pharmacodynamics/ PREGNANCY/ RATS

538. **Bunin KV, Pak SG:** O gormonal'nykh vliianiiakh na vodno-elektrolitnyi obemn u bol'nykh virusnym gepattiom. Klin Med (Mosk) 50:37-40, Dec 72 (Rus)
*ALDOSTERONE, urine/ BODY WATER/ CHROMATOGRAPHY, THIN LAYER/ CIRCADIAN RHYTHM/ *HEPATITIS, INFECTIOUS, metabolism/ HUMAN/ *VASOPRESSIN, urine/ *WATER-ELECTROLYTE BALANCE

539. **Burch GE:** Contributions of the biological sciences to human welfare. 3. Clinical medicine.
Fed Proc 31:33-70, Nov-Dec 72
ANESTHESIOLOGY/ BIOMEDICAL ENGINEERING/ CARDIOVASCULAR DISEASES, prevention & control/ COMMUNICABLE DISEASE CONTROL/ DRUG THERAPY/ ENDOCRINOLOGY/ FEMALE/ GENETICS, BIOCHEMICAL/ HEMATOLOGY/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ IMMUNOLOGY/ KIDNEY DISEASES, therapy/ MALE/ *MEDICINE/ MILITARY MEDICINE/ NEUROLOGY/ NUCLEAR MEDICINE/ NUTRITION/ OTORHINOLARYNGOLOGY/ PARASITIC DISEASES, prevention & control/ PEDIATRICS/ PREGNANCY/ RESPIRATORY TRACT DISEASES, therapy/ SURGERY/ TRANSPLANTATION/ UNITED STATES

540. **Burger A, Miller B, Sakoloff C, et al:** Serum triiodothyronine determination by saturation analysis. Acta Endocrinol (Kbh) 72:714-26, Apr 73
GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ THYROID DISEASES, blood/ THYROXINE, analysis/ THYROXINE-BINDING PROTEIN, pharmacodynamics/ TRIIODOTHYRONINE, analysis/ *TRIIODOTHYRONINE, blood

541. **Burger MM, Bombik BM, Breckenridge BM, et al:** Growth control and cyclic alterations of cyclic AMP in the cell cycle. Nature [New Biol] 239:161-3, 11 Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES/ *CELL DIVISION/ CELL DIVISION, drug effects/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ MICE/ MITOSIS/ MODELS, BIOLOGICAL/ PEPTIDE HYDROLASES, antagonists & inhibitors/ PEPTIDE HYDROLASES, pharmacodynamics

542. **Burgess L:** Axon pathways of the intermediate neurosecretory cells in Culex tarsalis Coquillett (Diptera: Culicidae). Can J Zool 51:379-82, Mar 73
ANIMAL EXPERIMENTS/ *AXONS/ CULEX, cytology/ *CULEX, physiology/ LARVA, cytology/ LARVA, physiology/ *NEUROSECRETORY SYSTEMS, cytology

543. **Bürgi H, Andersen MC, Schwander J, et al:** Secretion of thyroxine and non-thyroxine iodine by the normal human thyroid gland. Influence of carbimazole and pharmacological doses of iodide.
Eur J Clin Invest 3:142-50, Mar 73
*CARBIMAZOLE, pharmacodynamics/ HUMAN/ *IODIDES, pharmacodynamics/ IODINE, metabolism/ IODINE ISOTOPES/ *IODOTYROSINE, secretion/ MALE/ THYROID GLAND, drug effects/ *THYROID GLAND, secretion/ *THYROXINE, secretion/ *TRIIODOTHYRONINE, secretion

544. **Burke EF, Gilbert E, Uehling DT:** Adrenal rest tumors of the testes. J Urol 109:649-52, Apr 73
ADRENAL CORTICAL REST TUMOR, complications/ ADRENAL CORTICAL REST TUMOR, diagnosis/ *ADRENAL CORTICAL REST TUMOR, drug therapy/ ADRENOGENITAL SYNDROME, complications/ ADULT/ CELL COUNT/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ SPERMATOZOA/ TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, drug therapy

545. **Burke WJ, Davis JW:** Assay of phenylethanolamine N-methyltransferase.
Proc Soc Exp Biol Med 142:928-32, Mar 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ COPPER, analysis/ COPPER, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ CYANIDES, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ INSULIN, pharmacodynamics/ MALE/ *METHYLTRANSFERASES, analysis/ MONOAMINE OXIDASE, analysis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, analysis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, antagonists & inhibitors/ RATS/ STIMULATION, CHEMICAL

546. **Burmeister P, Merker H:** Essentielle Lungenhämosiderose.
Med Klin 68:433-7, 6 Apr 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANEMIA, HYPOCHROMIC, etiology/ BLOOD TRANSFUSION/ ENGLISH ABSTRACT/ HEMOPTYSIS, etiology/ *HEMOSIDEROSIS/ HEMOSIDEROSIS, complications/ HEMOSIDEROSIS, diagnosis/ HEMOSIDEROSIS, physiopathology/ HEMOSIDEROSIS, therapy/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ IRON, therapeutic use/ LUNG,

radiography/ *LUNG DISEASES/ LUNG DISEASES, complications/ LUNG DISEASES, diagnosis/ LUNG DISEASES, physiopathology/ LUNG DISEASES, therapy/ MALE/ REMISSION/ SYNDROME

547. **Burnett V, Baker RK, Wallach S:** Primary hypophosphatemic rickets in an elderly woman. Arch Intern Med 131:581-7, Apr 73
AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CALCIUM, therapeutic use/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ FRACTURES, SPONTANEOUS, etiology/ HUMAN/ PHOSPHORUS, blood/ PHOSPHORUS METABOLISM DISORDERS, blood/ *PHOSPHORUS METABOLISM DISORDERS, complications/ PHOSPHORUS METABOLISM DISORDERS, diagnosis/ PHOSPHORUS METABOLISM DISORDERS, drug therapy/ RICKETS, blood/ RICKETS, diagnosis/ RICKETS, drug therapy/ *RICKETS, etiology

548. **Burns RE, Whitehouse FW:** Evidence for impaired glucose tolerance in uncomplicated psoriasis. Preliminary report. Arch Dermatol 107:371-2, Mar 73
ADOLESCENCE/ ADULT/ BLOOD SUGAR, analysis/ CHILD/ CORTISONE, diagnostic use/ DIABETES MELLITUS, familial & genetic/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MIDDLE AGE/ *PREDIABETIC STATE, diagnosis/ *PSORIASIS, metabolism

549. **Burny F, Wollast R:** Study of bone mineralisation at the microscopic level using electron probe microanalyser. Sodium and magnesium distribution in normal bone. Acta Orthop Belg [Suppl] 38:79-84, 1972
*BONE AND BONES, analysis/ ELECTRON PROBE MICROANALYSIS/ HAVERSIAN SYSTEM, analysis/ HUMAN/ *MAGNESIUM, analysis/ *SODIUM, analysis

550. **Burri PH, Schneider HR:** Anwendung cytoarchitektonischer Kriterien für die Neuronentypisierung in der Elektronenmikroskopie. J Hirnforsch 13:509-20, 1973 (Ger)
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ HYPOGLOSSAL NERVE, cytology/ HYPOTHALAMUS, cytology/ MEDULLA OBLONGATA, cytology/ MICROSCOPY, ELECTRON/ *NEURONS, cytology/ NISSL BODIES/ PURKINJE CELLS, cytology/ RATS

551. **Burrows L, Halmov M, Aledort L, et al:** The platelet in the obliterate vascular rejection phenomenon. Transplant Proc 5:157-60, Mar 73
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ BLOOD COAGULATION TESTS/ *BLOOD PLATELETS, immunology/ BLOOD UREA NITROGEN/ CREATINE, blood/ CYPROHEPTADINE, pharmacodynamics/ FEMALE/ *GRAFT REJECTION/ HUMAN/ KIDNEY, radiation effects/ *KIDNEY, transplantation/ MALE/ PLATELET ADHESIVENESS/ PREDNISONE, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SODIUM, urine/ TRANSPLANTATION, HOMOLOGOUS/ VASCULAR RESISTANCE, drug effects

552. **Burry JN:** Topical drug addiction: adverse effects of fluorinated corticosteroid creams and ointments. Med J Aust 1:393-6, 24 Feb 73
ADOLESCENCE/ ADULT/ AGED/ ATROPHY, chemically induced/ BALANITIS, chemically induced/ BETAMETHASONE, adverse effects/ BETAMETHASONE, therapeutic use/ CHILD/ DERMATITIS MEDICAMENTOSA, etiology/ *DRUG ABUSE/ FACIAL DERMATOSES, chemically induced/ FEMALE/ FLUOCINOLONE ACETONIDE, adverse effects/ FLUOCINOLONE ACETONIDE, therapeutic use/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ OINTMENTS/ PURPURA, chemically induced/ ROSACEA, drug therapy/ SEBORRHEA, drug therapy/ SKIN ULCER, chemically induced/ TELANGIECTASIS, chemically induced/ TINEA, drug therapy

553. **Burton WY Jr:** Analysis of products of conception. Am J Obstet Gynecol 115:1163, 15 Apr 73
*ABORTION, INDUCED, adverse effects/ EMBRYO, cytology/ FEMALE/ FETUS, cytology/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PREGNANCY

554. **Burzelić Z:** Slučaj osteoporoze i patološke frakture vrata femura kod sindroma Sheehan. Reumatizam 20:19-23, 1973 (Cro)
ENGLISH ABSTRACT/ FEMALE/ *FEMORAL NECK FRACTURES, etiology/ HUMAN/ *HYPOPITUITARISM, complications/ MIDDLE AGE/ *OSTEOPOROSIS, etiology/ PREGNANCY/ *PUERPERAL DISORDERS, complications/ SHEEHAN'S SYNDROME, complications

555. **Bushkova MM, Koval'chuk TV, Shakh TsI:** Metodi doslidzhennia preparativ pokhidnikh etileniminu. I. Farm Zh 27:25-9, 1972 (Ukr)
ENGLISH ABSTRACT/ *ETHYLENE, analysis/ *IMINES, analysis/ THIOCYANATES

556. **Bushong S, Kothari S, Williams CD, et al:** Photofluorographic measurement of the roentgen area product. Radiology 107:673-4, Jun 73
AIR POLLUTION, RADIOACTIVE/ *FLUOROSCOPY/ GONADS, radiation effects/ HUMAN/ MOBILE HEALTH UNITS/ *RADIATION MONITORING/ *RADIATION PROTECTION

557. **Butenandt O:** Partieller Wachstumshormonmangel: Endogener Wachstumshormongehalt und Wirkung von exogen zugeführtem humanem Wachstumshormon. Klin Wochenschr 51:266-71, 15 Mar 73 (Ger)
ADOLESCENCE/ ARGININE, pharmacodynamics/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS, drug therapy/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ MALE/ NITROGEN, urine/ PITUITARY GLAND, drug effects/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ *SOMATOTROPIN, therapeutic use/ STIMULATION, CHEMICAL

558. **Butler EB, Taylor DS:** The postnatal smear. Acta Cytol (Baltimore) 17:237-40, May-Jun 73
DELIVERY/ DRUG COMBINATIONS/ ERYTHROCYTES, analysis/ FEMALE/ FOLIC ACID, administration & dosage/ FOLIC ACID, analysis/ FOLIC ACID, blood/ GESTATIONAL AGE/ HEMOGLOBINOMETRY/ HUMAN/ IRON, administration & dosage/ LACTATION/ PARITY/ PREGNANCY COMPLICATIONS/ *PUERPERIUM/ *VAGINAL SMEARS

559. **Butterworth CE Jr:** Interactions of nutrients with oral contraceptives and other drugs. J Am Diet Assoc 62:510-4, May 73
AMINO ACIDS, metabolism/ AMINOBENZOIC ACID, metabolism/ CELL MEMBRANE, drug effects/ CHLORAMPHENICOL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DIGITALIS GLYCOSIDES, pharmacodynamics/ ERGOCALCIFEROL, metabolism/ ERGOT ALKALOIDS, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ FOLIC ACID, metabolism/ *FOOD/ HUMAN/ *NUTRITION, drug effects/ PREGNANCY/ PROGESTATIONAL HORMONES, pharmacodynamics/ PYRIDOXINE, metabolism/ SULFONAMIDES, pharmacodynamics

560. **Buttery BW, Beischer NA, Fortune DW, et al:** Ovarian tumours in pregnancy. Med J Aust 1:345-9, 17 Feb 73
ABORTION, etiology/ ADOLESCENCE/ ADULT/ AGED/ CYSTADENOMA, MUCINOUS, occurrence/ DELIVERY/ FEMALE/ FETAL DEATH, etiology/ HUMAN/ LABOR

COMPLICATIONS, occurrence/ MIDDLE AGE/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, occurrence/ PREGNANCY COMPLICATIONS, surgery/ PREGNANCY, MULTIPLE/ *PUERPERAL DISORDERS/ TERATOID TUMOR, occurrence/ TIME FACTORS/ TWINS

561. **Buxbaum DM, Yarbrough GG, Carter ME:** Biogenic amines and narcotic effects. I. Modification of morphine-induced analgesia and motor activity after alteration of cerebral amine levels.
J Pharmacol Exp Ther 185:317-27, May 73
*ANALGESIA/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMINES, physiology/ *BRAIN CHEMISTRY/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DRUG SYNERGISM/ ELECTRIC INJURIES, physiopathology/ MALE/ METHYLTYROSINES, pharmacodynamics/ MORPHINE, administration & dosage/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ TIME FACTORS

562. **Buyniski JP, Cavanagh RL, Bierwagen ME:** Reduction of tissue norepinephrine and aortic pressure in spontaneously hypertensive rats by 1,2,3,5-tetrahydroimidazo(2,1-b)quinazoline.
Res Commun Chem Pathol Pharmacol 5:647-53, May 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ IMIDAZOLES, administration & dosage/ IMIDAZOLES, therapeutic use/ MALE/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ QUINAZOLINES, administration & dosage/ *QUINAZOLINES, therapeutic use/ RATS/ SEROTONIN, metabolism/ TIME FACTORS

563. **Buznikov GA, Manukhin BN, Sakharova AV, et al:** Changes in serotonin content in cleaving sea urchin eggs (fluorometric and histochemical determination).
Sov J Dev Biol 3:257-60, May-Jun 72
ANIMAL EXPERIMENTS/ FEMALE/ FLUOROMETRY/ HISTOCYTOCHEMISTRY/ *MITOSIS/ *OVUM, metabolism/ *SEA URCHINS/ *SEROTONIN, metabolism

564. **Bye PG, Elstein M:** Clinical assessment of a low-oestrogen combined oral contraceptive.
Br Med J 2:389-92, 19 May 73
AMENORRHEA, etiology/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CLINICAL RESEARCH/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, chemically induced/ *ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ NAUSEA, chemically induced/ *NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ PREGNANCY/ UTERINE HEMORRHAGE, etiology

565. **Bygdeman M, Svensson G, Westerholm B:** Biverkningar hos ett p-pillerklientel med särskild hänsyn till blödningsrubbningar.
Lakartidningen 69:Suppl 4:42-6, 27 Dec 72 (Swe)
ADOLESCENCE/ ADULT/ *AMENORRHEA, chemically induced/ AMENORRHEA, occurrence/ BODY WEIGHT/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FERTILITY/ HUMAN/ *MENSTRUATION, drug effects/ MIDDLE AGE/ *OVULATION, drug effects/ PREGNANCY/ TIME FACTORS

566. **Byron JW:** Drug receptors and the haemopoietic stem cell. Nature [New Biol] 241:152-4, 31 Jan 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBACHOL, antagonists & inhibitors/ CARBACHOL, pharmacodynamics/ CELL DIVISION/ CLONE CELLS/ DNA, biosynthesis/ FEMALE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HEMATOPOIETIC STEM CELLS, drug effects/ *HEMATOPOIETIC STEM CELLS, metabolism/ IMIDAZOLES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MICE/ NEOSTIGMINE, pharmacodynamics/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC/ *RECEPTORS, DRUG/ THYMIDINE, metabolism/ TRITIUM/ TUBOCURARINE, pharmacodynamics

C

567. **Caasi PI, Hauswirth JW, Nair PP:** Biosynthesis of heme in vitamin E deficiency.
Ann NY Acad Sci 203:93-102, 18 Dec 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATALASE, metabolism/ CYTOCHROMES, metabolism/ *HEME, biosynthesis/ HEME, pharmacodynamics/ *HEMEPROTEINS, metabolism/ KIDNEY, metabolism/ LEVULINIC ACID, metabolism/ LIVER, drug effects/ LIVER, enzymology/ MALE/ MICROSOMES, LIVER, metabolism/ MYOCARDIUM, metabolism/ PROTEIN PRECURSORS/ RATS/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY/ TESTIS, metabolism/ TRYPTOPHAN OXYGENASE, metabolism/ VITAMIN E, metabolism/ VITAMIN E, therapeutic use/ VITAMIN E DEFICIENCY, drug therapy/ *VITAMIN E DEFICIENCY, metabolism

568. **Cade R, Spooner G, Schlein E, et al:** Comparison of azathioprine, prednisone, and heparin alone or combined in treating lupus nephritis.
Nephron 10:37-56, 1973
ADOLESCENCE/ ADULT/ AZATHIOPRINE, administration & dosage/ *AZATHIOPRINE, therapeutic use/ CHILD/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, chemically induced/ DIABETES MELLITUS, chemically induced/ DRUG COMBINATIONS/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ HEPARIN, administration & dosage/ *HEPARIN, therapeutic use/ HUMAN/ HYPERTENSION, chemically induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PSYCHOSES, TOXIC, etiology

569. **Cady B:** Neck exploration for hyperparathyroidism.
Surg Clin North Am 53:301-6, Apr 73
ADENOMA, diagnosis/ DISSECTION/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ METHODS/ NECK, anatomy & histology/ *NECK, surgery/ PARATHYROID GLANDS, anatomy & histology/ PARATHYROID NEOPLASMS, diagnosis/ THYROID GLAND, anatomy & histology

570. **Calamera JC:** Bioassay of antigonadotropic sera. (Assay of the pregnant mare serum gonadotropin (PMS) neutralising potency). Andrologie 4:203-12, 1972
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GONADOTROPINS, administration & dosage/ *GONADOTROPINS, EQUINE/ *IMMUNE SERUMS/ ORGAN WEIGHT/ PILOT PROJECTS/ PREGNANCY/ RABBITS, immunology/ RATS/ UTERUS, anatomy & histology

571. **Caldwell BV, Auletta FJ, Speroff L:** Prostaglandins in the control of ovulation, corpus luteum function, and

parturition. J Reprod Med 10:133-8, Mar 73 (28 ref.)
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ *CORPUS LUTEUM, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ HAMSTERS/ HUMAN/ HYSTERECTOMY/ INDOMETHACIN, pharmacodynamics/ *LABOR, INDUCED/ LH, pharmacodynamics/ MONKEYS/ *OVULATION/ PREGNANCY/ PROGESTERONE, antagonists & inhibitors/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RABBITS/ RATS/ REVIEW/ SHEEP

572. **Caldwell BV, Tillson SA, Brock WA, et al:** The effects of exogenous progesterone and estradiol on prostaglandin F levels in ovariectomized ewes.
Prostaglandins 1:217-28, Mar 72
ANIMAL EXPERIMENTS/ BENZOATES/ BINDING SITES, ANTIBODY/ CASTRATION/ CATTLE/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HYSTERECTOMY/ MODELS, BIOLOGICAL/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ SPECIAL LIST REPRODUCTION/ TRITIUM

573. **Caldwell JC, Young C, Ware H, et al:** Australia: knowledge, attitudes, and practice of family planning in Melbourne, 1971. Stud Fam Plann 4:49-59, Mar 73
ADULT/ ATTITUDE/ AUSTRALIA/ CATHOLICISM/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ EDUCATIONAL STATUS/ ETHNIC GROUPS/ *FAMILY PLANNING/ FEMALE/ GREAT BRITAIN/ HEALTH EDUCATION/ HUMAN/ INTERVIEW, PSYCHOLOGICAL/ RELIGION/ SAMPLING STUDIES/ STERILITY/ STERILIZATION, SEXUAL/ UNITED STATES

574. **Caleel GT:** Thyroid disease in pregnancy.
J Am Osteopath Assoc 72:635-7, Feb 73
FEMALE/ GOITER, complications/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES/ THYROID DISEASES, metabolism/ THYROID GLAND FUNCTION TESTS

575. **Call RW:** Operations for sterilization of the female.
Surg Clin North Am 53:495-510, Apr 73 (37 ref.)
CASTRATION/ EVALUATION STUDIES/ FALLOPIAN TUBES, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYSTERECTOMY/ HYSTERECTOMY, mortality/ LEGISLATION, MEDICAL/ METHODS/ OVARY, radiation effects/ *RADIATION EFFECTS/ REVIEW/ *STERILIZATION, SEXUAL/ STERILIZATION, TUBAL/ STERILIZATION, TUBAL, adverse effects/ UNITED STATES

576. **Caligaris L, Astrada JJ, Taleisnik S:** Influence of age on the release of luteinizing hormone induced by oestrogen and progesterone in immature rats.
J Endocrinol 55:97-103, Oct 72
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ LH, blood/ *LH, secretion/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ PUBERTY/ RADIOIMMUNOASSAY/ RATS/ SECRETORY RATE, drug effects

577. **Callingham BA, Della Corte L:** The influence of growth and of adrenalectomy upon some rat heart enzymes.
Br J Pharmacol 46:530P-531P, Nov 72
*ADRENALECTOMY/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CYTOCHROME REDUCTASES/ *HEART, growth & development/ MALE/ MONOAMINE OXIDASE, analysis/ *MYOCARDIUM, enzymology/ ORGAN WEIGHT/ RATS/ TRITIUM/ TYRAMINE, metabolism

578. **Calvo J, Morriconi ER:** Accion del methalliburey de las gonadotrofinas exogenas sobre el testiculo de Jenynsia lineata (Teleostei.
Acta Physiol Lat Am 22:212-7, 1972 (Spa)
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *FISHES/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, PITUITARY, pharmacodynamics/ *HYDRAZINES, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE/ MITOSIS, drug effects/ ORGAN WEIGHT/ *SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ *THIOUREA, pharmacodynamics

579. **Cameron E, Pauling L:** Ascorbic acid and the glycosaminoglycans. An orthomolecular approach to cancer and other diseases.
Oncology 27:181-92, 1973 (35 ref.)
ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ ASCORBIC ACID, therapeutic use/ CELL DIVISION/ HORMONES, therapeutic use/ HUMAN/ HYALURONIDASE, antagonists & inhibitors/ HYALURONIDASE, physiology/ *MUCOPOLYSACCHARIDES, metabolism/ *NEOPLASMS, metabolism/ NEOPLASMS, radiotherapy/ NEOPLASMS, EXPERIMENTAL, drug therapy/ REVIEW/ SCURVY, drug therapy/ SCURVY, metabolism

580. **Cammermeyer J:** Mast cells in the mammalian area postrema. Z Anat Entwicklungsgesch 139:71-92, 197
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ CATS/ CEREBRAL VENTRICLES/ CORTISONE, pharmacodynamics/ DIET/ FEMALE/ GERM-FREE LIFE/ HISTIDINE, pharmacodynamics/ MALE/ MAMMALS, anatomy & histology/ *MAST CELLS/ MONKEYS/ RESERPINE, pharmacodynamics/ *THALAMUS, cytology/ THALAMUS, drug effects/ THYROTROPIN, pharmacodynamics

581. **Campbell JB:** Cystic teratomas of the ovary in pregnancy.
Am J Roentgenol Radium Ther Nucl Med 118:14-7, Ma 73
ADULT/ APPENDICITIS, diagnosis/ CHOLECYSTITIS, diagnosis/ *DERMOID CYST radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ KIDNEY CALCULI, diagnosis/ *OVARIAN NEOPLASMS, radiography/ PREGNANCY/ *PREGNANCY COMPLICATIONS, radiography/ URETERAL CALCULI, diagnosis

582. **Campbell PS, Zarrow MX, Denenberg VH:** The effect o infantile stimulation upon hypothalamic CRF level following adrenalectomy in the adult rat.
Proc Soc Exp Biol Med 142:781-3, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CORTICOSTERONE, blood/ *CORTICOTROPIN RELEASING FACTOR, analysis/ *HANDLING (PSYCHOLOGY)/ *HYPOTHALAMUS, analysis/ MALE/ RATS/ TIME FACTORS

583. **Canada AT:** Gold-induced thrombocytopenia.
Am J Hosp Pharm 30:340-2, Apr 73
ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ BLOOD CELL COUNT/ BLOOD PLATELETS/ CASE REPORT/ EPISTAXIS, chemically induced/ FEMALE/ *GOLD, adverse effects/ GOLD, therapeutic use/ HUMAN/ MIDDLE AGE/ PREDNISONE, therapeutic use/ THIOMALATES, adverse effects/ THIOMALATES, therapeutic use/ *THROMBOPENIA, chemically induced/ THROMBOPENIA, drug therapy

584. **Canales ES, González A, Zárate A, et al:** Tratamiento d

la esterilidad anovulatoria. II. Análisis de los resultados con el uso de gonadotropinas humanas.
Ginecol Obstet Mex 33:85-97, Jan 73 (Spa)
ADULT/ AMENORRHEA, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ GONADOTROPINS, administration & dosage/ *GONADOTROPINS, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LACTATION DISORDERS, drug therapy/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

585. **Canivet J:** Hypoglycémie par tumeur extra-pancréatique.
Rev Prat 22:3393-406, 1 Oct 72 (Fre)
ADRENAL GLAND NEOPLASMS, complications/ CARCINOMA, complications/ HEPATOMA, complications/ HYPOGLYCEMIA, etiology/ LIVER NEOPLASMS, complications/ MESENCHYMOMA, complications/ SPECIAL LIST FOREIGN/ THORACIC NEOPLASMS, complications

586. **Cantalamessa L, Reschini E, Giustina G, et al:** Impiego del TRF nello studio della riserva ipofisaria di TS.
Folia Endocrinol (Roma) 26:57-70, Feb 73 (Ita)
ACROMEGALY, blood/ ADENOMA, CHROMOPHOBE, metabolism/ ADOLESCENCE/ ADULT/ AGED/ ARRHYTHMIA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, metabolism/ PITUITARY NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ THYROTROPIN, analysis/ THYROTROPIN, blood/ *THYROTROPIN, metabolism/ *THYROTROPIN RELEASING FACTOR

587. **Cantu JM, Olivera E, Gonzalez D, et al:** A possible explanation for spontaneous breast development in XY gonadal dysgenesis.
Ann Endocrinol (Paris) 33:517-22, Sep-Oct 72 (Fre)
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ *BREAST, growth & development/ DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ ESTROGENS, biosynthesis/ FEMALE/ GONADOTROPINS, physiology/ HUMAN/ KARYOTYPING/ *TURNER'S SYNDROME/ TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, metabolism/ TURNER'S SYNDROME, therapy

588. **Capel-Edwards K, Hall DE, Fellowes KP, et al:** Long-term administration of progesterone to the female beagle dog.
Toxicol Appl Pharmacol 24:474-88, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ BLOOD SUGAR, metabolism/ BODY WEIGHT, drug effects/ BONE MARROW, drug effects/ CHOLESTEROL, blood/ DOGS/ ERYTHROCYTES, drug effects/ ESTRUS, drug effects/ FEMALE/ LEUKOCYTE COUNT/ MAMMAE, drug effects/ ORGAN WEIGHT/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ TIME FACTORS/ UTERUS, drug effects

589. **Cappella L, Gatti G, Cavazzuti GB:** Contributo su alcuni aspetti della sindrome di Lennox (casistica di 100 casi.
Riv Neurol 42:530-6, Nov-Dec 72 (Ita)
ADOLESCENCE/ ADULT/ ANTICONVULSANTS, therapeutic use/ AZEPINES, therapeutic use/ BENZAZEPINES, therapeutic use/ CHILD/ CORTICOTROPIN, therapeutic use/ DIAZEPAM, therapeutic use/ ENCEPHALITIS, complications/ EPILEPSY, PETIT MAL, drug therapy/ *EPILEPSY, PETIT MAL, etiology/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ KETONES, therapeutic use/ MALE/ MENINGITIS, complications/ NITRAZEPAM, therapeutic use/ NITRO COMPOUNDS, therapeutic use/ SKULL FRACTURES, complications/ SYNDROME

590. **Caputo MJ, Hosty TA, Melton HE:** Difference in binding of 14 C and tritium-labeled testosterone by the sex-binding globulin (SBG).
Metabolism 22:623-5, Apr 73
BIOLOGICAL ASSAY/ *CARBON ISOTOPES/ HUMAN/ MALE/ METHODS/ *PROTEIN BINDING/ *SERUM GLOBULINS, metabolism/ *TESTOSTERONE, metabolism/ *TRITIUM

591. **Caraway WT:** The scientific development of clinical chemistry to 1948. Clin Chem 19:373-83, Apr 73
ALBUMINURIA, diagnosis/ ANIMAL EXPERIMENTS/ BIOCHEMISTRY/ BLOOD/ BLOOD SUGAR/ *CHEMISTRY, CLINICAL, history/ CHEMISTRY, CLINICAL, instrumentation/ COLORIMETRY/ EDEMA, diagnosis/ ENZYMES, history/ FRANCE/ GERMANY/ GOUT, blood/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HORMONES, history/ HUMAN/ PERIODICALS, history/ PHOTOMETRY, history/ SPECTROPHOTOMETRY/ UNITED STATES/ UREA, chem synthesis/ URIC ACID, blood/ URINE/ VITAMINS, history

592. **Cardinaud JP, Boget JC, Bony D, et al:** La réanimation des méningites purulentes graves. Bilan du Centre de Réanimation respiratoire.
Bord Med 5:2215-22, Nov 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENINGITIS, drug therapy/ MENINGITIS, mortality/ *MENINGITIS, therapy/ MIDDLE AGE/ PROGNOSIS/ RESPIRATORY CARE UNITS/ *RESUSCITATION

593. **Carey LC, Sapira JD, Curtin RA:** Hemorrhage as a stimulus to adrenal epinephrine secretion.
Bull Soc Int Chir 31:393-401, Sep-Oct 72
*ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, secretion/ HOMEOSTASIS/ NOREPINEPHRINE, secretion/ SECRETORY RATE/ *SHOCK, HEMORRHAGIC, physiopathology/ SWINE/ TIME FACTORS

594. **Carless JE, Moustafa MA, Rapson HD:** The kinetics of thermal dehydration and transformation of solid cortisone acetate.
J Pharm Pharmacol 24:Suppl:130P-131, Dec 72
ACETATES/ *CORTISONE/ HEAT/ KINETICS/ *WATER

595. **Carlson LA, Walldius G, Butcher RW:** Effect of chloropbenoxyisobutyric acid (CPIB) on fat-mobilizing lipolysis and cyclic AMP levels in rat epididymal fat. Atherosclerosis 16:349-57, Nov-Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ CLOFIBRATE, antagonists & inhibitors/ *CLOFIBRATE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ EPIDIDYMIS, drug effects/ *EPIDIDYMIS, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLYCERIN, metabolism/ *LIPIDS, metabolism/ LIPOPROTEINS, HDL, analysis/ LIPOPROTEINS, LDL, analysis/ LIPOPROTEINS, VLDL, analysis/ MALE/ RATS/ TRIGLYCERIDES, blood

596. **Carman JS:** Pigment and kinesia.
Lancet 1:374, 17 Feb 73
ADULT/ AGE FACTORS/ AGED/ CAUCASIAN RACE/ HUMAN/ MELATONIN, metabolism/ MIDDLE AGE/ MOVEMENT DISORDERS, diagnosis/ *MOVEMENT DISORDERS, occurrence/ NEGROID RACE/ *PIGMENTATION

597. **Carpenter AT:** A meiotic mutant defective in distributive disjunction in Drosophila melanogaster.
Genetics 73:393-428, Mar 73
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ FEMALE/ MALE/

*MEIOSIS/ MITOSIS/ *MUTATION/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES

598. **Carson SH, Taeusch HW Jr, Avery ME:** Inhibition of lung cell division after hydrocortisone injection into fetal rabbits. J Appl Physiol 34:660-3, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL DIFFERENTIATION/ *CELL DIVISION, drug effects/ CELL NUCLEUS, metabolism/ DNA, metabolism/ FEMALE/ *FETUS, drug effects/ *HYDROCORTISONE, pharmacodynamics/ LUNG, anatomy & histology/ LUNG, cytology/ LUNG, drug effects/ *LUNG, embryology/ LUNG, metabolism/ ORGAN WEIGHT/ PROTEINS, metabolism/ RABBITS/ WATER, metabolism

599. **Carstensen H, Amér B, Amér I, et al:** The postoperative decrease of plasma testosterone in man, after major surgery, in relation to plasma FSH and LH. J Steroid Biochem 4:45-55, Jan 73
ADOLESCENCE/ ADULT/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY REACTIONS/ EXERTION/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SURGERY, OPERATIVE/ *TESTOSTERONE, blood/ TIME FACTORS

600. **Carter CO:** Biosocial aspects of life in Britain. Nature and distribution of genetic abnormalities. J Biosoc Sci 5:261-72, Apr 73
AUTOSOME ABNORMALITIES, occurrence/ BLINDNESS, familial & genetic/ *CHROMOSOME ABNORMALITIES/ COLONIC DISEASES, familial & genetic/ DEAFNESS, familial & genetic/ GENES, DOMINANT/ GENES, RECESSIVE/ *GENETICS, POPULATION/ GREAT BRITAIN/ HUMAN/ INFANT, NEWBORN/ MUTATION/ NERVOUS SYSTEM DISEASES, familial & genetic/ PHENYLKETONURIA, occurrence/ POLYPS, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, occurrence

601. **Carter DC, Karim SM, Bhana D, et al:** The effect of locally administered 15(R) 15 methyl-E 2 methyl prostaglandin on basal and pentagastrin-induced acid secretion in man. Br J Surg 60:320, Apr 73
ADMINISTRATION, ORAL/ *GASTRIC JUICE, secretion/ HUMAN/ *PENTAGASTRIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE, drug effects

602. **Carvalho S de, Costa VP, Figueiredo JG de, et al:** Tiroidite de Hashimoto. Apresentação de 41 casos com discussão dos aspectos clínicos, laboratoriais, anatomopatológicos e terapêuticos. Rev Assoc Med Bras 19:87-96, Mar 73 (Por)
ADOLESCENCE/ ADULT/ BIOPSY/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ RADIOISOTOPE SCANNING/ THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS/ *THYROIDITIS, LYMPHOMATOUS/ THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, pathology/ THYROIDITIS, LYMPHOMATOUS, surgery

603. **Casati C, Agnoli A, Jori A, et al:** On the relationship between L-DOPA therapy and CSF monoamine metabolites in Parkinson's disease. Z Neurol 204:149-54, 2 Apr 73
ADULT/ AGED/ *DOPA, therapeutic use/ DOPAMINE, metabolism/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ PARKINSONISM, cerebrospinal fluid/ *PARKINSONISM, drug therapy/ PHENYLACETATES, cerebrospinal fluid/ SEROTONIN, metabolism

604. **Casey KL:** The neurophysiologic basis of pain. Postgrad Med 53:58-63, May 73
AXONS, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ LIMBIC SYSTEM, physiopathology/ NERVE ENDINGS, physiopathology/ NEURAL INTERCONNECTIONS/ NEURAL TRANSMISSION/ NEURONS, AFFERENT, physiopathology/ NEURONS, EFFERENT, physiopathology/ *PAIN, physiopathology/ PERIPHERAL NERVES, physiopathology/ RECEPTORS, NEURAL, physiopathology/ RETICULAR FORMATION, physiopathology/ SOMATOSENSORY CORTEX, physiopathology/ SPINAL CORD, physiopathology/ SPINOTHALAMIC TRACTS, physiopathology/ SYNAPSES, physiopathology/ THALAMUS, physiopathology

605. **Caspersson T, Lindsten J, Lomakka G, et al:** The use of fluorescence techniques for the recognition of mammalian chromosomes and chromosome regions. Int Rev Exp Pathol 11:1-72, 1972 (127 ref.)
ANIMAL EXPERIMENTS/ AUTOSOME ABNORMALITIES, diagnosis/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ COMPUTERS/ CYTOLOGICAL TECHNICS/ DNA, analysis/ FEMALE/ FLUORESCENT DYES/ HAMSTERS/ HUMAN/ KARYOTYPING/ MALE/ MICE/ *MICROSCOPY, FLUORESCENCE/ NOMENCLATURE/ PRENATAL DIAGNOSIS/ QUINACRINE/ RATS/ REVIEW/ SEX CHROMATIN, analysis/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOMES/ STAINS AND STAINING/ SWINE/ TRISOMY

606. **Cassileth PA, Trotman BW:** Inappropriate antidiuretic hormone in Hodgkin's disease. Am J Med Sci 265:233-5, Mar 73
ADULT/ DIURESIS/ HODGKIN'S DISEASE, blood/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, metabolism/ HODGKIN'S DISEASE, urine/ HUMAN/ MALE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ OSMOLAR CONCENTRATION/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ SODIUM, blood/ *VASOPRESSIN, secretion/ VINCRISTINE, therapeutic use

607. **Cassuto JP:** Mononucléose infectieuse. Mars Med 109:651-4, 1972 (Fre)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ BURKITT'S LYMPHOMA VIRUS/ HUMAN/ *INFECTIOUS MONONUCLEOSIS, diagnosis/ INFECTIOUS MONONUCLEOSIS, etiology/ INFECTIOUS MONONUCLEOSIS, therapy/ REST

608. **Castenfors J, Johnsson H, Orö L:** Effect of alprenolol on blood pressure and plasma renin activity in hypertensive patients. Acta Med Scand 193:189-95, Mar 73
ADULT/ AGED/ *ALPRENOLOL, therapeutic use/ BLOOD PRESSURE, drug effects/ BLOOD VOLUME, drug effects/ CHLORTHALIDONE, therapeutic use/ CLINICAL RESEARCH/ DRUG SYNERGISM/ FEMALE/ HEART RATE, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ PLACEBOS/ *RENIN, blood

609. **Castleman B, Scully RE, McNeely BU:** Case records o the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19-1973. N Engl J Med 288:1010-8, 10 May 73
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ CASE REPORT/ CHILD/ CONSTRICTION/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ HYPERTENSION, RENAL, diagnosis/ *NEOPLASM RECURRENCE, LOCAL, pathology/ NEPHROSCLEROSIS, pathology/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, surgery/ RENAL ARTERY

610. **Castronovo FP Jr, Ring R 3d:** The rapid determination of the early 99m Tc pertechnetate thyroid uptake using a multichannel analyzer.
Int J Appl Radiat Isot 24:298-9, May 73
HUMAN/ *RADIOISOTOPE SCANNING, instrumentation/ *TECHNETIUM, diagnostic use/ *THYROID GLAND FUNCTION TESTS

611. **Catalá S, Deis RP:** Effect of oestrogen upon parturition, maternal behaviour and lactation in ovariectomized pregnant rats. J Endocrinol 56:219-25, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ FETAL DEATH, prevention & control/ *LABOR, drug effects/ *LACTATION, drug effects/ *MATERNAL BEHAVIOR, drug effects/ *OVARY, physiology/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROLACTIN, pharmacodynamics/ RATS/ TIME FACTORS/ UTERUS, drug effects

612. **Catto GR, MacDonald AF, McIntosh JA, et al:** Haemodialysis therapy and changes in skeletal calcium. Lancet 813:1150-3, 23 May 73
ACTIVATION ANALYSIS, instrumentation/ ADULT/ *BONE AND BONES, analysis/ BONE AND BONES, radiography/ *CALCIUM, analysis/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ MINERALS, analysis

613. **Caucig H, Friedrich F, Breitenecker G, et al:** Enzyme activity in the fluid of the human ovarian follicle. Gynecol Invest 3:215-20, 1972
ALCOHOL OXIDOREDUCTASES, analysis/ ALDOLASE, analysis/ ASPARTATE AMINOTRANSFERASE, analysis/ CYSTADENOMA, enzymology/ FEMALE/ *GRAAFIAN FOLLICLE, enzymology/ HUMAN/ LEUCINE AMINOPEPTIDASE, analysis/ OVARIAN CYSTS, enzymology/ OVARIAN NEOPLASMS, enzymology/ OVARY, enzymology/ PHOSPHATASES, analysis/ PHOTOMETRY/ PREGNANCY/ STEIN-LEVENTHAL SYNDROME, enzymology

614. **Caujolle F, Bouissou H, Cros S, et al:** Influence du gallium sur la souris gestante. II. Aspects métaboliques.
C R Soc Biol (Paris) 166:1176-80, 1972 **(Fre)**
ABORTION/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION, drug effects/ BONE AND BONES, analysis/ DRINKING BEHAVIOR, drug effects/ FECES, analysis/ FEMALE/ GALLIUM, analysis/ GALLIUM, metabolism/ *GALLIUM, pharmacodynamics/ GALLIUM, urine/ MICE/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SULFATES

615. **Caves PK, Dong E Jr, Shumway NE:** Immunosuppression with cyclophosphamide in dogs following cardiac transplantation.
Transplant Proc 5:517-21, Mar 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, therapeutic use/ *CYCLOPHOSPHAMIDE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DOGS/ ELECTROCARDIOGRAPHY/ GAMMA GLOBULIN/ GRAFT REJECTION/ *HEART, transplantation/ HORSES, immunology/ IMMUNE ADHERENCE REACTION/ *IMMUNOSUPPRESSION/ LYMPH NODES, cytology/ LYMPHOCYTE DEPLETION/ METHYLPREDNISOLONE, therapeutic use/ THYMUS GLAND, immunology/ TRANSPLANTATION, HOMOLOGOUS

616. **Caves PK, Dong E Jr, Morris RE, et al:** The immunologic diagnosis of orthotopic cardiac allograft rejection in dogs. Transplant Proc 5:745-8, Mar 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, therapeutic use/ AUTOPSY/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CYCLOPHOSPHAMIDE, therapeutic use/ DOGS/ ELECTROCARDIOGRAPHY/ ENDOCARDIUM, immunology/ *GRAFT REJECTION, diagnosis/ *HEART, transplantation/ *LYMPHOCYTE TRANSFORMATION/ METHYLPREDNISOLONE, therapeutic use/ THYMIDINE, metabolism/ THYMUS GLAND, cytology/ *TRANSPLANTATION, HOMOLOGOUS/ TRITIUM

617. **Cech O, Segmüller G:** Zur Pathophysiologie der Pseudarthrose. Helv Chir Acta 40:259-62, Mar 73 **(Ger)**
AGED/ BONE AND BONES, transplantation/ *BONE REGENERATION/ CALCIUM, metabolism/ FEMALE/ FEMUR, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ PSEUDARTHROSIS, metabolism/ *PSEUDARTHROSIS, physiopathology/ PSEUDARTHROSIS, surgery/ STRONTIUM ISOTOPES/ TIBIA, metabolism/ TRANSPLANTATION, AUTOLOGOUS

618. **Cekan Z, Juneja H, Diczfalusy E:** De novo synthesis of cholesteryl esters in previable human foetuses. Biochim Biophys Acta 296:196-202, 19 Jan 73
ACETATES, metabolism/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, metabolism/ CARBON ISOTOPES/ *CHOLESTEROL, biosynthesis/ CHOLESTEROL, chem synthesis/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ ESTERS, biosynthesis/ ESTERS, chem synthesis/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ ISOTOPE LABELING/ LIVER, embryology/ LIVER, metabolism/ ORGAN SPECIFICITY/ PALMITIC ACID, metabolism/ PERFUSION/ PLACENTA, metabolism/ PREGNANCY/ TRITIUM

619. **Cerilli J, Limbert JG, Ferris TF, et al:** Subtotal parathyroidectomy for tertiary hyperparathyroidism thirty-two months after renal transplantation.
Am J Surg 125:636-8, May 73
ADOLESCENCE/ CASE REPORT/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ *KIDNEY, transplantation/ MALE/ PARATHYROID GLANDS, pathology/ *PARATHYROID GLANDS, surgery/ PHOSPHATES, blood/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

620. **Cerméa P, Dreyfus G, Kuffer R, et al:** Histoplasmose disséminée avec insuffisance surrénale diagnostiquée sur les lésions de la muqueuse buccale.
Rev Stomatol Chir Maxillofac 73:387-401, Jul-Aug 72 **(Fre)**
*ADRENAL GLAND HYPOFUNCTION, diagnosis/ AMPHOTERICIN B, therapeutic use/ BIOPSY/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ GENITAL DISEASES, MALE, diagnosis/ *GINGIVITIS, NECROTIZING ULCERATIVE, diagnosis/ GINGIVITIS, NECROTIZING ULCERATIVE, pathology/ *HISTOPLASMOSIS, diagnosis/ HISTOPLASMOSIS, drug therapy/ HISTOPLASMOSIS, immunology/ HUMAN/ *KIDNEY FAILURE, CHRONIC, diagnosis/ MALE/ MIDDLE AGE/ SERODIAGNOSIS/ SKIN TESTS/ ULCER, diagnosis

621. **Cerutti P, Santoianni P:** A relatively benign reticulosis: Crosti's "reticulohistiocytoma of the back".
Int J Dermatol 12:35-40, Jan-Feb 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *BACK/ HISTIOCYTES/ HUMAN/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ MONOCYTES/ RETICULOENDOTHELIOSIS, drug therapy/ *RETICULOENDOTHELIOSIS, pathology/ RETICULOENDOTHELIOSIS, radiotherapy/ SEX FACTORS/ SKIN NEOPLASMS, drug therapy/ *SKIN NEOPLASMS, pathology/ SKIN NEOPLASMS, radiotherapy

622. **Cervenka J, Kotásek A, Cerný M, et al:** Perinatale

genetische Beratungsstelle.
Zentralbl Gynaekol 94:1547-8, 11 Nov 72 (Ger)
CZECHOSLOVAKIA/ *DIAGNOSTIC SERVICES/ FAMILY PLANNING/ FEMALE/ *GENETIC COUNSELING/ HUMAN/ PREGNANCY/ PRENATAL DIAGNOSIS/ SEX DETERMINATION/ ULTRASONICS, diagnostic use

623. **Cervenka J, Kotásek A:** Využití primární fluorescence v hormonální cytologii.
Cesk Gynekol 38:156-8, Apr 73 (Cze)
DNA, biosynthesis/ FEMALE/ GYNECOLOGIC NEOPLASMS, diagnosis/ HUMAN/ MICROSCOPY, FLUORESCENCE/ *PROGESTERONE, analysis/ RNA, biosynthesis/ *VAGINAL SMEARS

624. **Chakrabarti AK, Lloyd GH:** Gross paracetamol overdosage with recovery.
Practitioner 210:408-11, Mar 73
*ACETAMINOPHEN, poisoning/ ADULT/ AMINOTRANSFERASES, blood/ BILIRUBIN, blood/ HEPATITIS, TOXIC, drug therapy/ HEPATITIS, TOXIC, etiology/ HUMAN/ MALE/ NECROSIS, chemically induced/ PREDNISOLONE, therapeutic use

625. **Challis JR:** The binding of oestrogens to ovine serum albumin. J Endocrinol 56:319-20, Feb 73
DIALYSIS/ DIETHYLSTILBESTROL, blood/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ HYDROCORTISONE, blood/ *PROTEIN BINDING/ *SERUM ALBUMIN/ SHEEP/ TRITIUM

626. **Challis JR, Harrison FA, Heap RB:** The kinetics of oestradiol -17 metabolism in the sheep.
J Endocrinol 57:97-110, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ ESTRIOL, metabolism/ ESTRONE, metabolism/ ESTRUS/ FEMALE/ INJECTIONS, INTRAVENOUS/ KINETICS/ LACTATION/ METABOLIC CLEARANCE RATE/ OVARY, transplantation/ PREGNANCY/ *SHEEP, metabolism/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS/ TRITIUM

627. **Chalupa LM, Battersby WS, Frumkes TE:** Some subcortical determinants of visual cortical excitability in the cat. Int J Neurosci 5:1-13, Jan 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CATS/ ELECTROSHOCK/ EVOKED POTENTIALS/ GENICULATE BODIES, physiology/ MEMBRANE POTENTIALS/ MESENCEPHALON, drug effects/ *MESENCEPHALON, physiology/ NEURAL TRANSMISSION/ PENTOBARBITAL, pharmacodynamics/ RETICULAR FORMATION, drug effects/ *RETICULAR FORMATION, physiology/ SUPERIOR COLLICULUS, drug effects/ *SUPERIOR COLLICULUS, physiology/ TETANY/ THALAMIC NUCLEI, drug effects/ *THALAMIC NUCLEI, physiology/ *VISUAL CORTEX, physiology

628. **Chalvardjian A, Scully RE:** Sclerosing stromal tumors of the ovary. Cancer 31:664-70, Mar 73
ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FIBROMA, diagnosis/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ SCLEROSIS, pathology/ THECA CELL TUMOR, diagnosis

629. **Chan SW, Phillips JG:** Variations in the in vitro production of corticosteroids by the herring gull (Larus argentatus) adrenal glands.
Gen Comp Endocrinol 20:283-90, Apr 73
*ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ *BIRDS, physiology/ CHROMATOGRAPHY, GAS/ *CORTICOSTERONE, secretion/ *DESOXYCORTICOSTERONE, secretion/ IN VITRO/ ORGAN WEIGHT/ PERIODICITY/ SEASONS/ TRITIUM

630. **Chan SW, Phillips JG:** Secretion of 17-deoxycorticosteroids by herring gull (Larus argentatus) adrenals.
Gen Comp Endocrinol 20:274-82, Apr 73
*ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *BIRDS, physiology/ CHROMATOGRAPHY, GAS/ *CORTICOSTERONE, secretion/ DESOXYCORTICOSTERONE, blood/ *DESOXYCORTICOSTERONE, secretion/ 17-HYDROXYCORTICOSTEROIDS, biosynthesis/ IN VITRO/ PREGNENOLONE, metabolism/ TRITIUM

631. **Chan SW, Phillips JG:** Circadian variation in activity of the duck (Anas platyrhynchos) adrenal gland.
Gen Comp Endocrinol 20:291-6, Apr 73
*ADRENAL GLANDS, secretion/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, secretion/ DESOXYCORTICOSTERONE, secretion/ *DUCKS, physiology/ IN VITRO/ MALE/ *MINERALOCORTICOIDS, secretion/ PROGESTERONE, metabolism

632. **Chandler ML, Varandani PT:** Insulin degradation. II. The widespread distribution of glutathione-insulin transhydrogenase in the tissues of the rat.
Biochim Biophys Acta 286:136-45, 24 Nov 72
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ DIAPHRAGM, enzymology/ GEL DIFFUSION TESTS/ *GLUTATHIONE REDUCTASE, analysis/ INSULIN/ *INSULIN, metabolism/ INTESTINES, enzymology/ IODINE ISOTOPES/ KIDNEY, enzymology/ KINETICS/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PANCREAS, enzymology/ RATS/ SOLUBILITY/ SPLEEN, enzymology/ TESTIS, enzymology/ THYMUS GLAND, enzymology

633. **Chandley AC, Christie S, Fletcher J, et al:** Translocation heterozygosity and associated subfertility in man.
Cytogenetics 11:516-33, 1972
ADULT/ *CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ CROSSING OVER (GENETICS)/ FEMALE/ *HETEROZYGOTE/ HUMAN/ KARYOTYPING/ MALE/ MEIOSIS/ PEDIGREE/ PREGNANCY/ SPERMATOZOA, cytology/ *STERILITY, MALE, familial & genetic/ TESTIS, cytology

634. **Chang JC, Burkle JS:** Unusual abnormal X chromosome in hyperthyroidism and Turner's syndrome.
NY State J Med 73:1101-4, 1 May 73
ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ KARYOTYPING/ *SEX CHROMOSOMES/ THYROID GLAND FUNCTION TESTS/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, familial & genetic

635. **Chapelle A de la, Schröder J, Selander RK:** In situ localization and characterization of different classes of chromosomal DNA: acridine orange and quinacrine mustard fluorescence. Chromosoma 40:347-60, 197
ACRIDINES/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ *CHROMOSOMES, analysis/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 16-18/ *DNA, analysis/ FIBROBLASTS/ FLUORESCENCE/ GENETIC TECHNICS/ HUMAN/ KINETICS/ L CELLS/ LYMPHOCYTES/ MITOSIS/ NUCLEIC ACID DENATURATION/ QUINACRINE/

RODENTS/ SEX CHROMOSOMES/ STAINS AND STAINING

636. **Charachon R, Junien-Lavillauroy C:** Les cancers orthoplasiques de la glande thyroïde.
J Med Lyon 53:1609-22, 20 Nov 72 (Fre)
ADENOCARCINOMA/ ADOLESCENCE/ ADULT/ CARCINOMA/ CARCINOMA, PAPILLARY/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS

637. **Charkes ND, Valentine G, Cravitz B:** Interpretation of the normal 99m Tc polyphosphate rectilinear bone scan. Radiology 107:563-70, Jun 73
*BONE AND BONES, anatomy & histology/ FEMUR, anatomy &. histology/ HUMAN/ ISCHIUM, anatomy & histology/ LUMBAR VERTEBRAE, anatomy & histology/ PELVIC BONES, anatomy & histology/ PHOSPHATES, diagnostic use/ *RADIOISOTOPE SCANNING/ RIBS, anatomy & histology/ SCAPULA, anatomy & histology/ SKULL, anatomy & histology/ SPINE, anatomy & histology/ STERNUM, anatomy & histology/ TECHNETIUM/ *TIBIA, anatomy & histology

638. **Charles D, Turner JH, Redmond C:** The endometrial karyotypic profiles of women after clomiphene citrate therapy.
J Obstet Gynaecol Br Commonw 80:264-70, Mar 73
ADULT/ *CHROMOSOME ABERRATIONS/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ ENDOMETRIAL HYPERPLASIA, drug therapy/ *ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ KARYOTYPING/ MENSTRUATION DISORDERS, complications/ OVULATION, drug effects/ POLYPLOIDY/ STERILITY, FEMALE, drug therapy

639. **Charieux J, Montibert J, Didierlaurent A, et al:** Complications oculaires après traitement au long cours par corticoïdes locaux.
Bull Soc Ophtalmol Fr 12:479-82, Apr 72 (Fre)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ *CATARACT, chemically induced/ CONJUNCTIVITIS, drug therapy/ GLAUCOMA, chemically induced/ HUMAN/ LONG TERM CARE/ MALE

640. **Charnot Y, Desmaris-Deiécrax D, Pérès G:** Effets du silicium minéral exogène sur les constituants inorganiques de certains tissus de lapins athéromateux.
C R Soc Biol (Paris) 166:996-1000, 1972 (Fre)
ANIMAL EXPERIMENTS/ *AORTA, analysis/ AORTA, drug effects/ *ARTERIOSCLEROSIS/ BONE AND BONES, analysis/ BONE RESORPTION, drug effects/ *CALCIUM, analysis/ CALCIUM, blood/ CALCIUM, metabolism/ DIET, ATHEROGENIC/ *MAGNESIUM, analysis/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ MALE/ *OSSIFICATION, PHYSIOLOGIC, drug effects/ *PHOSPHORUS, analysis/ PHOSPHORUS, metabolism/ RABBITS/ SILICA, analysis/ SILICA, blood/ *SILICA, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

641. **Charnyĭ AM, Tsiaĭ ZZ, Konareva MV, et al:** Sluchaĭ vtorichnoĭ khronicheskoĭ nadpochechnikovoĭ nedostatochnosti, obuslovlennoĭ kal'tsinozom sosudov gipotalamo-gipofizarnoĭ oblasti.
Klin Med (Mosk) 50:134-7, Aug 72 (Rus)
*ADRENAL GLAND HYPOFUNCTION, etiology/ *CALCINOSIS, complications/ CASE REPORT/ *CEREBROVASCULAR DISORDERS, complications/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, blood supply/ MIDDLE AGE

642. **Chasalow FI, Pharriss BB:** Luteinizing hormone stimulation of ovarian prostaglandin biosynthesis.
Prostaglandins 1:107-17, Feb 72
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ FEMALE/ IMMUNE SERUMS/ LH, pharmacodynamics/ MALE/ OVARY, drug effects/ OVARY, metabolism/ PREGNANCY/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ SPECIAL LIST REPRODUCTION/ TRITIUM

643. **Chasapakis G, Kekis N, Sakkalis C, et al:** Use of ketamine and pancuronium for anesthesia for patients in hemorrhagic shock.
Anesth Analg (Cleve) 52:282-7, Mar 73
ADULT/ AGED/ *ANDROSTANES/ *ANESTHESIA, GENERAL/ BLOOD PRESSURE/ *CURARE-LIKE AGENTS/ FEMALE/ HUMAN/ *KETAMINE/ MALE/ MIDDLE AGE/ PANCURONIUM/ *SHOCK, HEMORRHAGIC

644. **Chateau D, Roos J, Aron C:** Action de l'urine mâle ou femelle provenant de rats normaux ou castrés sur la durée du cycle oestral chez la ratte.
C R Soc Biol (Paris) 166:1110-3, 1972 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRUS/ FEMALE/ MALE/ METHODS/ *ODORS/ OLFACTORY BULB, physiology/ OVARY, physiology/ RATS/ SEX BEHAVIOR, ANIMAL/ TIME FACTORS/ *URINE

645. **Chatkoff ML, Julian JA:** Effects of progesterone on the binding of estradiol-receptor to rabbit uterine chromatin.
Biochem Biophys Res Commun 51:1015-22, 16 Apr 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *CHROMATIN, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ PROTEIN BINDING, drug effects/ PROTEINS, biosynthesis/ RABBITS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ UTERUS, drug effects/ *UTERUS, metabolism

646. **Chatterjee AK, Datta SC:** Possible influence of testicular hormone on pyridoxal phosphate formation in vivo by the kidney tissue after administration of flavin mono nucleotide. Endokrinologie 61:140-3, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ *FMN, pharmacodynamics/ KIDNEY, analysis/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, metabolism/ MALE/ OXIDOREDUCTASES, analysis/ PYRIDOXAL PHOSPHATE, analysis/ *PYRIDOXAL PHOSPHATE, biosynthesis/ PYRIDOXINE/ RATS/ *TESTOSTERONE, physiology

647. **Chatterjee GC, Roy RK, Sasmal N, et al:** Effect of chromium and tungsten on L-ascorbic acid metabolism in rats and chicks.
J Nutr 103:509-14, Apr 73
ADRENAL GLANDS, metabolism/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, biosynthesis/ *ASCORBIC ACID, metabolism/ BODY WEIGHT/ CHICKENS/ CHROMIUM, administration & dosage/ *CHROMIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTERASES, metabolism/ GLUCURONATES/ KETO ACIDS, metabolism/ KIDNEY, metabolism/ LACTONES/ LIVER, metabolism/ MALE/ PENTOSES, metabolism/ RATS/ SPECIES SPECIFICITY/ SPLEEN, metabolism/ STEREOISOMERS/ SUGAR ACIDS/ TUNGSTEN, administration & dosage/ *TUNGSTEN, pharmacodynamics

648. **Chatterton RT Jr, Forbes TR:** Apparent relation of metabolites of progesterone to progesterone activity: 16 -hydroxyprogesterone antagonism in the uterine stromal nuclei of the mouse.
Endocrinology 92:1451-7, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HYDROXYPROGESTERONE,

pharmacodynamics/ MICE/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, metabolism/ TRITIUM/ *UTERUS, metabolism

649. **Chatterton RT Jr, Murray CL, Hellman L:** Endocrine effects on leukocytopoiesis in the rat. I. Evidence for growth hormone secretion as the leukocytopoietic stimulus following acute cortisol-induced lymphopenia. Endocrinology 92:775-87, Mar 73
ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ LEUKOCYTE COUNT/ *LEUKOCYTES, drug effects/ LEUKOCYTOSIS/ LYMPH NODE EXCISION/ LYMPH NODES, physiology/ PENTOBARBITAL, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ *SOMATOTROPIN, pharmacodynamics/ SPLEEN, physiology/ SPLENECTOMY/ THYMECTOMY/ THYMIDINE, metabolism/ THYMUS GLAND, physiology/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS/ TRITIUM

650. **Chaudry MA, James KC:** Distribution coefficients and anabolic activities of some nandrolone esters. J Pharm Pharmacol 24:Suppl:174P, Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ ESTERS, pharmacodynamics/ MALE/ *MUSCLES, drug effects/ *NANDROLONE, pharmacodynamics/ ORGAN WEIGHT/ RATS/ SOLUBILITY

651. **Chaurand JP, Vergnes M, Karli P:** Substance grise centrale du mésencéphale et comportement d'agression interspécifique du rat. Physiol Behav 9:475-81, Sep 72 (Fre)
*AGGRESSION/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ FEEDING BEHAVIOR/ HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ NEURAL INTERCONNECTIONS, physiology/ RATS/ SPECIES SPECIFICITY

652. **Chaussain JL:** Glycemic response to 24 hour fast in normal children and children with ketotic hypoglycemia. J Pediatr 82:438-43, Mar 73
ACIDOSIS, etiology/ *ACIDOSIS, metabolism/ *BLOOD SUGAR/ CHILD/ CHILD, PRESCHOOL/ *FASTING/ FEMALE/ GLUCAGON, diagnostic use/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, etiology/ *HYPOGLYCEMIA, metabolism/ INFANT/ KETONE BODIES, urine/ MALE/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ TIME FACTORS

653. **Chaussain JL, Josso N, Aussannaire M:** Association d'une ambiguité sexuelle et d'un hypopituitarisme. Arch Fr Pediatr 29:890, Oct 72 (Fre)
ADOLESCENCE/ ADULT/ CHILD/ *CRYPTORCHISM, complications/ FEMALE/ *FEMINIZATION/ HUMAN/ *HYPOPITUITARISM, complications/ *HYPOSPADIAS, complications/ SEX DETERMINATION/ *SEX DIFFERENTIATION DISORDERS, complications

654. **Chayen J, Loveridge N, Ubhi GS:** The use of menadione as an intermediate hydrogen-carrier for measuring cytoplasmic dehydrogenating enzyme activities. Histochemie 35:75-80, 1973
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *CYTOPLASM, enzymology/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ LIVER, cytology/ LIVER, enzymology/ *OXIDOREDUCTASES, metabolism/ RATS/ *VITAMIN K

655. **Cheah JS, Tan AY:** Coexistence of myasthenia gravis and Hashimoto's thyroiditis in a Chinese woman. Aust NZ J Med 2:412-5, Nov 72
AUTOIMMUNE DISEASES/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, etiology/ *THYROIDITIS, LYMPHOMATOUS, complications

656. **Cheli R, Ciancamerla G:** Erosionen und Ulzerationen des Magens im Verlauf arzneimitteibedingter Gastritiden. Z Gastroenterol 10:659, Dec 72 (Ge
AMINOPYRINE, adverse effects/ ASPIRIN, adverse effects/ DRUG THERAPY, adverse effects/ *GASTRITIS, chemically induced/ GASTRITIS, diagnosis/ GASTROSCOPY/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ INDOMETHACIN, adverse effects/ PENICILLIN, adverse effects/ PHENYLBUTAZONE, adverse effects/ *STOMACH ULCER, chemically induced/ STOMACH ULCER, diagnosis/ SUPPOSITORIES

657. **Chen AT:** Interchromosomal fibres in human ma meiotic chromosomes. Lancet 1:828, 14 Apr
HUMAN/ MALE/ *MEIOSIS/ *SEX CHROMOSOMES

658. **Chen M, McCarry J, Chan MM, et al:** Chick aor pyrophosphatase.
Proc Soc Exp Biol Med 143:44-9, May 73
ANIMAL EXPERIMENTS/ *AORTA, enzymology/ CALCIFICATION, PHYSIOLOGIC CALCIUM, antagonists & inhibitors/ CALCIUM, blood/ CHICKENS/ COLLAGEN, antagonists & inhibitors/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, antagonists & inhibitors/ *PYROPHOSPHATASES, analysi PYROPHOSPHATASES, antagonists & inhibitors

659. **Chen S, Bittar EE, Tong E, et al:** Stimulation by caffei of the calcium efflux in barnacle muscle fibe
Experientia 28:807-9, 15 Jul 72
ANIMAL EXPERIMENTS/ BARNACLES/ *CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ MUSCLE drug effects/ *MUSCLES, metabolism/ SEAWATER

660. **Cheney DL, Hanin I, Massarelli R, et al:** Vinblastine vincristine: a study of their action on tissu concentrations of epinephrine, norepinephrine acetylcholine. Neuropharmacology 12:233-8, Mar
*ACETYLCHOLINE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *EPINEPHRINE, metabolism GANGLIA, SPINAL, metabolism/ MALE/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ RATS/ SALIVARY GLANDS, metabolism/ TELENCEPHALON, metabolism/ *VINBLASTINE, pharmacodynamics/ *VINCRISTINE, pharmacodynamics

661. **Cheon YS, DiStefano V:** Effect of sodium fluoride catecholamine concentrations in tissues from developing rats.
Toxicol Appl Pharmacol 24:468-73, Mar 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, growth & development/ ADRENA GLANDS, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CATECHOLAMINES, metaboli EPINEPHRINE, metabolism/ *FLUORIDES, pharmacodynamics/ HEART, drug effects/ HEART, growth & development/ KIDNEY, drug effects/ KIDNEY, growth & development/ KIDNEY, metaboli LIVER, drug effects/ LIVER, growth & development/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS

662. **Cheren'ko MP:** Razvitie pervichnogo diffuzno toksicheskogo zoba u bol'noi ranee operirovann po povodu eutireoidnogo uzlovogo zoba.
Klin Khir 9:72-3, Sep 72 (Ru
CASE REPORT/ FEMALE/ *GOITER, EXOPHTHALMIC/ *GOITER, NODULAR, surgery/ HUMAN/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ *THYROIDECTOMY

663. **Cherevko SA:** Elektrolitnyi balans i ekskret al'dosteronu pry zakhvoriuvanniakh

zhovchovyvidnykh shliakhiv u ditei.
Pediatr Akush Ginekol 5:21-3, Oct 72 (Ukr)
ADOLESCENCE/ ADULT/ *ALDOSTERONE, urine/ *BILIARY TRACT DISEASES, urine/ CHILD/ FEMALE/ HUMAN/ MALE/ *WATER-ELECTROLYTE BALANCE

664. **Chernisheva NE:** Autoimmunnyĭ tireoidit (limfomatoznyĭ zob, zob Khasimoto.
Med Sestra 32:8-10, Feb 73 (Rus)
SPECIAL LIST NURSING/ THYROIDITIS, LYMPHOMATOUS

665. **Chertow BS, Buchanan WE, Mayron MS, et al:** Hormonal modification of mouse liver lysosomal protein metabolism by cortisone acetate.
Endocrinology 92:722-7, Mar 73
ANIMAL EXPERIMENTS/ CATHEPSIN, metabolism/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LIVER, enzymology/ LIVER, metabolism/ LYSOSOMES, enzymology/ *LYSOSOMES, metabolism/ MALE/ MICE/ *SERUM ALBUMIN, RADIO-IODINATED, metabolism/ VITAMIN A, pharmacodynamics

666. **Chervu LR, Novich I, Blaufox MD:** Fluorotec: a new bone seeker. Radiology 107:435-7, May 73
ANIMAL EXPERIMENTS/ *BONE AND BONES/ FEMUR/ *FLUORIDES/ *KIDNEY/ MICE/ RABBITS/ *RADIOISOTOPE SCANNING/ *TECHNETIUM/ TIBIA/ TIN

667. **Chiang WT, Wei PY:** Immunoglobulins in hydrops fetalis. Am J Obstet Gynecol 114:816-8, 15 Nov 72
BLOOD/ *EDEMA, immunology/ FEMALE/ *FETAL DISEASES, immunology/ FETAL HEMOGLOBIN, analysis/ HEMOGLOBINOMETRY/ HUMAN/ *IGA, analysis/ *IGG, analysis/ *IGM, analysis/ MATERNAL-FETAL EXCHANGE/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, immunology/ SYPHILIS, immunology/ UMBILICAL CORD

668. **Chibber BA, Balasubramanian A, Viswanatha T:** Binding of actinomycin chromophore analogues to DNA. Can J Biochem 51:204-17, Feb 73
ACIDS/ *ACTINOMYCIN/ ACTINOMYCIN, chem synthesis/ ALKALIES/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ DACTINOMYCIN/ *DNA/ DRUG STABILITY/ HYDROGEN-ION CONCENTRATION/ LIGANDS/ MAGNESIUM/ NUCLEAR MAGNETIC RESONANCE/ SALMONIDAE/ SOLVENTS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ TESTIS/ THYMUS GLAND

669. **Chicco CF, Ammerman CB, Feaster JP, et al:** Nutritional interrelationships of dietary calcium, phosphorus and magnesium in sheep.
J Anim Sci 36:986-93, May 73
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CALCIUM, analysis/ CALCIUM, blood/ CALCIUM, urine/ *CALCIUM, DIETARY/ CALCIUM ISOTOPES/ FECES, analysis/ MAGNESIUM, analysis/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ MALE/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ *SHEEP, metabolism

670. **Chidambaram S, Meyer RK, Hasler AD:** Effect of hypophysectomy, isletectomy and ACTH on glycemia and hematocrit in the bullhead, Ictalurus melas.
J Exp Zool 184:75-80, Apr 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *CORTICOTROPIN, physiology/ *FISHES, physiology/ *HEMATOCRIT/ HYPOPHYSECTOMY/ *ISLANDS OF LANGERHANS, physiology/ METHODS/ *PITUITARY GLAND, physiology

671. **Chigot PL:** Action des parathyroïdectomies sur l'hyperparathyroïde secondaire.
Bull Acad Natl Med (Paris) 156:385-90, May 72 (Fre)
HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, therapy/ *PARATHYROID GLANDS, surgery

672. **Chikvashvili AM:** Funktsional'noe sostoianie kory nadpochechnikov u bol'nykh limfogranulematozom.
Vopr Onkol 18:30-5, 1972 (Rus)
ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ CHILD/ CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, physiopathology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE

673. **Chin AK, Seaman R, Kapileshwarker M:** Plasma catecholamine response to exercise and cold adaptation. J Appl Physiol 34:409-12, Apr 73
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *CATECHOLAMINES, blood/ *COLD/ CORTICOSTERONE, blood/ EPINEPHRINE, blood/ *EXERTION/ FLUOROMETRY/ MALE/ NOREPINEPHRINE, blood/ RATS

674. **Chiu J, McLaine PN, Drummond KN:** A controlled prospective study of cyclophosphamide in relapsing, corticosteroid-responsive, minimal-lesion nephrotic syndrome in childhood. J Pediatr 82:607-13, Apr 73
ADOLESCENCE/ ALOPECIA, chemically induced/ CHILD/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ CYSTITIS, chemically induced/ DRUG SYNERGISM/ FEMALE/ HUMAN/ HYPERCHOLESTEREMIA, etiology/ HYPOPROTEINEMIA, etiology/ LEUKOPENIA, chemically induced/ MALE/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES/ PROTEINURIA, drug therapy/ PROTEINURIA, etiology/ RECURRENCE

675. **Chmielnicky OK, Sikejew WW:** Zur Immunmorphologie der experimentellen Kandidose.
Allerg Immunol (Leipz) 18:105-8, 1972 (Ger)
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ CYCLOPHOSPHAMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ FLUORESCENT ANTIBODY TECHNIC/ HYDROCORTISONE, pharmacodynamics/ HYPERSENSITIVITY, DELAYED, pathology/ HYPERSENSITIVITY, IMMEDIATE/ IMMUNITY, drug effects/ IMMUNOSUPPRESSION/ KIDNEY GLOMERULUS, immunology/ MICE/ *MONILIASIS, immunology/ MONILIASIS, pathology/ RETICULOENDOTHELIAL SYSTEM, immunology

676. **Chmielecki A:** W sprawie autoimmunizacji jajników.
Wiad Lek 26:519-21, 15 Mar 73 (Pol)
*AUTOANTIBODIES/ BACTERIAL INFECTIONS, immunology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, etiology/ OVARIAN DISEASES, etiology/ *OVARY, immunology/ OVARY, microbiology

677. **Chodera L, Chwirot E, Pawlowski Z, et al:** Bitoscante: nowe anthelminticum.
Pol Tyg Lek 28:338-40, 26 Feb 73 (Pol)
ADOLESCENCE/ ADULT/ *ANTHELMINTICS/ ANTHELMINTICS, adverse effects/ BENZENE DERIVATIVES, adverse effects/ BENZENE DERIVATIVES, therapeutic use/ CHEMISTRY/ ENGLISH ABSTRACT/ *HOOKWORM INFECTIONS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ THIOCYANATES, adverse effects/ *THIOCYANATES, therapeutic use/ *TRICHURIASIS, drug therapy

678. **Chohan MR:** Primary biliary cirrhosis in twin sisters. Gut 14:213-4, Mar 73
ADULT/ AZATHIOPRINE, therapeutic use/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ LIVER, pathology/ LIVER CIRRHOSIS, OBSTRUCTIVE, drug therapy/ *LIVER CIRRHOSIS, OBSTRUCTIVE, familial & genetic/ LIVER CIRRHOSIS, OBSTRUCTIVE, immunology/ LIVER CIRRHOSIS, OBSTRUCTIVE, pathology/ PREDNISONE, therapeutic use

679. **Chou C, Wurtman R:** Probable nutritional basis for effect of estradiol on rat liver catechol-O-methyl transferase. Life Sci [I] 11:581-5, 15 Jun 72
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CATECHOL METHYLTRANSFERASE, metabolism/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FASTING/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ LIVER, drug effects/ *LIVER, enzymology/ *METHYLTRANSFERASES, metabolism/ *NUTRITION, drug effects/ PROTEINS, metabolism/ RATS

680. **Chow CK, Reddy K, Tappel AL:** Effect of dietary vitamin E on the activities of the glutathione peroxidase system in rat tissues. J Nutr 103:618-24, Apr 73
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CORN/ EPIDIDYMIS/ FISH LIVER OILS, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUTATHIONE/ *GLUTATHIONE REDUCTASE, metabolism/ KIDNEY/ KIDNEY, enzymology/ *LIPIDS, metabolism/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MUSCLES, enzymology/ OILS, pharmacodynamics/ OXIDATION-REDUCTION/ *PEROXIDASES, metabolism/ PEROXIDES, metabolism/ RATS/ TESTIS, enzymology/ *VITAMIN E, pharmacodynamics/ VITAMIN E DEFICIENCY, enzymology/ VITAMIN E DEFICIENCY, metabolism

681. **Chowdhury MN, Salvi VS, Rastogi RC, et al:** Steroids and related products. 38. 11-Aza steroids. 3. The synthesis of 11-aza 9 -steroids. I. Steroids 21:361-81, Mar 73
ACETYLATION/ AMINATION/ AMMONIA/ AZA COMPOUNDS, analysis/ AZA COMPOUNDS, chem synthesis/ BROMINE/ CATALYSIS/ CHROMATOGRAPHY/ HYDROGENATION/ HYDROLYSIS/ KETO ACIDS/ LITHIUM/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ PERCHLORIC ACIDS/ PREGNANES, analysis/ *PREGNANES, chem synthesis/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS

682. **Chrétien FC:** Effets à long terme sur la gestation, chez la ratte, d'un traitement superovulatoire. Ann Endocrinol (Paris) 33:507-16, Sep-Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, chemically induced/ FETUS, drug effects/ *GONADOTROPINS, pharmacodynamics/ LABOR COMPLICATIONS, chemically induced/ NIDATION, drug effects/ *OVULATION, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PREGNANCY COMPLICATIONS, chemically induced/ RATS/ *STERILITY, FEMALE, chemically induced/ UTERUS, drug effects

683. **Chriss JW:** Is myasthenia gravis an autoimmune disease? Tex Med 69:72-4, May 73
ADULT/ *AUTOIMMUNE DISEASES, classification/ CHOLINESTERASE INHIBITORS, therapeutic use/ FEMALE/ HUMAN/ MYASTHENIA GRAVIS, drug therapy/ *MYASTHENIA GRAVIS, immunology/ PREDNISONE, therapeutic use

684. **Christensen CB:** The biological fate of decamethonium. In vivo and in vitro studies. Acta Pharmacol Toxicol [Suppl] (Kbh) 3:3-62, 1972 (105 ref.)
BIOTRANSFORMATION/ BLOOD-BRAIN BARRIER/ BRAIN, metabolism/ DECAMETHONIUM COMPOUNDS, blood/ DECAMETHONIUM COMPOUNDS, cerebrospinal fluid/ *DECAMETHONIUM COMPOUNDS, metabolism/ DECAMETHONIUM COMPOUNDS, pharmacodynamics/ HUMAN/ IN VITRO/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ METABOLIC CLEARANCE RATE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PLACENTA, metabolism/ REVIEW/ STOMACH, metabolism

685. **Christensen NJ:** Diabetic angiopathy and neuropathy. A review with special reference to circulation in the extremities, the effect of hypophysectomy on capillary resistance and capillary permeability, functional abnormalities in early diabetes. Acta Med Scand [Suppl] 541:3-60, 1972 (244 ref.)
ADOLESCENCE/ ADULT/ AGED/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ CAPILLARY PERMEABILITY/ CAPILLARY RESISTANCE/ DIABETIC ANGIOPATHIES, complications/ DIABETIC ANGIOPATHIES, metabolism/ *DIABETIC ANGIOPATHIES, physiopathology/ DIABETIC NEUROPATHIES, metabolism/ *DIABETIC NEUROPATHIES, physiopathology/ *EXTREMITIES, blood supply/ FEMALE/ GANGRENE, etiology/ HUMAN/ HYPOPHYSECTOMY/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiology/ REGIONAL BLOOD FLOW/ REVIEW/ TIME FACTORS

686. **Christenson RK, Pope CE, Zimmerman-Pope VA, et al:** Synchronization of estrus and ovulation in superovulated gilts. J Anim Sci 36:914-8, May 73
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ METHODS/ *OVULATION, drug effects/ PREGNANCY/ REPRODUCTION, drug effects/ *SWINE/ THIOUREA, pharmacodynamics

687. **Christiansen C, Rodbro P, Lund M:** Effect of vitamin D on bone mineral mass in normal subjects and in epileptic patients on anticonvulsants: a controlled therapeutic trial. Br Med J 2:206-9, 28 Apr 73
ABSORPTION/ ADULT/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CALCIUM, therapeutic use/ CLINICAL RESEARCH/ *DIPHENYLHYDANTOIN, therapeutic use/ *EPILEPSY, drug therapy/ EPILEPSY, metabolism/ FEMALE/ HUMAN/ LIGHT/ MALE/ MIDDLE AGE/ *MINERALS, metabolism/ PLACEBOS/ TIME FACTORS/ VITAMIN D, pharmacodynamics/ *VITAMIN D therapeutic use

688. **Christov K, Bollmann R, Thomas C:** Thyroid follicula cell proliferation as a function of age. Beitr Pathol 148:152-64, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ MALE/ METHYLTHIOURACIL, pharmacodynamics/ *MITOSIS/ ORGAN WEIGHT/ RATS/ THYMIDINE/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, cytology/ THYROID GLAND, drug effects/ TIME FACTORS/ TRITIUM

689. **Chudakov MI, Shkliarov SKh:** Primenenie proteoliticheskikh fermentov pri lechenii vospaleitel'nykh zabolevanii miagkikh tkanei. Khirurgiia (Mosk) 49:87-91, Feb 72 **(Ru**
ANIMAL EXPERIMENTS/ CHYMOTRYPSIN, therapeutic use/ DOGS/ ENGLISH ABSTRACT/ GRANULATION TISSUE, drug effects/ HUMAN/ *PEPTIDE HYDROLASES, therapeutic use/ RENIN, therapeutic use/ *SURGICAL WOUND INFECTION, drug

therapy/ SUTURES/ TRYPSIN, therapeutic use/ WOUND HEALING, drug effects

690. **Chudinovskaia GA, Ivanenko GF:** Vliianie fraktsionirovannogo obluchenila na radiochuvstvitel'nost' i khod raparatsionnykh protsessov v ontogeneze u myshei.
Zh Obshch Biol 34:305-14, Mar-Apr 73 (Rus)
ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, radiation effects/ ANIMAL EXPERIMENTS/ BODY WEIGHT, radiation effects/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, radiation effects/ KIDNEY, growth & development/ KIDNEY, radiation effects/ LIVER, growth & development/ LIVER, radiation effects/ MALE/ MICE/ ORGAN WEIGHT/ PREGNANCY/ *RADIATION DOSAGE/ *RADIATION EFFECTS/ SPLEEN, growth & development/ SPLEEN, radiation effects/ TESTIS, growth & development/ TESTIS, radiation effects/ THYMUS GLAND, growth & development/ THYMUS GLAND, radiation effects

691. **Cianfriglia F:** Attuali vedute in tema di somatomedina (fattore di solfatazione.
Folia Endocrinol (Roma) 26:71-84, Feb 73 (Ita)
ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CARTILAGE, growth & development/ CARTILAGE, ARTICULAR, drug effects/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPOPHYSECTOMY/ IN VITRO/ LIVER, metabolism/ MALE/ RADIOIMMUNOASSAY/ RATS/ SOMATOMEDIN, biosynthesis/ *SOMATOMEDIN, blood/ SOMATOMEDIN, pharmacodynamics/ SOMATOTROPIN, pharmacodynamics/ SULFUR ISOTOPES

692. **Ciaranello RD, Barchas R, Kessler S, et al:** Catecholamines: strain differences in biosyntbetic enzyme activity in mice.
Life Sci [I] 11:565-72, 15 Jun 72
S-ADENOSYLMETHIONINE, metabolism/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBON ISOTOPES/ *CATECHOLAMINES, metabolism/ DOPA, biosyntbesis/ EPINEPHRINE, biosyntbesis/ MALE/ METHYLATION/ *METHYLTRANSFERASES, metabolism/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED DBA/ NOREPINEPHRINE, biosyntbesis/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ *TYROSINE HYDROXYLASE, metsbolism

693. **Ciaranello RD, Jacobowitz D, Axelrod J:** Effect of dexamethasone on phenylethanolamine N-metbyltransferase in chromaffin tissue of tbe neonatal rat. J Neurocbem 20:799-805, Mar 73
ACETYLTRANSFERASES, metabolism/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CHOLINE/ CHROMAFFIN SYSTEM, drug effects/ *CHROMAFFIN SYSTEM, enzymology/ *DEXAMETHASONE, pbarmacodynamics/ FEMALE/ GANGLIA, AUTONOMIC, cytology/ GLUCOCORTICOIDS, pharmacodynamics/ HISTOCYTOCHEMISTRY/ *METHYLTRANSFERASES, metsbolism/ MICROSCOPY, FLUORESCENCE/ NERVE DEGENERATION, drug effects/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ PREGNANCY/ RATS/ TIME FACTORS

694. **Ciemiewski C:** Prostsglandyny.
Postepy Biocbem 19:5-18, 1973 (Pol)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosyntbesis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, metabolism/ CHEMISTRY/ DOGS/ ENGLISH ABSTRACT/ FATTY ACIDS, UNSATURATED, metabolism/ FEEDBACK/ FROGS/ HUMAN/ MUSCLE, SMOOTH, drug effects/ PITUITARY HORMONES, biosyntbesis/ *PROSTAGLANDINS/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metaholism/ PROSTAGLANDINS, pbysiology/ SEMEN, analysis/ SHEEP/ SOMATOTROPIN, biosyntbesis/ STIMULATION, CHEMICAL/ SWINE

695. **Clofalo FR:** Prostaglandins and synaptosomal transport of 3 H-norepinephrine and 3 H-5-hydroxytryptamine.
Res Commun Cbem Patbol Pharmacol 5:551-4, Mar 73
ANIMAL EXPERIMENTS/ IN VITRO/ MORPHINE, pharmacodynamics/ *NERVE ENDINGS, metabolism/ *NOREPINEPHRINE, metsbolism/ OUABAIN, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRITIUM

696. **Cirstea M, Boroș I, Suhaciu G, et al:** Asupra antigenicității unor tisulare injectabile. I.
Fiziol Norm Patol 19:157-64, Mar-Apr 73 (Rum)
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS, analysis/ CHYMOTRYPSIN/ CORTICOTROPIN/ ENGLISH ABSTRACT/ *EYE, immunology/ GUINEA PIGS/ HEMAGGLUTINATION TESTS/ HEPARIN/ PANCREAS, immunology/ PITUITARY GLAND, immunology/ RABBITS/ *THYMUS GLAND, immunology/ *TISSUE EXTRACTS

697. **Civatte J, Blanchet P, Saurat JH, et al:** Pemphigus vulgaire. Récidive neuf ans après interruption brutale de la corticotbérapie.
Bull Soc Fr Dermatol Syphiligr 79:106-7, 1972 (Fre)
*ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ MOUTH DISEASES, drug therapy/ *PEMPHIGUS, drug tberapy/ RECURRENCE/ TRIAMCINOLONE, tberapeutic use

698. **Clabough JW:** Cytological aspects of pineal development in rats and hamsters.
Am J Anat 137:215-29, Jun 73
ANIMAL EXPERIMENTS/ CYTOPLASM/ EVOLUTION/ GESTATIONAL AGE/ *HAMSTERS, anatomy & histology/ HISTOLOGY, COMPARATIVE/ MICROSCOPY, ELECTRON/ PHOTORECEPTORS, embryology/ *PINEAL BODY, cytology/ PINEAL BODY, embryology/ *RATS, anatomy & histology

699. **Clark BF:** The effect of oestrogen and progesterone on uterine cell division and epitbelial morpbology in spayed-hypopbysectomized rats.
J Endocrinol 56:341-2, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ EPITHELIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ *MITOSIS, drug effects/ *OVARY, physiology/ *PITUITARY GLAND, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ *UTERUS, drug effects

700. **Clark CM Jr, Beatty B, Allen DO:** Evidence for delayed development of tbe glucagon receptor of adenylate cyclase in the fetal and neonatal rat heart.
J Clin Invest 52:1018-25, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLUCAGON/ GLUCAGON, pharmacodynamics/ GLYCOLYSIS/ HEART, drug effects/ *HEART, embryology/ LIVER, enzymology/ LIVER GLYCOGEN, metsbolism/ MYOCARDIUM, enzymology/ MYOCARDIUM, metaholism/ RATS/ *RECEPTORS, HORMONE/ TIME FACTORS

701. **Clark DG, Hilaris B, Roussis C, et al:** The role of radiation therapy (including isotopes) in the treatment of cancer of the ovary (results of 614 patients treated at Memorial Hospital, New York, N.Y.). Prog Clin Cancer 5:227-35, 1973
EVALUATION STUDIES/ FEMALE/ GOLD ISOTOPES, therapeutic use/ HUMAN/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ PHOSPHORUS ISOTOPES, therapeutic use

702. **Clarke DE:** Sympathetic nervous system and deoxycorticosterone-saline hypertension.
Circ Res 32:536-7, Apr 73
ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CORTICOSTERONE/ DISEASE MODELS, ANIMAL/ HYDROXYDOPAMINE/ *HYPERTENSION, chemically induced/ HYPERTENSION, physiopathology/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology

703. **Clarke RS:** Anaesthesia and carbohydrate metabolism.
Br J Anaesth 45:237-43, Mar 73 (66 ref.)
*ACIDOSIS, etiology/ *ANESTHESIA/ ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES, blood/ BLOOD SUGAR/ *CARBOHYDRATES, metabolism/ CARBON DIOXIDE, metabolism/ CYCLOPROPANE/ ETHYL ETHER/ HORMONES, blood/ HUMAN/ HYPERGLYCEMIA, etiology/ LACTATES, blood/ NITROUS OXIDE/ PYRUVATES, blood/ REVIEW/ SURGERY, OPERATIVE/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ THIOPENTAL/ TUBOCURARINE

704. **Clarkson DR, Biondin J, Cryer PE:** Phosphate depletion and glucocorticoid-induced hyperphosphatemia in lymphoblastic leukemia. Metabolism 22:611-6, Apr 73
ADENOSINE TRIPHOSPHATE, blood/ ADULT/ ANTACIDS, administration & dosage/ *ANTACIDS, adverse effects/ CALCIUM CARBONATE, administration & dosage/ *CALCIUM CARBONATE, adverse effects/ ERYTHROCYTES, analysis/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ PHOSPHORUS METABOLISM DISORDERS, blood/ *PHOSPHORUS METABOLISM DISORDERS, chemically induced/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SELF MEDICATION

705. **Clary JJ, Stokinger HE:** The mechanism of delayed biologic response following beryllium exposure.
J Occup Med 15:255-9, Mar 73
ADRENAL GLAND HYPOFUNCTION, chemically induced/ ADRENAL GLAND HYPOFUNCTION, metabolism/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BERYLLIUM, metabolism/ *BERYLLIUM, toxicity/ BODY WEIGHT/ BONE AND BONES, metabolism/ FEMALE/ GUINEA PIGS/ HEPATITIS, TOXIC, etiology/ KIDNEY DISEASES, chemically induced/ LIVER, drug effects/ LIVER, metabolism/ LUNG, metabolism/ LUNG DISEASES, chemically induced/ MALE/ METYRAPONE/ MICE/ MINERALOCORTICOIDS, pharmacodynamics/ PREGNANCY/ RATS/ STRESS/ TIME FACTORS

706. **Classen HG, Marquardt P, Späth M, et al:** Vergleichende tierexperimentelle Untersuchungen über die Resorption von Magnesium als Sulfat, Chlorid, Aspartat und Aspartat-Hydrochlorid aus dem Magen-Darm-Trakt.
Arzneim Forsch 23:267-71, Feb 73 (Ger)
ANIMAL EXPERIMENTS/ *ASPARTIC ACID, metabolism/ BONE AND BONES, analysis/ BRAIN CHEMISTRY/ CATS/ *CHLORIDES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY/ INTESTINAL ABSORPTION/ KIDNEY, analysis/ LIVER, analysis/ MAGNESIUM, administration & dosage/ MAGNESIUM, analysis/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ *MAGNESIUM SULFATE, metabolism/ MALE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ RATS

707. **Clavert A, Gerber R:** Greffes intratesticulaires de cristallins isolés ou associés à de la rétine.
C R Soc Biol (Paris) 166:1095-8, 1972 (Fre)
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ EYE, embryology/ GERM LAYERS, transplantation/ GESTATIONAL AGE/ *LENS, CRYSTALLINE, embryology/ LENS, CRYSTALLINE, transplantation/ METHODS/ MICE/ MORPHOGENESIS/ *RETINA, embryology/ TESTIS/ TRANSPLANTATION, HOMOLOGOUS

708. **Clayson DB, Bedford AJ, Turner R:** Acute response of the mouse bladder to derivatives of 4-ethylsulphonylnaphthalene-1-sulphonamide and bladder carcinogens measured by the uptake of (125 I)5-Iodo-2 -deoxyuridine.
Chem Biol Interact 6:107-18, Feb 73
ANIMAL EXPERIMENTS/ *BLADDER, drug effects/ BLADDER, enzymology/ BLADDER, metabolism/ CARBONIC ANHYDRASE, antagonists & inhibitors/ CARBONIC ANHYDRASE, metabolism/ *CARCINOGENS, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ DNA, metabolism/ ESTRONE, pharmacodynamics/ *IDOXURIDINE, metabolism/ IODINE ISOTOPES/ MICE/ MICE, INBRED STRAINS/ *NAPHTHALENES, pharmacodynamics/ NITROSAMINES, pharmacodynamics/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SULFONAMIDES, pharmacodynamics

709. **Clément F:** La place de la chimiothérapie dans le traitement des cancers bronchiques primitifs.
Bronches 22:176-89, May-Jun 72 (Fre
ADULT/ ALKYLATING AGENTS, therapeutic use/ ANTICOAGULANTS, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BRONCHIAL NEOPLASMS, drug therapy/ BRONCHIAL NEOPLASMS, radiography/ *CARCINOMA, BRONCHIOLAR, drug therapy/ CARCINOMA, BRONCHIOLAR, radiography/ CARCINOMA, BRONCHOGENIC, drug therapy/ CARCINOMA, EPIDERMOID, drug therapy/ CARCINOMA, OAT CELL, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ FLUOROURACIL, therapeutic use/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS, drug therapy/ PREDNISONE, therapeutic use/ TRIAZIQUONE, therapeutic use/ VINCRISTINE, therapeutic use

710. **Clements AS, Newsome HH Jr:** Assay of cortiso corticosterone, 11-deoxycortisol and cortisone i ovine peripheral and adrenal venous plasma.
J Endocrinol 56:413-9, Mar 73
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, secretion/ ADRENAL GLANDS, transplantation/ ANGIOTENSIN AMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ CORTISONE, secretion/ FEMALE/ *HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ METYRAPONE, pharmacodynamics/ PROTEIN BINDING/ SECRETORY RATE, drug effects/ SHEEP/ TRANSPLANTATION, AUTOLOGOUS

711. **Clifford JM, Taberner PV, Tunnicliff G, et a** Biochemical and pharmacological actions of imidazoleacetic acid.
Biochem Pharmacol 22:535-42, 15 Feb 73
*ACETIC ACIDS, pharmacodynamics/ AMINO ACIDS, analysis/ AMINOBUTYRIC ACID, metabolism/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ BRAI enzymology/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CARBON ISOTOPES/ *DOPAMINE, metabolism/ GLUCOSE, metabolism/ *GLUTAMATES, metabolism/

*GLUTAMINE, metabolism/ HYDROXYBUTYRATES, pharmacodynamics/ *IMIDAZOLES, pharmacodynamics/ IN VITRO/ MALE/ MICE/ *NOREPINEPHRINE, metabolism/ PENTOBARBITAL, pharmacodynamics/ *SEROTONIN, metabolism

712. **Coculescu M, Pavel S:** Arginine vasotocin-like activity of cerebrospinal fluid in diabetes insipidus. J Clin Endocrinol Metab 36:1031-2, May 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ ARGININE/ BLADDER, drug effects/ CHICKENS/ *DIABETES INSIPIDUS, cerebrospinal fluid/ DIURESIS, drug effects/ FEMALE/ FROGS/ HUMAN/ MALE/ MIDDLE AGE/ OVIDUCTS, drug effects/ RATS/ THIOGLYCOLATES, pharmacodynamics/ TRYPSIN, pharmacodynamics/ *VASOTOCIN, cerebrospinal fluid

713. **Cofaru D, Boeru IN, Fekete T:** Corelaţii între diabetul zabarat experimental şi ateroscleroză. II. Rolul tiroidei în corelaţie cu corticosuprarenala. Stud Cercet Med Interna 13:551-4, 1972 (Rum)
ADRENAL GLAND HYPERFUNCTION, complications/ *ADRENAL GLAND HYPERFUNCTION, etiology/ ANIMAL EXPERIMENTS/ ARTERIES, metabolism/ *ARTERIOSCLEROSIS, etiology/ *DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, etiology/ *LIPIDS, metabolism/ RABBITS/ THYROID GLAND, physiopathology/ THYROID HORMONES, secretion

714. **Coffman JR:** Refractory laminitis. Vet Clin N Amer 3:291-300, May 73 (13 ref.)
ANIMAL EXPERIMENTS/ FOOT DISEASES, complications/ FOOT DISEASES, drug therapy/ FOOT DISEASES, etiology/ FOOT DISEASES, metabolism/ FOOT DISEASES, pathology/ FOOT DISEASES, surgery/ FOOT DISEASES, therapy/ FOOT DISEASES, veterinary/ GLUCOCORTICOIDS, therapeutic use/ *HOOF AND CLAW/ HOOF AND CLAW, metabolism/ HORSE DISEASES, drug therapy/ HORSE DISEASES, etiology/ HORSE DISEASES, metabolism/ HORSE DISEASES, pathology/ HORSE DISEASES, surgery/ *HORSE DISEASES, therapy/ HORSES/ METHIONINE, therapeutic use/ MICROCIRCULATION/ REVIEW

715. **Cohen J, Whitbeck AA, Karch FE:** Conserving effect of thyroid hormone on myocardial ATP stores in vitro. Cardiovasc Res 7:196-200, Mar 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ CARBON ISOTOPES/ HEART, drug effects/ HEART ATRIUM, metabolism/ IN VITRO/ LACTATES, biosyntbesis/ LEUCINE, metabolism/ *MYOCARDIUM, metabolism/ PROTEINS, biosyntbesis/ RATS/ *THYROXINE, pharmacodynamics

716. **Cohen M, Haour F, Dumont M, et al:** Prognostic value of human chorionic somatomammotropin plasma levels in diabetic patients. Am J Obstet Gynecol 115:202-10, 15 Jan 73
FEMALE/ *FETAL DEATH, diagnosis/ FETAL DEATH, etiology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ PREGNANCY/ *PREGNANCY IN DIABETES/ PREGNANCY IN DIABETES, blood/ PREGNANCY IN DIABETES, complications/ PROGNOSIS/ *PROLACTIN, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TIME FACTORS

717. **Cohen MM, MacGillivray MH, Capraro VJ, et al:** Human dicentric Y chromosomes. Case report and review of the literature. J Med Genet 10:74-9, Mar 73
CHILD/ FEMALE/ HUMAN/ KARYOTYPING/ MEIOSIS/ MITOSIS/ *MOSAICISM/ PHENOTYPE/ SEX CHROMATIN/ *SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic

718. **Cohen P:** The subunit structure of rabbit-skeletal-muscle phospborylase kinase, and the molecular basis of its activation reactions. Eur J Biocbem 34:1-14, 2 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION, drug effects/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GLYCEROPHOSPHATES/ GLYCOGEN PHOSPHORYLASE/ HYDROGEN-ION CONCENTRATION/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ MUSCLES, enzymology/ *PHOSPHORYLASE KINASE, analysis/ PHOSPHORYLASE KINASE, isolation & purification/ PROTEIN DENATURATION, drug effects/ PROTEIN KINASE/ RABBITS/ SODIUM DODECYL SULFATE/ TRYPSIN/ ULTRACENTRIFUGATION

719. **Cohen SH, Ehrlich GE, Kauffman MS, et al:** Thrombophlebitis following knee surgery. J Bone Joint Surg [Am] 55:106-12, Jan 73
ADULT/ ANESTHESIA, GENERAL/ ANESTHESIA, SPINAL/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, surgery/ DEBRIDEMENT/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ HEPARIN, therapeutic use/ HUMAN/ *KNEE, surgery/ LEG, blood supply/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, drug therapy/ *OSTEOARTHRITIS, surgery/ OSTEOTOMY/ PHLEBOGRAPHY/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, etiology/ SYNOVIAL MEMBRANE, surgery/ THROMBOPHLEBITIS, drug therapy/ *THROMBOPHLEBITIS, etiology/ TOURNIQUETS, adverse effects/ VEINS

720. **Cohen SM, Weiner MJ, Greenspan EM:** 1,3-Bis(2-chloroetbyl)-1-nitrosourea (BCNU; NSC-409962) given alone and combined with antimetabolites in the treatment of advanced solid tumors. Cancer Cbemother Rep 56:751-4, Dec 72
*ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ COLONIC NEOPLASMS, drug therapy/ CYSTADENOMA, PAPILLARY, drug therapy/ CYTARABINE, therapeutic use/ FEMALE/ HUMAN/ LEUKOPENIA, chemically induced/ LUNG NEOPLASMS, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ NAUSEA, chemically induced/ NEOPLASM METASTASIS/ *NEOPLASMS, drug therapy/ NITROSOUREA COMPOUNDS, adverse effects/ *NITROSOUREA COMPOUNDS, therapeutic use/ OVARIAN NEOPLASMS, drug therapy/ STOMACH NEOPLASMS, drug therapy/ VOMITING, chemically induced

721. **Cohn CK, Ball GG, Hirsch J:** Histamine: effect on self-stimulation. Science 180:757-8, 18 May 73
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ HISTIDINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ RATS/ *SELF STIMULATION, drug effects/ STEREOTAXIC TECHNICS

722. **Colasanti BK, Craig CR:** Brain concentrations and synthesis rates of biogenic amines during chronic cobalt experimental epilepsy in the rat. Neuropharmacology 12:221-31, Mar 73
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, antagonists & inhibitors/ *BIOGENIC AMINES, biosynthesis/ *BRAIN, metabolism/ *COBALT/ *CONVULSIONS, chemically induced/ CONVULSIONS, metabolism/ DOPAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism

723. **Colbert JW Jr:** Contributions of the biological sciences to human welfare. II. Basic biomedicine. Fed Proc 31:19-32, Nov-Dec 72

CARDIOVASCULAR DISEASES, prevention & control/ COSTS AND COST ANALYSIS/ DIÁBETES MELLITUS, metabolism/ ENZYMES, metabolism/ FEMALE/ GASTROINTESTINAL SYSTEM, physiology/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HORMONES, physiology/ HUMAN/ INSULIN, physiology/ LUNG, physiology/ MALE/ *MEDICINE/ MENTAL DISORDERS, prevention & control/ METABOLISM/ MOLECULAR BIOLOGY/ MORTALITY/ NERVOUS SYSTEM, physiology/ PEPTIC ULCER, etiology/ *PHYSIOLOGY/ PROTEINS, physiology/ REPRODUCTION/ RESPIRATION/ UNITED STATES

724. **Colby HD, Gaskin JH, Kitay JI:** Requirement of the pituitary gland for gonadal hormone effects on hepatic corticosteroid metabolism in rats and hamsters. Endocrinology 92:769-74, Mar 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ ESTRADIOL, pharmacodynamics/ HALF-LIFE/ HAMSTERS/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ HYPOPHYSECTOMY/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ OXIDOREDUCTASES, metabolism/ *PITUITARY GLAND, physiology/ RATS/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ THYROID GLAND, physiology/ THYROIDECTOMY/ TRITIUM

725. **Colcock BP:** Toward fewer complications in surgery. Surg Clin North Am 53:485-93, Apr 73
CHOLECYSTECTOMY/ COLITIS, ULCERATIVE, surgery/ COLON, surgery/ DIVERTICULITIS, COLONIC, surgery/ DUODENAL ULCER, surgery/ ENTERITIS, REGIONAL, surgery/ GASTRECTOMY/ HUMAN/ METHODS/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ THYROIDECTOMY/ VAGOTOMY

726. **Coleoni AH:** Effects of the administration of catecholamine-depleting drugs on the thyroid function of the rat. Pharmacology 8:300-10, 1972
AMINOCAPROIC ACID, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CATECHOLAMINES, antagonists & inhibitors/ COLD/ GUANETHIDINE, pharmacodynamics/ HALF-LIFE/ HYPOTHALAMUS, metabolism/ IODINE ISOTOPES/ MALE/ METHYLTYROSINES, pharmacodynamics/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ RESERPINE, pharmacodynamics/ TETRABENAZINE, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROTROPIN, metabolism

727. **Collan Y, Lörincz G, Laine V:** Deposition of osmium in rheumatoid synovial tissue after intra-articular injection of osmic acid. A histological and electron microscopical study. Scand J Rheumatol 1:27-31, 1972
ADIPOSE TISSUE, pathology/ *ARTHRITIS, RHEUMATOID, pathology/ HISTIOCYTES/ HUMAN/ INFLAMMATION/ INJECTIONS, INTRA-ARTICULAR/ KNEE JOINT/ LIDOCAINE, therapeutic use/ MICROSCOPY, ELECTRON/ OSMIUM, administration & dosage/ *OSMIUM, therapeutic use/ PREDNISOLONE, therapeutic use/ *SYNOVIAL MEMBRANE, pathology/ SYNOVIAL MEMBRANE, surgery

728. **Collett RA, Land RB, Baird DT:** The pattern of progesterone secretion by the autotransplanted ovary of the ewe in response to ovine luteinizing hormone. J Endocrinol 56:403-11, Mar 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ *LH, pharmacodynamics/ OVARY, blood supply/ OVARY, drug effects/ *OVARY, secretion/ OVARY, transplantation/ PROGESTERONE, blood/ *PROGESTERONE, secretion/ PROTEIN BINDING/ SECRETORY RATE, drug effects/ *SHEEP, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

729. **Collier JG, Herman AG, Vane JR:** Appearance of prostaglandins in the renal venous blood of dogs in response to acute systemic hypotension produced by bleeding or endotoxin. J Physiol (Lond) 230:19P-20P, Apr 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ DOGS/ ENDOTOXINS/ FEMALE/ HEMORRHAGE/ HYPOTENSION, chemically induced/ INDOMETHACIN, pharmacodynamics/ KIDNEY, drug effects/ MALE/ *PROSTAGLANDINS, blood/ *RENAL VEINS

730. **Collier JG, Karim SM, Robinson B, et al:** Effect of prostaglandins A 1 ,A 2 ,B 1 ,E 2 and F 2 on the forearm arterial bed of man. Br J Pharmacol 46:551P-552P, Nov 72
*ARTERIES, drug effects/ BLOOD FLOW VELOCITY/ *FOREARM, blood supply/ HUMAN/ PLETHYSMOGRAPHY/ *PROSTAGLANDINS, pharmacodynamics

731. **Collier PS:** Prescribing of oral contraceptives. Lancet 1:1132-3, 19 May 73
*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ NORTHERN IRELAND/ *PRESCRIPTIONS

732. **Collins EJ, Aschenbrenner J, Nakahama M:** Biologic activity of 16 -methyldichlorisone-17-butyrate in the rat and dog. Steroids 21:443-55, Mar 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, TOPICAL, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ BUTYRATES, administration & dosage/ BUTYRATES, pharmacodynamics/ BUTYRATES, therapeutic use/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DOGS/ EOSINOPHILS, drug effects/ EVALUATION STUDIES/ EXUDATES AND TRANSUDATES/ FEMALE/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, pharmacodynamics/ MALE/ PREGNADIENES, administration & dosage/ *PREGNADIENES, pharmacodynamics/ RATS/ THYMUS GLAND, drug effects

733. **Collins JA, Jaffe BM:** Effects of prostaglandins on the affinity of hemoglobin for oxygen in human whole blood in vitro. Prostaglandins 3:59-66, Jan 73
HEMOGLOBIN/ HUMAN/ IN VITRO/ OXYGEN, blood/ OXYGEN CONSUMPTION/ OXYHEMOGLOBIN/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION

734. **Collipp PJ, Thomas J, Curti V, et al:** Body composition changes in children receiving human growth hormone. Metabolism 22:589-95, Apr 73
ADIPOSE TISSUE/ ADOLESCENCE/ *BODY COMPOSITION/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GROWTH DISORDERS, drug therapy/ HUMAN/ MALE/ PITUITARY GLAND FUNCTION TESTS/ POTASSIUM, metabolism/ SKINFOLD THICKNESS/ *SOMATOTROPIN, therapeutic use

735. **Collu R, Jéquier JC, Letarte J, et al:** Effect of stress and hypothalamic deafferentation on the secretion o growth hormone in the rat. Neuroendocrinology 11:183-90, 1973
ACOUSTIC STIMULATION/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ETHYL ETHER/

*HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ MALE/ METHYLTYROSINES, pharmacodynamics/ NEURAL TRANSMISSION/ PITUITARY GLAND, physiopathology/ *PITUITARY GLAND, secretion/ RATS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ *STRESS, physiopathology

736. Colnaghi MI, Della Porta G: Evidence for virus-related and unrelated antigens on murine lymphomas induced by chemical carcinogens.
J Natl Cancer Inst 50:173-80, Jan 73
ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM/ *ANTIGENS, VIRAL/ BENZANTHRACENES/ *CARCINOGENS/ CELL MEMBRANE, immunology/ COMPLEMENT/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ GROSS VIRUS, immunology/ LEUKEMIA, EXPERIMENTAL, immunology/ *LYMPHOMA, chemically induced/ LYMPHOMA, immunology/ LYMPHOSARCOMA, chemically induced/ LYMPHOSARCOMA, immunology/ MALE/ MICE/ MICE, INBRED C57BL/ NITROSOUREA COMPOUNDS/ SARCOMA, EXPERIMENTAL, chemically induced/ SARCOMA, EXPERIMENTAL, immunology/ THYMUS NEOPLASMS, chemically induced/ THYMUS NEOPLASMS, immunology/ URETHANE

737. Coman C, Dobrinov H, Dimitriu M, et al: Problèmes actuels des goitres endothoraciques.
J Fr Med Chir Thorac 26:349-61, Jul-Aug 72 (Fre)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ ESOPHAGUS, radiography/ FEMALE/ GOITER, SUBSTERNAL, complications/ *GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, surgery/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ LUNG, radiography/ MALE/ *MEDIASTINAL NEOPLASMS, diagnosis/ MIDDLE AGE/ TOMOGRAPHY, RADIOGRAPHIC

738. Compton WA: Nutrition in our society.
Ann Clin Lab Sci 3:66-72, Jan-Feb 73 (10 ref.)
AGRICULTURE/ ASCORBIC ACID DEFICIENCY, occurrence/ CHILD/ CORONARY DISEASE, occurrence/ DEFICIENCY DISEASES/ DIETARY FATS, adverse effects/ FOOD, FORTIFIED/ HUMAN/ MINERALS, metabolism/ *NUTRITION DISORDERS, occurrence/ POVERTY/ REVIEW/ UNITED STATES/ URBAN POPULATION/ VITAMIN A DEFICIENCY, occurrence/ VITAMIN D DEFICIENCY, occurrence/ VITAMINS, metabolism

739. Conacher WD: Metabolic bone disease in the elderly.
Practitioner 210:351-6, Mar 73
AGED/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, pathology/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ MALE/ *OSTEOMALACIA, diagnosis/ OSTEOMALACIA, radiography/ OSTEOMALACIA, therapy/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, therapy

740. Conde RD, Paladini AC, Santomé JA, et al: Isolation, purification and characterization of equine growth hormone. Eur J Biochem 32:563-8, 1 Feb 73
AMINO ACIDS, analysis/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ ELECTROPHORESIS, DISK/ GEL FILTRATION/ HORSES/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ MOLECULAR WEIGHT/ PIGEONS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ SHEEP/ SODIUM DODECYL SULFATE/ *SOMATOTROPIN, isolation & purification/ SWINE/ ULTRACENTRIFUGATION

741. Condie MW, Adams RM: Influence of oral prednisone on patch-test reactions to Rhus antigen.
Arch Dermatol 107:540-3, Apr 73
ADMINISTRATION, ORAL/ ADULT/ *ANTIGENS/ FALSE NEGATIVE REACTIONS/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ POISON IVY DERMATITIS, immunology/ *PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ *RHUS/ *SKIN TESTS

742. Condon PI, Serjeant GR, Ikeda H: Unusual chorioretinal degeneration in sickle cell disease. Possible sequelae of posterior ciliary vessel occlusion.
Br J Ophthalmol 57:81-8, Feb 73
ADULT/ *ANEMIA, SICKLE CELL, complications/ ATROPHY/ CATARACT EXTRACTION, adverse effects/ *CHOROID/ *CILIARY BODY, blood supply/ DEXAMETHASONE, therapeutic use/ EDEMA/ EYE DISEASES, drug therapy/ EYE DISEASES, etiology/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ HUMAN/ MIDDLE AGE/ *RETINAL DEGENERATION, etiology/ RETINAL DETACHMENT/ THALASSEMIA, complications/ VISUAL ACUITY/ VISUAL FIELDS

743. Condos P: Experience with gynaecological laparoscopy.
Aust NZ J Obstet Gynaecol 12:188-93, Aug 72
AMENORRHEA, diagnosis/ COLON, injuries/ ELECTROCOAGULATION/ ENDOMETRIOSIS, diagnosis/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HIRSUTISM, diagnosis/ HUMAN/ HYSTEROSALPINGOGRAPHY/ INTESTINAL PERFORATION, etiology/ *LAPAROSCOPY/ LAPAROSCOPY, adverse effects/ OVARIAN NEOPLASMS, diagnosis/ PNEUMOPERITONEUM, ARTIFICIAL, adverse effects/ PREGNANCY/ PREGNANCY, TUBAL, diagnosis/ STERILITY, FEMALE, diagnosis/ *STERILIZATION, TUBAL/ UTERINE NEOPLASMS, diagnosis

744. Conger J, Farrell T, Douglas S: Lupus nephritis complicated by fatal disseminated coccidioidomycosis. Calif Med 118:60-5, Feb 73
ADULT/ *COCCIDIOIDOMYCOSIS, etiology/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSION, adverse effects/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *NEPHRITIS, complications/ NEPHRITIS, drug therapy/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

745. Coniglio LP, Paup DC, Clemens LG: Hormonal specificity in the suppression of sexual receptivity of the female golden hamster.
J Endocrinol 57:55-61, Apr 73
ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOMETRY/ *DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ GENITALIA, FEMALE, drug effects/ HAMSTERS/ PROGESTERONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ *TESTOSTERONE, pharmacodynamics/ VAGINA, anatomy & histology/ VAGINA, drug effects

746. Conn J Jr, Krumlovsky FA, Del Greco F, et al: Calciphylaxis: etiology of progressive vascular calcification and gangrene?
Ann Surg 177:206-10, Feb 73
ADULT/ AUTOPSY/ AZATHIOPRINE, therapeutic use/ CALCINOSIS, etiology/ CALCIPHYLAXIS, complications/ *CALCIPHYLAXIS, etiology/ CALCIPHYLAXIS, pathology/ CALCIPHYLAXIS, therapy/ FEMALE/ *GANGRENE, etiology/ GRAFT REJECTION/ HAND, blood supply/ HUMAN/ ISCHEMIA, etiology/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, complications/ LEG, blood supply/ PARATHYROID GLANDS, surgery/ *POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ *VASCULAR DISEASES, etiology

747. Conn JW, Cohen EL, McDonald WJ, et al: The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular

cell tumor (primary reninism).
J Urol 109:349-55, Mar 73
ADOLESCENCE/ CIRCADIAN RHYTHM/ CYTOPLASMIC GRANULES/ FLUORESCENT ANTIBODY TECHNIC/ HORMONES, ECTOPIC/ HUMAN/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, etiology/ *JUXTAGLOMERULAR APPARATUS/ JUXTAGLOMERULAR APPARATUS, pathology/ JUXTAGLOMERULAR APPARATUS, physiopathology/ KIDNEY NEOPLASMS, complications/ *KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, physiopathology/ MALE/ MICROSCOPY, ELECTRON/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ RENIN, blood/ *RENIN, secretion

748. **Conn JW, Cohen EL, McDonald WJ, et al:** The syndrome of hypertension, hyperreninemia and secondary aldosteronism associated with renal juxtaglomerular cell tumor (primary reninism).
Trans Assoc Am Physicians 85:353-68, 1972
ADOLESCENCE/ ADULT/ ANGIOTENSIN, blood/ CHILD/ CIRCADIAN RHYTHM/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, RENAL, etiology/ *JUXTAGLOMERULAR APPARATUS/ KIDNEY, pathology/ KIDNEY NEOPLASMS, blood/ *KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, radiography/ KIDNEY NEOPLASMS, surgery/ MALE/ MICROSCOPY, ELECTRON/ NEPHRECTOMY/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, metabolism/ SYNDROME

749. **Conn JW, Cohen EL:** Versatility of adrenal photoscanning. Diagnosis of unilateral adrenal failure.
Arch Intern Med 131:554-7, Apr 73
*ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, injuries/ ADULT/ CHOLESTEROL, diagnostic use/ HUMAN/ IODINE ISOTOPES/ MALE/ *PHLEBOGRAPHY, adverse effects/ *RADIOISOTOPE SCANNING/ VEINS

750. **Connell GM, Linfoot JA:** An economical method for determining tritium content in competitive protein binding assays for steroid hormones.
Int J Appl Radiat Isot 24:239-40, Apr 73
BINDING, COMPETITIVE/ *HYDROCORTISONE, analysis/ *17-HYDROXYCORTICOSTEROIDS, analysis/ METHODS/ PROTEIN BINDING/ *TESTOSTERONE, analysis/ TRITIUM

751. **Connelly TG:** Fine structure of the normal, transplanted and postmetamorphic pars distalis of the Mexican axolotl, Ambystoma mexicanum.
Gen Comp Endocrinol 20:236-55, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CELL SURVIVAL/ CYTOPLASM/ CYTOPLASMIC GRANULES/ LARVA/ *METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, transplantation/ *SALAMANDERS, anatomy & histology/ THYROXINE, pharmacodynamics/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

752. **Connolly RJ, Shepherd JJ:** The effect of preoperative surgical scrubbing with povidone iodine on urinary iodine levels. Aust NZ J Surg 42:94-5, Aug 72
HUMAN/ HYPERTHYROIDISM, chemically induced/ *IODINE, urine/ NURSES/ *POLYVINYLPYRROLIDONE, metabolism/ POVIDONE-IODINE/ *PREOPERATIVE CARE/ SKIN ABSORPTION/ SURGERY

753. **Constantinescu A, Don M, Heltianu G:** Determinarea conţinutului sanguin de tiroxină totală test biochimic tiroidian eficient.
Stud Cercet Endocrinol 24:235-43, 1973 **(Rum)**
HUMAN/ METHODS/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, analysis/ *THYROXINE, blood

754. **Conte M, Jarrousse P:** Le devenir de 165 hémorragies ulcéreuses traitées dans un centre spécialisé de soins intensifs.
Sem Hop Paris 49:545-7, 14 Feb 73 **(Fre)**
ADRENAL CORTEX HORMONES, adverse effects/ AGED/ ANTICOAGULANTS, adverse effects/ ANTI-INFLAMMATORY AGENTS, adverse effects/ ASPIRIN, adverse effects/ EMERGENCIES/ ENGLISH ABSTRACT/ ESOPHAGEAL VARICES, complications/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ HYPERTENSION, PORTAL, complications/ INTENSIVE CARE UNITS/ MALE/ PEPTIC ULCER HEMORRHAGE, chemically induced/ PEPTIC ULCER HEMORRHAGE, mortality/ *PEPTIC ULCER HEMORRHAGE, therapy/ PROGNOSIS/ RESERPINE, adverse effects/ *STOMACH ULCER, complications/ STOMACH ULCER, surgery

755. **Contessa AR, Santi R:** Liberation of cyanide from succinonitrile. Biochem Pharmacol 22:827-32, 1 Apr 73
ANIMAL EXPERIMENTS/ CARBON TETRACHLORIDE, pharmacodynamics/ *CYANIDES, biosynthesis/ CYANIDES, metabolism/ IN VITRO/ *LIVER, metabolism/ MALE/ *NITRILES, metabolism/ RABBITS/ RATS/ *SUCCINATES, metabolism/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ THIOCYANATES, urine/ TIME FACTORS

756. **Convery FR, Chaplin DM:** Chronic pain due to nontraumatic joint disease.
Postgrad Med 53:152-6, May 73
ADRENAL CORTEX HORMONES, therapeutic use/ *ARTHRITIS/ ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, therapy/ BURSITIS, drug therapy/ CARTILAGE, ARTICULAR, innervation/ CHRONIC DISEASE/ HUMAN/ *JOINT DISEASES/ JOINT DISEASES, diagnosis/ JOINT DISEASES, etiology/ JOINT DISEASES, therapy/ JOINTS/ MYOSITIS, drug therapy/ *PAIN/ PAIN, diagnosis/ PAIN, etiology/ SYNOVIAL FLUID, analysis/ TENDINITIS, drug therapy

757. **Convey EM, Thomas JW, Tucker HA, et al:** Effect of thyrotropin releasing hormone on yield and composition of bovine milk.
J Dairy Sci 56:484-6, Apr 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ FATS, analysis/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ *LACTATION, drug effects/ MILK, analysis/ *MILK, drug effects/ THYROTROPIN RELEASING FACTOR, administration & dosage/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics

758. **Conway J, Hatton R:** Effects of prostaglandins E 1, E 2, A 1 and A 2 on resistance and capacitance vessels in the hind limb of the dog.
J Physiol (Lond) 230:56P-57P, Apr 73
ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ DILATATION/ DOGS/ GLYCERYL TRINITRATE, pharmacodynamics/ HINDLIMB, blood supply/ *PROSTAGLANDINS, pharmacodynamics/ *VASCULAR RESISTANCE, drug effects

759. **Conway LW:** Stereotaxic diagnosis and treatment of intracranial tumors including an initial experience with cryosurgery for pinealomas.
J Neurosurg 38:453-60, Apr 73
ADENOMA, BASOPHILIC, diagnosis/ ADENOMA, BASOPHILIC, surgery/ ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, surgery/ ADENOMA, EOSINOPHILIC, diagnosis/ ADENOMA, EOSINOPHILIC, surgery/

BIOPSY/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, surgery/ CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CEREBRAL VENTRICLE NEOPLASMS, surgery/ *CRYOGENIC SURGERY/ GLIOMA, diagnosis/ GLIOMA, surgery/ HUMAN/ NEEDLES/ PARIETAL LOBE, surgery/ PINEALOMA, diagnosis/ *PINEALOMA, surgery/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, surgery/ RADIOISOTOPE SCANNING/ *STEREOTAXIC TECHNICS/ THALAMUS, surgery

760. **Cook S, Rodríguez-Antunez A:** Pre-estrogen irradiation of the breast to prevent gynecomastia.
Am J Roentgenol Radium Ther Nucl Med 117:662-3, Mar 73
AGED/ BREAST, radiation effects/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ GYNECOMASTIA, chemically induced/ *GYNECOMASTIA, prevention & control/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATIC NEOPLASMS, drug therapy/ RADIATION EFFECTS/ *RADIOTHERAPY

761. **Cooke CR, Ruiz-Maza F, Kowarski A, et al:** Regulation of plasma aldosterone concentration in anephric man and renal transplant recipients.
Kidney Int 3:160-6, Mar 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ AZATHIOPRINE, therapeutic use/ CREATININE, blood/ FEMALE/ HEMODIALYSIS/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *NEPHRECTOMY/ POSTURE/ POTASSIUM, blood/ PREDNISONE, therapeutic use/ RADIOIMMUNOASSAY/ RENIN, blood/ SODIUM, metabolism/ TRANSPLANTATION, HOMOLOGOUS

762. **Cooke RA, Champness LT:** Renal disease and goitre: a new syndrome of primary amyloidosis.
Aust Paediatr J 8:250-4, Oct 72
ADOLESCENCE/ *AMYLOIDOSIS, complications/ AMYLOIDOSIS, pathology/ AUTOPSY/ CHILD/ FEMALE/ *GOITER, etiology/ HUMAN/ KIDNEY, pathology/ *KIDNEY DISEASES, etiology/ MALE/ SYNDROME/ THYROID GLAND, pathology

763. **Cooke WT, Asquith P:** Serum alkaline phosphatase and rickets.
Br Med J 2:302-3, 5 May 73
*ALKALINE PHOSPHATASE, blood/ CHILD/ CHOLECALCIFEROL, blood/ ETHNIC GROUPS/ FEMALE/ GREAT BRITAIN/ HUMAN/ MALE/ RICKETS, enzymology/ *RICKETS, occurrence

764. **Coombs MM, Bhatt TS, Croft CJ:** Correlation between carcinogenicity and chemical structure in cyclopenta(a)phenanthrenes.
Cancer Res 33:832-7, Apr 73
ANIMAL EXPERIMENTS/ *CARCINOGENS/ CARCINOMA, chemically induced/ CHEMISTRY/ FEMALE/ *GONANES/ MALE/ MICE/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, MUSCLE TISSUE, chemically induced/ PAPILLOMA, chemically induced/ SKIN NEOPLASMS, chemically induced/ STRUCTURE-ACTIVITY RELATIONSHIP

765. **Cooper BR, Breese GR, Grant LD, et al:** Effects of 6-hydroxydopamine treatments on active avoidance responding: evidence for involvement of brain dopamine.
J Pharmacol Exp Ther 185:358-70, May 73
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING, drug effects/ *BRAIN CHEMISTRY/ DESIPRAMINE, pharmacodynamics/ DOPAMINE, analysis/ *DOPAMINE, physiology/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ LOCOMOTION, drug effects/ MALE/ METHYLTYROSINES, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, analysis/ PARGYLINE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ TIME FACTORS

766. **Cooper KJ, Brooks PH, Cole DJ, et al:** The effect of feed level during the oestrous cycle on ovulation, embryo survival and anterior pituitary LH potency in the gilt.
J Reprod Fertil 32:71-8, Jan 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ BODY WEIGHT/ EMBRYO, growth & development/ *ESTRUS/ FEMALE/ GESTATIONAL AGE/ LH, analysis/ *LH, physiology/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION/ PITUITARY GLAND, analysis/ PREGNANCY/ PUBERTY/ *SWINE, physiology

767. **Cooper KJ, Fawcett CP, McCann SM:** Variations in pituitary responsiveness to luteinizing hormone releasing factor during the rat oestrous cycle.
J Endocrinol 57:187-8, Apr 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ INJECTIONS, INTRAVENOUS/ LH, blood/ *LH, physiology/ LH, secretion/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

768. **Copinschi G, L'Hermite M, Vanhaelst L, et al:** Prolactin response to hypoglycaemia.
Lancet 809:946, 28 Apr 73
*BLOOD SUGAR, analysis/ HUMAN/ HYPOGLYCEMIA, metabolism/ INJECTIONS, INTRAVENOUS/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ MALE/ *PROLACTIN, secretion

769. **Coran AG, Cryer PE, Sode J, et al:** The effect of sedation and awakening on energy substrates and hormonal relationships in the subhuman primate.
J Surg Res 14:24-30, Jan 73
ANIMAL EXPERIMENTS/ *BABOONS, metabolism/ BLOOD SUGAR, metabolism/ CATECHOLAMINES, metabolism/ FATTY ACIDS, metabolism/ HYDROCORTISONE, metabolism/ 11-HYDROXYCORTICOSTEROIDS, metabolism/ INSULIN, metabolism/ MALE/ MONKEYS/ *SLEEP/ SOMATOTROPIN, metabolism/ TRANQUILIZING AGENTS, pharmacodynamics/ *WAKEFULNESS

770. **Corbin JD, Soderling TR, Park CR:** Regulation of adenosine 3',5'-monophosphate-dependent protein kinase. I. Preliminary characterization of the adipose tissue enzyme in crude extracts.
J Biol Chem 248:1813-21, 10 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ COLD/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ GEL FILTRATION/ KINETICS/ LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ MYOCARDIUM, enzymology/ PHOSPHODIESTERASES/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ RATS/ SODIUM CHLORIDE/ TRITIUM

771. **Corder MP, Culp NW, Barrett O Jr:** Familial occurrence of von Willebrand's disease, thrombocytopenia, and severe gastrointestinal bleeding.
Am J Med Sci 265:219-23, Mar 73
ADULT/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD TRANSFUSION/ FACTOR VIII, analysis/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, complications/ *HEMORRHAGE, GASTROINTESTINAL, familial & genetic/ HEMORRHAGE, GASTROINTESTINAL, surgery/ HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ MEGAKARYOCYTES/ PREDNISONE, therapeutic use/ THROMBOPENIA,

complications/ *THROMBOPENIA, familial & genetic/ THROMBOPENIA, surgery/ THROMBOPENIA, therapy/ VAGOTOMY/ VON WILLEBRAND'S DISEASE, blood/ VON WILLEBRAND'S DISEASE, complications/ *VON WILLEBRAND'S DISEASE, familial & genetic/ VON WILLEBRAND'S DISEASE, surgery/ VON WILLEBRAND'S DISEASE, therapy

772. Cordonnier V, Beer P de, Lundy-Mahieu: Syndrome lupique et oestro-progestatifs.
J Sci Med Lille 90:431-2, Dec 72 (Fre)
ADULT/ CASE REPORT/ CHRONIC DISEASE/ CONTRACEPTIVES, ORAL, adverse effects/ *ETHINYL ESTRADIOL, adverse effects/ *ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ LE CELLS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, chemically induced/ PREGNANCY/ SKIN MANIFESTATIONS

773. Corneo G, Cortellaro M, Maiolo AT, et al: Aspetti eziopathogenetici, clinici e terapeutici delle mielopatie involutive.
Recent Prog Med (Roma) 54:44-76, Jan 73 (Ita)
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ ANABOLIC STEROIDS, therapeutic use/ *ANEMIA, APLASTIC/ ANEMIA, APLASTIC, complications/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/ *BONE MARROW DISEASES/ CHLORAMPHENICOL, adverse effects/ ENGLISH ABSTRACT/ ERYTHROCYTE AGING/ FEMALE/ GAMMA GLOBULIN, analysis/ GLUCOCORTICOIDS, therapeutic use/ HEMOGLOBINURIA, PAROXYSMAL, complications/ HUMAN/ IRON, blood/ LEUKEMIA, etiology/ MALE/ MIDDLE AGE/ PYRAZOLES, adverse effects

774. Cornil A, Leclercq R, Mockel J, et al: Etude du passage du cortisol à travers la barrière hémato-méningée dans les méningites purulentes et dans divers comas sans atteinte méningée.
Lyon Med 228:615-6, 26 Nov 72 (Fre)
ADULT/ BIOLOGICAL TRANSPORT/ *BLOOD-BRAIN BARRIER/ *COMA, cerebrospinal fluid/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, cerebrospinal fluid/ *MENINGITIS, cerebrospinal fluid

775. Cornu F: Katamnesen bei kastrierten Sittlichkeitsdelinquenten aus forensisch-psychiatrischer Sicht.
Fortschr Med 90:1035-6, 12 Oct 72 (Ger)
*CASTRATION/ CASTRATION, adverse effects/ FOLLOW-UP STUDIES/ *FORENSIC PSYCHIATRY/ HUMAN/ MALE/ OSTEOPOROSIS, etiology/ SEX BEHAVIOR/ *SEX OFFENSES/ SWITZERLAND/ TESTIS, surgery

776. Cortés-Gallegos V: Participación de la 17 alfa-hidroxiprogesterona en el mecanismo de la ovulación. Gac Med Mex 105:103-9, Jan 73 (Spa)
ADULT/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, blood/ *OVULATION/ PREGNANCY/ STERILITY, FEMALE, blood

777. Cortés-Gallegos V, Ortega E, Henzl MR, et al: Efecto de la prostaglandina E 2 (PGE 2) sobre la función del cuerpo lúteo humano.
Arch Invest Med (Mex) 3:Suppl 1:173-86, 1972 (Spa)
ADULT/ *CORPUS LUTEUM, drug effects/ ESTRADIOL, blood/ FEMALE/ HAMSTERS/ HUMAN/ HYDROXYPROGESTERONE, blood/ INJECTIONS, INTRAVENOUS/ MENSTRUATION, drug effects/ MONKEYS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS

778. Corvol P, Bardin CW: Species distribution of testosterone-binding globulin.
Biol Reprod 8:277-82, Apr 73
AMPHIBIA/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ BIRDS/ CATS/ CATTLE/ CORTICOSTERONE, metabolism/ CORTISONE, metabolism/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL, metabolism/ FISHES/ FROGS/ GUINEA PIGS/ HAMSTERS/ HUMAN/ HYDROCORTISONE/ MAMMALS/ MONKEYS/ *PROTEIN BINDING/ RABBITS/ RATS/ REPTILES/ *SERUM GLOBULINS, metabolism/ SPECIES SPECIFICITY/ *TESTOSTERONE, metabolism/ TRITIUM

779. Cosgrove MD, George FW 3d, Terry R: The effects of treatment on the local lesion of carcinoma of the prostate. J Urol 109:861-5, May 73
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ BIOPSY/ CASTRATION/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ PROSTATE, pathology/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy/ RADIOTHERAPY, HIGH ENERGY

780. Costa G, Engle RL Jr, Schilling A, et al: Melphalan and prednisone: an effective combination for the treatment of multiple myeloma.
Am J Med 54:589-99, May 73
BONE MARROW CELLS, drug effects/ HEMOGLOBIN, analysis/ HUMAN/ MELPHALAN, administration & dosage/ MELPHALAN, adverse effects/ MELPHALAN, pharmacodynamics/ *MELPHALAN, therapeutic use/ MULTIPLE MYELOMA, complications/ *MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, mortality/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, pharmacodynamics/ *PREDNISONE, therapeutic use/ PROGNOSIS/ RESPIRATORY TRACT INFECTIONS, drug therapy/ SERUM GLOBULINS, analysis/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use/ URINARY TRACT INFECTIONS, drug therapy

781. Cotoi S, Constantinescu L, Gavrilescu S: The effect of thyroid state on monophasic action potential in human heart. Experientia 28:797-8, 15 Jul 72
*ACTION POTENTIALS/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART, drug effects/ *HEART, physiopathology/ HEART ATRIUM/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ THYROID HORMONES, pharmacodynamics

782. Cotrufo R, Appel SH: Effects of denervation on glycoproteins of rabbit gastrocnemius and soleus muscles. Exp Neurol 39:58-69, Apr 73
ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE/ GLYCOPROTEINS, biosynthesis/ *GLYCOPROTEINS, metabolism/ HEXOSAMINES, metabolism/ LIPIDS, metabolism/ MALE/ MUSCLE CONTRACTION/ *MUSCLE DENERVATION/ MUSCLE PROTEINS, biosyntbesis/ *MUSCLES, metabolism/ NEURAMINIC ACIDS, metabolism/ RABBITS/ SARCOPLASMIC RETICULUM, metabolism

783. Coudert SP, Faiman C: Effect of prostaglandin F2alpha on anterior pituitary function in man.
Prostaglandins 3:89-95, Jan 73
ADULT/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ LH, blood/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SOMATOTROPIN,

blood/ SPECIAL LIST REPRODUCTION/ THYROTROPIN, blood

784. **Coutelier L:** Le lumomagnéson: marqueur fluorescent de l'os.
Experientia 29:192-3, 15 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ *AZO COMPOUNDS/ BARBITURATES/ *BONE AND BONES, analysis/ CALCIUM, analysis/ DOGS/ ENGLISH ABSTRACT/ *FLUORESCENT DYES/ FLUOROMETRY/ *MAGNESIUM, analysis

785. **Cox LW:** Reproductive pattern after completion of ovulation stimulation treatment.
Aust NZ J Obstet Gynaecol 12:186-7, Aug 72
*AMENORRHEA, drug therapy/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, therapeutic use/ HUMAN/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

786. **Cox RF, Haines ME, Carey NH:** Modification of the template capacity of chick-oviduct chromatin for form-B RNA polymerase by estradiol.
Eur J Biochem 32:513-24, 1 Feb 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL DIFFERENTIATION/ CHICKENS/ *CHROMATIN, enzymology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ MAGNESIUM/ MANGANESE/ MUSHROOMS/ MYCOTOXINS, pharmacodynamics/ OVIDUCTS, enzymology/ PEPTIDES, pharmacodynamics/ RIFAMPIN, pharmacodynamics/ RNA, biosynthesis/ *RNA POLYMERASE, metabolism/ *TEMPLATES

787. **Cozanitis D, Toivakka E, Dessypris A:** Electroencephalographic and blood chemistry responses to galanthamine hydrobromide in epileptic volunteers. Anaesthesist 22:31-3, Jan 73
ADULT/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ *BRAIN, drug effects/ BROMIDES, pharmacodynamics/ CALCIUM, blood/ CHLORIDES, blood/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, TRAUMATIC, blood/ *GALANTHAMINE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ SODIUM, blood

788. **Crabbé J, Vandeput Y, Blizzard RM:** Diminution de l'excrétion urinaire d'adrénaline dans l'insuffisance cortico-surrénale primaire.
Ann Endocrinol (Paris) 33:544-7, Sep-Oct 72 (Fre)
ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, etiology/ *ADDISON'S DISEASE, urine/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLAND DISEASES, urine/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, etiology/ *ADRENAL GLAND HYPOFUNCTION, urine/ ADULT/ AGED/ ANTIBODIES/ ENGLISH ABSTRACT/ *EPINEPHRINE, urine/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ TUBERCULOSIS, ENDOCRINE, diagnosis/ *TUBERCULOSIS, ENDOCRINE, urine

789. **Crabbé P:** Progresos recientes en la sintesis de nuevas prostaglandinas.
Arch Invest Med (Mex) 3:Suppl 1:151-72, 1972 (Spa)
ENGLISH ABSTRACT/ METHODS/ PHOTOCHEMISTRY/ *PROSTAGLANDINS, chem synthesis

790. **Craft I:** Intra-amniotic prostaglandin E 2 and urea for abortion. Lancet 1:779, 7 Apr 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ *AMNIOTIC FLUID/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ *UREA, administration & dosage

791. **Craft I:** Intra-amniotic prostaglandin E 2 and F 2 for induction of abortion: a dose response study.
J Obstet Gynaecol Br Commonw 80:46-7, Jan 73
*ABORTION, INDUCED/ AMNIOTIC FLUID/ CLINICAL RESEARCH/ DIARRHEA, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS

792. **Craig A, Leek JW, Palmer RF:** An automated method for the determination of estrogens in pregnancy urine. Clin Biochem 6:34-40, Mar 73
AUTOANALYSIS/ COMPARATIVE STUDY/ ESTRIOL, urine/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ FLUORESCENCE SPECTROMETRY/ GESTATIONAL AGE/ GLUCOSE/ GLUCURONATES/ GLUCURONIDASE/ GLYCOSURIA, urine/ HUMAN/ HYDROLYSIS/ INDICATORS AND REAGENTS/ METHODS/ OSMOLAR CONCENTRATION/ *PREGNANCY/ QUALITY CONTROL/ SULFURIC ACIDS, diagnostic use/ TIME FACTORS

793. **Cramer H, Johnson DG, Hanbauer I, et al:** Accumulation of adenosine 3',5'-monophosphate induced by catecholamines in the rat superior cervical ganglion in vitro. Brain Res 53:97-104, 13 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, pharmacodynamics/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ GANGLIA, SPINAL, drug effects/ *GANGLIA, SPINAL, metabolism/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ NEUROGLIA, drug effects/ NEUROGLIA, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ RATS/ SCHWANN CELLS, drug effects/ SCHWANN CELLS, metabolism

794. **Crandall BF, Samec L, Sparkes RS, et al:** A familial syndrome of deafness, alopecia, and hypogonadism.
J Pediatr 82:461-5, Mar 73
ADOLESCENCE/ ADULT/ *ALOPECIA, familial & genetic/ *DEAFNESS, familial & genetic/ DERMATOGLYPHICS/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOGONADISM, familial & genetic/ INTELLIGENCE/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ METYRAPONE, diagnostic use/ PEDIGREE/ PITUITARY-ADRENAL FUNCTION TESTS/ SOMATOTROPIN, blood/ SYNDROME/ TESTOSTERONE, blood/ THYROID GLAND FUNCTION TESTS

795. **Crawford JS:** Pre-pregnancy oral contraceptives and respiratory-distress syndrome.
Lancet 808:858-60, 21 Apr 73
ADULT/ BIRTH WEIGHT/ *CONTRACEPTIVES, ORAL/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ LUNG, embryology/ MITOCHONDRIA, drug effects/ OVUM, drug effects/ PREGNANCY/ PULMONARY SURFACTANT/ *RESPIRATORY DISTRESS SYNDROME, occurrence/ RESPIRATORY DISTRESS SYNDROME, prevention & control

796. **Crawford MD, Clayton DG:** Lead in bones and drinking water in towns with hard and soft water.
Br Med J 2:21-3, 7 Apr 73
ADULT/ AUTOPSY/ *BONE AND BONES, analysis/ CARDIOVASCULAR DISEASES, mortality/ CORONARY DISEASE, etiology/ ENGLAND/ FEMALE/ HUMAN/ *LEAD, analysis/ MALE/ MIDDLE AGE/ SCOTLAND/ WALES/ *WATER SUPPLY

797. **Cremin BJ, Ormond G, Beighton P:** Autosomal recessive inheritance in camptomelic dwarfism.

Lancet 1:488-9, 3 Mar 73
ABNORMALITIES, MULTIPLE, etiology/ *AUTOSOME ABNORMALITIES/ CONSANGUINITY/ DWARFISM, etiology/ *DWARFISM, familial & genetic/ FEMALE/ GENES, RECESSIVE/ HUMAN/ PREGNANCY

798. **Crimsley DL:** Salt seeking by food selection in adrenalectomized rats.
J Comp Physiol Psychol 82:261-7, Feb 73
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ DRINKING/ EATING/ *FOOD PREFERENCES/ HUNGER/ MALE/ NUTRITIONAL REQUIREMENTS/ RATS/ *SODIUM CHLORIDE/ WATER-ELECTROLYTE BALANCE

799. **Crisp TM, Dessouky DA, Denys FR:** The fine structure of the human corpus luteum of term pregnancy.
Am J Obstet Gynecol 115:901-11, 1 Apr 73
CELL MEMBRANE/ CELL NUCLEUS/ *CORPUS LUTEUM, cytology/ CORPUS LUTEUM, secretion/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ HUMAN/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ *PREGNANCY/ PROGESTERONE, secretion/ RELAXIN, secretion/ SURFACE PROPERTIES

800. **Criss WE, Morris HP:** Influence of hormones on the growth of hepatomas and induction of adenylate and pyruvate kinases.
Cancer Res 33:1023-7, May 73
ADENINE/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALLOXAN DIABETES, enzymology/ ANIMAL EXPERIMENTS/ DACTINOMYCIN, pharmacodynamics/ DIET/ ENZYME INDUCTION, drug effects/ FASTING/ GLUCOSE, pharmacodynamics/ *HEPATOMA, enzymology/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ LIVER, enzymology/ *LIVER NEOPLASMS, enzymology/ MALE/ *PHOSPHOTRANSFERASES, metabolism/ *PYRUVATE KINASE, metabolism/ RATS/ TIME FACTORS

801. **Crocker DW:** Thyroid carcinoma.
Surgery 73:671-6, May 73
*ADENOCARCINOMA/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, surgery/ ADULT/ AGED/ AUTOPSY/ BONE NEOPLASMS/ *CARCINOMA/ CARCINOMA, mortality/ CARCINOMA, surgery/ CARCINOMA, PAPILLARY, mortality/ CARCINOMA, PAPILLARY, surgery/ FEMALE/ GASTROINTESTINAL NEOPLASMS/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ MOUTH NEOPLASMS/ NEOPLASM METASTASIS/ THORACIC NEOPLASMS/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, surgery/ UROGENITAL NEOPLASMS

802. **Crocker JM, Thomas GH:** Uptake and interconversion of tritiated oestrone and oestradiol-17 in the intact rabbit in vivo.
J Endocrinol 56:213-8, Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ ESTRONE, blood/ *ESTRONE, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAVENOUS/ LACTATION/ MUSCLES, metabolism/ PITUITARY GLAND, metabolism/ PREGNANCY/ RABBITS/ TRITIUM/ UTERUS, metabolism/ VAGINA, metabolism

803. **Croker KP, Shelton JN:** Influence of stage of cycle, progestagen treatment and dose of oestrogen on uterine motility in the ewe.
J Reprod Fertil 32:521-4, Mar 73
ANIMAL EXPERIMENTS/ CRONOLONE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ MUSCLE CONTRACTION/ *PROGESTERONE, pharmacodynamics/ SHEEP/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, physiology

804. **Crossley HL, Johnson AR, Mauger KK, et al:** Aortic proline hydroxylase in hypoxia induced arteriosclerosis in rabbits.
Life Sci [II] 11:869-75, 8 Sep 72
ANIMAL EXPERIMENTS/ *ANOXIA, complications/ *AORTA, enzymology/ AORTA, ABDOMINAL, enzymology/ AORTA, THORACIC, enzymology/ *ARTERIOSCLEROSIS, enzymology/ ARTERIOSCLEROSIS, etiology/ BODY WEIGHT/ EPINEPHRINE, pharmacodynamics/ *HYDROXYLASES, metabolism/ LIVER, enzymology/ LUNG, enzymology/ MALE/ ORGAN WEIGHT/ PROLINE HYDROXYLASE, metabolism/ RABBITS/ SEASONS/ THYROXINE, pharmacodynamics

805. **Crousaz G de, Zoupanos G:** Thymus et myasthénie.
Rev Med Suisse Romande 93:143-58, Feb 73 (Fre)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ AUTOIMMUNE DISEASES/ CHILD/ CHOLINESTERASE INHIBITORS, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, therapy/ THYMECTOMY/ THYMOMA, complications/ *THYMUS GLAND/ THYMUS GLAND, immunology/ THYMUS GLAND, radiation effects/ THYMUS NEOPLASMS, complications/ VERATRINE, therapeutic use

806. **Crovato F, Moretti G, Bertamino R:** 17--Hydroxy-steroid-dehydrogenases in hair follicles of normal and bald scalp: a histochemical study.
J Invest Dermatol 60:126-33, Mar 73
ADOLESCENCE/ ADULT/ *ALOPECIA, enzymology/ ESTRADIOL/ ESTRADIOL, metabolism/ *HAIR, enzymology/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ MALE/ MIDDLE AGE/ *SCALP, enzymology/ SKIN, metabolism/ STANOLONE, metabolism/ TESTOSTERONE/ TESTOSTERONE, metabolism

807. **Crow TJ:** Catecholamine-containing neurones and electrical self-stimulation. 1. A review of some data.
Psychol Med 2:414-21, Nov 72 (48 ref.)
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, cytology/ BRAIN CHEMISTRY/ BRAIN MAPPING/ BRAIN STEM, physiology/ *CATECHOLAMINES, metabolism/ COCAINE, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS, physiology/ NEURAL TRANSMISSION, drug effects/ *NEURONS, physiology/ RATS/ RECEPTORS, DRUG, drug effects/ REVIEW/ *SELF STIMULATION/ STEREOTAXIC TECHNICS

808. **Cruess RL, Hong KC, Lida K:** Effect of estrogen on the phospholipid metabolism of rat bone.
Endocrinology 92:961-3, Mar 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FEMUR/ OVARY, physiology/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ TIBIA

809. **Crus ML, Beyer C:** Effects of septal lesions on maternal behavior and lactation in the rabbit.
Physiol Behav 9:361-5, Sep 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DELIVERY/ EMOTIONS/ FEMALE/ *LACTATION/ *MATERNAL BEHAVIOR/ MILK, secretion/ MOTOR ACTIVITY/ NESTING BEHAVIOR/ OVULATION/ PREGNANCY/ RABBITS/ SEPTAL NUCLEI, physiology/ *SEPTUM

PELLUCIDUM, physiology/ SEX BEHAVIOR, ANIMAL

810. **Csaba I, Székely JA, Tóth K, et al:** Die Wirkung der Sauerstoffkonzentration und der Inkubationszeit auf den Sauerstoffverbrauch und die anaerobe Glykolyse der menschlichen Plazenta.
Z Geburtshilfe Perinatol 177:54-7, Feb 73 (Ger)
ANAEROBIOSIS/ *ANOXIA/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ GLYCOLYSIS/ HUMAN/ OXYGEN CONSUMPTION/ *PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS/ TROPHOBLAST, metabolism

811. **Csapo AI, Kivikoski A, Wiest WG:** Midtrimester abortions induced by intraamniotic prostaglandin F2alpha treatment. Prostaglandins 1:305-18, Apr 72
ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ CURETTAGE/ DEPRESSION, CHEMICAL/ DILATATION/ ESTRADIOL, blood/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology

812. **Csapo AI, Kivikoski A, Pulkkinen MO, et al:** First trimester abortions induced by the extraovular infusion of prostaglandin F2alpha.
Prostaglandins 1:295-303, Apr 72
ABORTION, INDUCED/ ADULT/ CURETTAGE/ DEPRESSION, CHEMICAL/ DILATATION/ ESTRADIOL, blood/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology

813. **Csapo AI, Ruttner B, Wiest WG:** First trimester abortions induced by a single extraovular injection of prostaglandin F2alpha.
Prostaglandins 1:365-71, May 72
ABORTION, INDUCED/ ADULT/ CURETTAGE/ DILATATION/ ESTRADIOL, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ INJECTIONS/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology

814. **Csapo AI, Wiest WG:** On the mechanism of the abortifacient action of prostaglandin F2alpha.
Prostaglandins 1:158-65, Feb 72
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ ESTRADIOL, therapeutic use/ FEMALE/ INJECTIONS, INTRAVENOUS/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, therapeutic use/ PLACENTA, physiology/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ RABBITS/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects

815. **Cseply J, Csapo AI:** The effect of prostaglandin F2alpha on the small arteries of the omentum uteri in the rat.
Prostaglandins 1:235-8, Mar 72
ANIMAL EXPERIMENTS/ ARTERIES, drug effects/ FEMALE/ METHODS/ NOREPINEPHRINE, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SPECIAL LIST REPRODUCTION/ UTERUS, blood supply/ VASOCONSTRICTOR AGENTS, pharmacodynamics

816. **Cuatrecasas P:** Interaction of concanavalin A and wheat germ agglutinin with the insulin receptor of fat cells and liver. J Biol Chem 248:3528-34, 25 May 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ CONCANAVALIN A, administration & dosage/ CONCANAVALIN A, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *INSULIN, metabolism/ IODINE ISOTOPES/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ *PHYTOMITOGENS, pharmacodynamics/ PLANT AGGLUTININS, administration & dosage/ *PLANT AGGLUTININS, pharmacodynamics/ RATS/ RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRYPSIN, pharmacodynamics/ *WHEAT

817. **Cuillière L, Duheille J, Herbeuval R:** Pluralité des sites auto-antigéniques de la molécule de thyroglobuline.
C R Soc Biol (Paris) 166:1142-5, 1972 (Fre)
ALKYLATION/ *ANTIGENIC DETERMINANTS/ *AUTOANTIBODIES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ PROTEIN CONFORMATION/ SULFUR/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, isolation & purification

818. **Culbert J:** Method for the extraction and purification of steroid hormones from blood plasma of the domestic fowl. Lab Pract 22:348, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ *ESTRADIOL, blood/ FEMALE/ METHODS/ PLASMA, analysis/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY/ *STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM

819. **Curchod A, Welti J:** Les mécanismes régulateurs de l'ovulation.
Rev Med Suisse Romande 92:775-84, Oct 72 (Fre)
FSH, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, physiology/ *OVARY, physiology/ *OVULATION

820. **Curet LB:** Current status of oral contraceptives.
Wis Med J 72:135-7, May 73
ADRENAL GLANDS, drug effects/ CERVIX UTERI, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, therapeutic use/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ PANCREAS, drug effects/ THYROID GLAND, drug effects

821. **Currey JD, Hughes SM:** The effects of pregnancy and lactation on some mechanical properties of the femora of the rat.
Calcif Tissue Res 11:112-23, 19 Feb 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *BIOMECHANICS/ BIOMETRY/ ELASTICITY/ *FEMUR, physiology/ FRACTURES/ *LACTATION/ *PREGNANCY, ANIMAL/ RATS/ RUPTURE

822. **Currie WB:** Trans-lactation changes in the activities of selected enzymes in biopsy samples of the bovine mammary gland. Aust J Biol Sci 25:1333-40, Dec 72
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BIOPSY/ CARBOHYDRATE ISOMERASES, metabolism/ *CATTLE, metabolism/ COENZYME A SYNTHETASES, metabolism/ DNA, analysis/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCEROLPHOSPHATE

DEHYDROGENASE, metabolism/ HEXOKINASE, metabolism/ *LACTATION/ METHODS/ TIME FACTORS/ UDDER, analysis/ *UDDER, enzymology

823. Currie WB: Relationships between milk and milk fat composition and trans-lactation changes in mammary gland enzyme activities in grazing cattle.
Aust J Biol Sci 25:1341-9, Dec 72
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BIOPSY/ *CATTLE, metabolism/ CHROMATOGRAPHY, GAS/ COENZYME A SYNTHETASES, metabolism/ FATTY ACIDS, analysis/ FATTY ACIDS, biosyntbesis/ FEMALE/ *LACTATION/ *LIPIDS, analysis/ LIPIDS, blood/ *MILK, analysis/ PALMITIC ACID, biosyntbesis/ *UDDER, enzymology/ UDDER, metabolism

824. Curwain BP, Holton P, Spencer J: Evidence that the inhibitory effect of burimamide on gastric secretion is not due to decreased gastric mucosal blood flow.
J Physiol (Lond) 230:33P-34P, Apr 73
ANIMAL EXPERIMENTS/ DOGS/ FEMALE/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, blood supply/ GASTRIC MUCOSA, drug effects/ HISTAMINE, pbarmacodynamics/ IMIDAZOLES, pbarmacodynamics/ PENTAGASTRIN, pbarmacodynamics/ SECRETORY RATE, drug effects/ *THIOUREA, pbarmacodynamics

825. Curzen P, Varma R: A comparison of serum cystine aminopeptidase and urinary estrogen excretion as placental function tests.
Am J Obstet Gynecol 115:929-32, 1 Apr 73
*AMINOPEPTIDASES, blood/ APGAR SCORE/ BIRTH WEIGHT/ CYSTINE/ *ESTROGENS, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ PLACENTA DISORDERS, blood/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, urine/ PREGNANCY

826. Cuthbert AW, Wong PY: Calcium release and vasopressin action in toad bladder.
J Physiol (Lond) 230:61P-62P, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ BLADDER, drug effects/ *BLADDER, metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ ETHERS, pharmacodynamics/ IMIDES, pbarmacodynamics/ IN VITRO/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pbarmacodynamics/ TOADS/ *VASOPRESSIN, pbarmacodynamics

827. Cutler RS: Cleft palate and the use of corticosteroids.
Vet Rec 92:103-4, 27 Jan 73
*ABNORMALITIES, DRUG-INDUCED, veterinary/ *ADRENAL CORTEX HORMONES, adverse effects/ ANIMAL EXPERIMENTS/ CLEFT PALATE, chemically induced/ *CLEFT PALATE, veterinary/ FEMALE/ *HORSE DISEASES, chemically induced/ HORSES/ PREGNANCY

828. Cybulsky DL, Kandel SI, Kandel M, et al: Location of histidine residues that react with bromoacetazolamide and N-bromoacetylacetazolamide in buman and bovine carbonic anbydrases. J Biol Chem 248:3411-8, 25 May 73
*ACETAZOLAMIDE/ ACETIC ACIDS/ ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AUTOANALYSIS/ BINDING SITES/ BROMINE/ CARBON ISOTOPES/ *CARBONIC ANHYDRASE, analysis/ CARBONIC ANHYDRASE, isolation & purification/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, PAPER/ *HISTIDINE, analysis/ HUMAN/ ISOENZYMES, analysis/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PROTEIN DENATURATION/ SPECIES SPECIFICITY/ THIOCYANATES/ TRYPSIN

829. Cymerski Z, Szyszka K, Abucewicz A, et al: Wpływ przewlekłego zatrucia dwusiarczkiem węgla na obraz histologiczny jąder białych szczurów.
Pol Przegl Chir 45:Suppl 2a:219-2, Feb 73 (Pol)
ANIMAL EXPERIMENTS/ *CARBON DISULFIDE, poisoning/ CHRONIC DISEASE/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ MALE/ POISONING/ RATS/ SEROTONIN, adverse effects/ *TESTIS, drug effects/ TESTIS, patbology/ TIME FACTORS

830. Cyran W: Ostrogenmangel als Ursache der Osteoporose älterter Frauen.
Fortschr Med 91:425-6, 12 Apr 73 (Ger)
AGE FACTORS/ AGED/ CALCIUM, metabolism/ DECALCIFICATION, PATHOLOGIC, etiology/ *DEFICIENCY DISEASES, complications/ *ESTROGENS/ ESTROGENS, metabolism/ ESTROGENS, tberapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, prevention & control

831. Czekala Z: Guz chromochłonny wychodzący z narządu Zuckerkandla.
Pol Przegl Radiol 37:139-42, Jan-Feb 73 (Pol)
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, complications/ *CHROMAFFIN SYSTEM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, complications/ POLYURIA, etiology

D

832. Dacie JV: La sindrome emolitico-uremica e la anemia emolitica microangiopatica.
Recent Prog Med (Roma) 54:1-22, Jan 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, HEMOLYTIC, ACQUIRED, drug therapy/ ANEMIA, HEMOLYTIC, ACQUIRED, etiology/ ASPIRIN, tberapeutic use/ DEXTRAN, therapeutic use/ DIPYRIDAMOLE, tberapeutic use/ DRUG HYPERSENSITIVITY, complications/ ENGLISH ABSTRACT/ HEMOLYTIC-UREMIC SYNDROME, drug therapy/ HEMOLYTIC-UREMIC SYNDROME, etiology/ HEPARIN, tberapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFECTION, complications/ NEOPLASMS, complications/ PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PURPURA, THROMBOPENIC, complications/ SEPTICEMIA, complications/ SPLENECTOMY/ STREPTOKINASE, therapeutic use/ *UREMIA, drug therapy/ UREMIA, etiology

833. Daeschner CW Jr, Singer DB: Subacute renal failure.
J Pediatr 82:527-34, Mar 73
ADOLESCENCE/ AUTOPSY/ COLITIS, patbology/ DIAGNOSIS, DIFFERENTIAL/ ESOPHAGITIS, patbology/ FEMALE/ HEMORRHAGE, patbology/ HEMORRHAGE, GASTROINTESTINAL, patbology/ HUMAN/ HYPERPLASIA, patbology/ INCLUSION BODIES, VIRAL/ KIDNEY, pathology/ *KIDNEY, CYSTIC, pathology/ KIDNEY FAILURE, ACUTE, diagnosis/ *KIDNEY FAILURE, ACUTE, patbology/ LUNG DISEASES, pathology/ PARATHYROID DISEASES, patbology/ PNEUMONIA, pathology/ PSEUDOMONAS INFECTIONS, diagnosis/ STOMATITIS, patbology

834. Dahms WT, Gray G, Vrana M, et al: Adrenocortical adenoma and ganglioneuroblastoma in a child. A case presenting as Cushing syndrome with virilization.
Am J Dis Child 125:608-11, Apr 73
ACNE, etiology/ *ADENOMA, complications/ ADENOMA, patbology/ ADENOMA, radiography/ ADENOMA, surgery/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, patbology/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/

ANGIOGRAPHY/ CATECHOLAMINES, urine/ *CUSHING'S SYNDROME, etiology/ FEMALE/ FLUDROCORTISONE, therapeutic use/ *GANGLIONEUROMA, complications/ GANGLIONEUROMA, pathology/ GANGLIONEUROMA, radiography/ GANGLIONEUROMA, surgery/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT/ NEOPLASMS, MULTIPLE PRIMARY/ STEROIDS, urine/ UROGRAPHY/ *VIRILISM, etiology

835. **Daikoku S, Kinutani M, Watanabe YG:** Role of hypothalamus on development of adenohypophysis: an electron microscopic study.
Neuroendocrinology 11:284-305, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CELL DIFFERENTIATION/ CEREBRAL CORTEX DECORTICATION/ CYTOPLASMIC GRANULES/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, growth & development/ PREGNANCY/ RATS

836. **Dalery J, Hermier M, Longin B, et al:** Une observation d'hypoparathyroïde à début néo-natal.
Pediatrie 27:792-3, Oct-Nov 72 **(Fre)**
CALCIUM, administration & dosage/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ SOMATOTROPIN, administration & dosage/ VITAMIN D, administration & dosage

837. **Dalessio DJ:** Hormonal levels linked to migraine during the menstrual period. Headache 13:29-31, Apr 73
*ESTROGENS, blood/ FEMALE/ HUMAN/ *MENSTRUATION/ *MIGRAINE, etiology/ *PROGESTERONE, blood

838. **Dallenbach FD:** Zur Frage der Relevanz tierexperimenteller Ergebnisse für die menschliche Karzinogenese.
Fortschr Med 91:435-40, 12 Apr 73 **(Ger)**
ADRENAL GLAND NEOPLASMS, chemically induced/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, chemically induced/ *CARCINOGENS/ CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ GUINEA PIGS/ HAMSTERS/ HUMAN/ KIDNEY NEOPLASMS, chemically induced/ LEUKEMIA, chemically induced/ MALE/ MICE/ MONKEYS/ *NEOPLASMS, chemically induced/ NEOPLASMS, EXPERIMENTAL/ OVARIAN NEOPLASMS, chemically induced/ PITUITARY NEOPLASMS, chemically induced/ RABBITS/ RATS/ TESTICULAR NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, chemically induced

839. **Dallman MF, Jones MT:** Corticosteroid feedback control of ACTH secretion: effect of stress-induced corticosterone secretion on subsequent stress responses in the rat. Endocrinology 92:1367-75, May 73
ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ *CORTICOSTERONE, physiology/ *CORTICOTROPIN, metabolism/ CORTICOTROPIN, pharmacodynamics/ ELECTROSHOCK/ *FEEDBACK/ LAPAROTOMY/ MALE/ RATS/ *STRESS/ TIME FACTORS

840. **Damian E, Măicănescu-Georgescu M, Ianăş O, et al:** Acţiunea clordelazinului asupra lipidelor din testiculul de şobolan.
Stud Cercet Endocrinol 24:199-202, 1973 **(Rum)**
ANIMAL EXPERIMENTS/ *CHLORPROMAZINE, pharmacodynamics/ CHOLESTEROL, metabolism/ *LIPIDS, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ RATS/ *TESTIS, drug effects/ TESTIS, metabolism

841. **Dancis J, Jansen V, Kayden HJ, et al:** Transfer across perfused human placenta. II. Free fatty acids.
Pediatr Res 7:192-7, Apr 73
AMINO ACIDS, metabolism/ AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ ANTIPYRINE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ DIALYSIS/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GUINEA PIGS/ HUMAN/ IN VITRO/ LEUCINE, metabolism/ LINOLEIC ACID, metabolism/ *MATERNAL-FETAL EXCHANGE/ METABOLIC CLEARANCE RATE/ PALMITIC ACID, metabolism/ PERFUSION/ *PLACENTA, metabolism/ PLACENTA, physiology/ PREGNANCY/ SODIUM, metabolism/ TRITIUM

842. **Danes BS, Degnan M, Saik L, et al:** Plasma infusions in the Hurler syndrome. Influence during the first year of life. Am J Dis Child 125:533-5, Apr 73
AGE FACTORS/ *BLOOD TRANSFUSION/ BONE AND BONES, radiography/ CEREBROSPINAL FLUID SHUNTS/ CHILD DEVELOPMENT/ CORNEAL OPACITY, etiology/ FEMALE/ HUMAN/ HYDROCEPHALUS, etiology/ INFANT, NEWBORN/ LIPOCHONDRODYSTROPHY, familial & genetic/ *LIPOCHONDRODYSTROPHY, therapy/ MOLECULAR WEIGHT/ MOTOR SKILLS/ MUCOPOLYSACCHARIDES, metabolism/ MUCOPOLYSACCHARIDES, urine/ *PLASMA/ PNEUMOENCEPHALOGRAPHY/ URONIC ACIDS, urine

843. **Daniel JW, Järlfors U:** Light-induced changes in the ultrastructure of a plasmodial myxomycete.
Tissue Cell 4:405-26, 1972
CALCIUM, isolation & purification/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELLULAR INCLUSIONS, analysis/ CULTURE MEDIA/ DARKNESS/ HISTOCYTOCHEMISTRY/ *LIGHT/ METHODS/ MITOCHONDRIA, analysis/ *MYXOMYCETES, cytology/ MYXOMYCETES, drug effects/ MYXOMYCETES, metabolism/ SPECTRUM ANALYSIS/ SPORES, FUNGAL, growth & development

844. **Daniels VG, Hardy RN, Malinowska KW:** The effect of adrenalectomy or pharmacological inhibition of adrenocortical function on macromolecule uptake by the new-born rat intestine.
J Physiol (Lond) 229:697-707, Mar 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMINOGLUTETHIMIDE, administration & dosage/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ CORTICOSTERONE, blood/ HYDROCORTISONE, blood/ *INTESTINAL ABSORPTION/ INTESTINAL ABSORPTION, drug effects/ METYRAPONE, administration & dosage/ METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ *POLYVINYLPYRROLIDONE, metabolism/ RATS

845. **Daniels VG, Hardy RN, Malinowska KW, et al:** The influence of exogenous steroids on macromolecule uptake by the small intestine of the new-born rat.
J Physiol (Lond) 229:681-95, Mar 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, growth & development/ *ANIMALS, NEWBORN, metabolism/ BLOOD PROTEINS/ BODY WEIGHT/ CORTICOSTERONE, blood/ *CORTICOSTERONE, pharmacodynamics/ HYDROCORTISONE, blood/ *HYDROCORTISONE, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, metabolism/ IODINE ISOTOPES/ ORGAN WEIGHT/ *POLYVINYLPYRROLIDONE, metabolism/ PROTEIN BINDING/ TIME FACTORS

846. **Danilenko MV, Timchuk MD, Zhuk AV, et al:** Rol' bronkhoskopii v likuvanni stafilokokovykh

destruktsii lehen' u ditei.
Pediatr Akush Ginekol 6:17, 1972 (Ukr)
ANTIBIOTICS, therapeutic use/ *BRONCHOSCOPY/ CHILD/ HUMAN/ HYDROCORTISONE, therapeutic use/ OXYGEN INHALATION THERAPY/ PEPTIDE HYDROLASES, therapeutic use/ *PNEUMONIA, STAPHYLOCOCCAL, therapy

847. **Danowski TS, Wilson R, Vester JW, et al:** Ether derivatives of a progestin and estrogen in monthly dosage. Clin Pharmacol Ther 14:455-61, May-Jun 73
ADULT/ BLOOD PRESSURE, drug effects/ CALCIUM, blood/ CREATININE, urine/ *ESTROGENS, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FSH, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ LH, blood/ MIDDLE AGE/ PERCEPTION/ PHOSPHORUS, blood/ POSTURE/ *PROGESTATIONAL HORMONES, pharmacodynamics/ QUINESTROL, pharmacodynamics/ QUINGESTANOL, pharmacodynamics/ THYROXINE, blood/ TRIGLYCERIDES, blood/ VAGINA, cytology/ VAGINA, drug effects/ VIBRATION

848. **Danscher G, Haug FM, Fredens K:** Effect of dietbyldithiocarbamate (DEDTC) on sulphide silver stained boutons. Reversible blocking of Timm's sulphide silver stain for "heavy" metals in DEDTC treated rats (light microscopy).
Exp Brain Res 16:521-32, 19 Mar 73
AMYGDALOID BODY, cytology/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, cytology/ *DIENCEPHALON, cytology/ DISULFIRAM, pharmacodynamics/ HIPPOCAMPUS, cytology/ INJECTIONS, INTRAPERITONEAL/ MALE/ OLFACTORY BULB, cytology/ RATS/ SILVER/ *STAINS AND STAINING/ SULFIDES/ SYNAPSES/ *TELENCEPHALON, cytology/ *THIOCARBAMATES, pharmacodynamics/ TIME FACTORS

849. **Danz M, Urban H, Amlacher E, et al:** Unexpected action of carcinogenes on the proliferative activity of the adrenal cortex in experimentally induced liver regeneration. Exp Pathol (Jena) 7:213-6, 1972
ACETAMIDES/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ CARCINOGENS, administration & dosage/ *CELL DIVISION, drug effects/ *FLUORENES/ FLUORENES, administration & dosage/ HEPATECTOMY/ INTUBATION, GASTROINTESTINAL/ LIVER, pathology/ *LIVER REGENERATION, drug effects/ MALE/ MITOSIS, drug effects/ *NITROSAMINES/ NITROSAMINES, administration & dosage/ RATS/ TIME FACTORS

850. **D'Armiento M, Johnson GS, Pastan I:** Cyclic AMP and growth of fibroblasts: effect of environmental pH.
Nature [New Biol] 242:78-80, 21 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *CELL DIVISION/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CULTURE MEDIA/ FIBROBLASTS/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ LUNG/ MICE/ SV40 VIRUS

851. **Das RM:** The time-course of the mitotic response to oestrogen in the epithelia and stroma of the mouse uterus. J Endocrinol 55:203-4, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ DNA, biosyntbesis/ EPITHELIAL CELLS, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ *MITOSIS, drug effects/ PROGESTERONE, pharmacodynamics/ *UTERUS, drug effects

852. **Das RM:** The effects of oestrogen on the cell cycle in epithelial and connective tissues of the mouse uterus.
J Endocrinol 55:21-30, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ CONNECTIVE TISSUE, drug effects/ CONNECTIVE TISSUE, metabolism/ DNA, biosyntbesis/ EPITHELIUM, drug effects/ EPITHELIUM, metabolism/ *ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ MICE/ MITOSIS/ PROGESTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ *UTERUS, drug effects/ UTERUS, metabolism

853. **David M, Soferman N:** [Partial molar transformation of the placenta with a live microcephalic infant]
Harefuah 84:23-5, 1 Jan 73 (Heb)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ *MICROCEPHALY, complications/ MICROCEPHALY, diagnosis/ *PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, diagnosis/ PREGNANCY

854. **Davidoff M, Galabov G:** Typische Lysosomenarten in den Zellen der einzelnen Gebiete des Zentralnervensystems der Ratte.
Brain Res 49:125-33, 15 Jan 73 (Ger)
ANIMAL EXPERIMENTS/ *CENTRAL NERVOUS SYSTEM, cytology/ CEREBRAL CORTEX, cytology/ CHOROID PLEXUS, cytology/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, metabolism/ HIPPOCAMPUS, cytology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, cytology/ LIPIDS, metabolism/ *LYSOSOMES/ LYSOSOMES, metabolism/ MOTOR NEURONS, metabolism/ NEUROGLIA, metabolism/ NEURONS, metabolism/ PIGMENTS, metabolism/ PURKINJE CELLS, metabolism/ RATS/ SPINAL CORD, cytology

855. **Davidson CS:** Hepatic disease and pregnancy.
J Reprod Med 10:107-10, Mar 73 (41 ref.)
BILE ACIDS AND SALTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ FATTY LIVER, etiology/ FATTY LIVER, pathology/ HALOTHANE, adverse effects/ HEPATITIS, INFECTIOUS, etiology/ HEPATITIS, INFECTIOUS, therapy/ HEPATITIS, TOXIC, etiology/ HUMAN/ JAUNDICE, etiology/ *LIVER DISEASES, complications/ MALE/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, INFECTIOUS, etiology/ PREGNANCY COMPLICATIONS, INFECTIOUS, therapy/ PREGNANCY TOXEMIAS/ PRURITUS, etiology/ REVIEW/ VOMITING

856. **Davidson F:** Short-term high-dose metronidazole for vaginal trichomoniasis.
J Obstet Gynaecol Br Commonw 80:368-70, Apr 73
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL/ FEMALE/ GONORRHEA, complications/ HUMAN/ MALE/ METRONIDAZOLE, administration & dosage/ METRONIDAZOLE, adverse effects/ *METRONIDAZOLE, therapeutic use/ MIDDLE AGE/ MONILIASIS, complications/ TRICHOMONAS VAGINITIS, complications/ *TRICHOMONAS VAGINITIS, drug therapy

857. **Davidson MB, Bernstein JM:** The effect of nicotinic acid on growth hormone-induced lipolysis and glucose intolerance. J Lab Clin Med 81:568-76, Apr 73
ADMINISTRATION, ORAL/ BLOOD SUGAR, analysis/ DIABETES MELLITUS, chemically induced/ FATTY ACIDS, NONESTERIFIED, blood/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAMUSCULAR/ INSULIN, blood/ *LIPID MOBILIZATION, drug effects/ MALE/ NICOTINIC ACID, administration & dosage/ *NICOTINIC ACID, pharmacodynamics/ SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, blood/ *SOMATOTROPIN, pharmacodynamics

858. **Davidson MB, Van Herle AJ, Gorscheason LE:** Insulin and Sepharose-insulin effects on tyrosine transaminase levels in cultured rat liver cells.
Endocrinology 92:1442-6, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELLS, CULTURED/ DEXAMETHASONE, pharmacodynamics/ IN

VITRO/ *INSULIN, pharmacodynamics/ *LIVER, enzymology/ *POLYSACCHARIDES, pharmacodynamics/ RATS/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, metabolism

859. **Davies DM:** Sixty days in a submarine: the pathophysiological and metabolic cost. J R Coll Physicians Lond 7:132-44, Jan 73
ACID-BASE EQUILIBRIUM/ ADRENAL CORTEX HORMONES, physiology/ AIR POLLUTION/ CALCIUM, metabolism/ CARBON DIOXIDE, blood/ CARBON MONOXIDE, adverse effects/ CARBON MONOXIDE, blood/ CARDIOVASCULAR DISEASES, chemically induced/ ENVIRONMENT, CONTROLLED/ EOSINOPHILS/ ERYTHROCYTE COUNT/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ HYPERCAPNIA, etiology/ MAGNESIUM, metabolism/ MALE/ MAXIMUM PERMISSIBLE EXPOSURE LEVEL/ NUCLEAR REACTORS/ PHOSPHORUS, metabolism/ *SUBMARINE MEDICINE/ WATER-ELECTROLYTE BALANCE

860. **Davies DR, Ives DR, Shaw DG, et al:** Selective venous catheterisation and radioimmunoassay of parathyroid hormone in the diagnosis and localisation of parathyroid tumours. Lancet 1:1079-82, 19 May 73
*ADENOMA, diagnosis/ ADULT/ CALCIUM, blood/ *CARCINOMA, diagnosis/ *CATHETERIZATION/ FEMALE/ FEMORAL VEIN/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis/ PHOSPHATES, blood/ RADIOIMMUNOASSAY/ RECURRENCE/ TIME FACTORS/ VEINS

861. **Davies DW, Steward DJ:** Myasthenia gravis in children and anaesthetic management for thymectomy. Can Anaesth Soc J 20:253-8, May 73
ADOLESCENCE/ *ANESTHESIA/ ANESTHESIA, INHALATION/ ANESTHESIA, INTRAVENOUS/ ATROPINE/ CHILD/ CHILD, PRESCHOOL/ ELECTROMYOGRAPHY/ FEMALE/ HALOTHANE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ MYASTHENIA GRAVIS, diagnosis/ *MYASTHENIA GRAVIS, surgery/ NITROUS OXIDE/ POSTOPERATIVE COMPLICATIONS/ THIOPENTAL/ *THYMECTOMY

862. **Davies HF, Hartley R, Schild HO:** Mode of action of permeability factor obtained from the spleen. Br J Pharmacol 46:564P-565P, Nov 72
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *CAPILLARY PERMEABILITY, drug effects/ COMPOUND 48-80, pharmacodynamics/ DYES/ HISTAMINE LIBERATION/ IODOACETATES, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ *PROTEINS, pharmacodynamics/ RATS/ SEROTONIN, secretion/ *SPLEEN/ *TISSUE EXTRACTS, pharmacodynamics

863. **Davies J, Tyrrell DA, Ramsden DB, et al:** Some inhibitors of the effect of cholera toxin on HeLa cells. Exp Mol Pathol 18:1-9, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALPHA GLOBULIN/ *ANTITOXINS/ ETHACRYNIC ACID, pharmacodynamics/ GANGLIOSIDES, pharmacodynamics/ *HELA CELLS/ HELA CELLS, drug effects/ HUMAN/ MACROGLOBULINS/ MICROSCOPY, ELECTRON/ THEOPHYLLINE, pharmacodynamics/ *TOXINS/ *VIBRIO

864. **Davies P, Fahmy AR, Pierrepoint CG, et al:** Hormonal effects in vitro on prostatic ribonucleic acid polymerase. Biochem J 129:1167-9, Oct 72
ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, pharmacodynamics/ DOGS/ IN VITRO/ MALE/ PROSTATE, drug effects/ *PROSTATE, enzymology/ RATS/ *RNA POLYMERASE/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

865. **Davies VJ, Bellamy D:** The olfactory response of mice to urine and effects of gonadectomy. J Endocrinol 55:11-20, Oct 72
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ CASTRATION/ ESTRUS/ FEMALE/ FREEZING/ MALE/ MICE/ *OVARY, physiology/ PERIODICITY/ *PHEROMONES, urine/ PREGNANCY/ PRESERVATION, BIOLOGICAL/ SEX FACTORS/ SMELL/ *TESTIS, physiology/ TIME FACTORS/ URINE

866. **Davis AH, Davison MC, Webster DM:** Intracranial reinforcement in pigeons: an analysis using concurrent schedules. Physiol Behav 9:385-90, Sep 72
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ PIGEONS/ *REINFORCEMENT (PSYCHOLOGY)/ REINFORCEMENT SCHEDULE/ *SELF STIMULATION/ STEREOTAXIC TECHNICS

867. **Davis HL Jr, Prout MN, McKenna PJ, et al:** Acute leukemia complicating metastatic breast cancer. Cancer 31:543-6, Mar 73
ADULT/ *ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ CHLORAMBUCIL, adverse effects/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUOROURACIL, adverse effects/ FLUOROURACIL, therapeutic use/ FLUOXYMESTERONE, adverse effects/ FLUOXYMESTERONE, adverse effects/ FLUOXYMESTERONE, therapeutic use/ FLUOXYMESTERONE, therapeutic use/ HUMAN/ *LEUKEMIA, MYELOBLASTIC, chemically induced/ *LEUKEMIA, MYELOCYTIC, chemically induced/ METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

868. **Davis JN, Carlsson A:** Effect of hypoxia on tyrosine and tryptophan hydroxylation in unanaesthetized rat brain. J Neurochem 20:913-5, Mar 73
ANIMAL EXPERIMENTS/ *ANOXIA, metabolism/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ DOPA, metabolism/ DOPA DECARBOXYLASE, antagonists & inhibitors/ HYDROXYLATION/ MALE/ NITROGEN/ OXYGEN, blood/ RATS/ SEROTONIN, metabolism/ *TRYPTOPHAN, metabolism/ *TYROSINE, metabolism

869. **Davis PJ, Jurgelski W Jr:** Thyroid hormone-binding in opossum serum: evidence for polymorphism and relationship to haptoglobin polymorphism. Endocrinology 92:822-32, Mar 73
ANIMAL EXPERIMENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *HAPTOGLOBINS/ HYBRIDIZATION/ IODINE ISOTOPES/ MALE/ OPOSSUMS/ PHENOTYPE/ POLYMORPHISM (GENETICS)/ *SERUM ALBUMIN/ STAINS AND STAINING/ THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, blood/ TRIIODOTHYRONINE, blood

870. **Davis RH, Balin H:** Saliva glucose: a useful criterion for determining the time of fertility in women. Am J Obstet Gynecol 115:287-8, 15 Jan 73
COLORIMETRY/ FEMALE/ *FERTILITY/ *GLUCOSE, analysis/ HUMAN/ INDICATORS AND REAGENTS/ MENSTRUATION/ *OVULATION/ PREGNANCY/ *SALIVA, analysis

871. **Davis RH, Kyriazis GA, Bohner J:** Note on the rabbit ovary. Lab Anim Sci 23:289, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ OVARY,

anatomy & histology/ *OVARY, physiology/ OVULATION/ *RABBITS, physiology

872. Davis SL, Borger ML: Metabolic clearance rates and secretion rates of prolactin in sheep.
Endocrinology 92:1414-8, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ IODINE ISOTOPES/ LACTATION/ METABOLIC CLEARANCE RATE/ OVARY, physiology/ PREGNANCY/ *PROLACTIN, metabolism/ SECRETORY RATE/ SHEEP

873. Davison P, Ramwell PW, Willis AL: Inhibition of intestinal tone and prostaglandin synthesis by 5,8,11,14 tetraynoic acid.
Br J Pharmacol 46:547P-548P, Nov 72
ACETYLCHOLINE, pharmacodynamics/ *ACIDS, pharmacodynamics/ ALKYNES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ *ILEUM, drug effects/ IN VITRO/ INJECTIONS, INTRAVENOUS/ *MUSCLE TONUS, drug effects/ NICOTINE, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ SEROTONIN, pharmacodynamics

874. Davydov SN, Gazdieva BM: Vliianie akusherskogo narkoza na motoriku matki.
Vopr Okhr Materin Det 18:20-5, Feb 73 (Rus)
ANESTHESIA, INTRATRACHEAL/ *ANESTHESIA, OBSTETRICAL/ CESAREAN SECTION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYDIONE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ TELEMETRY/ *UTERUS, drug effects

875. Davydova SI: Effect of temperature and keeping time of female sturgeons in captivity on maturation of oocytes under the influence of hormones in vitro.
Sov J Dev Biol 3:339-44, Jul-Aug 72
ANIMAL EXPERIMENTS/ FEMALE/ *FISHES, physiology/ GONADOTROPINS, PITUITARY, pharmacodynamics/ IN VITRO/ OVUM, drug effects/ *OVUM, growth & development/ PITUITARY GLAND/ *PROGESTERONE, pharmacodynamics/ *TEMPERATURE/ TIME FACTORS

876. Dawson WG: A case of hydrocolpos.
Br Med J 2:155, 21 Apr 73
AMPICILLIN, therapeutic use/ CERVIX MUCUS, secretion/ CLOXACILLIN, therapeutic use/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ HYMEN, surgery/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ VAGINAL DISEASES, congenital/ *VAGINAL DISEASES, diagnosis/ VAGINAL DISEASES, surgery

877. Dean PD, Rowe PH, Exley D: Preparation of oestriol-6-(O-carboxymethyl) oxime and oestrone-6-(carboxymethyl) oxime-bovine serum albumin conjugates. Steroids Lipids Res 3:82-9, 1972
ACETIC ACIDS/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ CHROMIUM/ *ESTRIOL/ *ESTROGENIC SUBSTANCES, CONJUGATED, chem synthesis/ *ESTRONE/ FORMIC ACIDS/ HAPTENS/ HEAT/ KETOSTEROIDS/ MASS SPECTRUM ANALYSIS/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OXIDES/ *OXIMES/ *SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, ULTRAVIOLET

878. Deaven LL, Petersen DF: The chromosomes of CHO, an aneuploid Chinese hamster cell line: G-band, C-band, and autoradiographic analyses.
Chromosoma 41:129-44, 1973
*ANEUPLOIDY/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL LINE/ CHROMATIN/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ DNA, biosynthesis/ FEMALE/ FIBROBLASTS/ FLUOROMETRY/ HAMSTERS/ HETEROCHROMATIN/ KARYOTYPING/ OVARY, cytology/ SEX CHROMOSOMES/ STAINS AND STAINING/ THYMIDINE/ TRITIUM

879. Debeljuk L, Arimura A, Schally AV: Stimulation of release of FSH and LH by infusion of LH-RH and some of its analogues. Neuroendocrinology 11:130-6, 1973
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, secretion/ LH, secretion/ MALE/ PEPTIDE CHAIN TERMINATION/ PEPTIDE TERMINATION FACTORS/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ RATS

880. Debeljuk L, Arimura A, Shiino M, et al: Effects of chronic treatment with LH-FSH-RH in hypophysectomized pituitary-grafted male rats.
Endocrinology 92:921-30, Mar 73
ANIMAL EXPERIMENTS/ *FSH/ FSH, blood/ HYPOPHYSECTOMY/ *LH/ LH, blood/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ PITUITARY GLAND, cytology/ PITUITARY GLAND, physiology/ PITUITARY GLAND, transplantation/ *PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROLACTIN/ RATS/ SEMINAL VESICLES, drug effects/ *SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ TRANSPLANTATION, HOMOLOGOUS

881. Debons AF, Krimsky I, From A: Modification of alloxan-induced diabetes: correlated changes in hypothalamic satiety center.
Am J Physiol 224:862-9, Apr 73
*ALLOXAN DIABETES, prevention & control/ ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, pharmacodynamics/ BLOOD SUGAR/ BODY WEIGHT/ CARBON ISOTOPES/ DIET/ FEEDING BEHAVIOR, drug effects/ FEMALE/ FOOD DEPRIVATION/ GLUCONEOGENESIS, drug effects/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ HYPERGLYCEMIA, prevention & control/ HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiology/ IMMUNE SERUMS/ INSULIN, blood/ INSULIN ANTIBODIES/ MICE/ MICE, INBRED CBA/ NECROSIS, pathology/ PYRUVATES, metabolism/ TIME FACTORS

882. Decheva Z, Tomova Iv: Vurkhu mekhanizma na deistvie na ekssangvinotransfuziiata pri lucheva bolest.
Eksp Med Morfol 11:226-31, 1972 (Bul)
ACUTE DISEASE/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS, transplantation/ DNA, biosynthesis/ ENGLISH ABSTRACT/ *EXCHANGE TRANSFUSION/ FEMALE/ HEMATOPOIETIC STEM CELLS, immunology/ LEUKOCYTES, immunology/ MALE/ RABBITS/ *RADIATION INJURIES, EXPERIMENTAL, immunology/ SEX CHROMATIN, analysis/ THYMIDINE/ TRANSPLANTATION IMMUNOLOGY

883. De Crombrugghe B, Adhya S, Gottesman M, et al: Effect of Rho on transcription of bacterial operons.
Nature [New Biol] 241:260-4, 28 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BACTERIAL PROTEINS, isolation & purification/ *BACTERIAL PROTEINS, metabolism/ CARBOHYDRATE ISOMERASES, biosynthesis/ CENTRIFUGATION, DENSITY GRADIENT/ COLIPHAGES/ DNA, BACTERIAL, metabolism/ DNA, VIRAL, metabolism/ ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism/ GALACTOSE, metabolism/ GENES, STRUCTURAL/ MUTATION/ NUCLEIC ACID HYBRIDIZATION/ NUCLEOTIDYLTRANSFERASES, biosynthesis/ *OPERON/ PHOSPHOTRANSFERASES, biosynthesis/ RNA, BACTERIAL, analysis/ RNA, BACTERIAL, biosynthesis/ RNA, VIRAL, metabolism/ TEMPLATES/ *TRANSCRIPTION, GENETIC/ TRITIUM

884. De Crombrugghe B, Pastan I, Shaw WV, et al: Stimulation by cyclic AMP and ppGpp of chloramphenicol acetyl transferase synthesis.

Nature [New Biol] 241:237-9, 21 Feb 73
*ACETYLTRANSFERASES, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CHLORAMPHENICOL/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ *GUANINE NUCLEOTIDES, pharmacodynamics/ KINETICS/ LYSOGENY/ MUTATION/ STIMULATION, CHEMICAL

885. **DeFeudis FV**: Actions of lithium on cerebral carbohydrate metabolism.
Res Commun Chem Pathol Pharmacol 5:789-96, May 73 (39 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, metabolism/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BRAIN, enzymology/ *BRAIN CHEMISTRY, drug effects/ DIAPHRAGM, metabolism/ *GLUCOSE, metabolism/ GLUTAMATES, metabolism/ *GLYCOGEN, metabolism/ HUMAN/ *LITHIUM, pharmacodynamics/ LIVER GLYCOGEN, metabolism/ MUSCLE, SMOOTH, metabolism/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ RATS/ REVIEW

886. **De la Chapelle A, Schröder J, Pernu M**: Isochromosome for the short arm of X, a human 46, XXpi syndrome.
Ann Hum Genet 36:79-87, Jul 72
ADOLESCENCE/ ANTHROPOMETRY/ BLOOD GROUPS/ BONE DEVELOPMENT/ *CHROMOSOME ABERRATIONS/ ELECTROCARDIOGRAPHY/ EPIPHYSES, growth & development/ FEMALE/ HUMAN/ KARYOTYPING/ KIDNEY PELVIS, abnormalities/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES/ SYNDROME

887. **Del Campo CH, Ginther OJ**: Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: horses, sheep, and swine.
Am J Vet Res 34:305-16, Mar 73 (59 ref.)
ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ ARTERIES, anatomy & histology/ ESTRUS/ FEMALE/ *HORSES, anatomy & histology/ HORSES, physiology/ *LH, physiology/ *OVARY, blood supply/ PHYSIOLOGY, COMPARATIVE/ REVIEW/ *SHEEP, anatomy & histology/ SHEEP, physiology/ *SWINE, anatomy & histology/ SWINE, physiology/ *UTERUS, blood supply/ UTERUS, physiology/ VEINS, anatomy & histology

888. **Del Conte E**: Les cellules thyréotropes de l'hypophyse antérieure chez Cnemidophorus L. lemniscatus (Sauria, Teiidae); influence de la thyroïdectomie.
Arch Anat Microsc Morphol Exp 61:91-104, Apr-Jun 72 (Fre)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ HISTOLOGICAL TECHNICS/ HYPERTROPHY, chemically induced/ LIZARDS/ METYRAPONE, pharmacodynamics/ MICROSCOPY/ PHOTOMICROGRAPHY/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ STAINS AND STAINING/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROTROPIN, secretion

889. **Deleon I, Alvarez-Buylla R, De Alvarez-Buylla ER**: Hormonal vaginal cytology in Canis familiaris.
Acta Physiol Lat Am 22:227-32, 1972
ANIMAL EXPERIMENTS/ DOGS/ *DOGS, physiology/ EOSINOPHILS/ EPITHELIAL CELLS/ *ESTROGENS, physiology/ *ESTRUS/ FEMALE/ LEUKOCYTES/ LYMPHOCYTES/ PREGNANCY/ PREGNANCY, ANIMAL/ PREGNANCY TESTS/ *PROGESTERONE, physiology/ *VAGINA, cytology/ VAGINAL SMEARS

890. **Della Corte F, Angelini F, Galgano M, et al**: The ultrastructure of the pars distalis of the hypophysis in males of Triturus cristatus carnifex Laur., treated with the antiandrogen cyproterone acetate.
Z Zellforsch Mikrosk Anat 137:209-21, 12 Feb 73
*ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ GLYCOPROTEINS/ GOLGI APPARATUS/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ *PREGNADIENES, pharmacodynamics/ TIME FACTORS/ *TRITURUS

891. **Delling G, Donath K**: Morphometrische, elektronenmikroskopische und physikalisch-chemische Untersuchungen über die experimentelle Osteoporose bei chronischer Acidose.
Virchows Arch [Pathol Anat] 358:321-30, 19 Feb 73 (Ger)
ACIDOSIS, complications/ ANIMAL EXPERIMENTS/ BONE AND BONES, pathology/ BONE RESORPTION/ CHEMISTRY, PHYSICAL/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FEMUR/ MICROSCOPY, ELECTRON/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, pathology/ PARATHYROID HORMONE, physiology/ RATS/ TIBIA

892. **De Matteis F**: Gli ipotiroidismi feto-neonatali.
Minerva Pediatr 25:175-89, 18 Feb 73 (Ita)
AMNIOCENTESIS/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, diagnosis/ FETUS, physiology/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, metabolism

893. **Demeulenaere L, Van Waes L**: Treatment of chronic active hepatitis.
Lancet 1:1124, 19 May 73
AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ COMPARATIVE STUDY/ *HEPATITIS, drug therapy/ HUMAN/ PREDNISONE, therapeutic use

894. **Demisch K, Schöffling K, Seiler N**: Identification of unconjugated androst-5-ene-diol in human peripheral plasma.
Eur J Biochem 34:25-7, 2 Apr 73
ACETYLATION/ *ANDROSTENES, blood/ BINDING SITES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ HYDROXYSTEROIDS, blood/ MALE/ MASS SPECTRUM ANALYSIS/ PROTEIN BINDING

895. **Denari JH, Rosner JM**: Sexual steroid uptake in the alloxanized diabetic rat.
Steroids Lipids Res 3:151-5, 1972
ALLOXAN DIABETES, drug therapy/ *ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ *ESTRADIOL, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ INSULIN, therapeutic use/ MALE/ MUSCLES, metabolism/ ORGAN SPECIFICITY/ PITUITARY GLAND, metabolism/ PROSTATE, metabolism/ RATS/ SEMINAL VESICLES, metabolism/ SEX FACTORS/ *TESTOSTERONE, metabolism/ TRITIUM/ UTERUS, metabolism/ VAGINA, metabolism

896. **De Nayer P, Labrique M, De Visscher M**: Synthesis and association of thyroglobulin subunits in a polyribosomal cell-free system.
Biochim Biophys Acta 294:309-21, 19 Jan 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ DISULFIDES, metabolism/ DRUG STABILITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUANIDINES, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ MERCAPTOETHANOL, pharmacodynamics/ MOLECULAR WEIGHT/ PEPTIDES, metabolism/ *POLYRIBOSOMES, metabolism/ RNA, RIBOSOMAL, metabolism/ SODIUM DODECYL SULFATE/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROGLOBULIN, biosynthesis/

THYROGLOBULIN, metabolism/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism

897. **De Nicola AF, De la Riva LJ, Basso N, et al:** Effects of ACTH and salt on blood pressure and sterold secretion in rats. Acta Physiol Lat Am 22:231-40, 1972
ADRENAL GLANDS, physiopathology/ *ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *CORTICOSTERONE, secretion/ *CORTICOTROPIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, secretion/ FEMALE/ HYDROXYCORTICOSTEROIDS, secretion/ HYPERTENSION, chemically induced/ HYPERTENSION, physiopathology/ MALE/ *PREGNENES, secretion/ RATS/ *SODIUM CHLORIDE, pharmacodynamics

898. **Denko CW, Moskowitz RW, Heinrich G:** Interrelated pharmacologic effects of prostaglandins and bradykinin. Pharmacology 8:353-60, 1972
ANIMAL EXPERIMENTS/ BRADYKININ, administration & dosage/ *BRADYKININ, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ UTERUS, drug effects

899. **Dennis KJ, Farr V, Klopper A:** The effect of intra-amniotic oestriol sulphate on abortion induced by hypertonic saline.
J Obstet Gynaecol Br Commonw 80:41-5, Jan 73
*ABORTION, INDUCED/ AMNIOTIC FLUID/ CLINICAL RESEARCH/ DELIVERY/ DRUG SYNERGISM/ *ESTRIOL, administration & dosage/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ INJECTIONS/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, administration & dosage/ PLACEBOS/ PREGNANCY/ *SODIUM CHLORIDE/ TIME FACTORS/ UTERUS, drug effects

900. **Deol MS, Whitten WK:** X-chromosome inactivation: does it occur at the same time in all cells of the embryo? Nature [New Biol] 240:277-9, 27 Dec 72
ANIMAL EXPERIMENTS/ CELL MOVEMENT/ CHOROID, cytology/ CHOROID, embryology/ CILIARY BODY, cytology/ CILIARY BODY, embryology/ *EMBRYO/ FEMALE/ IRIS, cytology/ IRIS, embryology/ LABYRINTH, cytology/ LABYRINTH, embryology/ *MELANOCYTES/ MICE/ MOSAICISM/ PIGMENTATION/ *SEX CHROMOSOMES

901. **De Pascale V, Bamonte F, Lavezzari E, et al:** Osservazioni tossicologiche sulla somministrazione prolungata di doxiciclina nel ratto e nel maiale nano.
Boll Chim Farm 111:755-76, Dec 72 (Ita)
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BONE AND BONES, drug effects/ CASTRATION/ DOXYCYCLINE, administration & dosage/ DOXYCYCLINE, pharmacodynamics/ *DOXYCYCLINE, toxicity/ ENGLISH ABSTRACT/ FEMALE/ KIDNEY, drug effects/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ OXYGEN CONSUMPTION, drug effects/ RATS/ SWINE/ THYROID GLAND, drug effects/ TIME FACTORS

902. **Dequeker J, Burssens A:** Fluoride and osteoporosis.
Br Med J 1:551, 3 Mar 73
FLUORIDES, administration & dosage/ *FLUORIDES, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy/ SODIUM, administration & dosage/ SODIUM, therapeutic use

903. **Derricourt RM:** Problems and researches in the prehistoric human ecology of the Transkei and Ciskei.
S Afr Med J 47:293-5, 24 Feb 73
*ARCHAEOLOGY/ ART/ BONE AND BONES/ CATTLE/ COOKING AND EATING UTENSILS/ DIET/ ECOLOGY/ MORTUARY CUSTOMS/ SOUTH AFRICA

904. **Desai PB:** Current thinking in Hodgkin's disease. Principles of treatment.
Indian J Cancer 9:315-8, Dec 72
CORTISONE, therapeutic use/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HODGKIN'S DISEASE, surgery/ *HODGKIN'S DISEASE, therapy/ HUMAN/ PALLIATIVE TREATMENT/ SPLENECTOMY

905. **De Santis RA, Garcia MG, Czerwinski C, et al:** Effects of glucocorticoid and aminophylline on glucose intolerance of adrenalectomized rats.
Endocrinology 92:716-21, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ *CORTISONE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOSE TOLERANCE TEST/ INSULIN, blood/ MALE/ RATS

906. **Descamps B, Hinglais N, Crosnier J:** Renal transplantation between 33 HL-A-identical siblings.
Transplant Proc 5:231-6, Mar 73
AZATHIOPRINE, therapeutic use/ GRAFT REJECTION/ *HISTOCOMPATIBILITY/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ LEUKOCYTE CULTURE TEST, MIXED/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

907. **Deshmukh K, Just M, Nimni ME:** A defect in the intramolecular and intermolecular cross-linking of collagen caused by penicillamine. 3. Accumulation of acid soluble collagen with a high hydroxylysine content in bone. Clin Orthop 91:186-96, Mar-Apr 73
ALDEHYDES, analysis/ AMINO ACIDS, analysis/ *AMINOPROPIONITRILE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CENTRIFUGATION/ CHROMATOGRAPHY/ COLLAGEN, biosynthesis/ *COLLAGEN, metabolism/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEXOSES, analysis/ HYDROXYLYSINE, analysis/ OPTICAL ROTATION/ OPTICAL ROTATORY DISPERSION/ OXIDATION-REDUCTION/ *PENICILLAMINE, pharmacodynamics/ RATS/ VISCOSITY

908. **DeSteno CV, Feagin FF:** Reactions of fluoride and carbonate ions during dissolution and mineralization of partially recalcified dentin.
Ala J Med Sci 10:60-6, Jan 73
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ *CALCIUM CARBONATE, metabolism/ *CALCIUM PHOSPHATES, metabolism/ CATTLE/ *DENTIN, metabolism/ *FLUORIDES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INCISOR/ SODIUM CHLORIDE, pharmacodynamics

909. **Detenbeck LC, Tressler HA, O'Duffy JD, et al:** Peripheral joint manifestations of acromegaly.
Clin Orthop 91:119-27, Mar-Apr 73
*ACROMEGALY/ ACROMEGALY, pathology/ ACROMEGALY, radiography/ ACROMEGALY, surgery/ ADULT/ AGED/ ANKLE, radiography/ ANKLE, surgery/ *ANKLE JOINT, physiopathology/ CARTILAGE, ARTICULAR, pathology/ ELBOW, radiography/ ELBOW, surgery/ *ELBOW JOINT, physiopathology/ FEMALE/ HIP, radiography/ HIP, surgery/ *HIP JOINT, physiopathology/ HUMAN/ JOINTS, pathology/ JOINTS, surgery/ KNEE, radiography/ KNEE, surgery/ *KNEE JOINT, physiopathology/ MALE/ MIDDLE AGE/ SHOULDER, radiography/ SHOULDER, surgery/ *SHOULDER JOINT, physiopathology/ SYNOVITIS, pathology

910. **Detiuk ES, Avgustinovich MS, Baranetskaia IS, et al:** Gistofiziologiia shchitovidnof zhelezy pri vvedenii

merkazolila.
Probl Endokrinol (Mosk) 19:69-73, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ BASAL METABOLISM, drug effects/ ENGLISH ABSTRACT/ *IMIDAZOLES, pharmacodynamics/ MALE/ ORGAN WEIGHT/ RATS/ *THYROID ANTAGONISTS, pharmacodynamics/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROID GLAND, physiology

911. **Develing AJ, Conte FA, Epstein CJ:** A Y-autosome translocation 46,X,t(Yq-7q+) associated with multiple congenital anomalies.
J Pediatr 82:495-8, Mar 73
*ABNORMALITIES, MULTIPLE, complications/ AUTORADIOGRAPHY/ *CHROMOSOME ABERRATIONS/ EAR, EXTERNAL, abnormalities/ EYE, abnormalities/ FSH, blood/ HUMAN/ INFANT/ KARYOTYPING/ LH, blood/ MALE/ MICROCEPHALY, complications/ NOSE DEFORMITIES/ *SEX CHROMOSOME ABNORMALITIES, complications/ SYNDACTYLIA, complications

912. **Devine CE, Somiyo AV, Somiyo AP:** Sarcoplasmic reticulum and mitochondria as cation accumulation sites in smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:17-23, 15 Mar 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BARIUM, metabolism/ BINDING SITES/ *CALCIUM, metabolism/ CALCIUM, physiology/ CELL MEMBRANE/ ESTROGENS, pharmacodynamics/ FEMALE/ HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, MUSCLE, metabolism/ MITOCHONDRIA, MUSCLE, physiology/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ OVIDUCTS, cytology/ PULMONARY ARTERY, cytology/ RABBITS/ RATS/ *SARCOPLASMIC RETICULUM, metabolism/ SARCOPLASMIC RETICULUM, physiology/ STRONTIUM, metabolism/ TURTLES/ UTERUS, cytology

913. **DeVita VT, Schein PS:** The use of drugs in combination for the treatment of cancer: rationale and results.
N Engl J Med 288:998-1006, 10 May 73 (75 ref.)
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, administration & dosage/ BREAST NEOPLASMS, drug therapy/ CHILD/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG RESISTANCE/ DRUG SYNERGISM/ FEMALE/ GASTROINTESTINAL NEOPLASMS, drug therapy/ HODGKIN'S DISEASE, drug therapy/ LEUKEMIA L1210, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LYMPHOMA, drug therapy/ MALE/ MODELS, BIOLOGICAL/ *NEOPLASMS, drug therapy/ NEOPLASMS, mortality/ NEPHROBLASTOMA, drug therapy/ NEUROBLASTOMA, drug therapy/ REMISSION/ REVIEW/ TESTICULAR NEOPLASMS, drug therapy/ TIME FACTORS

914. **Dewar AD:** Effects of hysterectomy on corpus luteum activity in the cyclic, pseudopregnant and pregnant mouse. J Reprod Fertil 33:77-89, Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ *HYSTERECTOMY/ MALE/ MICE/ ORGAN WEIGHT/ PLACENTA/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PSEUDOPREGNANCY/ TIME FACTORS/ UTERUS, physiology/ VASECTOMY

915. **Dewhurst CJ, Lucas M:** Sex chromosome mosaicism in secondary amenorrhea and oligomenorrhea.
Am J Obstet Gynecol 115:1163, 15 Apr 73
AMENORRHEA, familial & genetic/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, familial & genetic/ *MOSAICISM/ MOUTH MUCOSA, cytology/ *SEX CHROMOSOMES

916. **Dewhurst F, Kitchen DA:** Effect of 6-substituted benzo(a)pyrene derivatives upon mouse liver.
Biochem Pharmacol 22:561-6, 1 Mar 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *BENZOPYRENES, pharmacodynamics/ BIOTRANSFORMATION/ DEPRESSION, CHEMICAL/ DNA, metabolism/ FEMALE/ GLUCOCORTICOIDS, biosynthesis/ LIVER, anatomy & histology/ *LIVER, drug effects/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MICE/ MICROSOMES, LIVER, enzymology/ ORGAN WEIGHT/ PROTEINS, metabolism/ RNA, metabolism/ TIME FACTORS

917. **Deysine M:** Action of bone haemodynamics on lacunae-wall calcification. Lancet 1:805-7, 14 Apr 73
*BONE AND BONES, blood supply/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ CALCIUM, urine/ CAPILLARIES, physiology/ CIRCADIAN RHYTHM/ CRYSTALLIZATION/ EXTREMITIES, blood supply/ FILTRATION/ FRACTURES/ *HEMODYNAMICS/ POSTURE/ TIME FACTORS/ VASCULAR DISEASES, physiopathology/ VENOUS PRESSURE

918. **Dhainaut A:** Mode de formation fes lamelles annelées résultant de l'évolution, en condition anhormonale, des ovocytes de Nereis diversicolor (Annélide polychète.
Z Zellforsch Mikrosk Anat 137:481-92, 7 Mar 73 (Fre)
*ANNELIDA, cytology/ ANNELIDA, embryology/ CELL DIFFERENTIATION/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ HORMONES/ MICROSCOPY, ELECTRON/ OVUM, cytology/ PEPSIN

919. **Dhasmana KM, Fokker WA, Spilker BA:** Peripheral cardiovascular effects, in the pithed rat, of compounds used in the treatment of hypertension.
Br J Pharmacol 46:508-10, Nov 72
ANIMAL EXPERIMENTS/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CHORDOTOMY/ CLONIDINE, pharmacodynamics/ DIAZOXIDE, pharmacodynamics/ ELECTRIC STIMULATION/ ERGOTAMINE, pharmacodynamics/ GUANETHIDINE, pharmacodynamics/ HYDROCHLOROTHIAZIDE, pharmacodynamics/ IPRONIAZID, pharmacodynamics/ MALE/ MECAMYLAMINE, pharmacodynamics/ METHYLDOPA, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ THIOCYANATES, pharmacodynamics/ TRIMETHAPHAN, pharmacodynamics

920. **Dickmann Z:** Postcoital contraceptive effects of medroxyprogesterone acetate and oestrone in rats.
J Reprod Fertil 32:65-9, Jan 73
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, POSTCOITAL/ ESTRONE, administration & dosage/ *ESTRONE, pharmacodynamics/ FEMALE/ FERTILIZATION/ INJECTIONS, SUBCUTANEOUS/ MEDROXYPROGESTERONE, pharmacodynamics/ NIDATION, drug effects/ OVUM, drug effects/ PREGNANCY/ RATS

921. **Dickmann Z:** Short- and long-term effects of a single injection of depo-medroxyprogesterone acetate (provera) on the vaginal smear, ovulation and mating in the rat. J Reprod Fertil 32:447-51, Mar 73
ANIMAL EXPERIMENTS/ ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ INJECTIONS, SUBCUTANEOUS/ *MEDROXYPROGESTERONE, pharmacodynamics/ *OVULATION, drug effects/ PERIODICITY/ PREGNANCY/ RATS/ *REPRODUCTION, drug effects/ VAGINAL SMEARS

922. **Dickson ER, Maldonado JE, Sheps SG, et al:** Systemic giant-cell arteritis with polymyalgia rheumatica, reveralble abnormalities of liver function.
JAMA 224:1496-8, 11 Jun 73
AGED/ AORTOGRAPHY/ *ARTERITIS, complications/ ARTERITIS, drug therapy/

ARTERITIS, pathology/ ARTERITIS, physiopathology/ ARTERITIS, radiography/ BIOPSY/ FEMALE/ HUMAN/ *LIVER, physiopathology/ MALE/ MIDDLE AGE/ *POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, pathology/ POLYMYALGIA RHEUMATICA, physiopathology/ PREDNISONE, therapeutic use/ TEMPORAL ARTERITIS, complications

923. **Dickson RA, Paice F, Nicolle FV:** The assessment of hand function. II. Forces and bone density, a relationship in the hand. Hand 5:15-24, Feb 73
ADULT/ BIOMECHANICS/ FINGERS, physiology/ FINGERS, physiopathology/ *HAND, physiology/ HAND, physiopathology/ HUMAN/ MALE/ METACARPUS, physiology/ METACARPUS, physiopathology/ METACARPUS, radiography/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, physiopathology/ OSTEOPOROSIS, radiography/ RHEUMATISM, complications/ RHEUMATISM, physiopathology/ RHEUMATISM, radiography/ TELEVISION

924. **Dierschke DJ, Yamaji T, Karsch FJ, et al:** Blockade by progesterone of estrogen-induced LH and FSH release in the rhesus monkey.
Endocrinology 92:1496-501, May 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, antagonists & inhibitors/ FEEDBACK/ FEMALE/ *FSH, blood/ *LH, blood/ MACACA/ MONKEYS/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology

925. **Dietze U, Tilgner S:** Reversible Linsentrübungen bei Wistar-Ratten nach einmaliger Applikation von Serotonin.
Ophthalmologica 166:76-80, 1973 (Ger)
ANIMAL EXPERIMENTS/ *CATARACT, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ LENS, CRYSTALLINE, drug effects/ MALE/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, adverse effects

926. **Dikshith TS, Datta KK:** Pathologic changes induced by pesticides in the testes and liver of rats.
Exp Pathol (Jena) 7:309-16, 1972
ANIMAL EXPERIMENTS/ DDT, toxicity/ INJECTIONS, INTRAPERITONEAL/ INSECTICIDES, toxicity/ LIVER, drug effects/ *LIVER, pathology/ MALE/ PARATHION, toxicity/ *PESTICIDES, toxicity/ RATS/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ *TESTIS, pathology/ TIME FACTORS

927. **Dilman VM, Golubev VN, Krylova NV:** Dissociation of hormonal and antigenic activity of luteinizing hormone excreted in endometrial carcinoma patients (endogenous anahormones).
Am J Obstet Gynecol 115:966-71, 1 Apr 73
ADENOCARCINOMA, immunology/ *ADENOCARCINOMA, metabolism/ *ANTIGENS/ BREAST NEOPLASMS, immunology/ BREAST NEOPLASMS, metabolism/ CERVIX NEOPLASMS, immunology/ CERVIX NEOPLASMS, metabolism/ ENDOMETRIOSIS, immunology/ *ENDOMETRIOSIS, metabolism/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ *HORMONES, ECTOPIC, secretion/ HUMAN/ HYDROXYPROGESTERONE, therapeutic use/ IMMUNOASSAY/ *LH, secretion/ MENOPAUSE/ MIDDLE AGE/ OVARIAN NEOPLASMS, immunology/ OVARIAN NEOPLASMS, metabolism

928. **Dimić M:** O mehanizmu dejstva hronhodilatatora. (Zbirni referat.
Plucne Bolesti Tuberk 24:234-9, Jul-Sep 72 (17 ref.) (Cro)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ASTHMA, drug therapy/ BRONCHIAL SPASM, drug therapy/ *BRONCHODILATOR AGENTS, pharmacodynamics/ BRONCHODILATOR AGENTS, therapeutic use/ HUMAN/ LUNG, enzymology/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, enzymology/ PHOSPHODIESTERASES, metabolism/ RECEPTORS, DRUG, drug effects/ REVIEW

929. **Dimitrow L, Oreschkow W, Nikolow T, et al:** Radiometrische Indizes und Splenektomie bei der leberform der essentiellen Thrombopenie.
Blut 26:134-40, Feb 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ BLOOD PLATELETS/ CHROMIUM ISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HALF-LIFE/ HEART, pathology/ HUMAN/ KIDNEY, pathology/ LIVER, pathology/ LIVER DISEASES, drug therapy/ LIVER DISEASES, pathology/ *LIVER DISEASES, surgery/ PROGNOSIS/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOPENIC, pathology/ *PURPURA, THROMBOPENIC, surgery/ RADIOISOTOPE SCANNING/ RECURRENCE/ SPLEEN, pathology/ *SPLENECTOMY

930. **Dimova-Capkánova P:** Cytological and cytochemical studies of the reactive connective tissue after interaction with some corticosteroids.
Folia Med (Plovdiv) 14:235-9, 1972
ANIMAL EXPERIMENTS/ *FOREIGN BODIES/ GLASS/ *GLUCOCORTICOIDS, pharmacodynamics/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ *INFLAMMATION/ MACROPHAGES/ *MINERALOCORTICOIDS, pharmacodynamics/ *PHAGOCYTOSIS/ RATS

931. **Dingell JV, Miller KW, Heath EC, et al:** The intracellular localization of 9-tetrahydrocannabinol in liver and its effects on drug metabolism in vitro.
Biochem Pharmacol 22:949-58, 15 Apr 73
AMINOPYRINE, metabolism/ ANIMAL EXPERIMENTS/ BENZOATES, metabolism/ *CANNABIS, analysis/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ DEALKYLATION/ *DRUGS, metabolism/ ESTRADIOL, metabolism/ GLUCURONATES/ HEXOBARBITAL, metabolism/ HEXOSYLTRANSFERASES, metabolism/ IN VITRO/ KINETICS/ *LIVER, cytology/ LIVER, metabolism/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ NITROPHENOLS, metabolism/ OXIDATION-REDUCTION/ PROADIFEN, metabolism/ RATS/ TETRAHYDROCANNABINOL, analysis/ TETRAHYDROCANNABINOL, metabolism/ TETRAHYDROCANNABINOL, pharmacodynamics/ TRITIUM

932. **Dmitriev IM:** Vzaiemozv'iazok hilkovoho ta mineral'noho ohminu v kistkovii tkanyi pry rakhiti.
Pediatr Akush Ginekol 5:29-30, Oct 72 (Ukr)
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CARBON ISOTOPES/ *CARBONATES, metabolism/ *PROTEINS, biosynthesis/ RATS/ *RICKETS, metabolism/ *TOOTH CALCIFICATION

933. **Dobrin Biu:** Izmeneniia EKG u boi'nykh vegetativnymi paraksizmami tserebralnogo geneza.
Ter Arkh 44:47-50, Sep 72 (Rus)
ADOLESCENCE/ ADULT/ BRAIN, physiopathology/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART, physiopathology/ *HEART DISEASES, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ SYMPATHETIC NERVOUS SYSTEM, physiopathology

934. **Dobrotina AF, Darovskaia MG, Strukova VI:** Ekskretsiia polovykh gormonov v protsesse rodov.
Vopr Okhr Materin Det 17:42-5, Nov 72 (Rus)
ENGLISH ABSTRACT/ ESTRIOL, urine/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ *PREGNANEDIOL, urine

935. **Dobrotka G, Kokavec M:** Psychotropné ú činné látky a delikvencia mladistvých.
Cesk Patol 9:6-10, Feb 73 (Slo)

ADOLESCENCE/ ADULT/ AMPHETAMINE/ CRIMINAL PSYCHOLOGY/ *DRUG ABUSE/ *DRUG ADDICTION/ FORENSIC MEDICINE/ HUMAN/ *JUVENILE DELINQUENCY/ METHADONE/ MOTIVATION/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ SOCIOPATHIC PERSONALITY, complications

936. **Dobson EL, Kelly LS:** The combined stimulation of the reticuloendothelial system by estradiol and endotoxin. J Reticuloendothel Soc 13:61-9, Jan 73
ANIMAL EXPERIMENTS/ CARBON, diagnostic use/ COLLOIDS, diagnostic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ ENDOTOXINS, administration & dosage/ *ENDOTOXINS, pharmacodynamics/ ENDOTOXINS, poisoning/ ESCHERICHIA COLI/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ KINETICS/ MALE/ *METABOLIC CLEARANCE RATE, drug effects/ MICE/ PHAGOCYTES, physiology/ PHAGOCYTOSIS, drug effects/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ RETICULOENDOTHELIAL SYSTEM, immunology/ STIMULATION, CHEMICAL/ TIME FACTORS

937. **Dockx P, Kayihigi J:** Scleredema adultorum Buschke in a Rwandese woman.
Ann Soc Belg Med Trop 52:531-6, 1972
ADULT/ BIOPSY/ FEMALE/ HUMAN/ PREDNISOLONE, therapeutic use/ RWANDA/ *SCLEREDEMA ADULTORUM/ SCLEREDEMA ADULTORUM, drug therapy/ SCLEREDEMA ADULTORUM, pathology

938. **Dods RF, Burdowski A:** Adenosine 3',5'--cyclic monophosphate dependent protein kinase and phosphoprotein phosphatase activities in rat islets of Langerhans.
Biochem Biophys Res Commun 51:421-7, 17 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ IN VITRO/ *ISLANDS OF LANGERHANS, enzymology/ *PHOSPHATASES, metabolism/ PHOSPHOPROTEINS/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ RATS/ SOLUBILITY/ TIME FACTORS

939. **Doench K, Frischkorn R, Rosenow U:** Die Peritoneographie mit Urovison vor der Radiogoldapplikation.
Fortschr Geb Roentgenstr Nuklearmed 118:413-7, 1973 (Ger)
ADHESIONS, radiography/ ADOLESCENCE/ ADULT/ AGED/ *DIATRIZOATE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ FLUOROSCOPY/ GOLD COLLOID, RADIOACTIVE/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ METHODS/ MIDDLE AGE/ OVARIAN NEOPLASMS, radiography/ OVARIAN NEOPLASMS, radiotherapy/ PERITONEAL CAVITY, radiography/ *PERITONEUM, radiography

940. **Doering CH, Shire JG, Kessler S, et al:** Genetic and biochemical studies of the adrenal lipid depletion phenotype in mice. Biochem Genet 8:101-11, Jan 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, metabolism/ CROSSES, GENETIC/ ESTERS, analysis/ ESTERS, metabolism/ GENES/ GENETIC COMPLEMENTATION TEST/ HYBRIDIZATION/ IN VITRO/ MALE/ MICE/ MICE, INBRED AKR/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MICE, INBRED STRAINS/ *PHENOTYPE

941. **Dolby AE:** Management of recurrent oral ulceration.
Practitioner 210:403-8, Mar 73
CHLORDIAZEPOXIDE, therapeutic use/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ ISOCARBOXAZID, therapeutic use/ LIDOCAINE, therapeutic use/ RECURRENCE/ STOMATITIS, diagnosis/ *STOMATITIS, drug therapy/ STOMATITIS, APHTHOUS, drug therapy/ TETRACYCLINE, therapeutic use

942. **Dolezalova H, Glacobini E, Stepita-Klauco M:** An attempt to identify putative neurotransmitter molecules in the central nervous system of the snail.
Int J Neurosci 5:53-6, Feb 73
*AMINES, analysis/ *AMINO ACIDS, analysis/ AMINOBUTYRIC ACID, analysis/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CENTRAL NERVOUS SYSTEM, analysis/ CHROMATOGRAPHY/ DOPA, analysis/ DOPAMINE, analysis/ EPINEPHRINE, analysis/ GANGLIA, analysis/ *NEUROHUMORS, analysis/ NOREPINEPHRINE, analysis/ PUTRESCINE, analysis/ SEROTONIN, analysis/ *SNAILS/ SPERMIDINE, analysis/ SPERMINE, analysis/ TRYPTAMINES, analysis/ TYRAMINE, analysis

943. **Doliński J, Lawiński M, Noczyński L:** Przypadek przedziurawienia jelita grubego ością rybią.
Wiad Lek 26:761-3, 15 Apr 73 (Pol)
AGED/ BONE AND BONES/ ENGLISH ABSTRACT/ FISHES/ *FOREIGN BODIES, complications/ HUMAN/ *INTESTINAL PERFORATION, etiology/ *INTESTINE, LARGE/ MALE

944. **Domański E, Przekop F, Skubiszewski B:** The role of the anterior region of the medial basal hypothalamus in the control of ovulation and sexual behavior in sheep.
Acta Neurobiol Exp (Warsz) 32:753-62, 1972
ANIMAL EXPERIMENTS/ ESTRADIOL/ ESTRUS/ *HYPOTHALAMUS, physiology/ *OVULATION/ *SEX BEHAVIOR, ANIMAL/ SHEEP

945. **Domański E, Przekop F, Skubiszewski B:** Interaction of progesterone and estrogens on the hypothalamic center controlling estrous behavior in sheep.
Acta Neurobiol Exp (Warsz) 32:763-6, 1972
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, physiology/ *ESTRUS, drug effects/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ SEX BEHAVIOR, ANIMAL, drug effects/ SHEEP/ TRITIUM

946. **Domm BM, Vassallo CL:** Myxedema coma with respiratory failure.
Am Rev Respir Dis 107:842-5, May 73
*ACIDOSIS, RESPIRATORY, etiology/ AMPICILLIN, therapeutic use/ *ANOXEMIA, etiology/ *COMA, etiology/ DIGITALIS GLYCOSIDES, therapeutic use/ ETHACRYNIC ACID, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *MYXEDEMA, complications/ MYXEDEMA, therapy/ OXYGEN INHALATION THERAPY/ RESPIRATION, ARTIFICIAL/ *RESPIRATORY INSUFFICIENCY, etiology/ THYROXINE, therapeutic use

947. **Domschke W, Domschke S, Classen M, et al:** Histamin und die Magensekretion der Ratte: Adenosin-3',5'-monophosphat als "second messenger".
Naturwissenschaften 59:521, Nov 72 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DEXAMETHASONE, pharmacodynamics/ GASTRIC MUCOSA, analysis/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, secretion/ *HISTAMINE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

948. **Donald RA, Toth A:** A comparison of the

-melanocyte-stimulating hormone and corticotropin response to hypoglycemia.
J Clin Endocrinol Metab 36:925-30, May 73
ADDISON'S DISEASE, blood/ ADOLESCENCE/ ADULT/ *CORTICOTROPIN, blood/ CUSHING'S SYNDROME, blood/ FEEDBACK/ FEMALE/ HUMAN/ *HYPOGLYCEMIA, blood/ INSULIN, diagnostic use/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ *MSH, blood/ RADIOIMMUNOASSAY

949. **Donley RF, Sandt TM Jr:** The effect of dexamethasone on the edema of focal cerebral ischemia.
Stroke 4:148-55, Mar-Apr 73
ANIMAL EXPERIMENTS/ AUTOPSY/ BLOOD PRESSURE/ BRAIN, pathology/ BRAIN EDEMA, complications/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN EDEMA, pathology/ *CEREBRAL ISCHEMIA, TRANSIENT, complications/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, adverse effects/ *DEXAMETHASONE, therapeutic use/ FEMORAL ARTERY/ MONKEYS/ TIME FACTORS

950. **Donnelly TE Jr, Kuo JF, Reyes PL, et al:** Protein kinase modulator from lobster tail muscle. I. Stimulatory and inhibitory effects of the modulator on the phosphorylation of substrate proteins by guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases.
J Biol Chem 248:190-8, 10 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CALCIUM PHOSPHATES/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DRUG STABILITY/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HEAT/ HYDROXYAPATITE/ LOBSTERS/ *MUSCLE PROTEINS/ MUSCLE PROTEINS, analysis/ MUSCLE PROTEINS, isolation & purification/ *MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, isolation & purification/ SILKWORMS, enzymology

951. **Donnelly TE Jr, Kuo JF, Miyamoto E, et al:** Protein kinase modulator from lobster tail muscle. II. Effects of the modulator on holoenzyme and catalytic subunit of guanosine 3',5'-monophosphate-dependent and adenosine 3',5'-monophosphate-dependent protein kinases. J Biol Chem 248:199-203, 10 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ COBALT/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HISTONES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LOBSTERS/ MACROMOLECULAR SYSTEMS/ MAGNESIUM/ MANGANESE/ *MUSCLE PROTEINS/ *MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/ PROTAMINES/ PROTEIN KINASE, antagonists & inhibitors/ STRUCTURE-ACTIVITY RELATIONSHIP

952. **Donohue RE, Utley WL, Maling TM:** Excretory urography in asymptomatic boys with cryptorchidism.
J Urol 109:912-6, May 73
CHILD/ CRYPTORCHISM, complications/ *CRYPTORCHISM, radiography/ HUMAN/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, radiography/ MALE/ URETERAL DISEASES, complications/ URETERAL DISEASES, radiography/ URINARY TRACT, abnormalities/ UROGRAPHY/ VESICO-URETERAL REFLUX, complications/ VESICO-URETERAL REFLUX, radiography

953. **Doorenbos NJ, Solomons WE:** Synthesis and antimicrobial properties of 17 -isopentyloxy-4-aza-5 -androstane and the 4-methyl derivative.
J Pharm Sci 62:538-40, Apr 73
*ANDROSTANES/ ANDROSTANES, chem synthesis/ ANDROSTANES, pharmacodynamics/ ASPERGILLUS, drug effects/ AZA COMPOUNDS, chem synthesis/ AZA COMPOUNDS, pharmacodynamics/ BACILLUS CEREUS, drug effects/ CANDIDA ALBICANS, drug effects/ ESCHERICHIA COLI, drug effects/ ESTERS, chem synthesis/ HYDROLYSIS/ METHODS/ OZONE/ SACCHAROMYCES CEREVISIAE, drug effects/ STAPHYLOCOCCUS, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTOSTERONE

954. **Dorenbos J:** Morphogenesis of the spheno-occipital and the presphenoidal synchondrosis in the cranial base of the fetal Wistar rat.
Acta Morphol Neerl Scand 11:63-74, Mar 73
ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ CARTILAGE, cytology/ CARTILAGE, embryology/ CELL DIFFERENTIATION/ GESTATIONAL AGE/ MORPHOGENESIS/ OCCIPITAL BONE, cytology/ *OCCIPITAL BONE, embryology/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ SPHENOID BONE, cytology/ *SPHENOID BONE, embryology

955. **Dormer RA, France JT:** Cortisol and cortisone levels in umbilical cord plasma and maternal plasma of normal pregnancies. Steroids 21:497-510, Apr 73
CHICKENS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *CORTISONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PREGNANCY/ *PREGNANCY/ PROTEIN BINDING/ UMBILICAL CORD

956. **Dörner G:** Zur Bedeutung prä- oder perinataler Umweltsbedingungen für die postnatale Regelung neuroendokriner Systeme.
Endokrinologie 61:107-24, 1973 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE, metabolism/ *GONADS, embryology/ GONADS, growth & development/ HOMOSEXUALITY/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, embryology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, growth & development/ HYPOTHALAMUS, growth & development/ HYPOTHALAMUS, physiology/ LIPIDS, metabolism/ MALE/ PREGNANCY/ RATS/ SEX HORMONES

957. **Dörner G, Rohde W, Kreil L:** Auslösung eines positiven Östrogenfeedback-Effekt bei homosexuellen Männern.
Endokrinologie 60:297-301, 1972 (Ger)
ADULT/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ FEEDBACK/ *HOMOSEXUALITY/ HUMAN/ LH, blood/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ TIME FACTORS

958. **Dostál C, Niki J, Pokorný Z, et al:** Projekt skupinové diagnostiky vnitřních chorob. Třídění nemocných na úrovni lékaře prvního kontaktu.
Cas Lek Cesk 112:363-6, 23 Mar 73 (Cze)
AMBULATORY CARE/ CARDIOVASCULAR DISEASES, classification/ CYBERNETICS/ ENDOCRINE DISEASES, classification/ ENGLISH ABSTRACT/ GASTROINTESTINAL DISEASES, classification/ GENERAL PRACTICE/ HUMAN/ INFORMATION THEORY/ *INTERNAL MEDICINE/ METABOLIC DISEASES, classification/ MUSCULAR DISEASES, classification/ RESPIRATORY TRACT DISEASES, classification/ URINARY TRACT INFECTIONS classification

959. **Dostál M, Jelínek R:** Corticoid-induced cleft palate as model system for the distinction of maternal and foetal genomes interacting with exogenous teratoge
Folia Biol (Praha) 19:153-6, 1973
AMNION/ ANIMAL EXPERIMENTS/ *CLEFT PALATE, chemically induced/ *DISEASE MODELS, ANIMAL/ EMBRYO, drug effects/ FEMALE/ FETAL DEATH/ GENOTYPE/ HYBRID VIGOR/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MATERNAL-FETAL

EXCHANGE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ PREGNANCY

960. **Dotchev D, Liappis N, Hungerland H:** Geschlechtsspezifische Unterschiede der Serumproteine bei Erwachsenen und Einfluss der oralen hormonellen Kontrazeptiva auf das Serumeiweissbild.
Clin Chim Acta 44:431-5, 30 Mar 73 **(Ger)**
ADOLESCENCE/ ADULT/ *BLOOD PROTEINS, analysis/ CERULOPLASMIN, analysis/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ GLYCOPROTEINS, blood/ HAPTOGLOBINS, analysis/ HEMOPEXIN, analysis/ HUMAN/ IGA, analysis/ IGD, analysis/ IGG, analysis/ IGM, analysis/ LIPOPROTEINS, LDL, blood/ MACROGLOBULINS, analysis/ MALE/ MIDDLE AGE/ MUCOPROTEINS, blood/ SERUM ALBUMIN, analysis/ SERUM GLOBULINS, analysis/ SEX FACTORS/ TRANSFERRIN, analysis/ TRYPSIN INHIBITORS, blood

961. **Dottin RP, Shiner LS, Hoar DI:** Adenosine 3',5'-cyclic monophosphate regulation of chlorampbenicol acetyltransferase synthesis in vitro from P1CM DNA.
Virology 51:509-11, Feb 73
ACETYLATION/ *ACETYLTRANSFERASES, biosynthesis/ ACETYLTRANSFERASES, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL-FREE SYSTEM/ CHLORAMPHENICOL/ CHLORAMPHENICOL, metabolism/ CHLORAMPHENICOL, pbarmacodynamics/ COENZYME A, biosynthesis/ *COLIPHAGES/ *DNA, VIRAL/ *DNA VIRUSES/ ENZYME INDUCTION/ *ESCHERICHIA COLI, enzymology/ GALACTOSIDASE, biosynthesis/ OPERON/ SPECTROPHOTOMETRY/ TEMPLATES

962. **Douay B:** Action de l'isonicotinate de dexaméthasone administré par aérosol-doseur dans l'asthme et la bronchite chronique spasmodique.
Lille Med 17:Suppl 6:1302-6, Oct 72 **(Fre)**
ADULT/ AEROSOLS/ *ASTHMA, drug tberapy/ *BRONCHITIS, drug tberapy/ CHRONIC DISEASE/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, adverse effects/ DEXAMETHASONE, tberapeutic use/ FEMALE/ HUMAN/ *ISONICOTINIC ACID, administration & dosage/ ISONICOTINIC ACID, adverse effects/ ISONICOTINIC ACID, tberapeutic use/ MALE/ MIDDLE AGE

963. **Dougherty MJ, Craige E:** Apathetic hypertbyroidism presenting as tricuspid regurgitation.
Cbest 63:767-72, May 73
ASTHENIA, etiology/ DIGITALIS GLYCOSIDES, tberapeutic use/ DIURETICS, tberapeutic use/ EDEMA, etiology/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, diagnosis/ MIDDLE AGE/ MUSCULAR DISEASES, etiology/ THYROID GLAND FUNCTION TESTS/ *TRICUSPID VALVE INSUFFICIENCY, diagnosis/ TRICUSPID VALVE INSUFFICIENCY, drug therapy/ TRICUSPID VALVE INSUFFICIENCY, etiology

964. **Douglas JR Jr, Johnson EM Jr, Marshall GR, et al:** Stimulation of splenic prostaglandin release by angiotensin and specific inhibition by cysteine 8-AII.
Prostaglandins 3:67-74, Jan 73
ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHICKENS/ COLON, drug effects/ CYSTEINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ FEMALE/ INDOMETHACIN, pharmacodynamics/ PERFUSION/ PROSTAGLANDINS, secretion/ RABBITS/ RATS/ RECTUM, drug effects/ SPECIAL LIST REPRODUCTION/ SPLEEN, secretion/ STIMULATION, CHEMICAL/ STOMACH, drug effects

965. **Douglas JS, Nicholls PJ:** The partial fate of aminoglutethimide in man.
J Pharm Pharmacol 24:Suppl:150P, Dec 72
*AMINOGLUTETHIMIDE, metabolism/ AMINOGLUTETHIMIDE, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ COLORIMETRY/ HUMAN/ MALE/ MICE/ RATS

966. **Downing DT:** Differential inhibition of prostaglandin syntbetase and soybean lipoxygenase.
Prostaglandins 1:437-41, Jun 72
ARACHIDONIC ACID, metabolism/ BINDING SITES/ CARBON ISOTOPES/ CHROMATOGRAPHY/ FATTY ACIDS, UNSATURATED/ INDOMETHACIN, pharmacodynamics/ LINOLEIC ACID/ MALE/ MULTIENZYME COMPLEXES, antagonists & inhibitors/ OXYGENASES, antagonists & inhibitors/ PROSTAGLANDINS/ PROSTAGLANDINS, biosyntbesis/ SEMINAL VESICLES, enzymology/ SHEEP/ SOY BEANS/ SPECIAL LIST REPRODUCTION

967. **Doyle AE, Jerums G, Johnston CI, et al:** Plasma renin levels and vascular complications in bypertension.
Br Med J 2:206-7, 28 Apr 73
AGED/ BLOOD PRESSURE/ *CEREBROVASCULAR DISORDERS, etiology/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, complications/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, etiology/ PROBABILITY/ *RENIN, blood/ SODIUM, pharmacodynamics

968. **Dozois RR, Dahlin DC, Bartholomew LG:** Ovarian tumors associated with the Peutz-Jegbers syndrome.
Prog Clin Cancer 5:187-93, 1973
*CYSTADENOMA, complications/ *DISGERMINOMA, complications/ FEMALE/ *OVARIAN NEOPLASMS, complications/ *PEUTZ-JEGHERS SYNDROME, complications

969. **Drablos PA:** Synovectomy of tbe knee in rbeumatoid arthritis and allied conditions.
Scand J Rheumatol 1:49-52, 1972
ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, surgery/ ARTHRODESIS/ ARTHROPLASTY/ BLOOD SEDIMENTATION/ CORTISONE, therapeutic use/ EXERCISE THERAPY/ HUMAN/ KNEE, surgery/ *KNEE JOINT/ MOVEMENT/ PAIN/ POSTOPERATIVE COMPLICATIONS/ RECURRENCE/ *SYNOVIAL MEMBRANE, surgery/ SYNOVITIS, surgery

970. **Draznin B, Marakhovskii Y:** Pathogenesis of obesity.
Br Med J 1:550-1, 3 Mar 73
ADRENAL GLAND HYPERFUNCTION, etiology/ HUMAN/ HYPERINSULINISM, complications/ HYPERPLASIA/ HYPOGLYCEMIA, etiology/ *OBESITY, etiology

971. **Dress D:** L'AMP cyclique.
Infirm Fr 143:31-4, Mar 73 **(Fre)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ SPECIAL LIST NURSING

972. **Drewett RF:** Sexual behaviour and sexual motivation in the female rat. Nature 242:476-7, 13 Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ COITUS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ ESTRUS, drug effects/ FEMALE/ MALE/ *MOTIVATION/ PROGESTERONE, pharmacodynamics/ RATS/ REVERSAL LEARNING/ REWARD/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS

973. **Dreyfuss J, Shaw JM, Ross JJ Jr, et al:** Distribution of dibenzoxazepines bearing tbe carboxamide or otber side chains in ocular and other tissues of dogs.
J Pharm Sci 62:606-9, Apr 73
ADIPOSE TISSUE, metabolism/ *AMIDES, metabolism/ ANIMAL EXPERIMENTS/ BODY FLUIDS, analysis/ BRAIN, metabolism/ CARBON ISOTOPES/ CATTLE/ *DIBENZOXAZEPINES, metabolism/ *EYE, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MACACA/

MALE/ MELANIN, metabolism/ MONKEYS/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PROTEIN BINDING/ RATS/ SKIN, metabolism/ TESTIS, metabolism

974. **Drobnjak P, Longhino N, Tajić M:** Normalna trudnoća i porodaj u ženskog pseudobermafrodita.
Lijec Vjesn 94:236-41, May 72 **(Cro)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ GENITALIA, FEMALE, surgery/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ *LABOR/ *PREGNANCY/ *PSEUDOHERMAPHRODITISM/ PSEUDOHERMAPHRODITISM, drug therapy/ PSEUDOHERMAPHRODITISM, surgery

975. **Drost M, Kumagai LF, Guzman M:** Sequential foetal-maternal plasma cortisol levels in sheep.
J Endocrinol 56:483-92, Mar 73
ADRENAL GLANDS, secretion/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, metabolism/ FLUOROMETRY/ GESTATIONAL AGE/ *HYDROCORTISONE, blood/ LABOR/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RADIOLIGAND ASSAY/ *SHEEP, metabolism/ TIME FACTORS

976. **Drozdovych II, Gordienko VM:** Neirosekretorna aktyvnist' hipotalmusa sobak pislia adrenaliktomii.
Fiziol Zh 18:621-6, Sep-Oct 72 **(Ukr)**
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *NEUROSECRETION/ *PITUITARY GLAND, POSTERIOR, secretion

977. **Dubost C:** Risques de la localisation des adénomes parathyroidiens par l'artériographie et ses risques.
Nouv Presse Med 2:722, 17 Mar 73 **(Fre)**
ADENOMA, complications/ *ADENOMA, radiography/ *ANGIOGRAPHY, adverse effects/ FEMALE/ HEMATOMA, etiology/ HEMIPLEGIA, etiology/ HUMAN/ HYPERPARATHYROIDISM, etiology/ NEUROLOGIC MANIFESTATIONS/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, radiography/ THYROID GLAND, blood supply

978. **Dubovsky D, Epstein S, Jacobs P:** Skeletal support in multiple myeloma. N Engl J Med 288:854, 19 Apr 73
CALCIUM, administration & dosage/ CALCIUM, therapeutic use/ FLUORIDES, administration & dosage/ FLUORIDES, therapeutic use/ HUMAN/ MULTIPLE MYELOMA, complications/ *MULTIPLE MYELOMA, drug therapy/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, etiology/ SODIUM, administration & dosage/ SODIUM, therapeutic use/ VITAMIN D, administration & dosage/ VITAMIN D, therapeutic use

979. **Dubovsky J, Kochakian CD:** Early effect of testosterone in the incorporation of uridine into RNA of mouse kidney and seminal vesicles.
Endocrinology 92:917-20, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CYTIDINE, metabolism/ *KIDNEY, metabolism/ MALE/ MICE/ OROTIC ACID, metabolism/ *RNA, biosynthesis/ *SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ *URIDINE, metabolism

980. **Dubuisson L, Duluc AJ, Bousquet J, et al:** Rôle des hormones ovariennes dans le processus de ciliation de l'oviducte de ratte.
C R Soc Biol (Paris) 166:574-7, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIFFERENTIATION/ *CILIA/ *ESTRADIOL, pharmacodynamics/ FALLOPIAN TUBES, cytology/ *FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, transplantation/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ MALE/ MICROSCOPY, ELECTRON/ RATS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

981. **Duckman S, Suarez J, Tantakesem P:** Tuboovarian abscess and the intrauterine device (Majzlin Spring).
Am J Obstet Gynecol 115:1157-8, 15 Apr 73
*ABSCESS, etiology/ ABSCESS, pathology/ ADULT/ *FALLOPIAN TUBES/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ *OVARIAN DISEASES, etiology/ OVARIAN DISEASES, pathology

982. **Dufau ML, Catt KJ:** Extraction of soluble gonadotrophin receptors from rat testis.
Nature [New Biol] 242:246-8, 25 Apr 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CELL FRACTIONATION/ *GONADOTROPINS, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ IODINE ISOTOPES/ KINETICS/ LH, metabolism/ MALE/ RATS/ *RECEPTORS, HORMONE/ TEMPERATURE/ *TESTIS, analysis/ TESTIS, cytology/ TESTIS, metabolism

983. **Dufy B, Vincent JD, Bensch C, et al:** Effects of vaginal stimulation and luteinizing hormone on hypothalamic single units in the freely moving rabbit.
Neuroendocrinology 11:119-29, 1973
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ AROUSAL/ COITUS/ ELECTROENCEPHALOGRAPHY/ FEEDBACK/ FEMALE/ *FSH, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *LH, pharmacodynamics/ OVULATION/ RABBITS/ *VAGINA, physiology

984. **Dufy-Barbe L, Franchimont P, Faure JM:** Time-course of LH and FSH release after mating in the female rabbit. Endocrinology 92:1318-21, May 73
ANIMAL EXPERIMENTS/ *COITUS/ FEMALE/ *FSH, blood/ *LH, blood/ OVULATION/ RABBITS/ RADIOIMMUNOASSAY/ TIME FACTORS

985. **Dufy-Barbe L, Hendrick JC, Franchimont P, et al:** Dosage radioimmunologique par immunoadsorbant des gonadotrophines FSH et LH de lapin; application physiologiques.
Ann Endocrinol (Paris) 33:481-91, Sep-Oct 72 **(Fre)**
ADSORPTION/ ANIMAL EXPERIMENTS/ CASTRATION/ CELLULOSE/ COITUS/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ FSH, analysis/ *FSH, blood/ FSH, secretion/ IMMUNE SERUMS/ LH, analysis/ *LH, blood/ LH, secretion/ MALE/ METHODS/ OVARY/ OVULATION/ RABBITS/ *RADIOIMMUNOASSAY/ TIME FACTORS

986. **Duhault J, Le Douarec JC, Mayeroff C, et al:** Etude de propriétés anti-allergiques et corticosécrétories d chlorhydrate de pbénéthyl-8-oxa-1-diaza-3,8-spiro(4,5)décanone-2 (fenspiride, JP 428.
Arzneim Forsch 22:1947-52, Nov 72 **(Fre)**
*ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS pharmacodynamics/ *ANTIHISTAMINICS, therapeutic use/ ASTHMA, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, biosynthesis/ GLUCOCORTICOIDS, blood/ GUINEA PIGS/ HISTAMINE/ HYDROCORTISONE, metabolism/ MALE/ MICE/ OXAZOLES, pharmacodynamics/ *OXAZOLES, therapeutic use/ PIPERIDINES, pharmacodynamics/ *PIPERIDINES, therapeutic use/ RATS/ SERUM ALBUMIN, BOVINE/ SPIRO COMPOUNDS, pharmacodynamics/ SPIRO COMPOUNDS, therapeutic use

987. **Duhring JL, McKean HE, Greene JW Jr:** Diurnal variation of estriol excretion in human pregnancy.
Am J Obstet Gynecol 115:875-80, 1 Apr 73
*CIRCADIAN RHYTHM/ *ESTRIOL, secretion/ ESTRIOL, urine/ FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ PREGNANCY/ REST

988. **Dulberg M, Maltz S:** [The feminizing ovarian tumor].
Harefuah 83:573-7, 15 Dec 72 **(Heb)**
ADULT/ CASTRATION/ ENDOMETRIAL

HYPERPLASIA, pathology/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, pathology/ GRANULOSA CELL TUMOR, surgery/ HUMAN/ HYSTERECTOMY/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ THECA CELL TUMOR, pathology/ THECA CELL TUMOR, surgery

989. **Dumont F, Duhellie J, Herbeuval R:** Hypersensibilité retardée dans les affections thyroïdiennes étudiée par le test de migration des leucocytes en présence de thyroglobuline humaine.
C R Soc Biol (Paris) 166:1139-42, 1972 (Fre)
ADULT/ AGED/ AUTOANTIBODIES, analysis/ CELL MIGRATION INHIBITION/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEMAGGLUTINATION TESTS/ HUMAN/ *HYPERSENSITIVITY, DELAYED/ IMMUNITY, CELLULAR/ IMMUNOLOGIC TECHNICS/ *LEUKOCYTES/ MALE/ MIDDLE AGE/ *THYROGLOBULIN/ *THYROID DISEASES, immunology

990. **Dunlap JL, Gerall AA:** Compensatory ovarian hypertrophy can be obtained in neonatal rats.
J Reprod Fertil 32:517-9, Mar 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *CASTRATION/ FEMALE/ HYPERTROPHY/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, growth & development/ OVARY, physiology/ RATS

991. **Dunn EL, Nishiyama RH, Thompson NW:** Medullary carcinoma of the thyroid gland.
Surgery 73:848-58, Jun 73
ADULT/ AUTOPSY/ CARCINOID TUMOR, pathology/ *CARCINOMA, diagnosis/ CARCINOMA, mortality/ CARCINOMA, pathology/ CARCINOMA, surgery/ CHILD/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEUROMA, pathology/ PHEOCHROMOCYTOMA, diagnosis/ PROGNOSIS/ RADICAL NECK DISSECTION/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

992. **Dunn J, Critchlow V:** Pituitary--adrenal function following ablation of medial basal hypothalamus.
Proc Soc Exp Biol Med 142:749-54, Mar 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORTICOSTERONE, blood/ ESTRUS/ FEMALE/ HYPOTHALAMUS, blood supply/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, surgery/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, physiology/ *PITUITARY-ADRENAL SYSTEM/ RATS/ STRESS, PSYCHOLOGICAL/ SURGICAL INSTRUMENTS/ UTERUS, anatomy & histology

993. **Duron B, Quichaud J, Fullana N:** Nouvelles recherches sur le mécanisme des apnées du syndrome de Pickwick.
Bull Physiopathol Respir (Nancy) 8:1277-88, Sep-Oct 72 (Fre)
ANOXIA, etiology/ *APNEA, etiology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ HUMAN/ HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE/ MOTOR ACTIVITY/ NASOPHARYNGEAL DISEASES, complications/ OBESITY, complications/ *PICKWICKIAN SYNDROME, complications/ RESPIRATORY FUNCTION TESTS/ SLEEP DISORDERS, etiology/ SPIROMETRY

994. **Dürrschmidt V:** Zur Frage der Ätiologie der idiopathischen Femurkopfnekrose.
Beitr Orthop Traumatol 20:86-91, Feb 73 (Ger)
ADULT/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPOTHYROIDISM, etiology/ POSTOPERATIVE COMPLICATIONS/ THYROIDECTOMY, adverse effects

995. **Dustan HP, Bravo EL, Taraxi RC:** Volume-dependent essential and steroid hypertension.
Am J Cardiol 31:606-15, May 73
ADULT/ AGED/ ALDOSTERONE, urine/ COMPARATIVE STUDY/ DIET, SALT-FREE/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, therapy/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ HYPERTENSION, therapy/ MALE/ MIDDLE AGE/ NATRIURESIS/ *PLASMA VOLUME/ RENIN, blood/ SODIUM/ SPIRONOLACTONE, therapeutic use/ WATER-ELECTROLYTE BALANCE

996. **Dutrillaux B, Lejeune J:** Clinical aspects of chromosome aberrations. Triangle 11:81-9, 1972
ADULT/ AUTOSOME ABNORMALITIES/ CHILD/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES, HUMAN, 13-15/ *CHROMOSOMES, HUMAN, 16-18/ *CHROMOSOMES, HUMAN, 21-22/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ INFANT/ KARYOTYPING/ MALE/ SEX CHROMOSOME ABNORMALITIES/ TRISOMY

997. **Dvorackova I:** Fettembolie nach der Rehabilitation.
Beitr Gerichtl Med 30:87-92, 1973 (Ger)
CHILD/ *EMBOLISM, FAT, etiology/ ENGLISH ABSTRACT/ FEMALE/ HIP DISLOCATION, CONGENITAL, rehabilitation/ HUMAN/ MALE/ OSTEOPOROSIS, complications/ *PHYSICAL THERAPY, adverse effects

998. **Dvořák M:** Aktivita kůry nadledvin při odstavu selat ve srovnání se stimulací exogenním ACT.
Vet Med (Praha) 17:671-8, 1972 (Cze)
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ ASCORBIC ACID, metabolism/ BODY WEIGHT/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ ORGAN WEIGHT/ STIMULATION, CHEMICAL/ *SWINE, growth & development/ WEANING

999. **Dwoskin JY, Kuhn JP:** Herniagrams in undescended testes and hydroceles. J Urol 109:520-3, Mar 73
CHILD, PRESCHOOL/ CONTRAST MEDIA/ CRYPTORCHISM, complications/ *CRYPTORCHISM, radiography/ HUMAN/ HYDROCELE, complications/ *HYDROCELE, radiography/ MALE/ PERITONEUM, radiography

1000. **Dwyer JT, Mayer J:** Overfeeding and obesity in infants and children. Bibl Nutr Dieta 18:123-52, 1973 (88 ref.)
ADIPOSE TISSUE, metabolism/ CHILD/ *CHILD NUTRITION/ DIET/ DIET, REDUCING/ ENDOCRINE GLANDS, physiology/ EXERTION/ GENOTYPE/ GROWTH/ HUMAN/ INFANT/ INFANT FOOD/ *INFANT NUTRITION/ INFANT NUTRITION DISORDERS/ *OBESITY/ OBESITY, etiology/ OBESITY, familial & genetic/ OBESITY, prevention & control/ REVIEW/ SOMATOTYPES

1001. **Dyková H, Jirásek J, Zwinger A, et al:** Funkce žlutého tělíska v raném těhotenství.
Cesk Gynekol 38:132-4, Apr 73 (Cze)
*CORPUS LUTEUM, physiology/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ LH, urine/ *PREGNANCY

1002. **Dym M:** The fine structure of the monkey (Macaca) Sertoli cell and its role in maintaining the blood-testis barrier. Anat Rec 175:639-56, Apr 73
ANIMAL EXPERIMENTS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ GOLGI APPARATUS/ HISTOLOGY, COMPARATIVE/ HUMAN/ *MACACA, anatomy & histology/ MALE/ MICROSCOPY,

ELECTRON/ MITOCHONDRIA/ PEROXIDASES/ RABBITS/ RIBOSOMES/ *SERTOLI CELLS, cytology/ SERTOLI CELLS, physiology/ SPERMATOGENESIS/ SPERMATOZOA/ *TESTIS, blood supply

E

1003. **Eapen J, Pushpendran CK:** Effect of temperature acclimation, tail amputation and x-irradiation on thyroid gland of the lizard, Hemidactylus leschenaulti. Indian J Exp Biol 10:253-6, Jul 72
ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, radiation effects/ *LIZARDS/ *RADIATION EFFECTS/ *TAIL, injuries/ *TEMPERATURE/ *THYROID GLAND, cytology/ THYROID GLAND, physiology/ THYROID GLAND, radiation effects

1004. **Earle JD, Bagshaw MA, Kaplan HS:** Supervoltage radiation therapy of the testicular tumors. Am J Roentgenol Radium Ther Nucl Med 117:653-61, Mar 73
ADOLESCENCE/ ADULT/ AGED/ CARCINOMA, classification/ CARCINOMA, mortality/ *CARCINOMA, radiotherapy/ CHILD/ DISGERMINOMA, classification/ DISGERMINOMA, mortality/ *DISGERMINOMA, radiotherapy/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *RADIOTHERAPY, HIGH ENERGY/ TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, radiotherapy/ TIME FACTORS

1005. **Easterbrook M, Wilkie J, Coleman V, et al:** The effect of topical corticosteroids on the susceptibility of immune animals to reinoculation with Herpes simplex. Invest Ophthalmol 12:181-4, Mar 73
ANIMAL EXPERIMENTS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ DISEASE MODELS, ANIMAL/ HERPESVIRUS HOMINIS, isolation & purification/ IDOXURIDINE, administration & dosage/ *IDOXURIDINE, therapeutic use/ KERATITIS, DENDRITIC, drug therapy/ *KERATITIS, DENDRITIC, prevention & control/ MALE/ METHODS/ OINTMENTS/ PLACEBOS/ RABBITS/ RECURRENCE

1006. **Easterling WE Jr:** Managing the menopause. Am Fam Physician 7:137-42, Mar 73
AGING/ ARTERIOSCLEROSIS, etiology/ DIETHYLSTILBESTROL, therapeutic use/ ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ ESTROGENS, physiology/ ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ LIPIDS, blood/ *MENOPAUSE/ MENOPAUSE, drug effects/ MIDDLE AGE/ OSTEOPOROSIS, etiology

1007. **Ebashi S:** Calcium ions and muscle contraction. Nature 240:217-8, 24 Nov 72 (22 ref.)
ACTIN, metabolism/ ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATE, metabolism/ CALCIUM, metabolism/ *CALCIUM, physiology/ CELL MEMBRANE PERMEABILITY/ *MUSCLE CONTRACTION/ MUSCLE PROTEINS, metabolism/ MUSCLES, metabolism/ MUSCLES, physiology/ PROTEIN BINDING/ RECEPTORS, DRUG/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ TROPOMYOSIN, metabolism

1008. **Ebling FJ, Ebling E, McCaffery V, et al:** The responses of the sebaceous glands of the hypophysectomized-castrated male rat to 5 -androstanedione and 5 -androstane-3 ,17 -diol. J Invest Dermatol 60:183-7, Apr 73
*ANDROGENS, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANDROSTENEDIONE, administration & dosage/ ANDROSTENEDIONE, administration & dosage/ ANDROSTENEDIONE, metabolism/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ HYDROXYSTEROIDS, pharmacodynamics/ HYPOPHYSECTOMY/ *17-KETOSTEROIDS, pharmacodynamics/ LIPIDS, biosynthesis/ MALE/ *PITUITARY GLAND, physiology/ RATS/ *SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS metabolism/ *SEBUM, secretion/ *TESTIS, physiology/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

1009. **Eckstein B, Golan R, Shani J:** Onset of puberty in th immature female rat induced by 5 -androstane-3 ,1 -diol. Endocrinology 92:941-5, Mar 73
*ANDROSTANES, administration & dosage/ ANDROSTANES, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES/ ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, pharmacodynamics/ INJECTIONS/ INJECTIONS, SUBCUTANEOUS/ OVULATION, drug effects/ *PUBERTY, drug effects/ RATS/ TESTOSTERONE, pharmacodynamics/ VAGINA, drug effects

1010. **Edgerton LA, Hafs HD:** Serum luteinizing hormone prolactin, glucocorticoid, and progestin in dairy cow from calving to gestation. J Dairy Sci 56:451-8, Apr 7
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE physiology/ ESTRUS/ FEMALE/ FERTILITY/ *GLUCOCORTICOIDS, blood/ *LH, blood/ PREGNANCY/ *PROGESTERONE, blood/ *PROLACTIN, blood/ PUERPERIUM/ RADIOIMMUNOASSAY/ *REPRODUCTION/ TIME FACTORS

1011. **Edström K:** Antikonceptionell rådgivning i samban med legal abort. Lakartidningen 70:1404-6, 4 Apr 73 (Sw
*ABORTION, LEGAL/ *CONTRACEPTIVES, ORAL/ COUNSELING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ PREGNANCY/ STERILIZATION, SEXUAL

1012. **Edwards A, Gupta JD, Harley JD:** Photomicrograph evaluation of drug-induced cataracts in culture embryonic chick lens. Exp Eye Res 15:495-8, Apr
ANIMAL EXPERIMENTS/ *CATARACT, chemically induced/ CHICK EMBRYO/ CHLOROQUINE/ CULTURE MEDIA/ HYDROQUINONES/ LENS, CRYSTALLINE/ NAPHTHOLS/ NAPHTHOQUINONES/ OUABAIN/ PHENACETIN/ PHENOBARBITAL PHENYLBUTAZONE/ PHENYLHYDRAZINE/ PHOTOMICROGRAPHY/ PREDNISOLONE/ PRIMAQUINE/ PYROGALLOL/ SULFANILAMIDE/ TISSUE CULTURE/ VITAMIN K

1013. **Edwards PA:** Effect of adrenalectomy and hypophysectomy on the circadian rhythm of -hydrox -methylglutaryl coenzyme A reductase activity in r liver. J Biol Chem 248:2912-7, 25 Apr 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALCOHOL OXIDOREDUCTASES/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL, biosynthesis/ *CIRCADIAN RHYTHM/ CYCLOHEXIMIDE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEEDING BEHAVIOR/ GLUTARATES/ HORMONES, pharmacodynamics/ HYPOPHYSECTOMY/ INJECTIONS/ KINETICS/ LIGHTING/ *LIVE enzymology/ MALE/ MEVALONIC ACID/ MICROSOMES, LIVER, enzymology/ *PITUITARY GLAND, physiology/ RATS/ TIME FACTORS

1014. **Eechaute W, Demeester G, Leusen I:** Fluorimet estimation of testosterone and epi-testosterone urine and plasma. Steroids 21:409-22, Mar 7
CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/

FEMALE/ FLUORESCENCE SPECTROMETRY/ *FLUOROMETRY/ GLUCOCORTICOIDS, blood/ GLUCOCORTICOIDS, urine/ HUMAN/ HYDROLYSIS/ MALE/ MATHEMATICS/ METHODS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, urine/ TIME FACTORS/ TRITIUM

1015. **Efimov AS, Povoiotskaia GM, Bezverkhaia TP, et al:** Narushenie sutochnogo ritma ékskretsii nekotorykh gormonov i élektrolitov u boi'nykh sakharnym diabetom.
Probl Endokrinol (Mosk) 19:6-10, Jan-Feb 73 (Rus)
ADOLESCENCE/ ADULT/ CATECHOLAMINES, urine/ *CIRCADIAN RHYTHM/ *DIABETES MELLITUS, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ NATRIURESIS/ POTASSIUM, urine

1016. **Efremov MA:** Dentikly pri tireo toksikoze (kliniko-éksperimental'noe issledovamie.
Stomatologiia (Mosk) 52:13-6, Jan-Feb 73 (Rus)
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ *DENTAL PULP CALCIFICATION/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HUMAN/ *HYPERTHYROIDISM/ MALE/ MIDDLE AGE

1017. **Efroimson VP:** Osnovnye napravieniia i perspektivy izucheniia oligofrenii.
Zh Nevropatol Psikhiatr 72:1413-8, 1972 (Rus)
ABNORMALITIES, MULTIPLE, diagnosis/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES/ CYTOGENETICS/ HUMAN/ KARYOTYPING/ MASS SCREENING/ *MENTAL RETARDATION/ MENTAL RETARDATION, etiology/ METABOLISM, INBORN ERRORS, complications/ MONGOLISM, complications/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ TRISOMY

1018. **Eguchi Y:** [Adrenal cortex stimulating hormone (ACTH)]
Clin Endocrinol (Tokyo) 21:121-7, Feb 73 (100 ref.) (Jap)
*ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, secretion/ FEEDBACK/ FEMALE/ FETUS, physiology/ MATERNAL-FETAL EXCHANGE/ MICE/ PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, physiology/ PLACENTA, physiology/ PREGNANCY/ RABBITS/ RATS/ REVIEW

1019. **Ehrenbrand F:** Paraganglionäre Zellen in der Umgebung der Meerschweinchenschilddrüse.
Anat Anz 132:420-2, 1972 (Ger)
ANIMAL EXPERIMENTS/ GUINEA PIGS/ *PARAGANGLIA, NONCHROMAFFIN, anatomy & histology/ *THYROID GLAND, cytology/ VAGUS NERVE, anatomy & histology

1020. **Ehrlich HP, Tarver H, Hunt TK:** Effects of vitamin A and glucocorticoids upon inflammation and collagen synthesis. Ann Surg 177:222-7, Feb 73
ANIMAL EXPERIMENTS/ *COLLAGEN, biosynthesis/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DRUG COMBINATIONS/ ERYTHROCYTES, drug effects/ FIBROBLASTS, drug effects/ GRANULATION TISSUE, drug effects/ GRANULOMA, metabolism/ GRANULOMA, pathology/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNICS/ INFLAMMATION, metabolism/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ MALE/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ VITAMIN A, administration & dosage/ *VITAMIN A, pharmacodynamics/ *WOUND HEALING, drug effects

1021. **Ehrlich RM, McKendry JB:** Screening for congenital hypothyroidism in the newborn.
Lancet 1:1121, 19 May 73
EPIPHYSES/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE

1022. **Eichberg J, Shein HM, Schwartz M, et al:** Stimulation of 32 P i incorporation into phosphatidylinositol and phosphatidylglycerol by catecholamines and -adrenergic receptor blocking agents in rat pineal organ cultures. J Biol Chem 248:3615-22, 25 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BUTYRATES, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CEPHALINS, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ KINETICS/ LECITHINS, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ PHENETHYLAMINES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *PHOSPHATES, metabolism/ *PHOSPHOINOSITIDES, biosynthesis/ *PHOSPHOLIPIDS, biosynthesis/ PHOSPHOLIPIDS, isolation & purification/ PHOSPHORUS ISOTOPES/ PINEAL BODY, drug effects/ *PINEAL BODY, metabolism/ RATS/ RECEPTORS, ADRENERGIC/ STRUCTURE-ACTIVITY RELATIONSHIP

1023. **Eichelman B, Thoa NB, Bugbee NM, et al:** Brain amine and adrenal enzyme levels in aggressive, bulbectomized rats. Physiol Behav 9:483-5, Sep 72
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, enzymology/ *AGGRESSION/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ BRAIN STEM, analysis/ CEREBRAL CORTEX, analysis/ DOPAMINE, analysis/ *LIMBIC SYSTEM, physiology/ MALE/ NOREPINEPHRINE, analysis/ OLFACTORY BULB, physiology/ ORGAN WEIGHT/ RATS/ SEROTONIN, analysis/ TYROSINE HYDROXYLASE, metabolism

1024. **Elis J:** Kombination Corticoid-Anabolicum-Antibioticum-Desinfizienz in der externen Dermato-Therapie.
Z Haut Geschlechtskr 48:193-6, 1 Mar 73 (Ger)
*ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ CHILD/ DERMATITIS MEDICAMENTOSA, drug therapy/ DRUG COMBINATIONS/ ECZEMA, drug therapy/ EMULSIONS/ FEMALE/ HUMAN/ MALE/ OINTMENTS/ PSORIASIS, drug therapy/ SEBORRHEA, drug therapy/ *SKIN DISEASES, drug therapy/ TESTOSTERONE, therapeutic use

1025. **Elmer H:** Die Früherkennung von Missbildungen bei Neugeborenen.
Z Geburtshilfe Perinatol 176:439-43, Dec 72 (Ger)
*ABNORMALITIES, diagnosis/ ABNORMALITIES, surgery/ CLEFT LIP, surgery/ CLEFT PALATE, surgery/ CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ HIP DISLOCATION, CONGENITAL, surgery/ HIP DISLOCATION, CONGENITAL, therapy/ HUMAN/ HYDROCEPHALUS, surgery/ HYPOSPADIAS, surgery/ INFANT, NEWBORN/ MENINGOCELE, surgery/ PHIMOSIS, surgery/ PROGNOSIS/ REFERRAL AND CONSULTATION/ SPINA BIFIDA, surgery/ SYNDACTYLIA, surgery/ TIME FACTORS/ UMBILICAL HERNIA, surgery

1026. **Einarsson K, Gustafsson JA, Gustafsson BE:** Differences between germ-free and conventional rats in liver microsomal metabolism of steroids.
J Biol Chem 248:3623-30, 25 May 73
*ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTENES, metabolism/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CYTOCHROME P-450, metabolism/ *GERM-FREE LIFE/

*17-HYDROXYCORTICOSTEROIDS, metabolism/ HYDROXYLATION/ HYDROXYSTEROIDS, metabolism/ *17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ LITHOCHOLIC ACID, metabolism/ MALE/ *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ *PREGNANES, metabolism/ PROGESTERONE, metabolism/ RATS/ TIME FACTORS/ TRITIUM

1027. Einhorn LH: Cancer chemotherapy.
J Indiana State Med Assoc 66:235-43, Apr 73
ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ FEMALE/ HUMAN/ MALE/ *NEOPLASMS, drug therapy/ SEX HORMONES, therapeutic use

1028. Eisele R: Hypophysenstielrisse.
Beitr Gerichtl Med 30:93-6, 1973 (Ger)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ HEAD INJURIES, complications/ HUMAN/ MALE/ *PITUITARY GLAND, injuries/ RUPTURE/ SKULL FRACTURES, complications

1029. Eisner JW: Drugs used in allergic states and their mode of action. Semin Drug Treat 2:367-77, Spring 73 (8 ref.)
ANTIHISTAMINICS, adverse effects/ ANTIHISTAMINICS, metabolism/ ANTIHISTAMINICS, pharmacodynamics/ ANTIHISTAMINICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ASTHMA, drug therapy/ AZATHIOPRINE, therapeutic use/ CATECHOLAMINES, pharmacodynamics/ DISODIUM CROMOGLYCATE, therapeutic use/ DRUG THERAPY, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HISTAMINE LIBERATION, drug effects/ HUMAN/ *HYPERSENSITIVITY, drug therapy/ PARASYMPATHOLYTICS, pharmacodynamics/ PARASYMPATHOLYTICS, therapeutic use/ REVIEW/ SEROTONIN, antagonists & inhibitors/ XANTHINES, therapeutic use

1030. Ekpechi OL, Van Middlesworth L: Iodinated compounds in the thyroids of the offspring of rats maintained on low-iodine diet.
Endocrinology 92:1376-81, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *DIET/ DIIODOTYROSINE, metabolism/ FEMALE/ *IODINE/ IODINE ISOTOPES/ IODOTYROSINE, metabolism/ ORGAN WEIGHT/ RATS/ THYROID GLAND/ *THYROID GLAND, metabolism/ THYROXINE, metabolism/ TIME FACTORS/ *TRIIODOTHYRONINE, metabolism

1031. Eice JS, Bird CE, Chandra J: Water-soluble products of the estrogens. Bile metabolites of 2-hydroxyestradiol-17beta in man.
J Clin Endocrinol Metab 36:1027-30, May 73
ACETYLCYSTEINE, metabolism/ ANIMAL EXPERIMENTS/ *BILE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, metabolism/ ESTRADIOL, urine/ *ESTRANES, metabolism/ ESTRANES, urine/ FEMALE/ GEL FILTRATION/ GLUCURONATES, metabolism/ GLUCURONATES, urine/ GLUTATHIONE, metabolism/ HUMAN/ MALE/ RATS/ TRITIUM

1032. Eleftheriou BE, Bailey DW: A gene controlling plasma serotonin levels in mice. J Endocrinol 55:225-6, Oct 72
ALLELES/ ANIMAL EXPERIMENTS/ *GENES/ GENES, DOMINANT/ HISTOCOMPATIBILITY/ LINKAGE (GENETICS)/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ RECOMBINATION, GENETIC/ *SEROTONIN, blood

1033. Elias E, Dowling RH: Factors promoting intestinal hyperplasia in lactating rats. Clin Sci 44:19P, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ GLUCOSE, metabolism/ HYPERPLASIA/ ILEUM, metabolism/ *INTESTINAL ABSORPTION/ *INTESTINAL DISEASES/ INTESTINES, surgery/ JEJUNUM, metabolism/ *LACTATION/ PREGNANCY/ RATS

1034. Elkins WL: The cellular basis of transplantation tolerance. Transplant Proc 5:685-9, Mar 73
ANIMALS, NEWBORN/ BONE MARROW CELLS, transplantation/ DEOXYURIDINE, metabolism/ GRAFT VS HOST REACTION/ HISTOCOMPATIBILITY ANTIGENS/ *IMMUNE TOLERANCE/ *IMMUNITY, CELLULAR/ IODINE ISOTOPES/ KARYOTYPING/ KIDNEY, immunology/ LYMPH NODES, cytology/ LYMPHOCYTES, transplantation/ ORGAN WEIGHT/ PASSIVE TRANSFER/ RATS, INBRED BN/ RATS, INBRED LEW/ SEX CHROMOSOMES/ SKIN, transplantation/ SPLEEN, cytology/ THYMECTOMY/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

1035. Ellaway PH, Pascoe JE, Trott JR: On the descending 5-hydroxytryptaminergic pathway controlling the stretch reflex. J Physiol (Lond) 230:17P-18P, Apr 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ CATS/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MOTOR NEURONS, drug effects/ *MOTOR NEURONS, physiology/ NEURAL CONDUCTION/ *NEUROMUSCULAR SPINDLES, physiology/ *REFLEX/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology/ TIME FACTORS

1036. Elliott GA, Gibbons AJ, Greig ME: A comparison of the effects of melengestrol acetate with a combination of hydrocortisone acetate and medroxyprogesterone acetate and with other steroids in the treatment of experimental allergic encephalomyelitis in Wistar rats.
Acta Neuropathol (Berl) 23:95-104, 30 Jan 73
ANIMAL EXPERIMENTS/ BRAIN, pathology/ DRUG COMBINATIONS/ DRUG SYNERGISM/ *ENCEPHALOMYELITIS, ALLERGIC, drug therapy/ ENCEPHALOMYELITIS, ALLERGIC, pathology/ ESTRADIOL, therapeutic use/ ESTRIOL, therapeutic use/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ *HYDROCORTISONE, therapeutic use/ *MEDROXYPROGESTERONE, therapeutic use/ MELENGESTROL, therapeutic use/ MESTRANOL, therapeutic use/ NANDROLONE therapeutic use/ *PREGNADIENES, therapeutic use/ RATS/ SPINAL CORD, pathology/ TESTOSTERONE, therapeutic use

1037. Ellis HA, Peart KM: Azotaemic renal osteodystrophy: a quantitative study on iliac bone.
J Clin Pathol 26:83-101, Feb 73
ADULT/ AGED/ AUTOPSY/ CALCINOSIS, pathology/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, pathology/ *ILIUM, pathology/ KIDNEY FAILURE, CHRONIC, pathology/ MALE/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, complications/ OSTEITIS FIBROSA CYSTICA, pathology/ OSTEOMALACIA, complications/ OSTEOMALACIA, pathology/ OSTEOSCLEROSIS, complications/ OSTEOSCLEROSIS, pathology/ PARATHYROID GLANDS, pathology/ RENAL OSTEODYSTROPHY, complications/ *RENAL OSTEODYSTROPHY, pathology/ UREMIA, pathology

1038. Elisasser JC, Moyer CF, Lesker PA, et al: Effect of low doses of disodium ethane-1-hydroxy-1, 1-diphosphonate on disuse osteoporosis in the denervated cat tail. Clin Orthop 91:235-42, Mar-Apr 73
ANIMAL EXPERIMENTS/ *BONE REGENERATION/ BONE RESORPTION, prevention & control/ CATS/ *COCCYX/ COCCYX, metabolism/ DENERVATION/ DENSITOMETRY/ MICRORADIOGRAPHY/ OSTEOMALACIA, prevention & control/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS prevention & control/ PHOSPHONIC ACIDS,

administration & dosage/ *PHOSPHONIC ACIDS, therapeutic use/ TAIL

1039. Ellsworth LR, Armstrong DT: Luteinization of transplanted ovarian follicles in the rat induced by dibutyryl cyclic AMP. Endocrinology 92:840-6, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ *LH, pharmacodynamics/ LH, physiology/ MALE/ OVARY, physiology/ *OVUM, drug effects/ OVUM, metabolism/ OVUM, transplantation/ PITUITARY GLAND, physiology/ PREGNANES, analysis/ PROGESTERONE, analysis/ PROLACTIN, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM/ UTERUS, drug effects

1040. Emanuel RL, Cain JP, Williams GH: Double antibody radioimmunoassay of renin activity and angiotensin II in human peripheral plasma.
J Lab Clin Med 81:632-40, Apr 73
*ANGIOTENSIN, blood/ ANTIBODIES/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, blood/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SPECTROPHOTOMETRY

1041. Emerson TE Jr, Meier PD, Dangherty RM Jr: Dependence of skeletal muscle vascular response to serotonin upon the level of vascular resistance.
Proc Soc Exp Biol Med 142:1185-8, Apr 73
ANIMAL EXPERIMENTS/ DOGS/ ELECTRIC STIMULATION/ *MUSCLES, blood supply/ MUSCLES, innervation/ *SEROTONIN, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, physiology/ *VASCULAR RESISTANCE, drug effects

1042. Enberg R, Bietzinger R, Burry VF: Disseminated aspergillosis during treatment of hepatic failure.
J Pediatr 82:737, Apr 73
*ASPERGILLOSIS, etiology/ CHILD, PRESCHOOL/ FEMALE/ *HEPATITIS, complications/ HEPATITIS, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ MONILIASIS, drug therapy/ MONILIASIS, etiology/ NEOMYCIN, therapeutic use/ NYSTATIN, therapeutic use

1043. Engelmann L, Schneider D: Antidiurese durch Chlorpropamid, Carbamazepin und Clofibrat beim Diabetes insipidus.
Z Aerztl Fortbild (Jena) 67:126-30, 1 Feb 73 (Ger)
ADENOSINE MONOPHOSPHATE, urine/ ADULT/ CALCIUM, blood/ CALCIUM, urine/ *CARBAMAZEPINE, therapeutic use/ CHLORIDES, blood/ CHLORIDES, urine/ *CHLORPROPAMIDE, therapeutic use/ *CLOFIBRATE, therapeutic use/ DIABETES INSIPIDUS, blood/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ POTASSIUM, urine/ SODIUM, blood/ SODIUM, urine

1044. English JT, Patel SK, Flanagan MJ: Association of pheochromocytomas with brown fat tumors.
Radiology 107:279-81, May 73
*ABDOMINAL NEOPLASMS, complications/ ABDOMINAL NEOPLASMS, radiography/ ADOLESCENCE/ AORTOGRAPHY/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ *LIPOMA, complications/ LIPOMA, radiography/ *NEOPLASMS, MULTIPLE PRIMARY/ NEOPLASMS, MULTIPLE PRIMARY, radiography/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, radiography/ RENAL ARTERY, radiography/ *THORACIC NEOPLASMS, complications/ THORACIC NEOPLASMS, radiography

1045. Enriquez R, Egbert B, Bullock J: Primary malignant melanoma of central nervous system. Pineal involvement in a patient with nevus of ota and multiple pigmented skin nevi.
Arch Pathol 95:392-5, Jun 73
ADULT/ AUTOPSY/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, pathology/ CYTODIAGNOSIS/ EYE DISEASES, etiology/ EYE DISEASES, pathology/ EYELID DISEASES, pathology/ HUMAN/ MALE/ *MELANOMA, pathology/ *MENINGES, pathology/ NEOPLASM METASTASIS/ NEVUS, pathology/ *NEVUS, PIGMENTED, pathology/ *PINEAL BODY, pathology

1046. Epand RM, Epand RF: Studies on the alkaline denaturation of glucagon.
Can J Biochem 51:140-7, Feb 73
ADENYL CYCLASE, analysis/ ADENYL CYCLASE, isolation & purification/ *ALKALIES/ AMINO ACIDS, analysis/ ANTIBODIES, analysis/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CIRCULAR DICHROISM/ FLUORINE/ *GLUCAGON/ GLUCAGON, analysis/ HYDROLYSIS/ IODINE ISOTOPES/ ISOMERISM/ LEUCINE AMINOPEPTIDASE/ LIVER, enzymology/ NITROBENZENES/ OSMOLAR CONCENTRATION/ PEPTIDE CHAIN TERMINATION/ PROTEIN CONFORMATION/ PROTEIN DENATURATION/ *PROTEIN DENATURATION/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SODIUM HYDROXIDE

1047. Epand RM, Grey V: Conformational and biological properties of partial sequences of glucagon.
Can J Physiol Pharmacol 51:243-8, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE TRIPHOSPHATE, metabolism/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CIRCULAR DICHROISM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORESCENCE SPECTROMETRY/ GLUCAGON, analysis/ *GLUCAGON, pharmacodynamics/ IN VITRO/ LIVER, metabolism/ *PEPTIDES, pharmacodynamics/ PROTEIN CONFORMATION/ RATS/ ULTRACENTRIFUGATION

1048. Epstein AN, Fitzsimons JT, Johnson AK: Prevention by angiotensin II antiserum of drinking induced by intracranial angiotensin.
J Physiol (Lond) 230:42P-43P, Apr 73
ANGIOTENSIN, administration & dosage/ ANGIOTENSIN, antagonists & inhibitors/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES/ *DRINKING/ *IMMUNE SERUMS/ INJECTIONS/ MALE/ RATS/ RENIN, pharmacodynamics

1049. Epstein M, Saruta T: Effects of an hyperoxic hypobaric environment on renin-aldosterone in normal man.
J Appl Physiol 34:49-52, Jan 73
ADOLESCENCE/ ADULT/ *ALDOSTERONE, urine/ ALTITUDE/ *ATMOSPHERIC PRESSURE/ *AVIATION MEDICINE/ CREATININE, urine/ DIET/ HOMEOSTASIS/ HUMAN/ KIDNEY, metabolism/ MALE/ *OXYGEN, blood/ *RENIN, blood/ *SEALED CABIN ECOLOGY/ SODIUM, administration & dosage/ *SODIUM, metabolism/ SPACE FLIGHT

1050. Epstein WV: Immunologic events preceding clinical exacerbation of systemic lupus erythematosus.
Am J Med 54:631-6, May 73
ADOLESCENCE/ ANTIBODIES, analysis/ CHLORAMBUCIL, therapeutic use/ COMPLEMENT, analysis/ GEL DIFFUSION TESTS/ GLOMERULONEPHRITIS, diagnosis/ GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, urine/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS,

SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, urine/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS

1051. **Erbler HC:** On the mechanism of the inhibitory action of the spirolactone SC 9376 (aldadiene) on the production of corticosteroids in rat adrenals in vitro. Naunyn Schmiedebergs Arch Pharmacol 277:139-49, 1973
*ADRENAL GLANDS, metabolism/ ALDOSTERONE, antagonists & inhibitors/ *ALDOSTERONE, biosynthesis/ ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARDANOLIDES, pharmacodynamics/ *CORTICOSTERONE, biosynthesis/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KETOSTEROIDS, pharmacodynamics/ MALE/ MASS SPECTRUM ANALYSIS/ RATS/ SODIUM/ SPIRONOLACTONE, pharmacodynamics

1052. **Eriksson H, Gustafsson JA, Sjövall J, et al:** Excretion of neutral steroids in urine and faeces of women with intrahepatic cholestasis of pregnancy.
Steroids Lipids Res 3:30-48, 1972
ADULT/ BILE ACIDS AND SALTS, blood/ CARBON ISOTOPES/ CHOLESTASIS, drug therapy/ *CHOLESTASIS, metabolism/ CHOLESTASIS, urine/ CHROMATOGRAPHY, GAS/ *FECES, analysis/ GLUCURONATES, urine/ HUMAN/ MALE/ MASS SPECTRUM ANALYSIS/ PHTHALYLSULFATHIAZOLE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, metabolism/ STEROIDS, analysis/ *STEROIDS, urine/ SULFATES, blood/ SULFATES, urine/ TRITIUM

1053. **Erkoçak A:** Etude au microscope électronique de la neurohypophyse du rat normal ou après surrénalectomie bilatérale. Recherches sur les pituicytes et sur le mode de libération du neurosécrétat.
Acta Anat (Basel) 84:178-201, 1973 (Fre)
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AXONS, cytology/ CELLULAR INCLUSIONS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GOLGI APPARATUS, cytology/ LYSOSOMES/ MALE/ *NEUROSECRETION/ PHAGOCYTOSIS/ *PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, secretion/ PITUITARY HORMONES, POSTERIOR, secretion/ RATS/ RIBOSOMES/ TIME FACTORS

1054. **Erle G, Federspil G, Casara D, et al:** Effects of L-triiodothyronine on insulin secretion in man.
Folia Endocrinol (Roma) 26:49-56, Feb 73
ADMINISTRATION, ORAL/ BLOOD SUGAR, analysis/ GLUCOSE, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ *INSULIN, secretion/ PANCREAS, drug effects/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

1055. **Ermini M, Benagiano G, Torre B de la, et al:** Studies on the metabolism of C 19 steroids in the foeto-placental unit. 6. Formation and metabolism of testosterone sulphate in the intact foeto-placental unit.
Acta Endocrinol (Kbh) 72:786-800, Apr 73
ADRENAL GLANDS, metabolism/ ANDROSTERONE, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COUNTERCURRENT DISTRIBUTION/ FEMALE/ *FETUS, metabolism/ HUMAN/ HYDROLYSIS/ LIVER, metabolism/ LUNG, metabolism/ MALE/ *PLACENTA, metabolism/ PREGNANCY/ *TESTOSTERONE, metabolism/ TRITIUM/ UMBILICAL VEINS

1056. **Ermol'eva ZV, Vaĭsberg GE:** Prodigiozan i antibiotiki.
Antibiotiki 17:1109-28, Dec 72 (144 ref.) (Rus)
ANIMAL EXPERIMENTS/ *ANTIBIOTICS, therapeutic use/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BRONCHITIS, drug therapy/ CHOLECYSTITIS, drug therapy/ COLITIS, drug therapy/ DRUG THERAPY, adverse effects/ GYNECOLOGIC DISEASES, drug therapy/ HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ INFLAMMATION, drug therapy/ INFLUENZA, prevention & control/ NEOPLASMS, EXPERIMENTAL, drug therapy/ OCCUPATIONAL DISEASES, drug therapy/ PERIODONTAL DISEASES, drug therapy/ PHAGOCYTOSIS, drug effects/ PITUITARY-ADRENAL SYSTEM, drug effects/ PREGNANCY COMPLICATIONS, INFECTIOUS, drug therapy/ *PRODIGIOSIN, therapeutic use/ PSORIASIS, drug therapy/ PYELONEPHRITIS, drug therapy/ RADIATION-PROTECTIVE AGENTS, therapeutic use/ REVIEW/ SURGICAL WOUND INFECTION, drug therapy/ TONSILLITIS, drug therapy/ VIRUS DISEASES, drug therapy

1057. **Erödi A:** Magnesium--antikoagulierend wirkender physiologischer Elektrolyt.
Med Klin 68:216-9, 16 Feb 73 (32 ref.) (Ger
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD COAGULATION, drug effects/ BLOOD COAGULATION DISORDERS, physiopathology/ BLOOD PLATELETS, drug effects/ BLOOD PRESSURE, drug effects/ CALCIUM, metabolism/ CHOLESTEROL, metabolism/ ENZYME ACTIVATION, drug effects/ ERYTHROCYTES, drug effects/ FEMALE/ FIBRINOGEN, metabolism/ HEART, drug effects/ HUMAN/ IMMUNITY, drug effects/ LIPIDS, metabolism/ MAGNESIUM, metabolism/ *MAGNESIUM, pharmacodynamics/ MAGNESIUM, therapeutic use/ MUSCLE, SMOOTH, drug effects/ NEOPLASMS, metabolism/ PHAGOCYTOSIS, drug effects/ PREGNANCY/ RATS/ REVIEW/ STRESS, metabolism/ THROMBOEMBOLISM, drug therapy

1058. **Esber HJ, Payne IJ, Bogden A:** Variability of hormon concentrations and ratios in commercial sera used fo tissue culture. J Natl Cancer Inst 50:559-62, Feb 7
ANIMAL EXPERIMENTS/ *BLOOD/ CATTLE/ *CULTURE MEDIA/ *ESTRADIOL, blood/ *ESTRONE, blood/ FETUS, analysis/ *INSULIN, blood/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TISSUE CULTURE

1059. **Esch GW, Huffines WJ:** Histopathology associated wit endoparasitic helminths in bass.
J Parasitol 59:306-13, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ *FISH DISEASES, pathology/ FISHES/ HELMINTHIASIS, pathology/ *HELMINTHIASIS, veterinary/ INTESTINE, SMALL, pathology/ LIVER, pathology/ MALE OVARY, pathology/ PYLORUS, pathology/ SPLEEN, pathology/ TESTIS, pathology

1060. **Escobar del Rey F, Ferreiro Aláes L, Sánchez Franco I et al:** El bocio endémico de Las Hurdes. I. Incidenc del bocio en las poblaciones escolar y pre-escola
Rev Clin Esp 128:101-6, 31 Jan 73 (Sp
CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, ENDEMIC, occurrence/ HUMAN/ MALE/ SPAIN

1061. **Esipenko IP:** Vypadok prerkruchenoĭ kisty iaichnyk u divchynky 11 rokiv.
Pediatr Akush Ginekol 1:62, Jan-Feb 72 (Uk
CHILD/ FEMALE/ HUMAN/ *OVARIAN CYSTS, complications/ OVARIAN CYSTS, diagnosis/ TORSION

1062. **Eskildsen PC:** Transfer of rabbit uterine renin autologous tissues placed in contact with the uteru
Acta Pathol Microbiol Scand [A] 81:125-36, Mar
ABDOMINAL WALL, analysis/ ABDOMINAL WALL, metabolism/ ANIMAL EXPERIMENTS BIOLOGICAL TRANSPORT/ DIFFUSION/

EXTRACELLULAR SPACE, metabolism/ FEMALE/ MICROPORE FILTERS/ OMENTUM, analysis/ OMENTUM, metabolism/ PREGNANCY/ RABBITS/ RENIN, analysis/ RENIN, biosynthesis/ RENIN, blood/ *RENIN, metabolism/ URETER, analysis/ URETER, metabolism/ UTERUS, analysis/ *UTERUS, metabolism

1063. **Essman WB:** Neuromolecular modulation of experimentally-induced retrograde amnesia.
Confin Neurol 35:1-22, 1973
AGE FACTORS/ AMNESIA, chemically induced/ *AMNESIA, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBON ISOTOPES/ CEREBRAL CORTEX, metabolism/ CYTOPLASM, metabolism/ ELECTROSHOCK/ HIPPOCAMPUS, drug effects/ LEUCINE, metabolism/ MEMORY, SHORT-TERM/ MICE/ MITOCHONDRIA, metabolism/ MYELIN SHEATH, metabolism/ NERVE ENDINGS, metabolism/ *NERVE TISSUE PROTEINS, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ RNA, metabolism/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SYNAPTIC VESICLES, metabolism

1064. **Estrada S, de Céspedes C, Calderón E:** Accumulation of calcium and phosphate stimulated by carboxylic antibiotics into mitochondria.
J Bioenerg 3:361-75, Aug 72
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CARBOXYLIC ACIDS, pharmacodynamics/ ELECTRON TRANSPORT/ GLUTAMATES, metabolism/ HYDROGEN-ION CONCENTRATION/ HYDROXYBUTYRATES, pharmacodynamics/ IN VITRO/ KETOGLUTARIC ACID, metabolism/ MALATES, metabolism/ MALE/ MEMBRANES, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ *PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ PYRUVATES, metabolism/ RATS/ SPIRO COMPOUNDS, pharmacodynamics/ STIMULATION, CHEMICAL

1065. **Evans LH, Hähnel R:** Distribution of oestrogen receptors in cell fractions of human uterine tissue.
J Endocrinol 56:503-28, Mar 73
ADULT/ AGED/ BINDING SITES/ CALCIUM, pharmacodynamics/ CELL NUCLEUS/ CYTOPLASM/ ENDOMETRIUM, cytology/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MIDDLE AGE/ MUSCLES, physiology/ *RECEPTORS, DRUG/ RECEPTORS, DRUG, drug effects/ SUCROSE, pharmacodynamics/ TEMPERATURE/ TRITIUM/ *UTERUS, metabolism

1066. **Evans RB, Snelling RN, Buck FN:** Assessment of thyroid inhalation doses in the Western United States from the Chinese nuclear test of November 1971.
Radiat Data Rep 14:9-15, Jan 73
*AIR POLLUTION, RADIOACTIVE/ *ATOMIC ENERGY/ CHINA/ HUMAN/ IODINE ISOTOPES/ NUCLEAR FISSION/ RADIATION MONITORING/ RADIOISOTOPES/ TELLURIUM/ *THYROID GLAND, radiation effects/ UNITED STATES

1067. **Evenson MA, Koellner S:** Rapid method for quantitative determination of propoxyphene in serum by gas-liquid chromatography.
Clin Chem 19:492-5, May 73
ANDROSTERONE, blood/ CHLOROFORM, blood/ CHROMATOGRAPHY, GAS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ *PROPOXYPHENE, blood/ PROPOXYPHENE, poisoning/ TIME FACTORS

1068. **Evered DC, Ormston BJ, Smith PA, et al:** Grades of hypothyroidism. Br Med J 1:657-62, 17 Mar 73
AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, diagnosis/ CHOLESTEROL, blood/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, classification/ HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ LIPIDS, blood/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, diagnostic use

1069. **Ewert EG:** Zur Leberverträglichkeit von Rifampicin.
Prax Pneumol 27:235-40, Apr 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BILIRUBIN, blood/ BLOOD CELL COUNT/ BLOOD SEDIMENTATION/ CHOLESTEROL, blood/ CONTRACEPTIVE AGENTS/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LIVER, drug effects/ MALE/ *RIFAMPIN, pharmacodynamics/ SARCOIDOSIS, drug therapy

1070. **Eyem J, Sjöquist J:** Analysis of thiohydantoins from amino acids by gas-liquid chromatography on short glass capillary columns.
Anal Biochem 52:255-71, Mar 73
*AMINO ACIDS, analysis/ ARGININE, analysis/ *CHROMATOGRAPHY, GAS/ CYSTEINE, analysis/ HISTIDINE, analysis/ *HYDANTOINS, analysis/ MASS SPECTRUM ANALYSIS/ METHODS/ ORNITHINE, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ THIOHYDANTOINS, analysis/ THIOHYDANTOINS, isolation & purification

1071. **Ezdanian EA:** Znachenie nekotorykh spetsial'nykh issledovaniĭ mochi v diagnostike khronicheskogo pielonefrita.
Klin Med (Mosk) 50:85-90, Aug 72 (Rus)
ADULT/ AGED/ *BACTERIURIA, diagnosis/ BACTERIURIA, etiology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, complications/ MALE/ METHODS/ MIDDLE AGE/ *PREDNISOLONE, diagnostic use/ PYELONEPHRITIS, complications/ *PYELONEPHRITIS, urine/ *PYURIA, diagnosis/ PYURIA, etiology/ *URINE, analysis

1072. **Ezenwa AO, Venard CE:** Gynandromorphism in Aedes triseriatus (Say). J Med Entomol 10:52, 31 Jan 73
*AEDES/ ANIMAL EXPERIMENTS/ FEMALE/ *HERMAPHRODITISM, veterinary/ MALE/ PHENOTYPE/ SEX CHROMOSOMES

F

1073. **Fabre LF Jr, Pasco PJ, Liegel JM, et al:** Abnormal testosterone excretion in men alcoholics.
Q J Stud Alcohol 34:57-63, Mar 73
ADULT/ ALCOHOL, ETHYL, blood/ *ALCOHOLISM, metabolism/ ANDROSTERONE, urine/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ LIVER, metabolism/ MALE/ MIDDLE AGE/ TESTOSTERONE, metabolism/ *TESTOSTERONE, urine

1074. **Fabris C, Franceschini P, Bogetti G, et al:** Sex chromosome anomalies detection and fluorescence.
Acta Paediatr Scand 62:307-8, May 73
AUTORADIOGRAPHY/ CELL DIVISION/ CELL LINE/ FLUORESCENCE/ GENITALIA, MALE, abnormalities/ HUMAN/ INFANT/ MALE/ METHODS/ MICROSCOPY, FLUORESCENCE/ MOSAICISM/ QUINACRINE, diagnostic use/ *SEX CHROMOSOME ABNORMALITIES, diagnosis

1075. **Fager CA:** Nature and treatment of cerebrospinal fluid rhinorrhea in pituitary tumors.
Surg Clin North Am 53:283-90, Apr 73
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, radiotherapy/ ADENOMA, CHROMOPHOBE, surgery/ ADULT/ *CEREBROSPINAL RHINORRHEA, etiology/ CEREBROSPINAL RHINORRHEA,

surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS/ SPHENOID SINUS, surgery

1076. **Fahim I, Ismail M, Osman OH:** The role of 5-hydroxytryptamine and noradrenaline in the hyperthermic reaction induced by pethidine in rabbits pretreated with pargyline.
Br J Pharmacol 46:416-22, Nov 72
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DRUG TOLERANCE/ FEMALE/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAVENOUS/ LITHIUM, pharmacodynamics/ MALE/ *MEPERIDINE, pharmacodynamics/ NALORPHINE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ RABBITS/ *SEROTONIN, biosynthesis/ THIOCARBAMATES, pharmacodynamics/ YOHIMBINE, pharmacodynamics

1077. **Failla D, Santi DV:** A simple method for quantitating ligands covalently bound to agarose beads.
Anal Biochem 52:363-8, Apr 73
AMINES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ HYDROGEN-ION CONCENTRATION/ IODOTYROSINE/ LIGANDS/ METHODS/ *POLYSACCHARIDES/ SOLUBILITY/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFHYDRYL COMPOUNDS

1078. **Fain JN:** Biochemical aspects of drug and hormone action on adipose tissue.
Pharmacol Rev 25:67-118, Mar 73 (393 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ DNA, biosynthesis/ ENZYME ACTIVATION/ GLUCOCORTICOIDS, pharmacodynamics/ GLUCOSE, antagonists & inhibitors/ GLUCOSE, metabolism/ *HORMONES, pharmacodynamics/ LIPASE, metabolism/ *LIPIDS, metabolism/ RECEPTORS, ADRENERGIC/ REVIEW/ RNA, biosynthesis/ SOMATOTROPIN, pharmacodynamics

1079. **Faĭnshteĭn FE, Polianskaia AM, Kosinets GI, et al:** Khronicheskii limfoleĭkez--bolezn' immunologicheskof nesostoiatel'nosti.
Ter Arkh 44:9-13, Sep 72 (22 ref.) **(Rus)**
ANABOLIC STEROIDS, therapeutic use/ AUTOIMMUNE DISEASES/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ *LEUKEMIA, LYMPHOCYTIC, immunology/ LEUKEMIA, MYELOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, immunology/ PHAGOCYTOSIS/ PREDNISOLONE, therapeutic use/ REVIEW

1080. **Fairman D:** Stereotactic hypothalamotomy for the alleviation of pain in malignant tumors.
J Surg Oncol 5:79-84, 1973
BLOOD PRESSURE/ ELECTRIC STIMULATION/ ELECTRODES/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiopathology/ *HYPOTHALAMUS, surgery/ METHODS/ MIDDLE AGE/ *NEOPLASMS, complications/ PAIN, etiology/ *PAIN, therapy/ STEREOTAXIC TECHNICS/ TIME FACTORS

1081. **Falk P, Mootz W:** Morphologische Untersuchungen zur Retikulierung des Tonsillenepithels.
Acta Otolaryngol (Stockh) 75:85-103, Feb-Mar 73 **(Ger)**
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CELL MOVEMENT, drug effects/ CHILD/ *CORTISONE, pharmacodynamics/ CYTOPLASM/ *DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ *EPITHELIAL CELLS, drug effects/ EPITHELIUM, drug effects/ HUMAN/ LANGERHANS CELLS/ *LYMPHOCYTES, drug effects/ *METHYLPREDNISOLONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ MITOSIS, drug effects/ RABBITS/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ TONSIL, cytology/ *TONSIL, drug effects/ TONSIL, pathology/ TONSILLITIS, pathology

1082. **Falkay G, Morvay J, Sas M:** Clinical chemistry of 3-methoxy-17-epioestriol (epimestrol).
Clin Chim Acta 44:209-16, 14 Mar 73
CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *ESTRANES/ ESTRANES, analysis/ ESTRIOL/ ESTRONE/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ METHODS/ METHYL ETHER/ METHYL ETHER, analysis/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, INFRARED

1083. **Falkay G, Sas M, Bártfay G:** Investigation of the metabolism of 3-methoxy-17-epioestriol.
Steroids Lipids Res 3:207-13, 1972
ADULT/ CASTRATION/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, urine/ *ESTRANES, metabolism/ ESTRIOL, urine/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ ESTRONE, urine/ FEMALE/ GLUCURONATES, urine/ HUMAN/ HYDROXYSTEROIDS, metabolism/ METHYL ETHER, metabolism/ METHYL ETHER, urine/ MIDDLE AGE

1084. **Falletta JM, Steuber CP, Hayes JW, et al:** Nonketotic hyperglycemia due to prednisone (NSC-10023) following ketotic hyperglycemia due to L-asparaginase (NSC-109229) plus prednisone.
Cancer Chemother Rep 56:781-2, Dec 72
*ACIDOSIS, DIABETIC, chemically induced/ ACIDOSIS, DIABETIC, complications/ ADOLESCENCE/ *ASPARAGINASE, adverse effects/ ASPARAGINASE, therapeutic use/ HUMAN/ *HYPERGLYCEMIA, chemically induced/ HYPERGLYCEMIA, complications/ LEUKEMIA, complications/ LEUKEMIA, drug therapy/ LEUKOPENIA, etiology/ MALE/ MERCAPTOPURINE, therapeutic use/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REMISSION

1085. **Falliers CJ:** Corticosteroid aerosols in asthma.
Lancet 1:606-7, 17 Mar 73
AEROSOLS/ *ASTHMA, drug therapy/ HUMAN/ *TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, adverse effects/ TRIAMCINOLONE ACETONIDE, therapeutic use

1086. **Faltus F:** Starch z tloušťky a z dospívání.
Cesk Psychiatr 69:124-7, Apr 73 **(Cze)**
ADOLESCENCE/ ADULT/ *ANOREXIA NERVOSA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NEUROSES, ANXIETY, etiology/ *OBESITY/ *PSYCHOSEXUAL DEVELOPMENT/ PUBERTY

1087. **Falvo KA, Bullough PG:** Osteogenesis imperfecta: a histometric analysis.
J Bone Joint Surg [Am] 55:275-86, Mar 73
ADOLESCENCE/ ADULT/ *BONE AND BONES, pathology/ BONE MATRIX/ BONE RESORPTION, pathology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ ILIUM, pathology/ INFANT/ MALE/ MICROSCOPY, POLARIZATION/ OSTEOBLASTS/ OSTEOCLASTS/ OSTEOCYTES/

OSTEOGENESIS IMPERFECTA, etiology/ *OSTEOGENESIS IMPERFECTA, pathology

1088. **Fanconi A, Prader A:** Hereditäre Rachitisformen. Schweiz Med Wochenschr 102:1073-8, 5 Aug 72 (40 ref.) (Ger)
AUTOSOME ABNORMALITIES/ ENGLISH ABSTRACT/ *FANCONI SYNDROME, familial & genetic/ GENES, RECESSIVE/ HUMAN/ *HYPOPHOSPHATASIA, familial & genetic/ HYPOPHOSPHATASIA, radiography/ INFANT, NEWBORN/ MALE/ REVIEW/ *RICKETS, familial & genetic/ *RICKETS, VITAMIN D RESISTANT, familial & genetic

1089. **Fanconi G:** Atypischer Diabetes insipidus neurohormonalis kombiniert mit Riesenwuchs und Pubertas tarda.
Helv Paediatr Acta 28:13-7, Mar 73 (Ger)
ADULT/ *DIABETES INSIPIDUS, complications/ ENGLISH ABSTRACT/ GIGANTISM, drug therapy/ *GIGANTISM, etiology/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPOTHALAMUS, physiology/ MALE/ PITUITARY HORMONE RELEASING FACTORS/ *PUBERTY/ PUBERTY, PRECOCIOUS, drug therapy/ TESTOSTERONE, therapeutic use/ VASOPRESSIN, secretion

1090. **Fang VS:** Studies on the hypocalcemic action of 2-pyrrolecarboxylic acid.
Arch Int Pharmacodyn Ther 202:183-93, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CARBOXYLIC ACIDS, administration & dosage/ *CARBOXYLIC ACIDS, pharmacodynamics/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ NEPHRECTOMY/ PARATHYROID HORMONE, antagonists & inhibitors/ PHOSPHATES, pharmacodynamics/ PYRROLES, administration & dosage/ *PYRROLES, pharmacodynamics/ RATS/ THIOPHENES, administration & dosage/ THIOPHENES, pharmacodynamics/ THYROCALCITONIN, pharmacodynamics

1091. **Fantl V, Booth M, Gray CH:** Urinary pregn-5-ene-3 ,16 ,20 -triol in adrenal dysfunction.
J Endocrinol 57:135-42, Apr 73
*ADRENAL GLAND DISEASES, urine/ ADRENAL GLAND NEOPLASMS, urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CUSHING'S SYNDROME, urine/ FEMALE/ HIRSUTISM, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ *PREGNANETRIOL, urine/ STERILITY, FEMALE, urine

1092. **Fara J, Haglund U:** Release of serotonin from the small intestine following hypotension in the cat.
Eur Surg Res 5:152-61, 1973
ANIMAL EXPERIMENTS/ BRADYKININ, blood/ CATS/ *HYPOTENSION, complications/ *INTESTINAL DISEASES, complications/ *INTESTINE, SMALL/ ISCHEMIA/ SEROTONIN, analysis/ *SEROTONIN, blood/ *SHOCK, HEMORRHAGIC, complications

1093. **Farhangi M, Osserman EF:** The treatment of multiple myeloma. Semin Hematol 10:149-61, Apr 73
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIBIOTICS, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ EXERCISE THERAPY/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYPERCALCEMIA, prevention & control/ MELPHALAN, therapeutic use/ *MULTIPLE MYELOMA, therapy/ RADIOTHERAPY

1094. **Farid NR, Munro RE, Row VV, et al:** Cell-mediated immunity in thyroid disease. Br Med J 1:677, 17 Mar 73
CELL MIGRATION INHIBITION/ *GOITER, EXOPHTHALMIC, immunology/ HEPATITIS, immunology/ HUMAN/ *IMMUNE ADHERENCE REACTION/ IMMUNITY, CELLULAR/ T-LYMPHOCYTES, immunology/ MACROPHAGES/ *THYROIDITIS, LYMPHOMATOUS, immunology

1095. **Farina E:** Sex in triploid Discoglossus pictus.
Acta Embryol Exp (Palermo) 3:333-40, 1972
ANIMAL EXPERIMENTS/ COLD/ FEMALE/ OVARY, anatomy & histology/ *OVARY, growth & development/ OVUM/ *POLYPLOIDY/ *TOADS, physiology

1096. **Farley S, Barnes R:** Stenosis of ejaculatory ducts treated by endoscopic resection.
J Urol 109:664-6, Apr 73
CYSTOSCOPY/ *EJACULATORY DUCTS, surgery/ HUMAN/ MALE/ METHODS/ PROSTATITIS, complications/ TESTICULAR DISEASES, diagnosis/ TESTICULAR DISEASES, etiology/ *TESTICULAR DISEASES, surgery

1097. **Farrell MF, Day NK, Tsakraklides V, et al:** Study of lymphocyte depletion and serum complement perturbations following acute burn trauma.
Surgery 73:697-705, May 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ BURNS, complications/ *BURNS, immunology/ BURNS, pathology/ *COMPLEMENT/ DUODENUM, pathology/ FEMALE/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, etiology/ IMMUNOLOGIC DEFICIENCY SYNDROMES, pathology/ LYMPH NODES, pathology/ *LYMPHOCYTES/ MALE/ MESENTERY, pathology/ PITUITARY-ADRENAL SYSTEM/ RATS/ SPLEEN, pathology/ THYMUS GLAND, pathology

1098. **Farrell PM, Zachman RD:** Corticosteroids as primary therapeutic agents in respiratory distress syndrome (RDS). Pediatrics 51:952-5, May 73
ENZYME INDUCTION/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ LECITHINS, biosynthesis/ *RESPIRATORY DISTRESS SYNDROME, drug therapy/ RESPIRATORY DISTRESS SYNDROME, metabolism/ TRANSFERASES, biosynthesis

1099. **Faucault JP, Bernard JP, Potier JC, et al:** Cytotoxic lymphocytes in melanoma patients.
Int J Cancer 9:567-76, 15 May 72
ANTIGENS/ CELLS, CULTURED/ CHORIOCARCINOMA, immunology/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ FIBROBLASTS, immunology/ HUMAN/ IMMUNITY, CELLULAR/ *LYMPHOCYTES, immunology/ MALE/ *MELANOMA, immunology/ NEOPLASM METASTASIS/ SKIN, cytology/ TIME FACTORS

1100. **Favara BE, Franciosi RA:** Ovarian teratoma and neuroglial implants on the peritoneum.
Cancer 31:678-81, Mar 73
CHILD/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ NEOPLASM METASTASIS/ *NEUROGLIA/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, pathology/ *PERITONEAL NEOPLASMS, pathology/ PERITONEUM, pathology/ RUPTURE, SPONTANEOUS, etiology/ TERATOID TUMOR, complications/ *TERATOID TUMOR, pathology

1101. **Favre L, Roussel-Deruyck R, Vallotton MB:** Influence of pH on human renin activity with different substrates: role of substrate denaturation.
Biochim Biophys Acta 302:102-9, 15 Mar 73
AMINO ACID SEQUENCE/ *ANGIOTENSIN/ ANGIOTENSIN, analysis/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, analysis/ BLOOD/ BLOOD PROTEINS/ DRUG STABILITY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE ISOTOPES/ ISOLEUCINE, analysis/ KIDNEY, enzymology/ PEPTIDES/ PEPTIDES, analysis/ PROTEIN DENATURATION/ RADIOIMMUNOASSAY/ *RENIN/ SPECIES SPECIFICITY/

STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TIME FACTORS

1102. **Favus MJ, Kimberg DV, Millar GN, et al:** Effects of cortisone administration on the metabolism and localization of 25-hydroxycholecalciferol in the rat. J Clin Invest 52:1328-35, Jun 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY/ *CORTISONE, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ FEMUR/ GEL FILTRATION/ HYDROXYCHOLECALCIFEROL, blood/ *HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ RATS/ TIME FACTORS/ TRITIUM/ VITAMIN D DEFICIENCY, metabolism

1103. **Federspil G, Zaccaria M, De Palo C, et al:** [Metabolic effects of neutral red in rats]
Acta Diabetol Lat 9:562-76, Jul-Aug 72 (Mul)
*ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CATECHOLAMINES, blood/ DIMETHYLAMINES, pharmacodynamics/ DYES, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, metabolism/ GLYCERIN, blood/ GLYCOGEN, metabolism/ HYPERGLYCEMIA, chemically induced/ HYPOPHYSECTOMY/ LACTATES, blood/ MALE/ *METABOLISM, drug effects/ *PHENAZINES, pharmacodynamics/ RATS

1104. **Fekete B, Pálóczi K, Szegedi G, et al:** Absence of cooperating antibodies in pemphigus vulgaris. Lancet 1:1133, 19 May 73
ANTIBODY SPECIFICITY/ *AUTOANTIBODIES/ EPITHELIUM, immunology/ HUMAN/ *PEMPHIGUS, immunology/ THYROID DISEASES, immunology

1105. **Feldberg W, Gupta KP, Milton AS, et al:** Effect of bacterial pyrogen and antipyretics on prostaglandin activity in cerebrospinal fluid of unanaestbetized cats. Br J Pharmacol 46:550P-551P, Nov 72
*ACETAMINOPHEN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ CATS/ *INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ *PROSTAGLANDINS, cerebrospinal fluid/ *PYROGENS, pharmacodynamics/ SHIGELLA DYSENTERIAE

1106. **Feldman D, Funder JW, Edelman IS:** Evidence for a new class of corticosterone receptors in the rat kidney. Endocrinology 92:1429-41, May 73
ALDOSTERONE/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BLOOD PROTEINS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ *CORTICOSTERONE, metabolism/ CYTOPLASM/ DEXAMETHASONE/ DIAPHRAGM/ GEL FILTRATION/ *KIDNEY, cytology/ KIDNEY, metabolism/ KINETICS/ LIVER/ MALE/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TRITIUM

1107. **Feldman D, Funder JW:** The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. Endocrinology 92:1389-96, May 73
ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CORTICOSTERONE, metabolism/ DEXAMETHASONE, metabolism/ *HYDROXYCORTICOSTEROIDS, metabolism/ IN VITRO/ *KIDNEY, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TRITIUM

1108. **Feldman JM, Lebovitz HE:** Role of pancreatic monoamines in the impaired insulin secretion of the fasting state. Endocrinology 92:1469-74, May 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ P-CHLOROPHENYLALANINE, pharmacodynamics/ *FASTING/ GLUCOSE, pharmacodynamics/ HAMSTERS/ IN VITRO/ INSULIN, blood/ *INSULIN, metabolism/ METHYLTYROSINES, pharmacodynamics/ *PANCREAS, metabolism/ RESERPINE, pharmacodynamics/ TOLBUTAMIDE, pharmacodynamics

1109. **Feldman JM, Levovitz HE:** A serotoninergic mechanism for the control of insulin secretion. Trans Assoc Am Physicians 85:279-94, 1972
ANIMAL EXPERIMENTS/ CATECHOLAMINES, antagonists & inhibitors/ CYPROHEPTADINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIABETES MELLITUS, metabolism/ GLUCOSE, pharmacodynamics/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, metabolism/ METHYSERGIDE, pharmacodynamics/ PANCREAS, secretion/ PHENOXYBENZAMINE, pharmacodynamics/ PLACEBOS/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology/ STIMULATION, CHEMICAL/ STREPTOZOTOCIN, pharmacodynamics

1110. **Feldman S, Hayat A:** Electrophysiological studies of somatosensory projections to the septum of the cat. Confin Neurol 35:34-49, 1973
ANIMAL EXPERIMENTS/ CATS/ ELECTRIC STIMULATION/ *EVOKED POTENTIALS/ HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS, physiology/ SCIATIC NERVE, physiology/ *SEPTUM PELLUCIDUM, physiology/ *SOMATOSENSORY CORTEX, physiology

1111. **Feldmann HU, Rupek R, Tenhaeff D:** Kontrazeption mit täglichen Mikro-Dosen Norethisteron. Fortschr Med 91:Suppl:495-9, 19 Apr 73 (Ger)
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ LIVER FUNCTION TESTS/ MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, chemically induced/ MIDDLE AGE/ *NORETHINDRONE, administration & dosage/ NORETHINDRONE, adverse effects/ NORETHINDRONE, pharmacodynamics/ OVULATION, drug effects/ PROGESTATIONAL HORMONES, urine

1112. **Fels E, Lamattina JC:** Die Wirkung von postnatal injiziertem Ostradiol oder Progesteron auf die Hodenfunktion der Ratte. Endokrinologie 61:25-31, 1973 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ GONADOTROPINS/ GONADOTROPINS, CHORIONIC/ MALE/ ORGAN WEIGHT/ *PROGESTERONE, pharmacodynamics/ RATS/ STERILITY, MALE, chemically induced/ TESTIS, anatomy & histology/ *TESTIS, drug effects

1113. **Felt V, Kolellat N, Röhling S, et al:** Peripheral metabolism of thyroxine and triiodothyronine in patients with endemic goitre, natives of endemic goitre areas in Czechoslovakia (with regard to obesity). Endokrinologie 61:65-74, 1973
CZECHOSLOVAKIA/ DISEASE RESERVOIRS/ FECES, analysis/ FEMALE/ GOITER, ENDEMIC, blood/ GOITER, ENDEMIC, complications/ *GOITER, ENDEMIC, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ IODINE, analysis/ IODINE, blood/ IODINE, urine/ MALE/ *OBESITY, complications/ PROTEIN BINDING/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism

1114. **Felt V, Nedvídková J:** Vliv trimepranolu na růstov bormon, insulin, glukosu a volné mastné kyseliny

séru při tyreotoxikose.
Vnitr Lek 19:374-8, Apr 73 (Cze)
ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ADULT/ AGED/ *AMINO ALCOHOLS, pharmacodynamics/ ANTIGENS/ *BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ ETHERS, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *INSULIN, blood/ MIDDLE AGE/ PROPYLAMINES, pharmacodynamics/ *SOMATOTROPIN, blood

1115. **Feit V, Strašek J, Bednář J:** Změny indexů nevázaného tyroxinu a vztab bilkovinného a lipidového metabolismu.
Cas Lek Cesk 112:309-12, 9 Mar 73 (Cze)
CHOLESTEROL, blood/ ENGLISH ABSTRACT/ HUMAN/ *LIPIDS, blood/ LIPIDS, metabolism/ *METABOLISM, INBORN ERRORS, blood/ PHOSPHOLIPIDS, blood/ *PROTEINS, metabolism/ *THYROXINE-BINDING PROTEIN/ TRIGLYCERIDES, blood

1116. **Femenić B, Subotić R, Krnjević H, et al:** Influence of experimental hypothyreosis on the inner ear in rats.
Acta Otolaryngol (Stockh) 75:156-8, Feb-Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES, pathology/ CELL MOVEMENT/ EPITHELIUM, pathology/ FEMALE/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, pathology/ INBREEDING/ *LABYRINTH, pathology/ MALE/ NEURONS/ PROPYLTHIOURACIL/ RATS

1117. **Fenci M de M, Villee CA:** Effect of estradiol on the metabolism of testosterone by rat prostate.
Steroids 21:537-52, Apr 73
ANDROSTANES, isolation & purification/ ANDROSTENES, isolation & purification/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ MALE/ PROSTATE, drug effects/ *PROSTATE, metabolism/ PROSTATECTOMY/ RADIOISOTOPE SCANNING/ RATS/ TESTOSTERONE, isolation & purification/ *TESTOSTERONE, metabolism/ TRITIUM

1118. **Fényes S:** Die Anderungen des szintigraphischen Bildes beim Schilddrüsenadenom unter der Wirkung von Metotbyrin (Methyimercaptoimidazol.
Nucl Med (Stuttg) 11:333-7, 30 Dec 72 (Ger)
*ADENOMA, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES/ *METHIMAZOLE, therapeutic use/ RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, drug therapy

1119. **Fernández de Recondo ME, Maggesse MC, Guerrero G, et al:** Nucleotides and nucleotide sugars in early development of Bufo arenarum. I. Mature oocytes.
Carbobydr Res 26:365-75, Feb 73
ANIMAL EXPERIMENTS/ *BUFO ARENARUM, embryology/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, PAPER/ FEMALE/ FERTILIZATION/ *NUCLEOSIDE DIPHOSPHATE SUGARS, analysis/ *NUCLEOTIDES, analysis/ OVARY/ OVUM, analysis

1120. **Fernández Marías O:** La participación simpática en la regulación de la corteza suprarrenal.
Rev Med Univ Navarra 16:323-38, Dec 72 (Spa)
ADRENAL GLAND DISEASES, etiology/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, physiopathology/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CHORDOTOMY/ CORTICOTROPIN, physiology/ CYTOPLASM/ EDEMA, etiology/ ENGLISH ABSTRACT/ HEMORRHAGE, etiology/ HYPOPHYSECTOMY/ KARYOMETRY/ PITUITARY-ADRENAL SYSTEM/ RATS/ STRESS, pathology/ *STRESS, physiopathology/ *VASOMOTOR SYSTEM, physiopathology

1121. **Fernley HN:** Thiophosphorylation of alkaline phosphatase. Nature [New Biol] 241:110-1, 24 Jan 73
*ALKALINE PHOSPHATASE, metabolism/ BINDING SITES/ *COUMARINS, metabolism/ ESCHERICHIA COLI, enzymology/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ KINETICS/ ORGANOTHIOPHOSPHORUS COMPOUNDS, metabolism/ PLACENTA, enzymology/ PREGNANCY

1122. **Ferreira HG, Jesus CH:** Salt adaptation in Bufo bufo.
J Physiol (Lond) 228:583-600, Feb 73
*ADAPTATION, PHYSIOLOGICAL/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, metabolism/ BODY WEIGHT/ *BUFO BUFO, physiology/ CHLORIDES, blood/ CHLORIDES, urine/ COLON, metabolism/ KIDNEY, physiology/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ POTASSIUM, urine/ SKIN ABSORPTION/ SODIUM, blood/ *SODIUM, metabolism/ SODIUM, urine/ SODIUM ISOTOPES/ URETER, metabolism/ VASOPRESSIN, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE/ WATER-ELECTROLYTE BALANCE, drug effects

1123. **Ferrey G, Breton J, Agman G:** A propos de deux patients porteurs d'un caryotype 47, XYY. Troubles psychiques et anomalies chromosomiques.
Rev Med Psychosom 14:399-414, 1972 (Fre)
ADULT/ AFFECTIVE DISTURBANCES/ ALCOHOLIC INTOXICATION/ EPILEPSY/ FAMILY/ GROWTH DISORDERS/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ MALE/ *MENTAL DISORDERS, familial & genetic/ PARENT-CHILD RELATIONS/ PSYCHOLOGICAL TESTS/ *SEX CHROMOSOME ABNORMALITIES

1124. **Feureman E, Frumkin A:** [Follow up of systemic lupus erythematosus after corticosteroids]
Harefuah 84:155-7, 1 Feb 73 (Heb)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PROGNOSIS

1125. **Feustel A:** Die Behandlung der wichtigsten männlichen Genitalkarzinome.
Zentralbl Chir 98:449-56, 30 Mar 73 (Ger)
ACTINOMYCIN, administration & dosage/ CHLORAMBUCIL, administration & dosage/ CHORIOCARCINOMA, drug therapy/ CYPROTERONE, therapeutic use/ ESTROGENS, therapeutic use/ HUMAN/ LYMPH NODE EXCISION/ MALE/ PENILE NEOPLASMS, radiotherapy/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, surgery/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, surgery/ *UROGENITAL NEOPLASMS, therapy

1126. **Feyrter F:** Uber die zyanochrom-granuläre Entartung des braunen Fettgewebes des Menschen.
Beitr Gerichtl Med 30:97-108, 1973 (Ger)
*ADIPOSE TISSUE, pathology/ ADULT/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ BROWN FAT, embryology/ *BROWN FAT, pathology/ CHROMAFFIN SYSTEM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MICE/ PHEOCHROMOCYTOMA, pathology/ PNEUMONIA, pathology/ PREGNANCY/ RATS/ THYROID DISEASES, pathology

1127. **Fialkow PJ, Martin GM, Sprague CA:** Replicative

life-span of cultured skin fibroblasts from young motbers of subjects with Down's syndrome: failure to detect accelerated ageing.
Am J Hum Genet 25:317-22, May 73
*AGING/ CELL DIVISION/ CELL SURVIVAL/ CELLS, CULTURED/ FEMALE/ *FIBROBLASTS, growth & development/ FIBROBLASTS, immunology/ HUMAN/ MATERNAL AGE/ *MONGOLISM, immunology/ THYROID GLAND, immunology

1128. **Ficat P, Ariet J, Lartigue G, et al:** Exploration de la circulation intra-osseuse. Exploration fonctionnelle médullaire.
Sem Hop Paris 49:587-92, 14 Feb 73 (Fre)
BIOPSY/ BLOOD PRESSURE/ *BONE AND BONES, blood supply/ BONE AND BONES, metabolism/ *BONE DISEASES, diagnosis/ *BONE MARROW, blood supply/ BONE MARROW CELLS, cytology/ ENGLISH ABSTRACT/ HIP JOINT/ HUMAN/ *JOINT DISEASES, diagnosis/ OSTEOARTHRITIS, diagnosis/ OSTEOCHONDRITIS, diagnosis/ OSTEOCHONDRITIS, patbology/ OSTEOCHONDRITIS, radiography/ OXIMETRY/ PHLEBOGRAPHY/ REGIONAL BLOOD FLOW

1129. **Ficher M, Curtis GC, Ganjam CK, et al:** Improved measurement of corticosteroids in plasma and urine by competitive protein-binding radioassay.
Clin Cbem 19:511-5, May 73
*ADRENAL CORTEX HORMONES, analysis/ ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, urine/ BINDING, COMPETITIVE/ CORTICOSTERONE, blood/ DOGS/ HORSES/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SPECIES SPECIFICITY/ TRANSCORTIN, diagnostic use/ TRITIUM

1130. **Fieldsteel AH, McIntosh AH:** Attempts to cultivate and determine the maximum period of viability of Mycobacterium leprae in tissue culture.
Int J Lepr 40:271-7, Jul-Sep 72
ANIMAL EXPERIMENTS/ CELL SURVIVAL/ CELLS, CULTURED/ EYE, microbiology/ HUMAN/ MICE, INBRED BALB C/ *MYCOBACTERIUM LEPRAE, growth & development/ *ORGAN CULTURE/ *PHAGOCYTOSIS/ RATS/ SARCOMA, microbiology/ SKIN, microbiology/ TESTIS, microbiology/ TIME FACTORS

1131. **Filburn CR, Karn J:** An isotopic assay of cyclic 3',5'-nucleotide phosphodiesterase with aluminum oxide columns. Anal Biocbem 52:505-16, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, isolation & purification/ ADENYL CYCLASE, analysis/ ADIPOSE TISSUE, enzymology/ ALUMINUM/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ GUANOSINE TRIPHOSPHATE, isolation & purification/ GUANYL CYCLASE, analysis/ INSECTS/ KINETICS/ LARVA/ METHODS/ MYOCARDIUM, enzymology/ OXIDES/ PHOSPHODIESTERASES, analysis/ *PHOSPHODIESTERASES, isolation & purification/ PHOSPHORUS ISOTOPES/ TRITIUM

1132. **Finch CE:** Catecholamine metabolism in the brains of ageing male mice. Brain Res 52:261-76, 30 Mar 73
*AGING/ ANIMAL EXPERIMENTS/ BRAIN, anatomy & histology/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CORPUS STRIATUM, enzymology/ CORPUS STRIATUM, metabolism/ DNA, metabolism/ DOPA, blood/ *DOPA, metabolism/ DOPA DECARBOXYLASE, analysis/ DOPAMINE, metabolism/ FLUOROMETRY/ HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ MALE/ MICE/ *NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ TRITIUM/ *TYROSINE, metabolism

1133. **Findlay JK, Buckmaster JM, Chamley WA, et al:** Release of luteinizing bormone by oestradiol-17 and a gonadotrophin-releasing hormone in ewes affected with clover disease.
Neuroendocrinology 11:57-66, 1973
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ LH, blood/ *LH, secretion/ OVULATION/ *PITUITARY GLAND, pbysiopatbology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ *SHEEP DISEASES, physiopathology/ STERILITY, FEMALE, physiopathology/ *STERILITY, FEMALE, veterinary

1134. **Fine RN, Korsch BM, Brennan LP, et al:** Renal transplantation in young children.
Am J Surg 125:559-69, May 73
AGE FACTORS/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, adverse effects/ AZATHIOPRINE, tberapeutic use/ BONE DISEASES, chemically induced/ CADAVER/ CATARACT, cbemically induced/ CHILD/ CHILD, PRESCHOOL/ EPIPHYSES, SLIPPED, etiology/ FEMALE/ FEMUR HEAD NECROSIS, chemically induced/ FEVER, etiology/ FRACTURES, SPONTANEOUS, etiology/ GRAFT REJECTION, drug effects/ GROWTH/ HISTOCOMPATIBILITY TESTING/ HUMAN/ HYPERTENSION, RENAL, etiology/ INFANT/ *KIDNEY, transplantation/ LEUKOCYTE COUNT/ MALE/ MORTALITY/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ RENAL ARTERY OBSTRUCTION, etiology/ TISSUE DONORS/ TISSUE SURVIVAL/ TRANSPLANTATION, HOMOLOGOUS

1135. **Fink JN, Sosman AJ:** Therapy of bronchial asthma.
Med Clin Nortb Am 57:801-8, May 73
AMINOPHYLLINE, adverse effects/ AMINOPHYLLINE, tberapeutic use/ ANTIBIOTICS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ ASTHMA, drug tberapy/ ASTHMA, etiology/ *ASTHMA, tberapy/ BRONCHODILATOR AGENTS, adverse effects/ BRONCHODILATOR AGENTS, therapeutic use/ DESENSITIZATION/ DISODIUM CROMOGLYCATE, therapeutic use/ EPINEPHRINE, adverse effects/ EPINEPHRINE, therapeutic use/ EXPECTORANTS, adverse effects/ EXPECTORANTS, therapeutic use/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ ISOPROTERENOL, adverse effects/ ISOPROTERENOL, tberapeutic use/ OXYGEN INHALATION THERAPY

1136. **Finkel PN, Kronenberg K, Pesce AJ, et al:** Adult Fanconi syndrome, amyloidosis and marked kappa-light chain proteinuria. Nephron 10:1-24, 1973
AMINO ACIDS, blood/ AMINO ACIDS, urine/ AMYLOIDOSIS, complications/ *AMYLOIDOSIS, pathology/ AUTOPSY/ BONE MARROW, pathology/ ELECTROPHORESIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPITHELIAL CELLS/ FANCONI SYNDROME, complications/ *FANCONI SYNDROME, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL FILTRATION/ HUMAN/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULIN FRAGMENTS, urine/ ISOELECTRIC FOCUSING/ KIDNEY TUBULES, PROXIMAL, pathology/ LIVER, patbology/ LYMPH NODES, pathology/ MIDDLE AGE/ MULTIPLE MYELOMA, immunology/ PROTEINURIA, complications/ *PROTEINURIA, pathology/ SPLEEN, pathology/ STOMACH, pathology

1137. **Finn AL, Krug EF:** Control of vasopressin stimulation of sodium transport in the toad bladder.
Am J Pbysiol 224:1018-23, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,

pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLADDER, metabolism/ BLADDER, physiology/ ELECTROPHYSIOLOGY/ POTASSIUM, pharmacodynamics/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS/ *TOADS, physiology/ *VASOPRESSIN, pharmacodynamics

1138. **Fisch IR, Freedman SH:** Oral contraceptives and the red blood cell.
Clin Pharmacol Ther 14:245-9, Mar-Apr 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ERYTHROCYTE COUNT/ *ERYTHROCYTES, drug effects/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ PARITY

1139. **Fischer AG, Lee H:** Xanthine oxidase from bovine thyroid glands. Life Sci [II] 12:267-75, 22 Mar 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY/ PEROXIDASES, antagonists & inhibitors/ SPECTROPHOTOMETRY/ THYROID GLAND, analysis/ *THYROID GLAND, enzymology/ URIC ACID, isolation & purification/ URIC ACID, pharmacodynamics/ *XANTHINE OXIDASE, isolation & purification

1140. **Fischer JA, Binswanger U, Blum JW:** The acute parathyroid hormone response to changes in ionized calcium during phosphate infusions in the cow.
Eur J Clin Invest 3:151-5, Mar 73
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ CATTLE/ FEMALE/ OSMOLAR CONCENTRATION/ *PARATHYROID GLANDS, drug effects/ *PARATHYROID HORMONE, blood/ *PHOSPHATES, pharmacodynamics/ PHOSPHORUS, blood/ TIME FACTORS

1141. **Fischer S:** Röntgenstrahlenbelastung bei geschlossener Oberschenkelverkürzungsosteotomie.
Chirurg 44:171-6, Apr 73 (Ger)
ENGLISH ABSTRACT/ FEMALE/ FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ *LEG LENGTH INEQUALITY, radiography/ LEG LENGTH INEQUALITY, surgery/ MALE/ METHODS/ MONITORING SYSTEMS/ *OSTEOTOMY/ OVARY, radiation effects/ *RADIATION DOSAGE/ *RADIATION GENETICS/ RADIATION MONITORING/ RADIATION PROTECTION/ SCROTUM, radiation effects/ TELEVISION

1142. **Fishbein L:** Natural non-nutrient substances in the food chain. Sci Total Environ 1:211-44, Nov 72 (263 ref.)
ABNORMALITIES, DRUG-INDUCED/ ALKALOIDS, poisoning/ ANIMAL EXPERIMENTS/ ARSENIC, poisoning/ CADMIUM, poisoning/ CANNABIS, poisoning/ CATTLE/ CATTLE DISEASES, chemically induced/ FEMALE/ *FOOD CONTAMINATION, analysis/ *FOOD POISONING/ FOOD POISONING, veterinary/ FUSARIUM/ GOSSYPOL, poisoning/ HUMAN/ LEAD POISONING/ MANGANESE, poisoning/ MERCURY POISONING/ METALS, poisoning/ MICE/ MYCOTOXINS, poisoning/ NEOPLASMS, chemically induced/ PENICILLIUM/ PLANT POISONING/ PREGNANCY/ PYRROLIZIDINE ALKALOIDS, poisoning/ RATS/ REVIEW/ SELENIUM, poisoning/ THYROID ANTAGONISTS, poisoning

1143. **Fishburne JI Jr, Brenner WE, Braaksma JT, et al:** Cardiovascular and respiratory responses to intravenous infusion of prostaglandin F 2 in the pregnant woman.
Am J Obstet Gynecol 114:765-72, 15 Nov 72
ABORTION, INDUCED/ ADULT/ AIRWAY RESISTANCE, drug effects/ BLOOD PRESSURE, drug effects/ CARBON MONOXIDE, blood/ CARDIAC OUTPUT, drug effects/ *CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ DYE DILUTION TECHNIC/ FEMALE/ HEART RATE, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ *PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *RESPIRATION, drug effects/ RESPIRATORY AIRFLOW, drug effects/ RESPIRATORY FUNCTION TESTS/ SPIROMETRY/ TIME FACTORS/ VITAL CAPACITY, drug effects

1144. **Fisher AB, Scarpa A, LaNoue KF, et al:** Respiration of rat lung mitochondria and the influence of Ca 2+ on substrate utilization.
Biochemistry 12:1438-45, 27 Mar 73
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CYTOSOL, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ GLYCEROPHOSPHATES, pharmacodynamics/ IN VITRO/ KINETICS/ LUNG, drug effects/ *LUNG, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ NAD, metabolism/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ RATS/ ROTENONE, pharmacodynamics/ SPECTROPHOTOMETRY/ SUCCINATES, pharmacodynamics/ TEMPERATURE

1145. **Fisher ER, Danowski TS:** Ultrastructural study of virilizing adrenocortical adenoma.
Am J Clin Pathol 59:480-9, Apr 73
ACANTHOSIS NIGRICANS, etiology/ *ADENOMA, VIRILIZING, diagnosis/ ADENOMA, VIRILIZING, surgery/ *ADRENAL GLANDS, pathology/ ADRENALECTOMY/ ADULT/ BLOOD SUGAR, analysis/ ESTROGENS, urine/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ 17-KETOSTEROIDS, urine/ MICROSCOPY, ELECTRON

1146. **Fisher RA, Harris H:** 'Secondary' isoenzymes derived from the three PGM loci.
Ann Hum Genet 36:69-77, Jul 72
AMIDES, pharmacodynamics/ CHLOROMERCURIBENZOATES/ CYSTAMINE, pharmacodynamics/ ELECTROPHORESIS, STARCH GEL/ *ERYTHROCYTES, enzymology/ FEMALE/ GLUTATHIONE, pharmacodynamics/ HUMAN/ IODOACETATES, pharmacodynamics/ *ISOENZYMES/ *LYMPHOCYTES, enzymology/ MALEATES, pharmacodynamics/ MERCAPTOETHANOL, pharmacodynamics/ *PHOSPHOGLUCOMUTASE/ *PLACENTA, enzymology

1147. **Fishman AP:** The syndrome of chronic alveolar hypoventilation.
Bull Physiopathol Respir (Nancy) 8:971-80, Sep-Oct 72
ANOXEMIA, complications/ BRAIN DISEASES, complications/ CARBON DIOXIDE, blood/ CHRONIC DISEASE/ HUMAN/ HYPOVENTILATION, etiology/ *HYPOVENTILATION, physiopathology/ KYPHOSIS, complications/ LUNG DISEASES, OBSTRUCTIVE, complications/ MYXEDEMA, complications/ OBESITY, complications/ OXYGEN, blood/ PARTIAL PRESSURE/ POLIOMYELITIS, BULBAR, complications/ *PULMONARY ALVEOLI/ SCOLIOSIS, complications

1148. **Fishman WH, Manning JP, Takeda M, et al:** Quantitation of potency of antisera to placental alkaline phosphatase by an automated immunoenzyme technique.
Anal Biochem 51:368-82, Feb 73
ACETATES/ *ALKALINE PHOSPHATASE/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ ALKALINE PHOSPHATASE, isolation & purification/ AMMONIUM SULFATE/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGEN-ANTIBODY REACTIONS/ AUTOANALYSIS/ AUTOANALYSIS, instrumentation/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FEMALE/ GEL

FILTRATION/ HEAT/ HUMAN/ *IMMUNE SERUMS, analysis/ IMMUNE SERUMS, isolation & purification/ METHODS/ *PLACENTA, enzymology/ PRECIPITATION/ PREGNANCY/ RABBITS, immunology/ ZINC

1149. **Fitch N, Carpenter S, Lachance RC:** Prenatal axonal dystrophy and osteopetrosis.
Arch Pathol 95:298-301, May 73
*AUTONOMIC NERVOUS SYSTEM/ AUTONOMIC NERVOUS SYSTEM, pathology/ AUTOPSY/ AXONS/ FEMALE/ FETAL DEATH, pathology/ HUMAN/ *NERVOUS SYSTEM DISEASES, complications/ NERVOUS SYSTEM DISEASES, pathology/ *OSTEOPETROSIS, complications/ OSTEOPETROSIS, pathology/ RADIUS, pathology

1150. **Fitzgerald PH, Pickering AF, Ferguson DN:** Depressed lymphocyte response to P.H.A. in long-term users of oral contraceptives. Lancet 1:615-6, 17 Mar 73
ADULT/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *LYMPHOCYTES/ LYMPHOCYTES, metabolism/ MIDDLE AGE/ MITOSIS/ *PLANT AGGLUTININS, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

1151. **Flax H:** A new method of determining the hormone dependence of human breast cancer.
Br J Surg 60:317-8, Apr 73
BREAST NEOPLASMS, enzymology/ *BREAST NEOPLASMS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ IN VITRO/ OXIDOREDUCTASES, analysis/ *PROLACTIN, metabolism/ *TESTOSTERONE, metabolism

1152. **Fleischer N, Wood JM:** Ouabain stimulation of 45 CA ++ accumulation in the rat pituitary.
Endocrinology 92:1555-9, May 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CARBON ISOTOPES/ CORTICOTROPIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ INULIN/ KINETICS/ MALE/ ORGAN WEIGHT/ *OUABAIN, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ RATS/ SOMATOTROPIN, metabolism/ TIME FACTORS

1153. **Fleischman AI, Lenz PH:** Lipid metabolism following triglyceride ingestion in intact and adrenalectomized rats. Lipids 8:170-6, Apr 73
*ADRENAL GLANDS, metabolism/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ DIETARY FATS, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FECES, analysis/ *LIPIDS, metabolism/ LIVER, metabolism/ MALE/ PHOSPHOLIPIDS, blood/ RATS/ *TRIGLYCERIDES, metabolism

1154. **Fletcher BL, Dillard CJ, Tappel AL:** Measurement of fluorescent lipid peroxidation products in biological systems and tissues. Anal Biochem 52:1-9, Mar 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ EVALUATION STUDIES/ FLUORESCENCE SPECTROMETRY/ HUMAN/ *LIPIDS, metabolism/ MALE/ METHODS/ MICE/ MYOCARDIUM, analysis/ *PEROXIDES, metabolism/ RATS/ STRESS, metabolism/ TESTIS, analysis

1155. **Flint LD:** Surgical exposures for adrenal endocrinopathies.
Surg Clin North Am 53:445-54, Apr 73
ADENOMA, complications/ *ADRENAL GLAND DISEASES, surgery/ *ADRENAL GLAND NEOPLASMS, surgery/ ADRENOGENITAL SYNDROME, surgery/ CUSHING'S SYNDROME, surgery/ HUMAN/ HYPERALDOSTERONISM, surgery/ PHEOCHROMOCYTOMA, surgery

1156. **Flood PF:** Endometrial differentiation in the pregnant sow and the necrotic tips of the allantochorion.
J Reprod Fertil 32:539-43, Mar 73
ANIMAL EXPERIMENTS/ *ENDOMETRIUM, cytology/ ESTRUS/ FEMALE/ *FETAL MEMBRANES, cytology/ GESTATIONAL AGE/ NECROSIS/ PLACENTA, physiology/ PREGNANCY/ *SWINE, anatomy & histology

1157. **Flores F, Naftolin F, Ryan KJ:** Aromatization of androstenedione and testosterone by rhesus monkey hypothalamus and limbic system.
Neuroendocrinology 11:177-82, 1973
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, PAPER/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ *HYPOTHALAMUS, metabolism/ IN VITRO/ *17-KETOSTEROIDS, metabolism/ *LIMBIC SYSTEM, metabolism/ *MACACA, metabolism/ MALE/ MONKEYS/ PITUITARY GLAND, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM

1158. **Floyd WS, Cohn SL:** Gonadotropin producing hepatoma. Obstet Gynecol 41:665-8, May 73
ADULT/ *ENDOCRINE DISEASES, etiology/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ *HEPATOMA, complications/ HUMAN/ *LIVER NEOPLASMS, complications/ PREGNANCY/ *PREGNANCY COMPLICATIONS

1159. **Floyd WS, Margulis RR, Woods C:** Comparative evaluation of oxytocinase and leucine amino peptidase during normal pregnancy.
Obstet Gynecol 41:553-5, Apr 73
ADOLESCENCE/ ADULT/ AMINOPEPTIDASES, blood/ *AMINOPEPTIDASES, metabolism/ FEMALE/ GESTATIONAL AGE/ HUMAN/ LEUCINE AMINOPEPTIDASE, blood/ *LEUCINE AMINOPEPTIDASE, metabolism/ OXYTOCIN/ OXYTOCIN, blood/ PLACENTA, enzymology/ *PREGNANCY/ SPECTRUM ANALYSIS

1160. **Flynn A, Pories WJ, Strain WH, et al:** Zinc deficienc with altered adrenocortical function and its relatio to delayed healing. Lancet 1:789-90, 14 Apr 7
ADMINISTRATION, ORAL/ ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLANDS, physiology/ *ADRENALECTOMY, adverse effects/ ADULT/ AGED/ COLLAGEN DISEASES, drug therapy/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ TIME FACTORS/ *WOUND HEALING, drug effects/ *ZINC, blood/ ZINC, pharmacodynamics

1161. **Flynn AM, Bertrand PV:** The value of a cervical score i the assessment of ovarian function.
J Obstet Gynaecol Br Commonw 80:152-9, Feb 7
ADULT/ BODY TEMPERATURE/ CELL NUCLEUS/ *CERVIX MUCUS/ CERVIX UTERI/ ESTRADIOL, blood/ ESTROGENS, urine/ FEMALE/ FSH, blood/ FSH, urine/ GRAAFIAN FOLLICLE/ HUMAN/ MENSTRUATION/ *OVULATION/ PROGESTERONE, blood

1162. **Földes J, Gyertyánfy G, Tako J, et al:** Factor influencing the relationship between labelled triiodothyronine and thyroxine levels in the serum o patients with Graves' disease.
Endokrinologie 61:52-64, 1973
AUTOANTIBODIES, analysis/ CHRONIC DISEASE/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, analysis/ METHIMAZOLE, therapeutic use/ PROTEIN BINDING/ THYROIDITIS, LYMPHOMATOUS, blood/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood

1163. **Folkner M:** O patologanatomicheskom substrat visochnof épilepsii.
Zh Nevropatol Psikhiatr 72:1506-12, 1972 (Ru
AMYGDALOID BODY, pathology/ BRAIN NEOPLASMS, complications/ BRAIN

NEOPLASMS, pathology/ CEREBROVASCULAR CIRCULATION/ CICATRIX/ CONVULSIONS, complications/ CONVULSIONS, etiology/ ENGLISH ABSTRACT/ EPILEPSY, TEMPORAL LOBE, etiology/ *EPILEPSY, TEMPORAL LOBE, pathology/ EPILEPSY, TEMPORAL LOBE, surgery/ FEVER, complications/ HAMARTOMA, complications/ HAMARTOMA, pathology/ HUMAN/ INFARCTION/ SCLEROSIS/ *TEMPORAL LOBE, pathology

1164. **Fonberg E:** Control of emotional bebaviour through tbe hypothalamus and amygdaloid complex.
Ciba Found Symp 8:131-50, 1972
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ APPETITE/ APPETITE DISORDERS, etiology/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ CONDITIONING, OPERANT/ CONDITIONING (PSYCHOLOGY)/ DEFENSE MECHANISMS/ DEPRESSION/ DOGS/ *EMOTIONS/ FEEDBACK/ FEEDING BEHAVIOR/ FOOD PREFERENCES/ *HYPOTHALAMUS, physiology/ MOTIVATION/ NEUROSES, etiology/ NOMENCLATURE/ OBESITY, etiology/ REINFORCEMENT (PSYCHOLOGY)/ VOMITING, etiology

1165. **Fontaine YA, Salmon C, Fontaine-Bertrand E, et al:** Comparison of the activities of two purified fish gonadotropins on adenyl cyclase activity in tbe goldfisb ovary. Can J Zool 50:1673-6, Dec 72
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *CYPRINIDAE/ *GONADOTROPINS, pharmacodynamics/ *OVARY, enzymology/ *SALMONIDAE

1166. **Fontana VJ:** The diagnosis of the maltreatment syndrome in cbildren.
Pediatrics 51:Suppl 4:780-2, Apr 73
BONE AND BONES, injuries/ BONE AND BONES, radiography/ CHILD/ *CHILD ABUSE/ CHILD BEHAVIOR/ CHILD CARE/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MEDICAL HISTORY TAKING/ NEW YORK CITY/ PARENTS/ WOUNDS AND INJURIES, diagnosis

1167. **Ford PJ, Southern EM:** Different sequences for 5S RNA in kidney cells and ovaries of Xenopus laevis.
Nature [New Biol] 241:7-12, 3 Jan 73
BASE SEQUENCE/ ELECTROPHORESIS/ GEL FILTRATION/ GENES, STRUCTURAL/ GENETIC CODE/ HELA CELLS, analysis/ *KIDNEY, analysis/ *NUCLEOTIDES, analysis/ *OVARY, analysis/ PHOSPHORUS ISOTOPES/ RIBONUCLEASE, metabolism/ *RNA, analysis/ RNA, biosynthesis/ RNA, metabolism/ RNA, NEOPLASM, analysis/ RNA, RIBOSOMAL, analysis/ TRANSCRIPTION, GENETIC/ XENOPUS

1168. **Forer A, Koch C:** Influence of autosome movements and of sex-chromosome movements on sex-chromosome segregation in crane fly spermatocytes. Chromosoma 40:417-42, 1973
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ CYTOGENETICS/ *DIPTERA/ GENETIC TECHNICS/ MALE/ MEIOSIS/ MICROMANIPULATION/ MICROSCOPY, PHASE CONTRAST/ MICROSCOPY, POLARIZATION/ *SEX CHROMOSOMES/ *SPERMATOZOA/ TIME FACTORS

1169. **Foret JE:** Stimulation and retardation of limb regeneration by adenosine 3',5'-monopbosphate and related compounds. Oncology 27:153-9, 1973
ACETYLCHOLINE, pbarmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ DENERVATION/ EPITHELIUM, physiology/ FORELIMB, innervation/ *FORELIMB, physiology/ HYPERPLASIA, chemically induced/ IMIDAZOLES, pharmacodynamics/ INFLAMMATION, chemically induced/ METHODS/ MITOSIS, drug effects/ *REGENERATION, drug effects/ SALAMANDERS/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

1170. **Forgács I:** Erfahrungen mit Pancuroniumbromid (Pancuronium "Organon") an Alterspatienten.
Z Allgemeinmed 49:387-8, 20 Mar 73 (Ger)
AGE FACTORS/ AGED/ *ANDROSTANES/ *ANESTHESIA, GENERAL/ BLOOD PRESSURE, drug effects/ *CURARE-LIKE AGENTS/ FEMALE/ HEART, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ PANCURONIUM/ RESPIRATORY SYSTEM, drug effects

1171. **Forsberg JG:** Cervicovaginal epithelium: its origin and development.
Am J Obstet Gynecol 115:1025-43, 1 Apr 73 (106 ref.)
ANIMAL EXPERIMENTS/ ANTIGENS/ CELL DIFFERENTIATION/ *CERVIX UTERI, anatomy & histology/ CERVIX UTERI, embryology/ CERVIX UTERI, immunology/ EPITHELIAL CELLS, enzymology/ EPITHELIUM, drug effects/ EPITHELIUM, embryology/ EPITHELIUM, growth & development/ ESTRADIOL, pharmacodynamics/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MITOSIS/ MULLERIAN DUCTS/ REVIEW/ *VAGINA, anatomy & histology/ VAGINA, embryology/ VAGINA, immunology

1172. **Forsman B, Ericsson Y:** Fluorexposition genom fluorrikt dricksvatten och het industrimiljö vid ett småländskt glasbruk.
Nord Hyg Tidskr 54:6-11, 1973 (Swe)
ADULT/ BONE AND BONES, metabolism/ BONE DISEASES, chemically induced/ DRINKING BEHAVIOR/ ENGLISH ABSTRACT/ FLUORIDES, adverse effects/ FLUORIDES, metabolism/ *FLUORIDES, urine/ GLASS/ *HEAT/ HUMAN/ *INDUSTRIAL MEDICINE/ MALE/ MIDDLE AGE/ SWEDEN/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE

1173. **Förster W:** Prostaglandine und Herz-Kreislaufkrankheiten.
Dtsch Gesundheitsw 27:2264-71, 30 Nov 72 (80 ref.) (Ger)
ADOLESCENCE/ ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ ARTERIOSCLEROSIS, metabolism/ BLOOD COAGULATION DISORDERS, metabolism/ CARDIOVASCULAR DISEASES, enzymology/ *CARDIOVASCULAR DISEASES, metabolism/ CATECHOLAMINES, metabolism/ CHEMISTRY/ CHILD/ CHOLESTEROL, metabolism/ CORONARY DISEASE, metabolism/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FATTY ACIDS, ESSENTIAL, metabolism/ FATTY ACIDS, UNSATURATED, metabolism/ HUMAN/ HYPERTENSION, physiopathology/ KIDNEY, physiopathology/ LIPASE, metabolism/ MIDDLE AGE/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ REVIEW/ TRIGLYCERIDES, metabolism

1174. **Forstner G, Shih M, Lukie B:** Cyclic AMP and intestinal glycoprotein synthesis: the effect of -adrenergic agents, theophylline, and dibutyryl cyclic AMP.
Can J Physiol Pharmacol 51:122-9, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ GLUCOSAMINE, metabolism/ *GLYCOPROTEINS, biosynthesis/ IN VITRO/ INTESTINAL MUCOSA, drug effects/ INTESTINE, SMALL, drug effects/ *INTESTINES, metabolism/ ISOPROTERENOL, pharmacodynamics/ MALE/ RATS/

SUBCELLULAR FRACTIONS, metabolism/ *THEOPHYLLINE, pharmacodynamics

1175. **Forte LR:** Effect of mineralocorticoid agonists and antagonists on binding of 3 H-aldosterone to adrenalectomized rat kidney plasma membranes.
Life Sci [I] 11:461-73, 15 May 72
ADRENALECTOMY/ ALDOSTERONE, antagonists & inhibitors/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE, drug effects/ *CELL MEMBRANE, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FLUDROCORTISONE, pharmacodynamics/ IN VITRO/ *KIDNEY, metabolism/ MALE/ *MINERALOCORTICOIDS, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ PROTEIN BINDING, drug effects/ RATS/ RECEPTORS, HORMONE, drug effects/ *SPIRONOLACTONE, pharmacodynamics/ SUBCELLULAR FRACTIONS, metabolism/ TESTOSTERONE, pharmacodynamics/ TRITIUM

1176. **Fortuyn JD:** On the state of the nervous system.
Psychiatr Neurol Neurochir 76:1-7, Jan-Feb 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ ELECTRIC STIMULATION/ *HABITUATION (PSYCHOPHYSIOLOGY)/ HUMAN/ INSECTS, physiology/ NERVOUS SYSTEM, drug effects/ *NERVOUS SYSTEM, physiology/ NEURAL TRANSMISSION/ SYNAPSES, physiology/ TETANY

1177. **Foss DC, Carew LB Jr, Arnold EL:** Physiological development of cockerels as influenced by selected wavelengths of environmental light.
Poult Sci 51:1922-7, Nov 72
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CHICKENS, growth & development/ COMB AND WATTLES, analysis/ COMB AND WATTLES, anatomy & histology/ DARKNESS/ ENVIRONMENT, CONTROLLED/ ENVIRONMENTAL EXPOSURE/ *LIGHT/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ TESTIS, anatomy & histology

1178. **Foss GL, Tindall VR, Birkett JP:** The treatment of subfertile men with clomiphene citrate.
J Reprod Fertil 32:167-70, Jan 73
ADULT/ BIOPSY/ CELL COUNT/ CLINICAL RESEARCH/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PLACEBOS/ SPERMATOGENESIS/ SPERMATOZOA/ *STERILITY, MALE, drug therapy/ TESTIS, anatomy & histology

1179. **Fournier A:** Hypertension rénovasculaire: les conditions de la supériorité du traitement chirurgical et leurs conséquences sur les indications des diverses investigations diagnostiques.
Sem Hop Paris 49:329-39, 26 Jan 73 (Fre)
ANGIOGRAPHY/ ARTERIOSCLEROSIS, complications/ ENGLISH ABSTRACT/ HYPERTENSION, RENAL, etiology/ *HYPERTENSION, RENAL, therapy/ ISCHEMIA, etiology/ KIDNEY CONCENTRATING ABILITY/ PROGNOSIS/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENAL ARTERY OBSTRUCTION, etiology/ *RENAL ARTERY OBSTRUCTION, surgery/ RENIN, blood

1180. **Fournier-Delpech S:** Premiers résultats sur l'électrophorèse des protéines de l'épididyme du rat impubère. C R Soc Biol (Paris) 166:1174-5, 1972 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *EPIDIDYMIS, analysis/ EPIDIDYMIS, drug effects/ ESTRADIOL, pharmacodynamics/ *GLYCOPROTEINS, analysis/ MALE/ NEURAMINIC ACIDS, analysis/ *PUBERTY/ RATS/ SEMEN, analysis/ SPERMATOGENESIS/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

1181. **Fowler AK, McConahey PJ, Hellman A:** Brief communication: strain dependency of hormonally activated C-type RNA tumor virus markers in mice.
J Natl Cancer Inst 50:1057-9, Apr 73
ANIMAL EXPERIMENTS/ *ANTIGENS, VIRAL/ CASTRATION/ *DNA NUCLEOTIDYL-TRANSFERASES, metabolism/ ENZYME INDUCTION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ MICE, INBRED STRAINS/ *MOUSE TUMOR VIRUSES/ OVARY/ REVERSE TRANSCRIPTASE, metabolism/ SPECIES SPECIFICITY/ *UTERUS, enzymology/ UTERUS, immunology

1182. **Fowler PB, Swale J, Andrews H, et al:** Grades of hypothyroidism.
Br Med J 2:178, 21 Apr 73
GOITER/ HUMAN/ HYPERCHOLESTEREMIA, classification/ HYPERTHYROIDISM, classification/ *HYPOTHYROIDISM, classification/ THYROTROPIN, pharmacodynamics

1183. **Fraga JR, Mirza AM, Reichelderfer TE:** Association of pulmonary hypoplasia, renal anomalies, and Potter's facies.
Clin Pediatr (Phila) 12:150-3, Mar 73
BLADDER, abnormalities/ CRYPTORCHISM, complications/ EAR, EXTERNAL, abnormalities/ *FACIAL EXPRESSION/ HUMAN/ INFANT, NEWBORN/ *KIDNEY, abnormalities/ KIDNEY, POLYCYSTIC, complications/ *LUNG, abnormalities/ MALE/ *MICROGNATHISM, complications/ *NOSE DEFORMITIES, complications

1184. **Fragu P, Thouin A, Bazin JP, et al:** Comparaison de la valeur diagnostique de différents tests fonctionnels thyroïdiens. Intérêt de l'utilisation des fonctions discriminates.
Ann Endocrinol (Paris) 33:5-22, Jan-Feb 72 (Fre)
ANKLE/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE, blood/ IODINE, urine/ MALE/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ REFLEX, TENDON/ *STATISTICS/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS

1185. **Fraioli F, D'Ottavio G, Conte D, et al:** Radioimmunoassay of plasma and urinary gonadotrophins (FSH and LH) in subjects with impaired renal function.
Folia Endocrinol (Roma) 26:1-7, Feb 73 (Ger)
ENGLISH ABSTRACT/ FSH, blood/ *FSH, metabolism/ FSH, urine/ GLOMERULONEPHRITIS, metabolism/ HEMODIALYSIS/ HUMAN/ KIDNEY CALCULI, metabolism/ *KIDNEY DISEASES, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, therapy/ KIMMELSTIEL-WILSON SYNDROME, metabolism/ LH, blood/ *LH, metabolism/ LH, urine/ METABOLIC CLEARANCE RATE/ RADIOIMMUNOASSAY

1186. **Francis BM:** Influence of sex-linked genes on embryonic sensitivity to cortisone in three strains of mice.
Teratology 7:119-25, Apr 72
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ CLEFT LIP, familial & genetic/ CLEFT PALATE, familial & genetic/ *CORTISONE/ FEMALE/ FETAL DEATH/ *GENES/ INBREEDING/ *LINKAGE (GENETICS), drug effects/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ PREGNANCY/ PROBABILITY/ SEX CHARACTERISTICS/ *SEX CHROMOSOMES, drug effects

1187. **Francis CM:** Effect of graded doses of thyroxine on the plasma TSH levels in mice.
Indian J Physiol Pharmacol 16:215-8, Jul-Sep 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DEPRESSION, CHEMICAL/ FEMALE/ MICE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ SECRETORY RATE, drug effects/

STIMULATION, CHEMICAL/ THYROTROPIN, biosyntbesis/ *THYROTROPIN, blood/ THYROTROPIN, secretion/ *THYROXINE, administration & dosage/ THYROXINE, pbarmacodynamics

1188. **Francis MJ, Mowat AG, Smith R:** Effects of D(-) penicillamine on polymeric structural collagen of skin. Lancet 1:773-4, 7 Apr 73
*ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, metabolism/ COLLAGEN, analysis/ *COLLAGEN, metabolism/ HUMAN/ *PENICILLAMINE, therapeutic use/ PREDNISOLONE, tberapeutic use/ *SKIN, drug effects/ SKIN, metabolism

1189. **Franckson JR, Ooms HA, Arnould Y:** Tbe role of tbe filtration process in tbe renal catabolism of labelled insulin. Rev Eur Etud Clin Biol 17:965-9, Dec 72
ANIMAL EXPERIMENTS/ CREATININE, metabolism/ DOGS/ FEMALE/ *GLOMERULAR FILTRATION RATE/ INSULIN, blood/ *INSULIN, metabolism/ INSULIN, urine/ IODINE, metabolism/ IODINE ISOTOPES/ *KIDNEY, metabolism/ KIDNEY, physiology/ METABOLIC CLEARANCE RATE/ MOLECULAR WEIGHT/ RENAL VEINS

1190. **François J, Goes F:** Kyste dermoide de l'orbite. Bull Soc Beige Opbtalmol 161:738-48, 1972 (Fre)
ADOLESCENCE/ BIOPSY/ DERMOID CYST, complications/ DERMOID CYST, diagnosis/ *DERMOID CYST, diagnosis/ DERMOID CYST, radiography/ EDEMA, etiology/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, diagnosis/ *ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, radiography/ TOMOGRAPHY, RADIOGRAPHIC/ ULTRASONICS

1191. **Frangenheim H:** On tbe development of gynecologic laparoscopy. A recording of buman ovulation. J Reprod Med 10:227-9, May 73
FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ *LAPAROSCOPY/ *OVULATION/ POSTOPERATIVE COMPLICATIONS

1192. **Fraser DR, Kodicek E:** Regulation of 25-bydroxycbolecalciferol-1-bydroxylase activity in kidney by paratbyroid bormone. Nature [New Biol] 241:163-6, 7 Feb 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CHICKENS/ ENZYME ACTIVATION/ ENZYME ACTIVATION, drug effects/ HOMEOSTASIS/ HYDROXYCHOLECALCIFEROL/ HYDROXYCHOLECALCIFEROL, analysis/ *HYDROXYCHOLECALCIFEROL, metabolism/ *HYDROXYLASES, metabolism/ INTESTINAL MUCOSA, analysis/ INTESTINE, SMALL, metabolism/ KIDNEY, cytology/ *KIDNEY, enzymology/ MITOCHONDRIA, enzymology/ *PARATHYROID HORMONE, physiology/ PARATHYROID HORMONE, secretion/ TRITIUM/ ULTIMOBRANCHIAL BODY, physiology/ VITAMIN D DEFICIENCY, metabolism

1193. **Fraser GR:** The implications of prevention and treatment of inherited disease for tbe genetic future of mankind. J Genet Hum 20:185-205, Sep 72
ABORTION/ CHROMOSOME ABERRATIONS/ ETHICS, MEDICAL/ EUGENICS/ *GENETIC COUNSELING/ *GENETIC INTERVENTION/ GENOTYPE/ HETEROZYGOTE/ HUMAN/ INSEMINATION, ARTIFICIAL/ PREGNANCY/ *PRENATAL DIAGNOSIS/ SEX CHROMOSOMES

1194. **Fraser IS, Baird DT, Cockburn F:** Ovarian venous blood PO 2 , PCO 2 and pH in women. J Reprod Fertil 33:11-7, Apr 73
ADULT/ ARTERIES/ BODY FLUIDS, metabolism/ *CARBON DIOXIDE, blood/ ENDOMETRIAL HYPERPLASIA, blood/ ENDOMETRIUM, pathology/ ENDOMETRIUM, secretion/ FEMALE/ GRAAFIAN FOLLICLE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ *HYDROGEN-ION CONCENTRATION/ MENSTRUATION DISORDERS, blood/ MIDDLE AGE/ *OVARY, blood supply/ OVARY, metabolism/ *OXYGEN, blood/ OXYGEN CONSUMPTION/ REGIONAL BLOOD FLOW/ VEINS

1195. **Frasier SD:** Androgens and athletes. Am J Dis Child 125:479-80, Apr 73
ADOLESCENCE/ AGE FACTORS/ *ANABOLIC STEROIDS, adverse effects/ *ANDROGENS, adverse effects/ BONE AND BONES, drug effects/ *ENDOCRINE DISEASES, chemically induced/ GROWTH DISORDERS, cbemically induced/ HUMAN/ LIBIDO, drug effects/ LIVER DISEASES, cbemically induced/ MALE/ MUSCLES, drug effects/ OBESITY, cbemically induced/ PITUITARY GLAND, pbysiopatbology/ PUBERTY/ *SPORT MEDICINE/ *STERILITY, MALE, chemically induced/ TESTIS, drug effects/ THYROID GLAND, drug effects

1196. **Frayha RA, Nassar VH, Dagher F, et al:** Familial parathyroid carcinoma. J Med Liban 25:299-309, 1972
ADENOMA, familial & genetic/ ADENOMA, patbology/ ADULT/ *CARCINOMA, familial & genetic/ CARCINOMA, pathology/ FEMALE/ HUMAN/ MALE/ *PARATHYROID NEOPLASMS, familial & genetic/ PARATHYROID NEOPLASMS, pathology

1197. **Free MJ, Jaffe RA:** Effect of prostaglandins on blood flow and pressure in tbe conscious rat. Prostaglandins 1:483-98, Jun 72
ANIMAL EXPERIMENTS/ ARTERIES/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ INJECTIONS/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ MALE/ METHODS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ TESTIS, blood supply/ VEINS/ VENOUS PRESSURE, drug effects

1198. **Free MJ, Kien ND:** Venous arterial interactions involving serotonin in the pampiniform plexus of tbe rat. Proc Soc Exp Biol Med 143:284-8, May 73
ANIMAL EXPERIMENTS/ *BLOOD CIRCULATION, drug effects/ BLOOD PRESSURE, drug effects/ MALE/ RATS/ *SEROTONIN, blood/ SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ *SPERMATIC CORD, blood supply/ SPERMATIC CORD, drug effects/ *TESTIS, blood supply/ TESTIS, drug effects

1199. **Freeman AG:** Thiocyantate metabolism in buman vitamin B 12 deficiency. Br Med J 1:675, 17 Mar 73
FEMALE/ HUMAN/ MALE/ METABOLISM, INBORN ERRORS, complications/ NEUROLOGIC MANIFESTATIONS/ SEX FACTORS/ *THIOCYANATES, metabolism/ *VITAMIN B 12 DEFICIENCY, metabolism

1200. **Freeman R, King B, Kite P:** Serial nitrobiue tetrazolium tests in tbe management of infection. J Clin Pathol 26:57-9, Jan 73
ADULT/ AMPICILLIN, tberapeutic use/ ANTIBIOTICS, tberapeutic use/ BACTERIAL INFECTIONS, diagnosis/ *BACTERIAL INFECTIONS, therapy/ BACTERIOLOGICAL TECHNICS/ BACTERIURIA, diagnosis/ BACTERIURIA, drug tberapy/ CEPHALORIDINE, therapeutic use/ CYTOMEGALIC INCLUSION DISEASE, diagnosis/ FEMALE/ HUMAN/ MALE/ METHODS/ NEUTROPHILS/ PREGNANCY/ SEPTICEMIA, diagnosis/ SEPTICEMIA, drug therapy/ SERODIAGNOSIS/ STEROIDS, tberapeutic use/ SURGICAL WOUND INFECTION, diagnosis/ *TETRAZOLIUM SALTS, diagnostic use/ TIME FACTORS

1201. **Freese AS:** The dentist who made a million. 2.

Tic 32:7-10 conci, Feb 73
BONE AND BONES, surgery/ DENTISTS/ SPECIAL LIST DENTAL/ SURGERY, ORAL/ SURGICAL INSTRUMENTS

1202. **Freier DT, Harrison TS:** Rigorous biocbemical criteria for tbe diagnosis of pbeocbromocytoma.
J Surg Res 14:177-80, Mar 73
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, urine/ EPINEPHRINE, urine/ FALSE POSITIVE REACTIONS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, urine/ METHODS/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHENETHYLAMINES, urine/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, urine/ TIME FACTORS

1203. **French FS, Ritzén EM:** Androgen-binding protein in efferent duct fluid of rat testis.
J Reprod Fertil 32:479-83, Mar 73
*ANDROGENS/ ANIMAL EXPERIMENTS/ BINDING SITES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MALE/ *PROTEIN BINDING/ PROTEINS, analysis/ RATS/ *SEMEN, analysis/ SPERMATOZOA/ *TESTIS/ TESTOSTERONE/ TRITIUM

1204. **Frenkel G, Kraicer PF:** Evaluation of tests for latent diabetes in tbe sand rat and rat.
Acta Endocrinol (Kbb) 72:727-36, Apr 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ GLUCOSE TOLERANCE TEST/ HEPTOSES, diagnostic use/ HYDROCORTISONE, diagnostic use/ INSULIN, diagnostic use/ MALE/ MANNOSE/ *PREDIABETIC STATE, metabolism/ RATS/ TOLBUTAMIDE, diagnostic use

1205. **Frenkel' GM, Zarubina NA:** Sravnitel'naia kharakteristika EEG bol'nykb s sindromom Sberesbevskogo-Ternera i gipofizarnym nanizmom.
Probl Endokrinol (Mosk) 19:40-5, Jan-Feb 73 (Rus)
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, PITUITARY, diagnosis/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *TURNER'S SYNDROME, diagnosis

1206. **Frey H:** Bøor man gi ACTH etter avsluttet behandling med kortikosteroider.
Tidsskr Nor Laegeforen 92:2098-9, 10 Nov 72 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLANDS, drug effects/ *CORTICOTROPIN, pharmacodynamics/ HUMAN/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, drug effects

1207. **Fried K, Sanger R:** Possible linkage between Xg and tbe locus for a gene causing mental retardation witb or witbout bydrocephalus. J Med Genet 10:17-8, Mar 73
FEMALE/ GENES/ HUMAN/ *HYDROCEPHALUS, familial & genetic/ *LINKAGE (GENETICS)/ MALE/ *MENTAL RETARDATION, familial & genetic/ PEDIGREE/ RECOMBINATION, GENETIC/ *SEX CHROMOSOMES

1208. **Friedlander RL:** Tbe treatment of endometriosis witb Danazol. J Reprod Med 10:197-9, Apr 73
ACNE, chemically induced/ ADULT/ ALKYNES, adverse effects/ ALKYNES, tberapeutic use/ DRUG HYPERSENSITIVITY/ EDEMA, cbemically induced/ ENDOMETRIOSIS, diagnosis/ *ENDOMETRIOSIS, drug tberapy/ FEMALE/ GONADOTROPINS, blood/ HUMAN/ HYDROXYSTEROIDS, adverse effects/ HYDROXYSTEROIDS, tberapeutic use/ LAPAROSCOPY/ LAPAROTOMY/ OXAZOLES, adverse effects/ OXAZOLES, tberapeutic use/ PITUITARY GLAND, drug effects/ PREGNADIENES, adverse effects/ *PREGNADIENES, tberapeutic use

1209. **Friedman E, Gershon S:** L-DOPA: centrally mediated emission of seminal fluid in male rats.
Life Sci [I] 11:435-40, 1 May 72
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CYPROHEPTADINE, pharmacodynamics/ *DOPA, pharmacodynamics/ DOPA DECARBOXYLASE, antagonists & inhibitors/ DOPAMINE, pharmacodynamics/ *EJACULATION, drug effects/ HALOPERIDOL, pharmacodynamics/ *HYDRAZINES, pharmacodynamics/ HYPOPHYSECTOMY/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ MELATONIN, pharmacodynamics/ METHYLDOPAHYDRAZINE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *SEMEN, drug effects/ SEROTONIN, pharmacodynamics/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics

1210. **Friedman E, Starr N, Gershon S:** Catecbolamine synthesis and tbe regulation of food intake in the rat.
Life Sci [I] 12:317-26, 1 Apr 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, analysis/ *CATECHOLAMINES, biosyntbesis/ DOPA, pharmacodynamics/ DOPAMINE, physiology/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ *FEEDING BEHAVIOR/ FLUORESCENCE SPECTROMETRY/ FOOD DEPRIVATION/ HYPOTHALAMUS, pbysiology/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SYMPATHETIC NERVOUS SYSTEM, pbysiology/ THIOCARBAMATES, pharmacodynamics/ TIME FACTORS

1211. **Friedman GL:** Radiologic manifestations of mongolism.
J Am Osteopatb Assoc 72:619-27, Feb 73
AGE DETERMINATION BY SKELETON/ BONE AND BONES, radiography/ CHILD, PRESCHOOL/ CYSTIC FIBROSIS, complications/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ INFANT/ MONGOLISM, complications/ MONGOLISM, familial & genetic/ MONGOLISM, occurrence/ *MONGOLISM, radiography/ SEX CHROMOSOME ABNORMALITIES/ UNITED STATES

1212. **Friedrich F, Kemeter P:** Die Aussagekraft der weiblicben Pregnandiolausscbeidungskurve.
Wien Klin Wocbenschr 85:262-5, 18 May 73 (Ger)
ADULT/ AMENORRHEA, etiology/ AMENORRHEA, urine/ CHROMATOGRAPHY, THIN LAYER/ CLOMIPHENE, pharmacodynamics/ CORPUS LUTEUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ HYPOTHYROIDISM, complications/ MENOPAUSE/ MIDDLE AGE/ OVULATION, drug effects/ *PREGNANEDIOL, urine/ PUBERTY

1213. **Friedrichs D, Schoner W:** Stimulation of renal gluconeogenesis by inhibition of the sodium pump.
Biochim Biophys Acta 304:142-60, 30 Mar 73
ACETOACETATES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BUTYRATES, pharmacodynamics/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ GLYCOLYSIS, drug effects/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, metabolism/ MALE/ OUABAIN, pharmacodynamics/ POTASSIUM, metabolism/ PYRUVATES, metabolism/ RATS/ *SODIUM, metabolism

1214. **Fries JF, Lindgren JA, Bull JM:** Scleroderma-like lesions and the carcinoid syndrome.
Arch Intern Med 131:550-3, Apr 73
BIOPSY/ EDEMA, etiology/ HUMAN/ LEG DERMATOSES, etiology/ LIVER, pathology/ LIVER NEOPLASMS, complications/ MALE/ *MALIGNANT CARCINOID SYNDROME, complications/ MALIGNANT CARCINOID SYNDROME, diagnosis/ MALIGNANT CARCINOID SYNDROME, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ SCLERODERMA, CIRCUMSCRIBED, diagnosis/ *SCLERODERMA, CIRCUMSCRIBED, etiology/ SCLERODERMA, CIRCUMSCRIBED, pathology/ SEROTONIN, diagnostic use/ SKIN, pathology/ SKIN TESTS

1215. **Fritz G, Hubmer G:** Thrombophlebitis der V. ovarica dextra post partum: Chirurgische Diagnose mit konservativer Therapie.
Zentralbl Chir 98:212-5, 9 Feb 73 (Ger)
ADULT/ ANTICOAGULANTS, therapeutic use/ APPENDICITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ OVARY, blood supply/ PREGNANCY/ PUERPERAL DISORDERS, diagnosis/ PUERPERAL DISORDERS, drug therapy/ *PUERPERAL DISORDERS, therapy/ THROMBOPHLEBITIS, diagnosis/ THROMBOPHLEBITIS, drug therapy/ *THROMBOPHLEBITIS, therapy

1216. **Fritzsche K:** Experimentelle Untersuchungen über die Empfänglichkeit leukoseresistenter Küken für das Osteopetrose-Virus.
Zentralbl Veterinaermed [B] 19:832-9, Dec 72 (Ger)
ANIMAL EXPERIMENTS/ *AVIAN LEUKOSIS, immunology/ CHICK EMBRYO/ CHICKENS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ *ONCOGENIC VIRUSES, pathogenicity/ OSTEOPETROSIS, immunology/ *OSTEOPETROSIS, veterinary/ *POULTRY DISEASES, immunology

1217. **Froelicher VF Jr:** Dietary prevention of atherosclerosis. Am Fam Physician 7:79-85, Mar 73
ARTERIOSCLEROSIS, etiology/ *ARTERIOSCLEROSIS, prevention & control/ CHOLESTEROL, blood/ *CHOLESTEROL, DIETARY/ *DIET/ DIET, ATHEROGENIC/ DIETARY FATS, administration & dosage/ HUMAN/ HYPERCHOLESTEREMIA, complications/ HYPERTENSION, complications/ SMOKING, complications/ SODIUM CHLORIDE, administration & dosage/ VITAMIN D, administration & dosage

1218. **Froget J, Guerre J, Pergola F, et al:** Les hémorragies médicamenteuses explorées par oeso-gastrocopie d'urgence.
Ann Gastroenterol Hepatol (Paris) 8:361-7, Jul-Sep 72 (Fre)
ADRENAL CORTEX HORMONES, adverse effects/ AGED/ AMINOPYRINE, adverse effects/ ANTICOAGULANTS, adverse effects/ ASPIRIN, adverse effects/ EMERGENCIES/ ENGLISH ABSTRACT/ ESOPHAGOSCOPY/ FEMALE/ FIBER OPTICS/ GASTRITIS, diagnosis/ GASTROSCOPY/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ *HEMORRHAGE, GASTROINTESTINAL, diagnosis/ HUMAN/ MALE/ PEPTIC ULCER, diagnosis

1219. **Frohlich AA, Marquardt RR:** Cyclic AMP levels in various tissues of the domestic fowl (Gallus domesticus) as affected by glucagon, epinephrine and insulin. Biochim Biophys Acta 286:396-405, 29 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *CHICKENS, metabolism/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, pharmacodynamics/ GLUCAGON, administration & dosage/ *GLUCAGON, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ LIVER, analysis/ MALE/ MUSCLES, analysis/ TIME FACTORS/ TRITIUM

1220. **Frohmüller H:** Hodentumoren.
Med Klin 68:427-32, 6 Apr 73 (15 ref.) (Ger)
ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION/ CRYPTORCHISM, complications/ DIAGNOSIS, DIFFERENTIAL/ *DISGERMINOMA/ DISGERMINOMA, classification/ DISGERMINOMA, diagnosis/ DISGERMINOMA, etiology/ DISGERMINOMA, occurrence/ DISGERMINOMA, pathology/ DISGERMINOMA, therapy/ GERMANY, WEST/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PROGNOSIS/ REVIEW/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, etiology/ TESTICULAR NEOPLASMS, occurrence/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, therapy

1221. **Frosch B:** Zur therapie der chronischen hepatitis.
Dtsch Med J 23:655-7, 10 Nov 72 (Ger)
CHRONIC DISEASE/ GLUCOCORTICOIDS, therapeutic use/ *HEPATITIS, drug therapy/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PENICILLAMINE, therapeutic use

1222. **Fruhmann G:** Hypersomnia with primary hypoventilation syndrome and following cor pulmonale (Ondine's curse syndrome).
Bull Physiopathol Respir (Nancy) 8:1173-9, Sep-Oct 72
ADULT/ ANESTHESIA, GENERAL, adverse effects/ ANOXIA, complications/ *APPETITE DISORDERS, complications/ BLOOD PRESSURE DETERMINATION/ BODY WEIGHT/ CASE REPORT/ *DIABETES INSIPIDUS, complications/ HEART CATHETERIZATION/ HUMAN/ HYPERCAPNIA, complications/ HYPERTENSION, PULMONARY, etiology/ *HYPOVENTILATION, complications/ LUNG, blood supply/ MALE/ PULMONARY CIRCULATION/ PULMONARY HEART DISEASE, etiology/ *PULMONARY HEART DISEASE, etiology/ *SLEEP DISORDERS, complications

1223. **Fryberg M, Oehlschlager AC, Unrau AM:** Formation of a 5 hydroxy sterol by Saccharomyces cerevisiae.
Biochem Biophys Res Commun 51:219-22, 5 Mar 73
AEROBIOSIS/ ANAEROBIOSIS/ CARBON ISOTOPES/ ERGOSTEROL, metabolism/ *SACCHAROMYCES CEREVISIAE, metabolism/ *STEROLS, biosynthesis/ TRITIUM/ *VITAMIN D, biosynthesis

1224. **Frydman R, Geffen LB:** Depletion and repletion of adrenal dopamine- -hydroxylase after reserpine. Immunohistochemical and fine structural correlates.
J Histochem Cytochem 21:166-74, Feb 73
ADRENAL MEDULLA, cytology/ *ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES/ CHROMAFFIN SYSTEM, cytology/ *DOPAMINE BETA HYDROXYLASE, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ MICROSCOPY, ELECTRON/ *RESERPINE, pharmacodynamics/ SHEEP/ STAINS AND STAINING

1225. **Frymoyer JW, Bland J:** Carpal-tunnel syndrome in patients with myxedematous arthropathy.
J Bone Joint Surg [Am] 55:78-82, Jan 73
ADULT/ AGED/ ARTHRITIS, RHEUMATOID, diagnosis/ *CARPAL TUNNEL SYNDROME, etiology/ DIABETIC NEUROPATHIES, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *JOINT DISEASES, complications/ KNEE JOINT/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *MYXEDEMA, complications/ MYXEDEMA, diagnosis/ TENOSYNOVITIS, complications/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ TUBERCULOSIS, complications/ WRIST JOINT

1226. **Fuchs AR, Mok E:** Prostaglandin effects on rat pregnancy. II. Interruption of pregnancy.
Fertil Steril 24:275-83, Apr 73
*ABORTION, VETERINARY, chemically induced/ ANIMAL EXPERIMENTS/ ESTRADIOL, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ LH, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *RATS, physiology/ RATS, INBRED STRAINS/ UTERUS, drug effects/ VASOPRESSIN, pharmacodynamics

1227. **Fuertes-de la Haba A, Pelegrina I, Bangdiwala I8, et al:** Changing patterns in cervical cytology among oral and non-oral contraceptive users.
J Reprod Med 10:3-10, Jan 73
ADULT/ *CERVIX UTERI, drug effects/ CERVIX UTERI, pathology/ CLINICAL RESEARCH/ *CONTRACEPTIVE DEVICES, adverse effects/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ NORETHYNODREL, adverse effects/ *PRECANCEROUS CONDITIONS, chemically induced/ *PRECANCEROUS CONDITIONS, etiology/ PRECANCEROUS CONDITIONS, pathology/ TIME FACTORS/ VAGINAL SMEARS

1228. **Fujimoto JM, Lech JJ, Zamiatowski R:** A site of action of novobiocin in inhibiting renal tubular transport of drugs in the chicken.
Biochem Pharmacol 22:971-9, 15 Apr 73
AMINOHIPPURIC ACID, metabolism/ AMMONIUM COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CATECHOL, metabolism/ CHICKENS/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ KIDNEY, blood supply/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, metabolism/ *MORPHINE, metabolism/ MORPHINE, urine/ *NOVOBIOCIN, pharmacodynamics/ PERFUSION/ SAPHENOUS VEIN, physiology/ *SEROTONIN, metabolism/ SULFATES, metabolism/ TIME FACTORS/ TRITIUM

1229. **Fujiwara K, Hirano N, Takenaka S, et al:** Peroral infection in Tyzzer's disease of mice.
Jap J Exp Med 43:33-42, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CALCIUM CARBONATE, pharmacodynamics/ CORTISONE, pharmacodynamics/ FASTING/ GASTROINTESTINAL SYSTEM/ HYDROGEN-ION CONCENTRATION/ LIVER, pathology/ *LIVER DISEASES, etiology/ LIVER DISEASES, mortality/ LIVER DISEASES, pathology/ *LIVER DISEASES, veterinary/ MICE/ *MICE/ *RODENT DISEASES/ RODENT DISEASES, etiology/ RODENT DISEASES, mortality/ RODENT DISEASES, pathology

1230. **Fukuchi Y:** [Aging of the bronchial tree and the bronchial vascular system. 1. Changes in bronchial muscular tone due to aging]
Jap J Geriatr 9:1-9, Jan 72 (Jap)
ACETYLCHOLINE, pharmacodynamics/ AGING/ ANIMAL EXPERIMENTS/ BRONCHI, drug effects/ *BRONCHI, physiology/ DOGS/ ENGLISH ABSTRACT/ *MUSCLE TONUS/ MUSCLE TONUS, drug effects/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL

1231. **Fukuchi Y:** [Aging of the bronchial tree and the bronchial vascular system. 2. Changes in the bronchial vascular system tone due to aging]
Jap J Geriatr 9:10-8, Jan 72 (Jap)
ACETYLCHOLINE, pharmacodynamics/ AGING/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD VESSELS, physiology/ *BRONCHI, blood supply/ BRONCHIAL ARTERIES, drug effects/ DOGS/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ *MUSCLE TONUS/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL

1232. **Fukuchi Y:** [Aging of the bronchial tree and bronchial vascular system. 3. Effect of aging on intrinsic regulatory mechanism of the bronchial tree and bronchial vascular system]
Jap J Geriatr 9:19-23, Jan 72 (Jap)
ACETYLCHOLINE, pharmacodynamics/ AGING/ ANIMAL EXPERIMENTS/ BLOOD VESSELS, drug effects/ *BLOOD VESSELS, physiology/ BRONCHI, blood supply/ *BRONCHI, physiology/ DOGS/ ENGLISH ABSTRACT/ MUSCLE TONUS, drug effects/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL

1233. **Fukuda H, Shibata S:** The effect of cold storage on the inhibitory action of isoprenaline, phenylephrine and nicotine on the mechanical and membranal activities of guinea-pig taenia caecum.
Br J Pharmacol 46:438-48, Nov 72
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CECUM, drug effects/ CECUM, metabolism/ *COLD/ FEMALE/ GUINEA PIGS/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MALE/ MEMBRANE POTENTIALS/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *NICOTINE, pharmacodynamics/ *PHENYLEPHRINE, pharmacodynamics/ POTASSIUM, metabolism/ PRESERVATION, BIOLOGICAL/ RECEPTORS, NEURAL/ SODIUM, metabolism

1234. **Fukuda T:** Agranular stellate cells (so-called follicular cells) in human fetal and adult adenohypophysis and in pituitary adenoma.
Virchows Arch [Pathol Anat] 359:19-30, 20 Mar 73
ADENOMA, pathology/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ INTERCELLULAR JUNCTIONS/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, embryology/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, pathology

1235. **Fukushima T, Ishijima B, Hirakawa K, et al:** Ventriculofiberscope: a new technique for endoscopic diagnosis and operation. Technical note.
J Neurosurg 38:251-6, Feb 73
ASTROCYTOMA, diagnosis/ ASTROCYTOMA, surgery/ BIOPSY/ *CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CEREBRAL VENTRICLE NEOPLASMS, surgery/ CRANIOPHARYNGIOMA, diagnosis/ CRANIOPHARYNGIOMA, surgery/ *ENDOSCOPY/ HUMAN/ *HYDROCEPHALUS, diagnosis/ HYDROCEPHALUS, surgery/ METHODS/ PINEALOMA, diagnosis/ PINEALOMA, surgery

1236. **Fulcrand J, Marty R:** Maturation postnatale du tractus optique chez le rat: identification et quantification de la névroglie sur radio-autographies.
Exp Brain Res 16:466-75, 19 Mar 73 (Fre)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL COUNT/ ENGLISH ABSTRACT/ HYPOTHALAMUS, growth & development/ MYELIN SHEATH, growth & development/ *NEUROGLIA/ OPTIC NERVE, cytology/ *OPTIC NERVE, growth & development/ RATS/ THYMIDINE/ TRITIUM

1237. **Fülgraff G:** Prostaglandine. Eine neue Klasse biogener Wirkstoffe. Fortschr Med 91:410-6, 12 Apr 73 (Ger)
ABORTION, INDUCED/ CARDIOVASCULAR SYSTEM, drug effects/ FEMALE/ HUMAN/ INFLAMMATION, etiology/ LABOR, INDUCED/ MALE/ MENSTRUATION, drug effects/ MUSCLE, SMOOTH, drug effects/ OVULATION, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ SEMEN, analysis

1238. **Fülgraff G:** Prostaglandine.
Med Klin 68:195-201, 16 Feb 73 (39 ref.) (Ger)
ABORTION, INDUCED/ ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD PRESSURE, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ CHEMISTRY/ CONTRACEPTIVES, POSTCOITAL/ DIURESIS, drug effects/ DOGS/ ENZYME ACTIVATION, drug effects/ ENZYME REPRESSION, drug effects/ FEMALE/ FERTILITY/ GASTRIC MUCOSA, drug effects/ GENITALIA, FEMALE, drug effects/ HUMAN/ LABOR, drug effects/ LIPIDS, metabolism/ MALE/ MENSTRUATION/ MUSCLE, SMOOTH, drug effects/ PLATELET ADHESIVENESS, drug effects/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ REVIEW/ SEMEN, analysis

1239. **Fülle HH, Pribilla W:** Diagnose und Therapie der Plasmazellenleukämie.
Dtsch Med Wochenschr 98:874-81, 27 Apr 73 (Ger)
AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, chemically induced/ LEUKEMIA, PLASMACYTIC, blood/ LEUKEMIA, PLASMACYTIC, diagnosis/ *LEUKEMIA, PLASMACYTIC, drug therapy/ LEUKEMIA, PLASMACYTIC, pathology/ MALE/ MELPHALAN, adverse effects/ MELPHALAN, therapeutic use/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MICROSCOPY, PHASE CONTRAST/ MIDDLE AGE/ NEOPLASM CIRCULATING CELLS/ PREDNISOLONE, therapeutic use

1240. **Furey JG, McNamee DC:** Air splints for long-term management of osteogenesis imperfecta.
J Bone Joint Surg [Am] 55:645-9, Apr 73
AIR/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FRACTURES, SPONTANEOUS, radiography/ FRACTURES, SPONTANEOUS, therapy/ HUMAN/ INFANT/ LEG, radiography/ *OSTEOGENESIS IMPERFECTA, therapy/ *POLYURETHANES/ PROTECTIVE DEVICES/ *SPLINTS/ TRACTION

1241. **Furneaux RW, Boysen BG, Mero KN:** Complications of ovariohysterectomies. Can Vet J 14:98-9, Apr 73
ADHESIONS, etiology/ ADHESIONS, veterinary/ ANIMAL EXPERIMENTS/ CASTRATION, adverse effects/ CASTRATION, veterinary/ CATS/ DOGS/ FEMALE/ *HYSTERECTOMY, veterinary/ *POSTOPERATIVE COMPLICATIONS, veterinary

1242. **Furness ET, White TA:** A case of osteogenesis imperfecta, diagnosed in utero.
Med J Aust 1:390-2, 24 Feb 73
CASE REPORT/ *FETAL DISEASES, radiography/ HUMAN/ INFANT, NEWBORN/ MALE/ OSTEOGENESIS IMPERFECTA, pathology/ *OSTEOGENESIS IMPERFECTA, radiography/ *PRENATAL DIAGNOSIS/ SKIN, pathology/ TIBIA, pathology

1243. **Furness JB, Costa M:** The nervous release and the action of substances which affect intestinal muscle through neither adrenoreceptors nor cholinoreceptors.
Philos Trans R Soc Lond [Biol Sci] 265:123-33, 15 Mar 73 (94 ref.)
*ADENOSINE TRIPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ ANUS, innervation/ BRETYLIUM COMPOUNDS, pharmacodynamics/ CHOLINERGIC NERVE ENDING DEPRESSANTS, pharmacodynamics/ ESOPHAGUS, innervation/ GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL SYSTEM, innervation/ GUANETHIDINE, pharmacodynamics/ INHIBITION, NEURAL/ MEMBRANE POTENTIALS/ METHYSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, innervation/ MUSCLE, SMOOTH, physiology/ *NEURAL TRANSMISSION/ NEURONS/ NEURONS, drug effects/ NEURONS, EFFERENT/ PHENTOLAMINE, pharmacodynamics/ REVIEW/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, physiology

1244. **Furr BJ, Bonney RC, England RJ, et al:** Luteinizing hormone and progesterone in peripheral blood during the ovulatory cycle of the hen Gallus domesticus.
J Endocrinol 57:159-69, Apr 73
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ FEMALE/ *LH, blood/ *OVULATION/ PITUITARY GLAND, physiology/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS

1245. **Furth J, Moy P, Schalch DS, et al:** Gonadotropic activities of thyrotropic tumors: demonstration by immunohistochemical staining.
Proc Soc Exp Biol Med 142:1180-4, Apr 73
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *FSH/ *GONADOTROPINS, CHORIONIC/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH/ MALE/ MICE/ NEOPLASMS, EXPERIMENTAL, pathology/ *PITUITARY NEOPLASMS, pathology/ RADIOIMMUNOASSAY/ RATS/ STAINS AND STAINING

G

1246. **Gabbiani G, Ryan GB, Badonnel MC, et al:** Différences régionales dans la fonction des petits vaisseaux.
Nouv Rev Fr Hematol 12:701-2, Sep-Oct 72 (Fre)
BRAIN, blood supply/ *CAPILLARIES, drug effects/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ LUNG, blood supply/ PULMONARY EDEMA, chemically induced/ TESTIS, blood supply/ *VEINS, drug effects

1247. **Gabella G:** Cellular structures and electrophysiological behaviour. Fine structure of smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:7-16, 15 Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE/ EMBRYO/ GUINEA PIGS/ HYALURONIDASE, pharmacodynamics/ ILEUM, cytology/ INTERCELLULAR JUNCTIONS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MITOCHONDRIAL CONTRACTION/ MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, embryology/ MUSCLE, SMOOTH, metabolism/ RATS/ SARCOPLASMIC RETICULUM/ VAS DEFERENS, cytology

1248. **Gadamski R, Lakomy M:** The nuclei of the posterior part of the hypothalamus of the cow.
Z Mikrosk Anat Forsch 86:244-56, 1972
ANIMAL EXPERIMENTS/ CARNIVORA, anatomy & histology/ *CATTLE, anatomy & histology/ CYTOPLASM/ DIENCEPHALON, cytology/ DOGS/ FEMALE/ HISTOLOGY, COMPARATIVE/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, cytology/ MICROTOMY/ SHEEP, anatomy & histology/ SWINE, anatomy & histology

1249. **Gadski RA, Kull FJ:** Thyroid ribonucleic acid-iodopeptides. Purification and properties of a thyroxine-containing complex from porcine thyroid.
Biochemistry 12:1907-14, 8 May 73
ACYLATION/ AMINO ACIDS, analysis/ AMINO ACYL T RNA SYNTHETASES/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, PAPER/ GEL FILTRATION/ MOLECULAR WEIGHT/ *NUCLEOPROTEINS/ NUCLEOPROTEINS, analysis/ NUCLEOPROTEINS, isolation & purification/ PRONASE/ *RNA/ RNA, isolation &

purification/ RNA, TRANSFER, isolation & purification/ SWINE/ *THYROID GLAND, analysis/ *THYROXINE/ THYROXINE, isolation & purification

1250. Gaensbauer TJ: Castration in treatment of sex offenders: an appraisal.
Rocky Mt Med J 70:23-8, Apr 73
*CASTRATION/ HUMAN/ MALE/ SEX BEHAVIOR/ SEX DEVIATION, etiology/ *SEX OFFENSES

1251. Gagné R, Laberge C, Tanguay R: Aspect cytologique et localisation intranucléaire de l'hétérochromatine constitutive des chromosomes C9 chez l'homme.
Chromosoma 41:159-66, 1973 (Fre)
BLOOD CELLS/ CELL NUCLEOLUS/ *CELL NUCLEUS/ *CHROMOSOMES, HUMAN, 6-12/ DNA/ ENGLISH ABSTRACT/ FIBROBLASTS/ *HETEROCHROMATIN/ HUMAN/ MEIOSIS/ MITOSIS/ SERTOLI CELLS/ STAINS AND STAINING

1252. Gaillard JM, Friedli P, Tissot R: Effet de la L-DOPA à fortes doses sur l'activité électrique cérébrale du lapin (interaction avec le métabolisme de la 5-HT.
Arch Int Pharmacodyn Ther 202:342-52, Apr 73 (Fre)
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CARBOXY-LYASES, antagonists & inhibitors/ *DOPA, administration & dosage/ DOPA, pharmacodynamics/ DRUG INTERACTIONS/ ELECTROENCEPHALOGRAPHY/ EYE MOVEMENTS, drug effects/ HEART RATE, drug effects/ MUSCLES, drug effects/ RABBITS/ RESPIRATION, drug effects/ *SEROTONIN, metabolism/ TIME FACTORS

1253. Gajl-Peczalska KJ, Lim SD, Jacobson RR, et al: B lymphocytes in lepromatous leprosy.
N Engl J Med 288:1033-5, 17 May 73
ADULT/ AGED/ DAPSONE, therapeutic use/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGA, analysis/ IGE, analysis/ IGG, analysis/ IGM, analysis/ IMMUNE SERUMS/ LEPROSY, blood/ LEPROSY, drug therapy/ *LEPROSY, immunology/ LEUKOCYTE COUNT/ *B-LYMPHOCYTES, immunology/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ THALIDOMIDE, therapeutic use

1254. Gajl-Peczalska KJ, Park BH, Biggar WD, et al: B and T lymphocytes in primary immunodeficiency disease in man.
J Clin Invest 52:919-28, Apr 73
ADOLESCENCE/ ADULT/ AGAMMAGLOBULINEMIA, pathology/ ATAXIA TELANGIECTASIA, pathology/ CELL COUNT/ CHILD/ CHILD, PRESCHOOL/ DEFICIENCY DISEASES, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *IMMUNOGLOBULINS/ INFANT/ LYMPH NODES, pathology/ *B-LYMPHOCYTES/ *T-LYMPHOCYTES/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, abnormalities/ PLANT AGGLUTININS, diagnostic use/ THYMUS GLAND, abnormalities

1255. Gal D, Paldi E, Barzilai A, et al: [Surgical experience and functional tests in reimplantation of internal genital organs in the bitch]
Harefuah 84:309-14, 15 Mar 73 (Heb)
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ GRAFT REJECTION/ METHODS/ OVARY, physiology/ *OVARY, transplantation/ TIME FACTORS/ *TRANSPLANTATION, AUTOLOGOUS/ UTERUS, physiology/ *UTERUS, transplantation

1256. Galantay EE, Coombs RV, Basco L, et al: Allene versus acetylene in progestational steroids.
Experientia 28:771-2, 15 Jul 72
*ACETYLENE/ *CONTRACEPTIVES, ORAL, chem synthesis/ ESTROGENS/ *TESTOSTERONE, chem synthesis

1257. Galasińska-Pomykol I, Hryszko S: Obraz morfologiczny jądra nadwzrokowego świnek morskich podczas narkozy uretanowej.
Endokrynol Pol 24:71-8, Jan-Feb 73 (Pol
*ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, drug effects/ MALE/ NEUROSECRETION, drug effects/ TIME FACTORS/ *URETHANE, pharmacodynamics

1258. Galeev MA, Sakhautdinov VG, Khusainov ShI: Kirurgicheskie oslozhneniia pri mestnom primenen gidrokortizona.
Khirurgiia (Mosk) 49:85-7, Feb 72 (Rus
CALCANEUS/ ENGLISH ABSTRACT/ FEMALE/ FOOT DISEASES, surgery/ HUMAN/ *HYDROCORTISONE, TOPICAL, adverse effects/ *INJECTIONS, INTRA-ARTICULAR, adverse effects/ *JOINT DISEASES, surgery/ KNEE INJURIES, surgery/ MALE/ MIDDLE AGE/ PHLEGMON, chemically induced

1259. Gallagher ND, Mason R, Foley KE: Mechanisms of iro absorption and transport in neonatal rat intestine
Gastroenterology 64:438-44, Mar 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOLOGICAL TRANSPORT/ CORTISONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUODENUM, metabolism/ FEMALE/ ILEUM, drug effects/ ILEUM, metabolism/ *INTESTINAL ABSORPTION/ *INTESTINE, SMALL, metabolism/ *IRON, metabolism/ IRON ISOTOPES/ JEJUNUM, metabolism/ MALE/ RATS/ TRANSFERRIN, metabolism

1260. Galvão-Teles A, Burke CW: Cortisol levels in toxaemi and normal pregnancy.
Lancet 1:737-40, 7 Apr 7
ADRENAL GLANDS, physiopathology/ CIRCADIAN RHYTHM/ ESTROGENS, secretion/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ HYDROCORTISONE, urine/ *PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, physiopathology/ *PREGNANCY TOXEMIAS, blood/ PREGNANCY TOXEMIAS, physiopathology/ UTERINE HEMORRHAGE, metabolism

1261. Gammal EB: Effects of placental lesions on foeta growth in rats.
Experientia 29:201-3, 15 Feb 7
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BRAIN, embryology/ BURNS, ELECTRIC/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ LIVER, embryology/ ORGAN WEIGHT/ PLACENTA, injuries/ PLACENTA, pathology/ *PLACENTA, physiology/ PREGNANCY/ RATS

1262. Gandelman R: Maternal behavior in the mouse: effec of estrogen and progesterone.
Physiol Behav 10:153-5, Jan 73
AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BENZOATES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *MATERNAL BEHAVIOR, drug effects/ MICE/ PARITY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics

1263. Gandolfi C, Amendola M, Doria G, et al: Diossanilete ed ossatianileteri di estrogeni naturali e di sintes
Farmaco [Sci] 28:186-202, Mar 73 (Ita
ANIMAL EXPERIMENTS/ *DIOXINS, chem synthesis/ DIOXINS, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTROGENS, chem synthesis/ ESTROGENS, pharmacodynamics/ *ETHERS, chem synthesis/ ETHERS, pharmacodynamics/ ETHINYL ESTRADIOL, standards/ FEMALE/ OXATHIINS, chem synthesis/ OXATHIINS, pharmacodynamics/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *UTERUS, drug effects

1264. **Gandzha IM, Sakharchuk, Shub NI:** Immunodepressanty v lechenii bol'shikh kollagenozov.
Vrach Delo 11:40-4, Nov 72 (Rus)
ADOLESCENCE/ ADULT/ *ARTHRITIS, RHEUMATOID, drug therapy/ CHLORAMBUCIL, administration & dosage/ CHLORAMBUCIL, therapeutic use/ CHLOROQUINE, administration & dosage/ CHLOROQUINE, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use

1265. **Ganea E:** Mecanismul de acţiune a hormonilor estrogeni.
Stud Cercet Endocrinol 24:247-9, 1973 (Rum)
*ESTROGENS, pharmacodynamics

1266. **Ganor S:** [The treatment of chilblains with fluocinolone cream under ecclusive dressing]
Harefuah 84:163, 1 Feb 73 (Heb)
ENGLISH ABSTRACT/ *FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, therapeutic use/ *FROSTBITE, drug therapy/ HUMAN/ METHODS/ OCCLUSIVE DRESSINGS/ POLYETHYLENES

1267. **Gans SL, Berci G:** Inside tracheoesophageal fistula: new endoscopic approaches.
J Pediatr Surg 8:205-11, Apr 73
*BRONCHOSCOPY/ BRONCHOSCOPY, instrumentation/ DILATATION/ ESOPHAGEAL PERFORATION, etiology/ ESOPHAGEAL STENOSIS, therapy/ *ESOPHAGOSCOPY/ ESOPHAGOSCOPY, adverse effects/ ESOPHAGOSCOPY, instrumentation/ ESOPHAGUS/ FOREIGN BODIES, therapy/ HUMAN/ INFANT/ LENSES/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS, therapy/ TRACHEA, pathology/ *TRACHEOESOPHAGEAL FISTULA, diagnosis/ TRACHEOESOPHAGEAL FISTULA, pathology/ TRIAMCINOLONE, therapeutic use

1268. **Ganten D, Kusumoto M, Constantopoulos G, et al:** Iso-renin, electrolytes and catecholamines in dog brain: possible interrelationship.
Life Sci [I] 12:1-8, 3 Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CALCIUM, analysis/ DOGS/ *DOPAMINE, analysis/ *ELECTROLYTES, analysis/ MAGNESIUM, analysis/ *NOREPINEPHRINE, analysis/ POTASSIUM, analysis/ *RENIN, analysis/ SODIUM, analysis/ WATER, analysis

1269. **García-Donas Bono A:** Tratamiento de las colopatías inflamatorias no específicas.
Rev Esp Enferm Apar Dig 39:105-12, 1 Jan 73 (Spa)
COLITIS, ULCERATIVE, drug therapy/ COLITIS, ULCERATIVE, therapy/ *COLONIC DISEASES, therapy/ DIET THERAPY/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ SALICYLAMIDES, therapeutic use

1270. **Gardner RJ, Veale AM, Sands VE, et al:** XXXX syndrome: case report, and a note on genetic counselling and fertility.
Humangenetik 17:323-30, 1973
ADOLESCENCE/ CHILD BEHAVIOR DISORDERS, complications/ DIATHERMY, adverse effects/ DISEASES IN TWINS/ EPILEPSY, complications/ FEMALE/ GENETIC COUNSELING/ HUMAN/ MATERNAL-FETAL EXCHANGE/ MENTAL RETARDATION, complications/ OVARY, physiology/ PREGNANCY/ SALPINGITIS, therapy/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, etiology/ STERILITY, FEMALE, etiology

1271. **Gardner RW, Park RL:** Effects of prepartum energy intake and calcium to phosphorus ratios on lactation response and parturient paresis.
J Dairy Sci 56:385-9, Mar 73
ALFALFA/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ CALCIUM, blood/ *CALCIUM, metabolism/ *CATTLE, metabolism/ *CATTLE DISEASES, prevention & control/ CORN/ FEMALE/ HYPOCALCEMIA, prevention & control/ HYPOCALCEMIA, veterinary/ *LACTATION/ MILK, analysis/ NUTRITIONAL REQUIREMENTS/ PARALYSIS, prevention & control/ *PARALYSIS, veterinary/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PREGNANCY/ PUERPERAL DISORDERS, prevention & control/ *PUERPERAL DISORDERS, veterinary/ SILAGE

1272. **Gardó S, Kiss-Szabó A, Bueskó I, et al:** Die Bedeutung zytogenetischer Untersuchungen in der Frühdiagnostik der Intersexualität.
Wien Klin Wochenschr 85:169-74, 16 Mar 73 (Ger)
ADRENOGENITAL SYNDROME, diagnosis/ CHROMOSOME ABERRATIONS/ CYTOGENETICS/ ENGLISH ABSTRACT/ FEMALE/ HERMAPHRODITISM, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, diagnosis/ MALE/ PRENATAL DIAGNOSIS/ *SEX DIFFERENTIATION DISORDERS, diagnosis/ TESTICULAR FEMINIZATION, diagnosis/ TIME FACTORS/ TURNER'S SYNDROME, diagnosis

1273. **Garner HE:** Principles of cardiopulmonary medicine.
Vet Clin N Amer 3:239-50, May 73 (27 ref.)
ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ BICARBONATES, therapeutic use/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ *CARDIOVASCULAR DISEASES, veterinary/ CHRONIC DISEASE/ DISSEMINATED INTRAVASCULAR COAGULATION, veterinary/ GLUCOCORTICOIDS, therapeutic use/ HALOTHANE/ HEART RATE/ HEMATOCRIT/ *HORSE DISEASES/ HORSE DISEASES, drug therapy/ HORSE DISEASES, physiopathology/ HORSES, physiology/ INFUSIONS, PARENTERAL/ *LUNG DISEASES, veterinary/ PULMONARY EMPHYSEMA, veterinary/ RESPIRATION/ RESPIRATORY INSUFFICIENCY, veterinary/ REVIEW/ SHOCK, drug therapy/ SHOCK, physiopathology/ SHOCK, veterinary

1274. **Garret R, Ames RP:** Black-pigmented adenoma of the adrenal gland. Report of three cases including electron microscopic study.
Arch Pathol 95:349-53, May 73
*ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ AUTOPSY/ CYTOPLASM/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ MICROSCOPY, ELECTRON/ *PIGMENTATION/ PIGMENTS, analysis

1275. **Garrett RH, Greenbaum P:** The inhibition of the Neurospora crassa nitrate reductase complex by metal-binding agents.
Biochim Biophys Acta 302:24-32, 15 Mar 73
BINDING, COMPETITIVE/ BINDING SITES/ *CYANIDES/ CYTOCHROME C/ DRUG SYNERGISM/ ELECTRON TRANSPORT/ FAD/ INDOPHENOL/ IRON/ KINETICS/ LIPOAMIDE DEHYDROGENASE/ METALS/ MOLYBDENUM/ NADP/ *NEUROSPORA, enzymology/ NEUROSPORA CRASSA, enzymology/ NITRATE REDUCTASES, antagonists & inhibitors/ NITRATES/ OSMOLAR CONCENTRATION/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, antagonists & inhibitors/ PHENOLS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SULFIDES/ *THIOUREA

1276. **Gasanov KhA, Dadashev FA:** Autoimmunnye porazheniia shchitovidnoĭ zhelezy u bol'nykh periodicheskoĭ shizofrenieĭ.
Zh Nevropatol Psikhiatr 12:1837-41, 1972 (Rus)
ADULT/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ CATATONIA,

complications/ CATATONIA, immunology/ DELIRIUM/ ENGLISH ABSTRACT/ FEMALE/ HALLUCINATIONS/ HUMAN/ MALE/ MIDDLE AGE/ SCHIZOPHRENIA, complications/ SCHIZOPHRENIA, etiology/ *SCHIZOPHRENIA, immunology/ SCHIZOPHRENIA, PARANOID, complications/ SCHIZOPHRENIA, PARANOID, immunology/ THYROGLOBULIN, antagonists & inhibitors/ *THYROID DISEASES, complications/ THYROID DISEASES, immunology/ THYROID GLAND, immunology

1277. **Gascon AL, Cloutier G:** Effect of phenobarbital pretreatment on the sensitivity of the isolated guinea pig vas deferens to various agonists.
Can J Physiol Pharmacol 51:39-45, Jan 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ MALE/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENOBARBITAL, administration & dosage/ *PHENOBARBITAL, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ *VAS DEFERENS, drug effects

1278. **Gasiorowski W, Rusiecka-Wojciechowska E, Jeske E:** Ipotiroidismo dopo trattamento con iodio radioattivo (131 I) per ipertiroidismo.
Minerva Med 64:425-8, 24 Feb 73 (Ita)
ADULT/ AGED/ ANTIBODIES, analysis/ ARRHYTHMIA, drug therapy/ ENGLISH ABSTRACT/ FLUORESCENT ANTIBODY TECHNIC/ GOITER, EXOPHTHALMIC, drug therapy/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPERTHYROIDISM, immunology/ *HYPERTHYROIDISM, radiotherapy/ *HYPOTHYROIDISM, chemically induced/ IODINE ISOTOPES, administration & dosage/ *IODINE ISOTOPES, adverse effects/ MIDDLE AGE/ THYROID ANTAGONISTS, therapeutic use

1279. **Gasset AR, Kaufman HE:** Hydrophilic lens therapy of superficial sterile corneal ulcers.
Ann Ophthalmol 5:139-42, Feb 73
ANTIBIOTICS, therapeutic use/ ATROPINE, therapeutic use/ BACTERIAL INFECTIONS, etiology/ BLEPHARITIS, complications/ *CONTACT LENSES/ CONTACT LENSES, HYDROPHILIC/ CORNEAL ULCER, drug therapy/ CORNEAL ULCER, etiology/ *CORNEAL ULCER, therapy/ DERMATITIS, complications/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ IRITIS, complications/ METHODS/ RECURRENCE/ *WOUND HEALING

1280. **Gatev St:** Eksperimentalni prouchvaniia vurkhu ultrafonoforezata s khidrokortizon prez kozhata na Rana ridibunda.
Eksp Med Morfol 11:231-6, 1972 (Bul)
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ ENGLISH ABSTRACT/ FROGS/ *HYDROCORTISONE, TOPICAL, pharmacodynamics/ *IONTOPHORESIS/ METHODS/ *SKIN ABSORPTION, drug effects/ *ULTRASONICS

1281. **Gaudier B, Ponte C, Ryckewaert P, et al:** La thyrocalcitonine: intérêt en pédiatrie (à propos de 3 observations. Lille Med 17:1427-31, Nov 72 (Fre)
CHILD, PRESCHOOL/ HUMAN/ *HYPERCALCEMIA, drug therapy/ INFANT/ INJECTIONS, INTRAMUSCULAR/ MALE/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, therapeutic use

1282. **Gautier JA, Miocque M, Combet-Farnoux C, et al:** Isolement des bases organiques à l'état de thiocyanates.
Ann Pharm Fr 30:715-8, Oct 72 (Fre)
ACETATES/ AMINES/ AMMONIUM CHLORIDE/ AMMONIUM COMPOUNDS/ CHEMISTRY, ANALYTICAL/ CHEMISTRY, ORGANIC/ ENGLISH ABSTRACT/ *HETEROCYCLIC COMPOUNDS, isolation & purification/ METHODS/ NITROGEN, analysis/ PERCHLORIC ACIDS/ SOLVENTS/ *THIOCYANATES

1283. **Gautier JC, Samama M, Bousser MG:** Thrombose artérielles expérimentales. Effets in vivo et in vitr de l'aspirine et de la prostaglandine E1.
Ann Med Interne (Paris) 123:849-52, Oct 72 (Fre
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ *BLOOD COAGULATION, drug effects/ *BLOOD PLATELETS, drug effects/ CEREBRAL ARTERIES, injuries/ COLLAGEN, pharmacodynamics/ IN VITRO/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ RABBITS/ THROMBOSIS, drug therapy/ THROMBOSIS, etiology

1284. **Gawienowski AM, Merker JW, Damon RA Jr:** Alteration of sexual behavior and sex accessor glands by p-chlorophenylalanine and testosteron
Life Sci [I] 12:307-15, 1 Apr 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ CIRCADIAN RHYTHM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HOMOSEXUALITY/ LIGHTING/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ ORGAN WEIGHT/ PARGYLINE, pharmacodynamics/ PINEAL BODY, drug effects/ PITUITARY GLAND, drug effects/ *PROSTATE, drug effects/ RATS/ *SEMINAL VESICLES, drug effects/ SEROTONIN, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ *TESTIS, drug effects/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ *URETHRA, drug effects

1285. **Gee JB, Sacs FL, McKeever P, et al:** Phagocytosis b alveolar macrophages: pharmacologic festures.
Chest 63:Suppl:20S-21S, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE metabolism/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ INDOLES, metsbolism/ LYSOSOMES, metsbolism/ MACROPHAGES, enzymology/ MACROPHAGES metsbolism/ *MACROPHAGES, physiology/ MONILIALES, metsbolism/ OXYGEN CONSUMPTION/ *PHAGOCYTOSIS/ PHOSPHOLIPASE, metabolism/ *PULMONARY ALVEOLI, cytology/ PULMONARY ALVEOLI, enzymology/ PULMONARY ALVEOLI, physiology/ RABBITS

1286. **(Gee S), Tizard JP:** Dr Gee's paediatrics. The Samu Gee Lecture 1972.
J R Coll Physicians Lond 7:193-206, Apr 73
DIABETES INSIPIDUS, history/ DRUG THERAPY, history/ EDUCATION, MEDICAL, UNDERGRADUATE, history/ EDUCATIONAL MEASUREMENT/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ LONDON/ *PEDIATRICS, history/ RADIOLOGY, history

1287. **Geel SE, Valcana T:** Synthesis of free and membrane-bound ribosomal RNA from cerebra cortex in hypothyroid rats during developmen
Neurobiology 2:21-30, 1972
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL FRACTIONATION CELL MEMBRANE, metabolism/ *CEREBRAL CORTEX, growth & development/ CEREBRAL CORTEX, metabolism/ DEOXYCHOLIC ACID/ FEMALE/ *HYPOTHYROIDISM, metabolism/ NERVE TISSUE PROTEINS, metabolism/ OROTIC ACID, metabolism/ RATS/ *RNA, RIBOSOMAL, biosynthesis

1288. **Geffen LB, Rush RA, Louis WJ, et al:** Plasm catecholamine and dopamine-hydroxylase amounts i

phaeochromocytoma. Clin Sci 44:421-4, Apr 73
CARBON ISOTOPES/ CATECHOLAMINES, biosyntbesis/ *CATECHOLAMINES, blood/ *DOPAMINE BETA HYDROXYLASE, blood/ HUMAN/ HYPERTENSION, blood/ NOREPINEPHRINE, blood/ *PHEOCHROMOCYTOMA, blood/ RADIOIMMUNOASSAY

1289. **Gelfand MC, Steinberg AD:** Basis of impaired graft rejection of aging NZB-W mice.
Transplant Proc 5:145-8, Mar 73
ABSORPTION/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS, immunology/ FEMALE/ *GRAFT REJECTION/ IMMUNE SERUMS/ *IMMUNITY, CELLULAR/ LYMPHOCYTES, immunology/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ MICE/ SKIN, transplantation/ SPLEEN, cytology/ SPLENECTOMY/ THYMUS GLAND, cytology/ TRANSPLANTATION, HOMOLOGOUS

1290. **Gemsa C, Woo CH, Fudenberg HH, et al:** Erytbrocyte catabolism by macropbages in vitro. Tbe effect of bydrocortisone on erythropbagocytosis and on the induction of heme oxygenase.
J Clin Invest 52:812-22, Apr 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ DACTINOMYCIN, pbarmacodynamics/ ENZYME INDUCTION, drug effects/ *ERYTHROCYTES, drug effects/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HEME/ *HYDROCORTISONE, pharmacodynamics/ INSULIN, pbarmacodynamics/ IRON ISOTOPES/ *MACROPHAGES, drug effects/ MACROPHAGES, enzymology/ OXYGENASES, biosynthesis/ *PHAGOCYTOSIS, drug effects/ PINOCYTOSIS, drug effects/ PUROMYCIN, pbarmacodynamics/ RABBITS, immunology/ RATS

1291. **Gemsa D, Fudenberg HH, Schmid R:** Erythrocyte catabolism by macropbages in vitro: dissociation of pbagocytosis and beme oxygenase induction.
Trans Assoc Am Pbysicians 85:335-43, 1972
ANIMAL EXPERIMENTS/ BILIRUBIN, metabolism/ ENZYME INDUCTION/ ERYTHROCYTES, immunology/ *ERYTHROCYTES, metabolism/ GLUCOSE, pharmacodynamics/ HEME/ HEME, metabolism/ HEMOGLOBIN, metabolism/ HYDROCORTISONE, pbarmacodynamics/ IMMUNE SERUMS/ IN VITRO/ INSULIN, pbarmacodynamics/ IRON ISOTOPES/ LYSOSOMES, metabolism/ *MACROPHAGES, enzymology/ *OXYGENASES, biosynthesis/ *PHAGOCYTOSIS/ PHAGOCYTOSIS, drug effects/ RABBITS/ RATS

1292. **Gemsenjäger E:** Die selektive Strumektomie.
Praxis 62:492-6, 17 Apr 73 **(Ger)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, surgery/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ HYPERTHYROIDISM, prevention & control/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, tberapeutic use/ *THYROIDECTOMY

1293. **Genefke IK:** The active uptake of 5-hydroxytryptamine in rat and buman blood platelets under tbe influence of lithium in vivo and in vitro.
Acta Psychiatr Scand 48:394-9, 1972
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CHLORIDES/ HUMAN/ IN VITRO/ INCUBATORS/ *LITHIUM, pbarmacodynamics/ MALE/ OSMOLAR CONCENTRATION/ RATS/ *SEROTONIN, metabolism

1294. **Genefke IK:** Tbe concentration of 5-hydroxytryptamine (5-HT) in bypotbalamus, grey and white brain substance in tbe rat after prolonged oral lithium administration. Acta Psychiatr Scand 48:400-4, 1972
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ *FRONTAL LOBE, drug effects/ FRONTAL LOBE, metabolism/ *GANGLIA, BASAL, drug effects/ GANGLIA, BASAL, metabolism/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ LITHIUM, administration & dosage/ LITHIUM, pharmacodynamics/ MALE/ OSMOLAR CONCENTRATION/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, metabolism

1295. **George JM:** Localization in hypothalamus of increased incorporation of 3H cytidine into RNA in response to oral hypertonic saline.
Endocrinology 92:1550-5, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CYTIDINE, metabolism/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMUS, metabolism/ MALE/ MICE/ *RNA, metabolism/ SODIUM CHLORIDE, administration & dosage/ *SODIUM CHLORIDE, pharmacodynamics/ TRITIUM

1296. **George WD, Partridge W, Burn JI:** Macrophage activity and hormonal responsiveness in mammary cancer.
Br J Surg 60:317, Apr 73
*BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, immunology/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ IODINE ISOTOPES/ *MACROPHAGES

1297. **Georghiou PE, Just G:** Cycloadducts of ergosterol with azo-type dienophiles, and tbeir cbemical reactivities.
J Chem Soc [Perkin I] 9:888-91, 1973
CHEMISTRY/ ERGOSTEROL/ PYRIDAZINES/ *VITAMIN D

1298. **Gerber R, Karcher-Djuricic V, Ruch JV, et al:** Différenciation de l'ébaucbe dentaire présomptive ou précoce. Résultats obtenus par la tecbnique des homogreffes intratesticulaires chez la souris.
C R Soc Biol (Paris) 166:1098-102, 1972 **(Fre)**
ANIMAL EXPERIMENTS/ *GERM LAYERS, transplantation/ GESTATIONAL AGE/ MANDIBLE, embryology/ MANDIBLE, transplantation/ MICE/ MORPHOGENESIS/ ODONTOBLASTS, growtb & development/ ODONTOGENESIS/ STATISTICS/ *TESTIS/ *TOOTH GERM, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1299. **Geri D, Kadner J, Ehrhardt G, et al:** Ein Beitrag zur Plazentabiopsie.
Zentralbl Gynaekol 95:259-62, 23 Feb 73 **(Ger)**
*BIOPSY, NEEDLE/ BIOPSY, NEEDLE, instrumentation/ FEMALE/ HUMAN/ METHODS/ PLACENTA, pathology/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY

1300. **Germain P, Lefebvre G, Bena B, et al:** Etude in vitro des caractéristiques de la 5 alpha-delta 4 stéroïde réductase de Nocardia corallina.
C R Soc Biol (Paris) 166:1123-8, 1972 **(Fre)**
AEROBIOSIS/ ANAEROBIOSIS/ CHOLESTENES/ COENZYMES/ ENZYME INDUCTION/ KINETICS/ NAD/ NADP/ *NOCARDIA, enzymology/ *OXIDOREDUCTASES, analysis/ *STEROIDS

1301. **German DG, Ketrar' EG:** Gormonal'naia mieiopatiia (kliniko-patomorfologicheskoe issledovanie.
Zh Nevropatol Psikhiatr 12:1801-8, 1972 **(Rus)**
ADULT/ AGED/ BLOOD VESSELS, patbology/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, complications/ ISCHEMIA/ MALE/ MIDDLE AGE/ MOVEMENT DISORDERS, etiology/ OVARY/ *SEX HORMONES/ SPINAL CORD, blood supply/ SPINAL CORD, patbology/ SPINAL CORD DISEASES, drug therapy/ *SPINAL CORD DISEASES, etiology/ SPINAL CORD DISEASES, pathology/ SPINAL CORD DISEASES, radiography

1302. **German J, Simpson JL, Morillo-Cucci G, et al:** Testicular feminisation and inguinal hernia.
Lancet 808:891, 21 Apr 73
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *INGUINAL HERNIA, etiology/ INGUINAL HERNIA, familial & genetic/ PROSPECTIVE STUDIES/ SEX CHROMATIN, analysis/ *TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, diagnosis

1303. **Germaniuk IaL, Kholiavko PM, Mironenko VI:** Aktseptuvannia aminokysiot transportnymy RNK pechiny i skeletnykh m'iaziv kroliv pid vplyvom tryvaloho vvedennia hidrokortyzonu v poiednanni z RN.
Ukr Biokhim Zh 44:221-4, 1972 (Ukr)
ALANINE, analysis/ *AMINO ACIDS, metabolism/ AMINO ACYL T RNA SYNTHETASES, analysis/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ CHEMISTRY, ORGANIC/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ LEUCINE, analysis/ *LIVER, metabolism/ LYSINE, analysis/ *MUSCLES, metabolism/ ORGAN WEIGHT/ RABBITS/ *RNA, pharmacodynamics/ RNA, TRANSFER, analysis/ *RNA, TRANSFER, metabolism/ SACCHAROMYCES CEREVISIAE/ TIME FACTORS

1304. **Gersch M:** Introductory address presented at the Sixth Conference of European Comparative Endocrinologists, Montpellier, 1971. General aspects and problems in comparative endocrinology.
Gen Comp Endocrinol 20:425-35, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CHEMISTRY/ CRUSTACEA, physiology/ *ENDOCRINE GLANDS, physiology/ ENVIRONMENT/ FEEDBACK/ *HORMONES, physiology/ INSECTS, physiology/ LIGHT/ NEUROHUMORS, physiology/ PARASITES, physiology/ PHYSIOLOGY, COMPARATIVE/ REPRODUCTION

1305. **Gershanik JJ, Elmore M, Levkoff AH:** Congenital concurrence of adrenal cortical tumor, ganglioneuroma, and toxoplasmosis.
Pediatrics 51:705-9, Apr 73
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL MEDULLA/ AUTOPSY/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *GANGLIONEUROMA, complications/ GANGLIONEUROMA, diagnosis/ GANGLIONEUROMA, radiography/ HUMAN/ INFANT, NEWBORN/ MALE/ *TOXOPLASMOSIS, CONGENITAL, complications/ TOXOPLASMOSIS, CONGENITAL, diagnosis

1306. **Gershman H, Powers E, Levine L, et al:** Radioimmunoassay of prostaglandins, angiotensin, digoxin, morphine and adenosine-3',5'-cyclic-monophosphate with nitrocellulose membranes.
Prostaglandins 1:407-23, May 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANGIOTENSIN, analysis/ ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ CELLULOSE/ CHROMATOGRAPHY, THIN LAYER/ DIGOXIN, analysis/ HAPTENS/ IMMUNE SERUMS/ IODINE ISOTOPES/ MEMBRANES, ARTIFICIAL/ MORPHINE, analysis/ PROSTAGLANDINS, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SPECIAL LIST REPRODUCTION/ TRITIUM

1307. **Gertner JJ:** Allopurinol in calcium-stone formation.
Lancet I:834, 14 Apr 73
*ALLOPURINOL, therapeutic use/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ *KIDNEY CALCULI, drug therapy/ KIDNEY CALCULI, metabolism/ MIDDLE AGE

1308. **Geser CA, Müller-Hess R, Dufresne JJ, et al:** Untersuchungen über die Wirkung von L-Dopa a Hormone des Hypophysenvorderlappens und auf de Kohlenhydrat- und Fettstoffwechsel bei Normalpersonen und bei Morbus Parkinson.
Schweiz Med Wochenschr 103:690-7, 12 May 73 (Ge
ADMINISTRATION, ORAL/ ADULT/ AGED/ ANTIGENS/ *BLOOD SUGAR, metabolism/ CARBOXY-LYASES, administration & dosage/ *DOPA, administration & dosage/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ FSH, blood/ GLYCERIN, blood/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS/ INSULIN, blood/ LH, blood/ MALE/ MIDDLE AGE/ *PARKINSONISM, blood/ *PITUITARY HORMONES, ANTERIOR, blood/ SOMATOTROPIN, blood

1309. **Ghose MK, Kest LM, Cohen SM, et al:** Spontaneou rupture of renal allotransplants.
J Urol 109:790-5, May 73
ADULT/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CADAVER/ FEMALE/ GRAFT REJECTION/ HISTOCOMPATIBILITY TESTING/ HUMAN/ KIDNEY, pathology/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RUPTURE, SPONTANEOUS, etiology/ RUPTURE, SPONTANEOUS, pathology/ TRANSPLANTATION, HOMOLOGOUS

1310. **Ghosh A, Ghosh S:** Effect of dehydration on th neuroendocrine system of an arid zone avian specie
Gegenbaurs Morphol Jahrb 118:414-22, 1973
ANIMAL EXPERIMENTS/ *BIRDS, physiology CLIMATE/ GEOGRAPHY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHALAMUS, physiopathology/ NEUROSECRETION/ PITUITARY GLAND, POSTERIOR, physiopathology/ TIME FACTORS/ *WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE

1311. **Ghosh NK, Rukenstein A, Baltimore R, et al:** Studies o hormonal induction of alkaline phosphatase in Hel cell cultures. Kinetic, thermodynamic and electrophoretic properties of induced and base-lev enzymes. Biochim Biophys Acta 286:175-85, 24 Nov
*ALKALINE PHOSPHATASE/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ ALKALINE PHOSPHATASE, biosynthesis/ ALKALINE PHOSPHATASE, isolation & purification/ ALKALINE PHOSPHATASE, metabolism/ CELLS, CULTURED/ CLONE CELLS/ ELECTROPHORESIS, STARCH GEL/ ENZYME INDUCTION/ GEL FILTRATION/ *HELA CELLS, enzymology/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES, isolation & purification/ KINETICS/ MATHEMATICS/ MOLECULAR WEIGHT/ PHENYLALANINE, pharmacodynamics/ PLACENTA, enzymology/ THERMODYNAMICS/ TRYPTOPHAN, pharmacodynamics

1312. **Ghosh PC, Lockwood E, Pennington GW:** The solvolysable corticosteroids in human pregnanc urine as determined by competitive protein-bindi radioassay. Steroids Lipids Res 3:75-81, 1972
*ADRENAL CORTEX HORMONES, urine/ BINDING, COMPETITIVE/ CORTICOSTERONE urine/ CORTISONE, urine/ EVALUATION STUDIES/ FEMALE/ FURANS/ HUMAN/ HYDROCORTISONE, urine/ *PREGNANCY/ PROTEIN BINDING/ SOLUBILITY/ *SULFURIC ACIDS, urine/ TRITIUM

1313. **Ghossein NA, Stacey P:** The prognostic significance radiation-related eosinophilia. A preliminary repor
Radiology 107:631-3, Jun 73
*EOSINOPHILIA, etiology/ FEMALE/ HUMAN OVARIAN NEOPLASMS, mortality/ *OVARIA NEOPLASMS, radiotherapy/ PROGNOSIS/ *RADIOTHERAPY, HIGH ENERGY, adverse

effects/ RETROSPECTIVE STUDIES/ TIME FACTORS/ UTERINE NEOPLASMS, mortality/ *UTERINE NEOPLASMS, radiotherapy

1314. Gilbert F, Lee BJ: Direct transtissue intra-organ lymphography; technique and results.
Lymphology 6:19-27, Mar 73
ANIMAL EXPERIMENTS/ COLLATERAL CIRCULATION/ DOGS/ EXTREMITIES/ FEMALE/ HEAD/ *LYMPHOGRAPHY/ MALE/ MAMMAE/ METHODS/ NECK/ RECTUM/ TESTIS/ THORACIC DUCT

1315. Gierek A, Fraioli F, Samochowiec E, et al: Zachowanie się FSH w surowicy krwi kobiet chroych na jackrę prostą.
Ginekol Pol 44:403-7, Apr 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ *GLAUCOMA, blood/ HUMAN/ MENSTRUATION/ MIDDLE AGE

1316. Gigon U, Stamm O: Ursachen von intrauterinem Fruchttod.
Geburtshilfe Frauenheilkd 33:188-93, Mar 73 (Ger)
CYTOMEGALIC INCLUSION DISEASE, complications/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL, complications/ FEMALE/ *FETAL DEATH, etiology/ HEPATITIS, complications/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS, complications/ PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ PREGNANCY TOXEMIAS, complications/ RUBELLA, complications/ SYPHILIS, CONGENITAL, complications/ TOXOPLASMOSIS, CONGENITAL, complications/ UTERUS, abnormalities

1317. Gilbert RD: Inappropriate antidiuretic hormone.
Ann Intern Med 78:462, Mar 73
HEART FAILURE, CONGESTIVE, urine/ HUMAN/ HYPONATREMIA, urine/ LIVER CIRRHOSIS, urine/ MYXEDEMA, urine/ *PITUITARY DISEASES, diagnosis/ RADIOIMMUNOASSAY/ *VASOPRESSIN, urine

1318. Gilbert-Dreyfus, Peillon F, Doucet D: Maladie de Basedow familiale portant sur trois générations.
Ann Med Interne (Paris) 123:937-40, Nov 72 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BODY HEIGHT/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, familial & genetic/ GOITER, EXOPHTHALMIC, therapy/ HEMAGGLUTINATION TESTS/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ PEDIGREE/ SEX FACTORS/ THYROIDECTOMY/ THYROTROPIN, blood/ TRIIODOTHYRONINE, blood

1319. Gilboa-Garber N, Zakut V, Mizrahi L: Production of cholinesterase by Pseudomonas aeruginosa, its regulation by glucose and cyclic AMP and inhibition by antiserum.
Biochim Biophys Acta 297:120-4, 24 Jan 73
ACETYLCHOLINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ *CHOLINESTERASE, biosynthesis/ CHOLINESTERASE INHIBITORS, pharmacodynamics/ ELECTROPHORESIS/ ENZYME INDUCTION/ ENZYME REPRESSION, drug effects/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ *IMMUNE SERUMS, pharmacodynamics/ PSEUDOMONAS AERUGINOSA, drug effects/ *PSEUDOMONAS AERUGINOSA, enzymology/ RABBITS, immunology/ SUBCELLULAR FRACTIONS, enzymology

1320. Gilgenkrantz S, Cabrol C, Simon D, et al: Mosaïques chromosomiques 47, XYY-45, XO. Deux observations de sexe différent.
Nouv Presse Med 2:563-7, 3 Mar 73 (Fre)
ADOLESCENCE/ ADULT/ AUTORADIOGRAPHY/ CYTOGENETICS/ DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ MALE/ *MOSAICISM/ PHENOTYPE/ *SEX CHROMOSOMES

1321. Gilinskii MA, Vol'f NV: Mikroelektroforeticheskoe issledovanie kholinochvustvitel'nosti neironov mindalevindnogo kompleksa.
Neirofiziologiia 4:645-50, Nov-Dec 72 (Rus)
ACETYLCHOLINE, pharmacodynamics/ *AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CATS/ ELECTRIC STIMULATION/ *ELECTROPHORESIS/ ENGLISH ABSTRACT/ GLUTAMATES, pharmacodynamics/ MICROELECTRODES/ NEURAL CONDUCTION/ *NEURONS, drug effects/ *PARASYMPATHOMIMETICS, pharmacodynamics/ SODIUM, pharmacodynamics

1322. Gillard M, Letchworth AT, Chard T: Human placental lactogen levels in relation to the initiation and maintenance of labor. Obstet Gynecol 41:774-6, May 73
ADULT/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ *PROLACTIN, blood

1323. Gilsanz V, Estrada RV: Feocromocitoma diagnosticado por flebografía renal transparietal.
Rev Clin Esp 128:425-8, 15 Mar 73 (Spa)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, radiography/ HUMAN/ MALE/ METHODS/ *PHEOCHROMOCYTOMA, radiography/ *PHLEBOGRAPHY/ *RENAL VEINS, radiography

1324. Ginter E, Nemec R, Cerveň J, et al: Quantification of lowered cholesterol oxidation in guinea pigs with latent vitamin C deficiency. Lipids 8:135-41, Mar 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ AORTA, metabolism/ ASCORBIC ACID, metabolism/ *ASCORBIC ACID DEFICIENCY, metabolism/ BILE ACIDS AND SALTS, metabolism/ BRAIN, metabolism/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ GUINEA PIGS/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ LUNG, metabolism/ MALE/ MUSCLES, metabolism/ OXIDATION-REDUCTION/ SKIN, metabolism/ SPLEEN, metabolism/ TESTIS, metabolism/ TIME FACTORS/ URINE, analysis

1325. Girgis M: Histochemical localization of acetylcholinesterase enzyme in the "limbic system" of the brain of the cebus monkey (Cebus apella).
Acta Anat (Basel) 84:202-23, 1973
*ACETYLCHOLINESTERASE, analysis/ AMYGDALOID BODY, enzymology/ ANIMAL EXPERIMENTS/ CELL NUCLEUS/ FEMALE/ GANGLIA, BASAL, enzymology/ GYRUS CINGULI, enzymology/ HIPPOCAMPUS, enzymology/ HISTOCYTOCHEMISTRY/ HISTOLOGY, COMPARATIVE/ HYPOTHALAMUS, enzymology/ *LIMBIC SYSTEM, enzymology/ MALE/ MICROSCOPY, ELECTRON/ *MONKEYS/ NEURONS, enzymology/ SEPTUM PELLUCIDUM, enzymology/ THALAMIC NUCLEI, enzymology

1326. Girouard RJ, Hall BK: Pituitary-adrenal interaction and growth of the embryonic avian adrenal gland.
J Exp Zool 183:323-32, Mar 73
ADRENAL GLANDS/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, embryology/ ANIMAL EXPERIMENTS/ *CHICK EMBRYO, physiology/ CORTICOTROPIN, antagonists & inhibitors/ HYPOPHYSECTOMY/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, physiology/ TIME

FACTORS/ TISSUE EXTRACTS, pharmacodynamics

1327. **Gjelsvik A:** Bone remodeling and piezoelectricity. II. J Biomech 6:187-93, Mar 73
ATROPHY, physiopathology/ BONE AND BONES, physiology/ *BONE DEVELOPMENT/ BONE DISEASES, physiopathology/ ELECTRICITY/ FRACTURES, physiopathology/ MATHEMATICS/ MODELS, BIOLOGICAL

1328. **Glasgold AI, Boyd JE:** Otitis externa: control of bacterial and mycological infections--a preliminary report. Eye Ear Nose Throat Mon 52:94-6, Mar 73
ADOLESCENCE/ ADULT/ AGED/ *ANTI-INFECTIVE AGENTS, LOCAL, therapeutic use/ *BACTERIAL INFECTIONS, drug therapy/ CHILD/ CHILD, PRESCHOOL/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MIDDLE AGE/ *MYCOSES, drug therapy/ *OTITIS EXTERNA, drug therapy/ *PROPANEDIOLS, therapeutic use/ SOLUTIONS

1329. **Glass TG Jr:** Early debridement in pit viper bite. Surg Gynecol Obstet 136:774-6, May 73
ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ *DEBRIDEMENT/ FASCIA, surgery/ FEMALE/ FIBRINOGEN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT/ MALE/ MIDDLE AGE/ SNAKE BITES, drug therapy/ *SNAKE BITES, surgery/ TIME FACTORS

1330. **Glasser SR, Chytil F, Spelsberg TC:** Early effects of oestradiol-17 on the chromatin and activity of the deoxyribonucleic acid-dependent ribonucleic acid polymerases (I and II) of the rat uterus. Biochem J 130:947-57, Dec 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CASTRATION/ CELL NUCLEUS, enzymology/ *CHROMATIN, drug effects/ CHROMATIN, metabolism/ DNA/ ENZYME ACTIVATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HISTONES, metabolism/ KINETICS/ MYCOTOXINS, pharmacodynamics/ OVARY/ RATS/ RNA POLYMERASE, antagonists & inhibitors/ *RNA POLYMERASE, metabolism/ TIME FACTORS/ URACIL NUCLEOTIDES, metabolism/ UTERUS, drug effects/ *UTERUS, enzymology

1331. **Glick SD, Greenstein S:** Pharmacological inhibition of eating, drinking and prandial drinking. Behav Biol 8:55-61, Jan 73
ANIMAL EXPERIMENTS/ APPETITE REGULATION, drug effects/ *DEXTRO AMPHETAMINE, pharmacodynamics/ *DRINKING BEHAVIOR, drug effects/ DRUG SYNERGISM/ *EATING, drug effects/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ HUNGER/ HYPOTHALAMUS, drug effects/ INHIBITION, NEURAL, drug effects/ *MECAMYLAMINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ SATIATION/ *SCOPOLAMINE, pharmacodynamics/ SYNAPSES, drug effects/ THIRST

1332. **Glick SD, Greenstein S:** Facilitation of recovery after lateral hypothalamic damage by prior ablation of frontal cortex. Nature [New Biol] 239:187-8, 11 Oct 72
ANIMAL EXPERIMENTS/ *APPETITE REGULATION/ BODY WEIGHT/ *CEREBRAL CORTEX, physiology/ DENERVATION/ FEMALE/ *HYPOTHALAMUS, physiology/ NERVE DEGENERATION/ RATS/ TIME FACTORS

1333. **Glucksberg H, Fefer A:** Combination chemotherapy for clinically established graft-versus-host disease in mice. Cancer Res 33:859-61, Apr 73
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BENZOATES, therapeutic use/ COMPARATIVE STUDY/ CORTISONE, therapeutic use/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ *GRAFT VS HOST REACTION, drug effects/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ *SPLEEN, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1334. **Gluxman AM, Duplik ZK, Kostinov LD:** Osiozhnenila kortikosteroidnoi terapii. Khirurgiia (Mosk) 49:112-6, Feb 72 **(Rus)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CORTISONE, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, adverse effects/ MALE/ MEDICATION ERRORS/ MIDDLE AGE/ PANCREATITIS, chemically induced/ PEPTIC ULCER, chemically induced/ PREDNISOLONE, adverse effects

1335. **Gnad HD, Martenet AC:** Kongenitales Glaukom und Cortison. Klin Monatsbl Augenheilkd 162:86-90, Jan 73 **(Ger)**
CONJUNCTIVITIS, drug therapy/ CORTISONE, adverse effects/ CORTISONE, therapeutic use/ DEXAMETHASONE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GLAUCOMA, chemically induced/ GLAUCOMA, congenital/ GLAUCOMA, diagnosis/ HUMAN/ INFANT/ INTRAOCULAR PRESSURE/ LACRIMAL DUCT OBSTRUCTION, drug therapy/ MALE/ PREDNISOLONE, TOPICAL, adverse effects

1336. **Gnarpe H, Friberg J:** T-mycoplasmas as a possible cause for reproductive failure. Nature 242:120-1, 9 Mar 7
*CERVIX DISEASES, complications/ CERVIX DISEASES, drug therapy/ CERVIX DISEASES, microbiology/ CERVIX MUCUS, microbiology/ DOXYCYCLINE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MYCOPLASMA, isolation & purification/ *MYCOPLASMA INFECTIONS, complications/ MYCOPLASMA INFECTIONS, drug therapy/ PREGNANCY/ SEMEN, microbiology/ STERILITY, drug therapy/ *STERILITY, etiology/ STERILITY, FEMALE, etiology/ STERILITY, MALE, etiology/ *TESTICULAR DISEASES, complications/ TESTICULAR DISEASES, drug therapy/ TESTICULAR DISEASES, microbiology

1337. **Gnatyshak EA:** Osadochnaia reaktsiia na rak, geksokinaza i poliarografiia syvorotki krovi v raspoznavanii zlokachestvennykh opukholei. Vrach Delo 12:96-7, Dec 72 **(Rus)**
*BREAST NEOPLASMS, diagnosis/ *CERVIX NEOPLASMS, diagnosis/ *ENZYME TESTS/ FEMALE/ *HEXOKINASE, blood/ HUMAN/ *LUNG NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, diagnosis/ *POLAROGRAPHY/ *PRECIPITIN TESTS/ *STOMACH NEOPLASMS, diagnosis/ *UTERINE NEOPLASMS, diagnosis

1338. **Gociu M:** Management of malignant lymphomas. Rev Roum Med Intern 10:91-108, 1973 (86 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ *ALKYLATING AGENTS, therapeutic use/ HODGKIN'S DISEASE, classification/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, therapy/ HUMAN/ LYMPHOMA, classification/ LYMPHOMA, drug therapy/ LYMPHOMA, pathology/ LYMPHOMA, radiotherapy/ *LYMPHOMA, therapy/ LYMPHOSARCOMA, therapy/ PROCARBAZINE, therapeutic use/ REVIEW/ SARCOMA, RETICULUM CELL, therapy/ VINCA ALKALOIDS, therapeutic use

1339. **Goddé-Jolly D, Ruellan YM, Bremme C, et al:** Trois observations de cataracte survenue chez des femmes prenant le même contraceptif par voie orale. S'agit-il d'une coïncidence.

Bull Soc Ophtalmol Fr 12:441-2, Apr 72 (Fre)
ADULT/ *CATARACT, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ NORGESTREL, adverse effects

1340. Godefroi VC, Brooks SC: Improved gel-filtration method for analysis of estrogen receptor binding.
Anal Biochem 51:335-44, Feb 73
ANIMAL EXPERIMENTS/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, pathology/ CYTOPLASM, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ GEL FILTRATION/ HUMAN/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ METHODS/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ UTERUS, metabolism

1341. Godfraind T: Pharmacologie des recepteurs digitaliques.
Bull Acad R Med Belg 12:403-48, 1972 (68 ref.) (Fre)
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CARDIAC GLYCOSIDES, metabolism/ *CARDIAC GLYCOSIDES, pharmacodynamics/ CELL MEMBRANE, drug effects/ DIGITOXIN, pharmacodynamics/ DIGOXIN, pharmacodynamics/ ENGLISH ABSTRACT/ GUINEA PIGS/ HEART ATRIUM, drug effects/ MICROSOMES, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OUABAIN, pharmacodynamics/ *RECEPTORS, DRUG, drug effects/ REVIEW/ SODIUM, metabolism/ TRITIUM

1342. Godin O, Biondiau P, Lauwers P, et al: La pathergie à l'humidité. Etude hydrogéologique de la région bruxelloise.
Acta Otorhinolaryngol Belg 26:387-460, 1972 (Fre)
ADAPTATION, PHYSIOLOGICAL/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ALTITUDE/ ANTIHISTAMINICS, therapeutic use/ BELGIUM/ CALCIUM, therapeutic use/ CHILD/ ENGLISH ABSTRACT/ ENVIRONMENT/ ENVIRONMENTAL EXPOSURE/ FATIGUE, etiology/ HUMAN/ *HUMIDITY/ HYPERSENSITIVITY, drug therapy/ *HYPERSENSITIVITY, occurrence/ NASAL MUCOSA/ PEPTONES, therapeutic use/ RESPIRATORY HYPERSENSITIVITY, drug therapy/ RESPIRATORY HYPERSENSITIVITY, etiology/ SOIL/ TRANQUILIZING AGENTS, therapeutic use/ WEATHER

1343. Goebel KM, Gassel WD, Goebel FD: Evaluation of azathioprine in autoimmune thrombocytopenia and lupus erythematosus.
Scand J Haematol 10:28-34, 1973
ADULT/ AUTOIMMUNE DISEASES, drug therapy/ *AZATHIOPRINE, therapeutic use/ BLOOD CELL COUNT/ FEMALE/ HUMAN/ IMMUNITY, CELLULAR, drug effects/ IMMUNOGLOBULINS, analysis/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ *PURPURA, THROMBOTIC THROMBOPENIC, drug therapy/ PURPURA, THROMBOTIC THROMBOPENIC, immunology

1344. Goebell H, Steffen C, Baltzer G, et al: Stimulation of pancreatic secretion of enzymes by acute hypercalcaemia in man.
Eur J Clin Invest 3:98-104, Mar 73
ADULT/ BICARBONATES, analysis/ CALCIUM, analysis/ CALCIUM, pharmacodynamics/ CHYMOTRYPSIN, analysis/ DUODENUM/ ENZYME INDUCTION/ FEMALE/ HUMAN/ *HYPERCALCEMIA, physiopathology/ INTESTINAL SECRETIONS, analysis/ INTESTINAL SECRETIONS, enzymology/ LIPASE, analysis/ MALE/ MIDDLE AGE/ PANCREAS, drug effects/ *PANCREAS, secretion/ PANCREATIC JUICE, analysis/ PANCREATIC JUICE, enzymology/ PANCREOZYMIN, pharmacodynamics/ SECRETIN, pharmacodynamics/ TRYPSIN, analysis

1345. Goebelsmann U, Horton R, Mestman JH, et al: Male pseudohermaphroditism due to testicular 17-hydroxysteroid dehydrogenase deficiency.
J Clin Endocrinol Metab 36:867-79, May 73
ANDROSTENEDIONE, blood/ CORTICOTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ ESTRADIOL, blood/ ESTRADIOL, urine/ ESTRIOL, urine/ ESTRONE, blood/ ESTRONE, urine/ FEMALE/ FLUOXYMESTERONE, diagnostic use/ FSH, blood/ HUMAN/ HYDROXYPROGESTERONE, blood/ *HYDROXYSTEROID DEHYDROGENASE/ 17-KETOSTEROIDS, urine/ LH, blood/ *METABOLISM, INBORN ERRORS/ MIDDLE AGE/ NITROGEN, urine/ PROGESTERONE, blood/ *PSEUDOHERMAPHRODITISM/ TESTIS, pathology/ TESTOSTERONE, blood/ TESTOSTERONE, diagnostic use

1346. Goerttler U: Anlagebedingte Gefässanomalien am Aortenbogen. Diagnostische und differentialdiagnostiche Erwägungen.
Bruns Beitr Klin Chir 220:163-78, Apr 73 (Ger)
ADULT/ AGED/ *AORTA, THORACIC, abnormalities/ AORTIC ANEURYSM, diagnosis/ AORTIC DISEASES, diagnosis/ AORTOGRAPHY/ *ARTERIOVENOUS MALFORMATIONS, diagnosis/ ARTERIOVENOUS MALFORMATIONS, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, SUBSTERNAL, diagnosis/ HUMAN/ KYMOGRAPHY/ MALE/ MEDIASTINAL NEOPLASMS, diagnosis/ MIDDLE AGE/ SUBCLAVIAN ARTERY, embryology/ TOMOGRAPHY

1347. Goerz G, Jantzen W, Pichler G: Lyell-Syndrom.
Med Klin 68:404-9, 30 Mar 73 (Ger)
ADOLESCENCE/ AGED/ ALOPECIA, complications/ ANTISEPSIS/ DRUG HYPERSENSITIVITY/ ENGLISH ABSTRACT/ EPIDERMAL NECROLYSIS, TOXIC, complications/ EPIDERMAL NECROLYSIS, TOXIC, drug therapy/ EPIDERMAL NECROLYSIS, TOXIC, etiology/ *EPIDERMAL NECROLYSIS, TOXIC, therapy/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ MIDDLE AGE/ NAILS/ PREDNISOLONE, therapeutic use/ SKIN APPENDAGE DISEASES, etiology

1348. Goette DK: Dermatrophy from long-term occulsive topical corticosteroid therapy.
South Med J 66:542-6, May 73
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ ATROPHY/ FEMALE/ HAND DERMATOSES, drug therapy/ HUMAN/ ICHTHYOSIS, drug therapy/ LEG DERMATOSES, drug therapy/ MIDDLE AGE/ *OCCLUSIVE DRESSINGS, adverse effects/ PSORIASIS, drug therapy/ *SKIN DISEASES, chemically induced/ TRIAMCINOLONE ACETONIDE, adverse effects

1349. Goisis M, Oppo GT, Grossi F: Indagini tromboelastografiche sugli effetti di un nuovo estrogeno non steroideo sulla emocoagulazione.
Minerva Ginecol 25:146-52, Mar 73 (Ita)
ADULT/ AGED/ *BLOOD COAGULATION, drug effects/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ HUMAN/ *LACTONES, pharmacodynamics/ MENOPAUSE/ MIDDLE AGE/ PROTHROMBIN TIME/ *RESORCINOL, pharmacodynamics/ *THROMBELASTOGRAPHY

1350. Goi abek W: Wpływ wihracji na zawartość amin katecholowych w mózgu, nadnerczach i śledzionie.
Acta Physiol Pol 23:1011-9, Nov-Dec 72 (Pol)

*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CATECHOLAMINES, biosyntbesis/ *CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ FEMALE/ FLUOROMETRY/ MALE/ NOREPINEPHRINE, metabolism/ PHENOBARBITAL, metabolism/ PHYSICAL STIMULATION/ RATS/ SPLEEN, innervation/ *SPLEEN, metabolism/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS/ *VIBRATION

1351. **Goldberg ME, Dubnick B, Hefner M, et al:** Influence of chlorpromazine on brain serotonin turnover and body temperature in isolated aggressive mice.
Neuropbarmacology 12:249-60, Mar 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ *CHLORPROMAZINE, pharmacodynamics/ FEMALE/ MALE/ MICE/ MONOAMINE OXIDASE, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ PARGYLINE, pbarmacodynamics/ *SEROTONIN, metabolism/ SOCIAL ISOLATION

1352. **Goldenberg IS, McMahan CA, Escher GC, et al:** Secondary cbemotberapy of advanced breast cancer.
Cancer 31:660-3, Mar 73
ADULT/ AGED/ *BREAST NEOPLASMS, drug tberapy/ BREAST NEOPLASMS, mortality/ CHLORAMBUCIL, administration & dosage/ *CHLORAMBUCIL, therapeutic use/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, tberapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, administration & dosage/ *PREDNISONE, tberapeutic use/ REMISSION/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, tberapeutic use

1353. **Goldenberg RL, Grodin JM, Vaitukaitis JL, et al:** Withdrawal bleeding and luteinizing bormone secretion following progesterone in women witb amenorrbea. Am J Obstet Gynecol 115:193-6, 15 Jan 73
ADOLESCENCE/ ADULT/ AMENORRHEA, blood/ *AMENORRHEA, drug tberapy/ AMENORRHEA, pbysiopathology/ CLOMIPHENE, tberapeutic use/ *DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ FSH, blood/ FSH, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ LH, blood/ *LH, secretion/ OVULATION/ *PROGESTERONE, diagnostic use/ PROGESTERONE, therapeutic use/ *UTERINE HEMORRHAGE, etiology

1354. **Goldenberg RL, Reiter EO, Vaitukaitis JL, et al:** Hormonal factors influencing ovarian uptake of buman chorionic gonadotropin.
Endocrinology 92:1565-7, May 73
ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, pbarmacodynamics/ FEMALE/ FSH, pbarmacodynamics/ *GONADOTROPINS, CHORIONIC, metabolism/ GONADOTROPINS, CHORIONIC, pbarmacodynamics/ HYPOPHYSECTOMY/ ORGAN WEIGHT/ OVARY, drug effects/ *OVARY, metabolism/ PROGESTERONE, pbarmacodynamics/ RATS/ TRITIUM

1355. **Golder MP, Boyns AR:** Distribution of adrenocorticotrophic bormone-stimulated adenylate cyclase in the adrenal cortex.
J Endocrinol 56:471-81, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, analysis/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, antagonists & inhibitors/ *CORTICOTROPIN, pbarmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION/ FLUORIDES, pharmacodynamics/ FREEZING/ GUINEA PIGS/ HYPOPHYSECTOMY/ INJECTIONS, INTRAVENOUS/ INSULIN, pharmacodynamics/ MALE/ PHOSPHORUS ISOTOPES/ PITUITARY GLAND, physiology/ RATS/ TRITIUM

1356. **Goldfield EB, Braiker BM, Prendergast JJ, et al:** Synthetic salmon calcitonin. Treatment of Paget's disease and osteogenesis imperfecta.
JAMA 221:1127-9, 4 Sep 72
AGED/ ALKALINE PHOSPHATASE, blood/ BONE RESORPTION, drug therapy/ CALCIUM, urine/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, enzymology/ OSTEITIS DEFORMANS, metabolism/ *OSTEOGENESIS IMPERFECTA, drug therapy/ OSTEOGENESIS IMPERFECTA, enzymology/ OSTEOGENESIS IMPERFECTA, urine/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, tberapeutic use

1357. **Goldman L, Kitzmiller KW:** Perianal atrophoderma from topical corticosteroids.
Arch Dermatol 107:611-2, Apr 73
ADULT/ AGED/ ANUS/ ATROPHY, chemically induced/ *FLUOCINOLONE ACETONIDE, adverse effects/ FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PERINEUM/ PRURITUS ANI, drug therapy/ *SKIN DISEASES, chemically induced/ TIME FACTORS/ *TRIAMCINOLONE ACETONIDE, adverse effects/ TRIAMCINOLONE ACETONIDE, therapeutic use

1358. **Goldman SJ, Stanbury JB:** The metabolism of perchlorate in tbe rat.
Endocrinology 92:1536-8, May 73
ANIMAL EXPERIMENTS/ CHLORINE/ HALF-LIFE/ IODINE ISOTOPES/ MALE/ PERCHLORIC ACIDS, blood/ *PERCHLORIC ACIDS, metabolism/ PERCHLORIC ACIDS, urine/ RADIOISOTOPES/ RATS/ *THYROID GLAND, metabolism/ TIME FACTORS

1359. **Goldstein DJ, Diaz A, Finkielman S, et al:** Regulation o the in vitro synthesis of angiotensin I.
Proc Soc Exp Biol Med 142:793-5, Mar 73
*ANGIOTENSIN, biosynthesis/ ANIMAL EXPERIMENTS/ *DACTINOMYCIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ IN VITRO/ KIDNEY GLOMERULUS, drug effects/ *KIDNEY GLOMERULUS, metabolism/ KINETICS/ MALE/ *PUROMYCIN, pharmacodynamics/ RATS/ RENIN, metabolism

1360. **Goldyne ME, Winkelmann RK:** In vitro effects o prostaglandin E 2 on cutaneous vascular smooth muscle in the dog and in man.
J Invest Dermatol 60:258-62, May 73
ANIMAL EXPERIMENTS/ *ARTERIES, drug effects/ CALCIUM, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ DOGS/ EPINEPHRINE, pbarmacodynamics/ HUMAN/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *SKIN, blood supply

1361. **Golob E, Wagenbichler P:** Geschlechtschromatin un Fluoreszenzkörperchen in Mundschleimhautabstrichen von 1000 Neugeborener
Geburtshilfe Frauenheilkd 33:86-92, Feb 73 (Ger
AUSTRIA/ CHEEK/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENCE/ HUMAN/ INFANT, NEWBORN/ KLINEFELTER'S SYNDROME, diagnosis/ MALE/ MASS SCREENING/ METHODS/ MOUTH MUCOSA/ *SEX CHROMATIN/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX DETERMINATION

1362. **Golovachev GD:** Genetika i problema reprodukts

cheloveka.
Vestn Akad Med Nauk SSSR 27:37-43, Nov 72 (Rus)
ADULT/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, occurrence/ CHROMOSOMES, HUMAN, 13-15/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, occurrence/ MALE/ MONGOLISM, occurrence/ SEX CHROMOSOME ABNORMALITIES, occurrence/ TRISOMY/ USSR

1363. **Gomarasca P, Galimberti E, Cerutti S:** Aumento di attività enzimatiche indotte da formildienolone. I. Succinodeidrasi.
Boll Chim Farm 111:731-9, Dec 72 (Ita)
*ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ENZYME INDUCTION, drug effects/ FORMIC ACIDS/ HYDROXYSTEROIDS/ KETOSTEROIDS/ LIVER, enzymology/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ RATS/ *SUCCINATE DEHYDROGENASE, metabolism

1364. **Gomez MV, Dal ME, Diniz CR:** Effect of scorpion venom, tityustoxin, on the release of acetylcholine from incubated slices of rat brain.
J Neurochem 20:1051-61, Apr 73
*ACETYLCHOLINE, metabolism/ ADRENAL CORTEX HORMONES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CALCIUM, pharmacodynamics/ CATIONS, MONOVALENT/ COCAINE, pharmacodynamics/ FEMALE/ GLUCOSE, pharmacodynamics/ GUINEA PIGS/ HEMICHOLINIUM 3, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ ILEUM, physiology/ KINETICS/ MALE/ RATS/ *SCORPIONS/ TETRODOTOXIN, pharmacodynamics/ TIME FACTORS/ *VENOMS, pharmacodynamics

1365. **Gona AG:** Effects of thyroxine, thyrotropin, prolactin, and growth hormone on the maturation of the frog cerebellum. Exp Neurol 38:494-501, Mar 73
ANIMAL EXPERIMENTS/ CEREBELLUM, anatomy & histology/ CEREBELLUM, drug effects/ *CEREBELLUM, growth & development/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FROGS/ *PROLACTIN, pharmacodynamics/ RANA CATESBEIANA, growth & development/ *SOMATOTROPIN, pharmacodynamics/ *THYROTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics

1366. **Goncharova EE, Kocherga VI, Chugai GN:** Vplyv melipraminu na obmin vuhlevodiv i monoaminiv u holovnomu mozku rezerpinizovannykh shchuriv.
Ukr Biokhim Zh 44:154-9, 1972 (Ukr)
ADMINISTRATION, ORAL/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ *CARBOHYDRATES, metabolism/ ENGLISH ABSTRACT/ GLUCOSE, analysis/ GLYCOGEN, analysis/ *IMIPRAMINE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LACTATES, analysis/ METHODS/ NOREPINEPHRINE, analysis/ PHOSPHATES, analysis/ RATS/ *RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ TRANSFERASES, analysis

1367. **Gondos B:** Germ cell degeneration and intercellular bridges in the human fetal ovary.
Z Zellforsch Mikrosk Anat 138:23-30, 21 Mar 73
CELL NUCLEUS/ CHROMATIN/ CYTOPLASMIC GRANULES/ FEMALE/ FETUS, cytology/ *GERM CELLS/ GESTATIONAL AGE/ HUMAN/ *INTERCELLULAR JUNCTIONS/ MICROSCOPY, ELECTRON/ MORPHOGENESIS/ ORGANOIDS/ *OVARY, embryology/ OVUM, cytology/ PHAGOCYTOSIS

1368. **Gondos B, Renston RH, Conner LA:** Ultrastructure of germ cells and Sertoli cells in the postnatal rabbit testis. Am J Anat 136:427-39, Apr 73
ANIMAL EXPERIMENTS/ MALE/ MICROSCOPY, ELECTRON/ *RABBITS, anatomy & histology/ *SERTOLI CELLS, cytology/ SPERMATOGENESIS/ *SPERMATOZOA, cytology/ *TESTIS, cytology/ TESTIS, growth & development/ TIME FACTORS

1369. **Gontscharow NP, Komor A, Wehrberger K, et al:** Steroidstoffwechsel bei Primaten. XIV. Einfluss der langzeitbehandlung mit Ovosiston auf die Sekretion von Steroiden des nebennierenvenenblutes bei Papio hamadryas.
Endokrinologie 60:379-81, 1972 (Ger)
ADRENAL GLANDS, blood supply/ ANDROSTENES, blood/ ANIMAL EXPERIMENTS/ *BABOONS, metabolism/ CHLORMADINONE, pharmacodynamics/ DEHYDROEPIANDROSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ HORMONES, metabolism/ MESTRANOL, pharmacodynamics/ MONKEYS/ PREGNENOLONE, blood/ PROGESTERONE, blood/ TIME FACTORS/ VEINS

1370. **González-Montesinos F, Tanimoto-Weki M, Vázquez-Saavedra JA, et al:** Efecto de los estrógenos en hamsters con amibiasis en el hígado.
Arch Invest Med (Mex) 2:Suppl 2:335-40, 1972 (Spa)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ *ESTROGENS, therapeutic use/ FEMALE/ HAMSTERS/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ *LIVER ABSCESS, AMEBIC, drug therapy/ MALE/ MENOPAUSE/ SEX FACTORS

1371. **Goodlet I, Sugrue MF:** Effects of acutely administered analgesic drugs on rat brain 5-hydroxytryptamine turnover. Br J Pharmacol 46:562P-563P, Nov 72
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ MEPERIDINE, pharmacodynamics/ METHADONE, pharmacodynamics/ MORPHINE, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PENTAZOCINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism

1372. **Goodman DH:** Systemic fungal infection complications in asthmatic patients treated with steroids.
Ann Allergy 31:205-8, Apr 73
AMPHOTERICIN B, therapeutic use/ *ASTHMA, complications/ ASTHMA, drug therapy/ COCCIDIOIDOMYCOSIS, chemically induced/ COCCIDIOIDOMYCOSIS, drug therapy/ COMPLEMENT FIXATION TESTS/ FEMALE/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ HISTOPLASMOSIS, chemically induced/ HISTOPLASMOSIS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ *MYCOSES, chemically induced/ NOCARDIA INFECTIONS, chemically induced/ NOCARDIA INFECTIONS, drug therapy/ PREDNISONE, therapeutic use/ SULFADIAZINE, therapeutic use

1373. **Goodman JM, Gilson M, Shapiro B:** Pituitary apoplexy--a cause of sudden blindness.
J Indiana State Med Assoc 66:320-1, May 73
*ADENOMA, CHROMOPHOBE, complications/ *BLINDNESS, etiology/ CASE REPORT/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications

1374. **Gordon A, Surks MI, Oppenheimer JH:** Thyroxine stimulation of amino acid incorporation into mitochondrial protein: differences between in vivo and in vitro effects.
Acta Endocrinol (Kbh) 72:684-96, Apr 73
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHLORAMPHENICOL, pharmacodynamics/

GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HYPOTHYROIDISM, metabolism/ IN VITRO/ INCUBATORS/ *LEUCINE, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION/ PRECIPITATION/ *PROTEINS, biosynthesis/ RATS/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ STIMULATION, CHEMICAL/ *THYROXINE, pharmacodynamics

1375. **Gordon NH, Scott DB, Percy Robb IW:** Modification of plasma corticosteroid concentrations during and after surgery by epidural blockade.
Br Med J 1:581-3, 10 Mar 73
*ADRENAL CORTEX HORMONES, blood/ *ANESTHESIA, EPIDURAL/ ANESTHESIA, GENERAL/ BUPIVACAINE/ FEMALE/ HUMAN/ HYSTERECTOMY/ LIDOCAINE/ PREANESTHETIC MEDICATION/ *SURGERY, OPERATIVE/ TIME FACTORS

1376. **Göretzlehner G, Wilken H:** Das Verhalten der LH-Ausscheidung im ovulatorischen Zyklus und unter der Therapie mit verschiedenen Östrogen-Gestagen-Kombinationen.
Endokrinologie 60:302-8, 1972 (Ger)
ADULT/ CHLORMADINONE, therapeutic use/ ENGLISH ABSTRACT/ *ESTROGENS, therapeutic use/ ESTRONE, therapeutic use/ FEMALE/ HUMAN/ *LH, urine/ MENSTRUATION/ MESTRANOL, therapeutic use/ NORETHINDRONE, therapeutic use/ *PROGESTATIONAL HORMONES, therapeutic use/ QUINESTROL, therapeutic use

1377. **Gorlin RJ, Poznanski AK, Hendon I:** The oto-palato-digital (OPD) syndrome in females.
Oral Surg 35:218-24, Feb 73
ABNORMALITIES, MULTIPLE/ AUTOSOME ABNORMALITIES/ *BONE DISEASES, DEVELOPMENTAL/ *CLEFT PALATE/ *DEAFNESS/ *DWARFISM/ FACIAL EXPRESSION/ FEMALE/ HUMAN/ MENTAL RETARDATION/ SYNDROME

1378. **Görög S, Szepesi G:** New method for determination of 21-hydroxy corticosteroids.
Anal Chem 44:1079-81, May 72
*HYDROXYCORTICOSTEROIDS, analysis/ METHODS/ QUINOXALINES, analysis/ SPECTROPHOTOMETRY

1379. **Gosink BB, Friedman PJ, Liebow AA:** Bronchiolitis obliterans. Roentgenologic-pathologic correlation.
Am J Roentgenol Radium Ther Nucl Med 117:816-32, Apr 73
ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ BRONCHIAL DISEASES, chemically induced/ BRONCHIAL DISEASES, etiology/ BRONCHIAL DISEASES, pathology/ *BRONCHIAL DISEASES, radiography/ BRONCHIAL DISEASES, therapy/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ NITRIC OXIDE/ PNEUMONIA, complications/ RESPIRATORY TRACT INFECTIONS, complications

1380. **Gosuen LC, Santos-Pinto R dos, Okamoto T, et al:** Processo de reparo em ferida de extra,cão dental após tiroparatiroidectomia. Estudo histológico em ratos.
Rev Bras Pesqui Med Biol 5:229-35, Sep-Dec 72 (Por)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MALE/ *PARATHYROID GLANDS, physiology/ RATS/ *THYROIDECTOMY/ *TOOTH EXTRACTION/ *WOUND HEALING

1381. **Goswami PK, Kakoti LM:** Adenocarcinoma of the testis in a child of 3 years.
Indian J Med Sci 27:28-30, Jan 73
CHILD, PRESCHOOL/ HUMAN/ MALE/ *TERATOID TUMOR/ TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology

1382. **Göthert M, Dreyer C:** Inhibitory effect of halothane anaesthesia on catecholamine release from the adrenal medulla.
Naunyn Schmiedebergs Arch Pharmacol 277:253-66, 1973
ACID-BASE EQUILIBRIUM, drug effects/ *ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, secretion/ ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *CATECHOLAMINES, secretion/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EPINEPHRINE, blood/ FEMALE/ *HALOTHANE, pharmacodynamics/ MALE/ NOREPINEPHRINE, blood/ OXYGEN, blood/ PARTIAL PRESSURE/ PENTOBARBITAL/ SPLANCHNIC NERVES, physiology

1383. **Göthert M, Tuchinda P, Baumgarten HG:** Pressor effect of indolethylamines.
Eur J Pharmacol 21:242-5, Feb 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ COCAINE, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, metabolism/ PHENTOLAMINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RESERPINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ TIME FACTORS/ *TRYPTAMINES, pharmacodynamics

1384. **Gotlin RW:** Sleep and growth hormone.
Br Med J 1:744, 24 Mar 73
HUMAN/ PITUITARY GLAND, secretion/ *SLEEP/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

1385. **Gotlin RW, Dubois RS:** Nyctohemeral growth hormone levels in children with growth retardation and inflammatory bowel disease.
Gut 14:191-5, Mar 73
ADOLESCENCE/ ARGININE, metabolism/ BLOOD SUGAR/ CHILD/ *CIRCADIAN RHYTHM/ *COLITIS, ULCERATIVE, blood/ COLITIS, ULCERATIVE, complications/ *ENTERITIS, REGIONAL, blood/ ENTERITIS, REGIONAL, complications/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ *GROWTH DISORDERS, blood/ GROWTH DISORDERS, complications/ HUMAN/ INSULIN, blood/ 17-KETOSTEROIDS, urine/ MALE/ SHEEP/ *SOMATOTROPIN, blood/ THYROID GLAND FUNCTION TESTS

1386. **Goto M, Wada Y:** [Membrane excitation and contraction of myocardial cells]
Jap J Clin Med 31:45-51, Jan 73 (49 ref.) (Jap)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CELL MEMBRANE, physiology/ CELL MEMBRANE PERMEABILITY/ ELECTROPHYSIOLOGY/ HEART, metabolism/ *HEART, physiology/ *MEMBRANE POTENTIALS/ MYOCARDIUM, cytology/ REVIEW/ SODIUM, metabolism

1387. **Gotshall RW, Davis JO:** Mineralocorticoid activity of 18-hydroxydeoxycorticosterone in the dog.
Am J Physiol 224:1116-8, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE, pharmacodynamics/ DOGS/ FEMALE/ *MINERALOCORTICOIDS, pharmacodynamics/ *NATRIURESIS, drug effects/ *POTASSIUM, urine/ TIME FACTORS

1388. **Götze KJ:** Progredienter Verlauf einer Osteoarthropathia diabetica.
Zentralbl Chir 98:101-3, 19 Jan 73 (Ger
ACIDOSIS, DIABETIC, complications/ ADULT/ *ARTHROPATHY, NEUROGENIC, etiology/ CASE REPORT/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, radiography/ DIABETIC ANGIOPATHIES, complications/ DIABETIC NEUROPATHIES, complications/ FOOT/ HUMAN/ JOINT DISEASES, radiography/ MALE/

OSTEOPOROSIS, etiology/ TARSAL BONES, radiography

1389. **Gould KG, Cline EM, Williams WL:** Observations on the induction of ovulation and fertilization in vitro in the squirrel monkey (Saimiri sciureus).
Fertil Steril 24:260-8, Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ *FERTILIZATION, drug effects/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ MODELS, BIOLOGICAL/ *MONKEYS, physiology/ *OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ VAGINAL SMEARS

1390. **Gourmelen M, Donnadieu M, Schimpff RM, et al:** Effet du chlorhydrate d'ornithine sur le taux plasmatique de l'hormone de croissance (HGH.
Ann Endocrinol (Paris) 33:526-8, Sep-Oct 72 (Fre)
ADOLESCENCE/ ARGININE, pharmacodynamics/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, metabolism/ INFUSIONS, PARENTERAL/ *ORNITHINE, pharmacodynamics/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

1391. **Gowland E, Jones RA:** The effect of oral norethisterone on serum lipid levels in premenopausal women.
J Obstet Gynaecol Br Commonw 80:357-9, Apr 73
CHLORMADINONE/ CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL/ ESTROGENS/ FEMALE/ HUMAN/ *LIPIDS, blood/ *NORETHINDRONE, pharmacodynamics/ TRIGLYCERIDES, blood

1392. **Goyal HO, Dhingra LD:** A study on the postnatal histology of the testis in buffalo (Bubalus bubalis). I. From birth to one year.
Acta Anat (Basel) 84:237-50, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ *BUFFALOES, anatomy & histology/ CELL DIFFERENTIATION/ CONNECTIVE TISSUE CELLS/ HISTOLOGICAL TECHNICS/ LEYDIG CELLS/ MALE/ MORPHOGENESIS/ MUSCLE, SMOOTH, cytology/ SERTOLI CELLS/ *TESTIS, cytology/ TESTIS, growth & development

1393. **Grabner W:** Kortikoid-Langzeitbehandlung. Erwünschte und unerwünschte Wirkungen.
Fortschr Med 91:517-22, 26 Apr 73 (Ger)
ANTI-INFLAMMATORY AGENTS/ DIABETES MELLITUS, chemically induced/ EDEMA, chemically induced/ EYE DISEASES, chemically induced/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS/ OSTEOPOROSIS, chemically induced/ PARAMETHASONE, adverse effects/ PEPTIC ULCER, chemically induced/ PREDNISONE, adverse effects/ SKIN DISEASES, chemically induced/ TIME FACTORS/ TRIAMCINOLONE, adverse effects/ WATER-ELECTROLYTE BALANCE

1394. **Grabski J, Narbutt B, Koczorowski Z, et al:** Morfologia i czynność gonady męskiej w niepłodności typu azoospermii.
Ginekol Pol 44:299-307, Mar 73 (Pol)
ADULT/ BIOPSY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SPERMATOZOA/ *STERILITY, MALE, etiology/ *TESTIS, pathology

1395. **Grace HJ, Quinlan DK, Edge WE:** 45,X lymphocyte karyotype in a fertile woman.
Am J Obstet Gynecol 115:279-82, 15 Jan 73
DERMATOGLYPHICS/ *FERTILITY/ KARYOTYPING/ *LYMPHOCYTES, cytology/ MENSTRUATION/ OVULATION/ PHENOTYPE/ SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, physiopathology

1396. **Gradowska L:** Zespół nerczycowy.
Pol Arch Med Wewn 50:170-9, Feb 73 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ ALDOSTERONE, secretion/ ANTIGEN-ANTIBODY REACTIONS/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ BASEMENT MEMBRANE, immunology/ CELL MEMBRANE PERMEABILITY/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, blood supply/ KIDNEY GLOMERULUS, immunology/ MALE/ MINERALOCORTICOIDS, secretion/ *NEPHROTIC SYNDROME/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ VASOPRESSIN, secretion

1397. **Graeber RC, Ebbesson SO:** Retinal projections in the lemon shark (Negaprion brevirostris).
Brain Behav Evol 5:461-77, 1972
ANIMAL EXPERIMENTS/ HYPOTHALAMUS, anatomy & histology/ MESENCEPHALON, anatomy & histology/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ *RETINA, anatomy & histology/ *SHARKS, anatomy & histology/ SPECIES SPECIFICITY/ SUPERIOR COLLICULUS, anatomy & histology/ THALAMUS, anatomy & histology/ *VISUAL PATHWAYS, anatomy & histology

1398. **Graff G, Lancet M, Victor A, et al:** [Ovarian tumors in children]
Harefuah 83:568-70, 15 Dec 72 (Heb)
ADENOFIBROMA, diagnosis/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, diagnosis/ DERMOID CYST, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN CYSTS, diagnosis/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, surgery/ TERATOID TUMOR, diagnosis

1399. **Grafnetter D, Shimamoto T, Numano F:** Metabolic effect of pyridinolcarbamate on rats kept on a high-fat and cholesterol diet or treated with calciferol.
Cor Vasa 15:58-69, 1973
ANIMAL EXPERIMENTS/ AORTA, metabolism/ ARTERIOSCLEROSIS, drug therapy/ BLOOD SUGAR/ CALCIUM, metabolism/ *CARBAMATES, administration & dosage/ CARBAMATES, therapeutic use/ CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ DIET, ATHEROGENIC/ DIETARY FATS, administration & dosage/ DRUG INTERACTIONS/ *ERGOCALCIFEROL, administration & dosage/ FATTY ACIDS, blood/ FEMALE/ LIPIDS, blood/ LIPIDS, metabolism/ LIPOPROTEIN LIPASE, metabolism/ LIVER, metabolism/ METABOLISM, drug effects/ MYOCARDIUM, metabolism/ PHOSPHOLIPIDS, blood/ RATS

1400. **Grahame-Smith DG:** The prevention by inhibitors of brain proptein synthesis of the hyperactivity and hyperpyrexia produced in rats by monoamine oxidase inhibition and the administration of L-tryptophan or 5-methoxy-N,N-dimethyltryptamine.
J Neurochem 19:2409-22, Oct 72
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ DIMETHYLTRYPTAMINE, pharmacodynamics/ EMETINE, pharmacodynamics/ FEVER, chemically induced/ *FEVER, prevention & control/ *HALLUCINOGENS, pharmacodynamics/ HYPERKINESIS, chemically induced/ *HYPERKINESIS, prevention & control/ MALE/ METHYL ETHER, pharmacodynamics/ *NERVE TISSUE PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RATS/ SEROTONIN, biosynthesis/ SEROTONIN, metabolism/ TIME FACTORS/ TRANYLCYPROMINE, pharmacodynamics/ *TRANYLCYPROMINE, pharmacodynamics/ TRYPTOPHAN/ *TRYPTOPHAN, pharmacodynamics

1401. **Grahne B, Siirala U, Meurman L, et al:** Rhinoscleroma in Finland. Acta Otolaryngol (Stockh) 74:430-5, Dec 72
ADULT/ FEMALE/ HUMAN/ KLEBSIELLA/ KLEBSIELLA RHINOSCLEROMATIS/ OXYTETRACYCLINE, therapeutic use/ PREDNISONE, therapeutic use/ RECURRENCE/ *RHINOSCLEROMA/ RHINOSCLEROMA, drug therapy/ RHINOSCLEROMA, etiology/ RHINOSCLEROMA, surgery/ STAINS AND STAINING/ STREPTOMYCIN, therapeutic use/ SULFAMETHOXAZOLE, therapeutic use/ TRIMETHOPRIM, therapeutic use

1402. **Gran L:** Identification of serotonin in aqueous extracts of Oidenlandia affinis. Lloydia 35:461-2, Dec 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ FEMALE/ OXYTOCICS/ *PLANTS/ RATS/ *SEROTONIN, isolation & purification/ SEROTONIN, pharmacodynamics/ UTERUS, drug effects

1403. **Grant AM, Baker LR, Neuberger A:** Urinary Tamm-Horsfall glycoprotein in certain kidney diseases and its content in renal and bladder calculi. Clin Sci 44:377-84, Apr 73
*BLADDER CALCULI/ CADMIUM, adverse effects/ CHILD/ CHILD, PRESCHOOL/ CREATININE, blood/ CREATININE, urine/ CYSTINOSIS, urine/ FANCONI SYNDROME, urine/ FEMALE/ GLOMERULAR FILTRATION RATE/ *GLYCOPROTEINS, urine/ HUMAN/ INFANT/ *KIDNEY CALCULI/ KIDNEY DISEASES, metabolism/ *KIDNEY DISEASES, urine/ KIDNEY FAILURE, CHRONIC, urine/ MALE/ NEPHRONS, metabolism/ RADIOIMMUNOASSAY

1404. **Grant NH, Clark DE, Rosanoff EI:** Evidence that Pro-Leu-Gly-NH 2, tocinoic acid, and des-Cys-tocinoic acid do not affect secretion of melanocyte stimulating hormone.
Biochem Biophys Res Commun 51:100-6, 5 Mar 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ CYSTINE, pharmacodynamics/ DISULFIDES, pharmacodynamics/ FROGS/ GLYCINE, pharmacodynamics/ IN VITRO/ LEUCINE, pharmacodynamics/ MALE/ MSH, analysis/ MSH, antagonists & inhibitors/ *MSH, secretion/ *OXYTOCIN, pharmacodynamics/ *PEPTIDES, CYCLIC, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROLINE, pharmacodynamics/ RANA PIPIENS/ RATS/ SKIN, drug effects

1405. **Grant PS:** The effect of progesterone and oestradiol on immature mouse uteri maintained as organ cultures.
J Endocrinol 57:171-4, Apr 73
*ESTRADIOL, pharmacodynamics/ ESTRADIOL, physiology/ FEMALE/ MICE/ NIDATION/ ORGAN CULTURE/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ *UTERUS, drug effects/ UTERUS, physiology

1406. **Grave GD, Satterthwaite S, Kennedy C, et al:** Accelerated postnatal development of D(-)-hydroxybutyrate dehydrogenase (EC 1.1.1.30) activity in the brain in hyperthyroidism.
J Neurochem 20:495-501, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, cytology/ *BRAIN, enzymology/ BRAIN, growth & development/ BRAIN, metabolism/ DNA, metabolism/ *HYDROXYBUTYRATE DEHYDROGENASE, metabolism/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, enzymology/ HYPERTHYROIDISM, metabolism/ LIPOPROTEINS, metabolism/ RATS/ RNA, metabolism/ THYROXINE/ THYROXINE, administration & dosage

1407. **Gray JA:** The structure of the emotions and the limbic system. Ciba Found Symp 8:87-120, 1972
AMOBARBITAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CATS/ CAUDATE NUCLEUS, physiology/ CHILD/ CHLORPROMAZINE, pharmacodynamics/ CONDITIONING, CLASSICAL/ DOGS/ DRIVE/ ELECTRIC STIMULATION/ *EMOTIONS/ ESCAPE REACTION/ FEMALE/ FLIGHT, ANIMAL/ HIPPOCAMPUS, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL, drug effects/ LEARNING/ *LIMBIC SYSTEM, physiopathology/ MALE/ MEDIAN NERVE, physiology/ OLFACTORY BULB, physiology/ PHYSICAL STIMULATION/ PUNISHMENT/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ REWARD/ SELF STIMULATION/ THALAMUS, physiology

1408. **Graziani Y, Livne A:** Bilayer lipid membrane as a model for vasopressin, prostaglandin and Ca 2+ effects on water permeability.
Biochim Biophys Acta 291:612-20, 16 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ BIOLOGICAL TRANSPORT/ *CALCIUM/ ELECTRIC CONDUCTIVITY/ LECITHINS/ *MEMBRANES, ARTIFICIAL/ MODELS, BIOLOGICAL/ PERMEABILITY/ POTASSIUM CHLORIDE/ *PROSTAGLANDINS/ SODIUM CHLORIDE/ VALINOMYCIN/ *VASOPRESSIN/ WATER

1409. **Greaves MW, McDonald-Gibson WJ, McDonald-Gibson RG:** The effect of venous occlusion, starvation and exercise on prostaglandin activity in whole human blood. Life Sci [II] 11:919-24, 22 Sep 72
ADULT/ AGED/ CHROMATOGRAPHY, THIN LAYER/ *EXERTION/ *FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ *FOREARM, blood supply/ GLYCERIN, blood/ HUMAN/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS, blood/ *REGIONAL BLOOD FLOW/ *VEINS, physiology

1410. **Greenberg S, Heitz DC, Long JP:** Evidence for longitudinal smooth muscle fibers in canine mesenteric arteries. Life Sci [I] 12:73-9, 15 Jan 7
ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ FEMALE/ MALE/ *MESENTERIC ARTERIES, cytology/ MESENTERIC ARTERIES, drug effects/ *MYOFIBRILS/ MYOFIBRILS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ SEROTONIN, pharmacodynamics

1411. **Greenberg S, Heitz DC, Long JP:** Testosterone-induce depression of adrenergic activity in the perfuse canin hindlimb.
Proc Soc Exp Biol Med 142:883-8, Mar 73
ACETYLCHOLINE, administration & dosage/ *ACETYLCHOLINE, antagonists & inhibitors/ ANGIOTENSIN AMIDE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ FEMALE/ FEMORAL ARTERY/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HINDLIMB/ INJECTIONS, INTRA-ARTERIAL. INJECTIONS, INTRAMUSCULAR/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ PERFUSION/ SYMPATHOMIMETICS, administration & dosage/ *SYMPATHOMIMETICS, antagonists & inhibitors/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics TYRAMINE, antagonists & inhibitors/ VASOMOTOR SYSTEM, drug effects

1412. **Greene RJ, Gilbert EF, Huang SW, et al:** Immunodeficiency associated with exomphalos-macroglossia-gigantism syndrome.
J Pediatr 82:814-20, May 73
*ABNORMALITIES, MULTIPLE, complication *ADRENAL GLAND DISEASES, complication ADRENAL GLANDS, pathology/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ IMMUNOLOGIC DEFICIENCY SYNDROMES, pathology/ INFANT/ INFANT, NEWBORN/ *KIDNEY

DISEASES, complications/ LYMPHOID TISSUE, pathology/ MALE/ PNEUMONIA, INTERSTITIAL PLASMA CELL, etiology/ SPLEEN, pathology/ SYNDROME/ *THYMUS GLAND, abnormalities/ THYMUS GLAND, pathology/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ UMBILICUS, abnormalities

1413. **Greenfield G, Stein R, Romano A, et al:** Blue sclerae and keratoconus: key features of a distinct heritable disorder of connective tissue. Clin Genet 4:8-16, 1973
ABORTION/ ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ CHILD/ COLLAGEN, biosynthesis/ CONSANGUINITY/ FEMALE/ HUMAN/ *KERATOCONUS, familial & genetic/ MALE/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ OTOSCLEROSIS/ PEDIGREE/ PREGNANCY/ *SCLERA, abnormalities/ *SPONDYLOLISTHESIS, familial & genetic/ SYNDROME

1414. **Greengard O, Machovich R:** Hydrocortisone regulation of thymidine kinase in thymus involution and hematopoietic tissues.
Biochim Biophys Acta 286:382-8, 29 Dec 72
ANIMAL EXPERIMENTS/ FEMALE/ FETUS, enzymology/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ MALE/ ORGAN WEIGHT/ PREGNANCY/ RATS/ RATS, INBRED STRAINS/ *SPLEEN, enzymology/ *THYMIDINE KINASE, metabolism/ THYMUS GLAND, cytology/ *THYMUS GLAND, enzymology/ THYMUS GLAND, growth & development

1415. **Greengrass PM, Tonge SR:** Effects of oestrogen and progesterone on brain monoamines: interactions with psychotropic drugs.
J Pharm Pharmacol 24:Suppl:149P, Dec 72
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CHLORPROMAZINE, pharmacodynamics/ DOPAMINE, metabolism/ DRUG INTERACTIONS/ ESTROGENS, antagonists & inhibitors/ *ESTROGENS, pharmacodynamics/ FEMALE/ IMIPRAMINE, pharmacodynamics/ MICE/ *NOREPINEPHRINE, metabolism/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, pharmacodynamics/ *SEROTONIN, metabolism

1416. **Greengrass PM, Tonge SR:** Brain monoamine metabolism in the mouse during the immediate post-partum period.
Br J Pharmacol 46:533P-534P, Nov 72
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ P-CHLOROPHENYLALANINE, pharmacodynamics/ DOPAMINE, metabolism/ ESTRUS/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ MICE/ NOREPINEPHRINE, metabolism/ PREGNANCY/ *PUERPERIUM/ SEROTONIN, metabolism

1417. **Greenwald P, Nasca PC:** Transplacental induction of vaginal cancer by synthetic estrogens.
Prog Clin Cancer 5:13-9, 1973
ABORTION, THREATENED, drug therapy/ *ADENOCARCINOMA, chemically induced/ ADOLESCENCE/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *VAGINAL NEOPLASMS, chemically induced

1418. **Greenwald RA, Sajdera SW:** Extracellular localization of lysozyme in rachitic rat cartilage.
Proc Soc Exp Biol Med 142:924-7, Mar 73
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CARTILAGE, cytology/ *CARTILAGE, enzymology/ CLOSTRIDIOPEPTIDASE A, metabolism/ EXTRACELLULAR SPACE, enzymology/ MALE/ *MURAMIDASE, analysis/ RATS/ *RICKETS, enzymology/ TIBIA, enzymology

1419. **Greenwood RH, Prunty FT, Silver J:** Osteomalacia after prolonged glutethimide administration.
Br Med J 1:643-5, 17 Mar 73
CHOLECALCIFEROL, blood/ ENZYME INDUCTION, drug effects/ FEMALE/ GLUTAMYL TRANSPEPTIDASE, blood/ *GLUTETHIMIDE, adverse effects/ HALF-LIFE/ HUMAN/ LEUCINE AMINOPEPTIDASE, blood/ LIVER, enzymology/ MIDDLE AGE/ NUCLEOTIDASES, blood/ OSTEOMALACIA, blood/ *OSTEOMALACIA, chemically induced/ OSTEOMALACIA, enzymology/ OSTEOMALACIA, urine/ PENTOSES, urine/ TRITIUM

1420. **Gregor T:** Conn's syndrome. S Afr J Surg 11:40-1, Mar 73
*ADRENAL GLAND NEOPLASMS, complications/ ADULT/ CASE REPORT/ HUMAN/ *HYPERALDOSTERONISM, etiology/ MALE

1421. **Grehn S, Seybold K, Reiners C, et al:** Veränderungen der Skelettmineralisation durch Schilddrüsenerkrankungen. Messung von Knochendichte und -dicke mit einem 125 J-Profilscanner.
Med Klin 68:306-9, 9 Mar 73 (Ger)
ADENOMA, complications/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ HYPOTHYROIDISM, complications/ IODINE ISOTOPES, DIAGNOSTIC/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, complications/ THYROID NEOPLASMS, complications/ THYROIDECTOMY

1422. **Greif RL, Eich EF:** Alkaline ribonuclease inhibitor in rat thyroid. Biochim Biophys Acta 286:350-9, 29 Dec 72
ANIMAL EXPERIMENTS/ CATTLE/ DIALYSIS/ DRUG STABILITY/ GEL DIFFUSION TESTS/ HEAT/ HYDROGEN-ION CONCENTRATION/ MALE/ PANCREAS, enzymology/ RABBITS, immunology/ RATS/ *RIBONUCLEASE, antagonists & inhibitors/ RIBONUCLEASE, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOURACIL, pharmacodynamics/ THYROGLOBULIN, metabolism/ *THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

1423. **Greiser AE, Fomin LM:** Elektrokardiogramma pri lechenii hol'nykh toksicheskim zohom tireostaticheskimi sredstvami.
Klin Med (Mosk) 50:95-8, Aug 72 (Rus)
*ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, chemically induced/ HEART DISEASES, diagnosis/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ *METHYLTHIOURACIL, adverse effects/ METHYLTHIOURACIL, therapeutic use/ *THYROID ANTAGONISTS, adverse effects/ THYROID ANTAGONISTS, therapeutic use

1424. **Grenda I, Musial V, Nivelin'ski I, et al:** Iazvoohrazuiushchee deĭstvie kory nadpochechnika i 1,2-degidrokortizona, implantirovannykh v stenku zheludka krolika (gistokhimicheskoe issledovanie.
Arkh Patol 34:29-35, 1972 (Rus)
*ACID PHOSPHATASE, metabolism/ *ADRENAL CORTEX HORMONES, toxicity/ *ADRENAL GLANDS/ ADRENAL GLANDS, transplantation/ ANIMAL EXPERIMENTS/ *CYTOCHROME OXIDASE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *GASTRIC MUCOSA, enzymology/ GASTRIC MUCOSA, pathology/ HISTOCYTOCHEMISTRY/ *LACTATE DEHYDROGENASE, metabolism/ *LIPOAMIDE DEHYDROGENASE, metabolism/ MALE/ NAD, metabolism/ RABBITS/ STOMACH ULCER, chemically induced/ STOMACH ULCER, enzymology/ *STOMACH ULCER, etiology/ *SUCCINATE DEHYDROGENASE, metabolism/ TRANSPLANTATION, AUTOLOGOUS

1425. **Gresson CR, Bird DL, Simpson FO:** Plasma volume,

extracellular fluid volume and exchangeable sodium concentrations in the New Zealand strain of genetically hypertensive rat. Clin Sci 44:349-58, Apr 73
ALDOSTERONE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BODY WEIGHT/ CHROMIUM ISOTOPES/ *EXTRACELLULAR SPACE/ HEMATOCRIT/ *HYPERTENSION, familial & genetic/ HYPERTENSION, metabolism/ INDICATOR DILUTION TECHNICS/ *PLASMA VOLUME/ POTASSIUM, blood/ RATS/ RATS, INBRED STRAINS/ RENIN, pharmacodynamics/ *SODIUM, metabolism

1426. **Grice K, Sattar H, Baker H:** Urea and retinoic acid in ichthyosis and their effect on transepidermal water loss and water holding capacity of stratum corneum.
Acta Derm Venereol (Stockh) 53:114-8, 1973
ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ CHILD/ FEMALE/ HUMAN/ *ICHTHYOSIS, drug therapy/ KERATOSIS, drug therapy/ MALE/ MIDDLE AGE/ SEX CHROMOSOME ABNORMALITIES/ SKIN, metabolism/ *SWEATING/ *UREA, therapeutic use/ VITAMIN A, adverse effects/ *VITAMIN A, therapeutic use/ WATER LOSS, INSENSIBLE, drug effects

1427. **Griem W:** Pathologisch-histologische Veränderungen von Schilddrüsen bei Rindern und Kaninchen nach Verfütterung von Methylthiouracil.
Berl Munch Tieraerztl Wochenschr 86:50-6, 1 Feb 73 (Ger)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CATTLE/ ENGLISH ABSTRACT/ FEMALE/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ RABBITS/ THYROID GLAND, drug effects/ *THYROID GLAND, pathology

1428. **Griffiths EC, Hooper KC:** The stimulatory influence of gonadal steroids and methallibure (ICI 33, 828) on peptidase activity in the female rat hypothalamus.
Fertil Steril 24:269-74, Apr 73
ALLYL COMPOUNDS, pharmacodynamics/ *AMINOPEPTIDASES, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, enzymology/ OVARY, physiology/ OXYTOCIN, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ STIMULATION, CHEMICAL/ *THIOUREA, pharmacodynamics/ UTERUS, drug effects

1429. **Griffiths HJ, Zimmerman RE:** The use of photon densitometry to evaluate bone mineral in a group of patients with spinal cord injury.
Paraplegia 10:279-84, Feb 73
ADULT/ *BONE AND BONES, metabolism/ *DENSITOMETRY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MINERALS, metabolism/ PARAPLEGIA/ QUADRIPLEGIA/ RADIOISOTOPE SCANNING/ RADIUS/ *SPINAL CORD INJURIES, metabolism/ ULNA

1430. **Griffiths J, Groves AC, Leung FY:** Hypertriglyceridemia and hypoglycemia in gram-negative sepsis in the dog.
Surg Gynecol Obstet 136:897-903, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ DOGS/ EPINEPHRINE, blood/ *ESCHERICHIA COLI INFECTIONS, blood/ ESCHERICHIA COLI INFECTIONS, complications/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, etiology/ INSULIN, blood/ NOREPINEPHRINE, blood/ *SEPTICEMIA, blood/ SEPTICEMIA, complications/ *TRIGLYCERIDES, blood

1431. **Grigor'ev PIa, Korolev RV, Pirogov AB:** Sravnitel'naia kliniko-morfologicheskaia kharakteristika éndemicheskogo zoba v Amurskoĭ oblasti.
Vestn Khir 109:37-40, Jan 73 (Rus)
ADENOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, ENDEMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ RADIOISOTOPE SCANNING/ RUSSIAN FEDERATION (ASIA)/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis

1432. **Grigor'eva VA, Litvinenko EA:** Vnutrishn'okliitynnyi rozpodil kal'tsiiu v skeletnykh m'iazakh za eksperymental'noi m'iazovoi dystrofii.
Ukr Biokhim Zh 45:24-8, 1973 (Ukr)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL NUCLEUS, metabolism/ ENGLISH ABSTRACT/ MICE/ MICROSOMES, metabolism/ MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, cytology/ *MUSCLES, metabolism/ *MUSCULAR DYSTROPHY, chemically induced/ MYOFIBRILS, metabolism/ *VITAMIN E DEFICIENCY, metabolism

1433. **Grimelius L, Johansson H, Lindquist B, et al:** Normocalcemic primary hyperparathyroidism.
Acta Chir Scand 139:42-4, 1973
ADENOMA, blood/ ADULT/ AGED/ *CALCIUM, blood/ CALCIUM, urine/ CREATININE, blood/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ HYPERPLASIA, blood/ MALE/ MIDDLE AGE/ PARATHYROID DISEASES, blood/ PARATHYROID NEOPLASMS, blood/ PHOSPHORUS, blood

1434. **Grinker J, Hirsch J:** Metabolic and behavioural correlates of obesity. Ciba Found Symp 8:349-69, 197
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, growth & development/ AFFECT/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, metabolism/ ANXIETY/ *BEHAVIOR/ BODY IMAGE/ BODY WEIGHT/ DEPRESSION/ DIET, REDUCING/ FEEDING BEHAVIOR/ FOOD HABITS/ HUMAN/ HYPERPLASIA/ HYPERTROPHY/ HYPOTHALAMUS, metabolism/ LIPIDS, metabolism/ *METABOLISM/ MICE/ *OBESITY/ OBESITY, metabolism/ PSYCHOPHYSIOLOGY/ RATS/ STARVATION/ TIME FACTORS/ TIME PERCEPTION

1435. **Grinnell F, Milam M, Srere PA:** Cyclic AMP does n affect the rate at which cells attach to a substratur
Nature [New Biol] 241:82-3, 17 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CEL ADHESION, drug effects/ CELL LINE/ CELI TRANSFORMATION, NEOPLASTIC/ HAMSTERS/ KIDNEY/ THEOPHYLLINE, pharmacodynamics

1436. **Grinwich DL, Kennedy TG, Armstrong DT:** Dissociati of ovulatory and steroidogenic actions of luteinizi hormone in rabbits with indomethacin, an inhibitor prostaglandin biosynthesis.
Prostaglandins 1:89-96, Feb 72
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CORPU LUTEUM, physiology/ DEPRESSION, CHEMICAL/ FEMALE/ INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ OVULATIO drug effects/ OVUM/ PROGESTERONE, bloo RABBITS/ SPECIAL LIST REPRODUCTION

1437. **Gromashevskaia LL, Iavorskii IG:** Izofermenty luzhr fosfatazy v syrovatski krovi sbcburiv za eksperymental'nobo urazhennia bepato-biliarnoi systemy i rakhitu.
Ukr Biokhim Zh 45:65-9, 1973 (U
*ALKALINE PHOSPHATASE, blood/ ANIMA EXPERIMENTS/ BONE AND BONES, analysi CARBON TETRACHLORIDE POISONING, enzymology/ COLORIMETRY/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ *HEPATITIS, TOXIC, enzymology/ INTESTINAL MUCOSA, analysis/ *ISOENZYMES, blood/ LIVER, analysis/ RATS/ *RICKETS, enzymology

1438. **Groneberg P, Struppler A:** Die therapeutische Wirkung von L-DOP.
Naturwissenschaften 59:492-6, Nov 72 (Ger)
ASTHMA, drug therapy/ BRAIN, metabolism/ DOPA, adverse effects/ DOPA, biosynthesis/ DOPA, pharmacodynamics/ *DOPA, therapeutic use/ DOPA DECARBOXYLASE, antagonists & inhibitors/ DOPAMINE, biosynthesis/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYPERKINESIS, drug therapy/ HYPOTENSION, chemically induced/ MOVEMENT DISORDERS, chemically induced/ MUSCLE RIGIDITY, drug therapy/ NOREPINEPHRINE, metabolism/ *PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ SEROTONIN, metabolism

1439. **Grosfeld JL, Berman IR, Schiller M, et al:** Excessive morbidity resulting from the prevention of intestinal adhesions with steroids and antihistamines.
J Pediatr Surg 8:221-6, Apr 73
ADHESIONS, mortality/ ADHESIONS, occurrence/ ADHESIONS, prevention & control/ ANIMAL EXPERIMENTS/ *DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ INTESTINAL DISEASES, mortality/ INTESTINAL DISEASES, occurrence/ *INTESTINAL DISEASES, prevention & control/ MALE/ PENICILLIN, therapeutic use/ PERITONITIS, etiology/ PNEUMONIA, etiology/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ *PROMETHAZINE, adverse effects/ PROMETHAZINE, therapeutic use/ RATS/ SURGICAL WOUND INFECTION, etiology

1440. **Gross HJ, Czerny EM:** Temperature-dependent inactivation of tRNA Tyr E.coli acceptor function with iodine: influence of the 3'-terminal pCpA sequence. FEBS Lett 30:347-50, 15 Mar 73
*ADENINE NUCLEOTIDES, metabolism/ BASE SEQUENCE/ BINDING SITES/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CYTOSINE NUCLEOTIDES, metabolism/ DISULFIDES, pharmacodynamics/ ELECTROPHORESIS/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism/ *IODINE, pharmacodynamics/ OXIDATION-REDUCTION/ *RNA, BACTERIAL, antagonists & inhibitors/ RNA, BACTERIAL, isolation & purification/ RNA NUCLEOTIDYL- TRANSFERASES, isolation & purification/ *RNA, TRANSFER, antagonists & inhibitors/ TEMPERATURE/ THIOURIDINE, pharmacodynamics/ TIME FACTORS/ TRITIUM/ TYROSINE/ TYROSINE, metabolism

1441. **Gross NJ:** The paradoxical skin response in sarcoidosis. A hypothesis. Am Rev Respir Dis 107:798-801, May 73
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANTIGENS/ CANDIDA/ HUMAN/ HYPERSENSITIVITY, DELAYED/ INJECTIONS, INTRADERMAL/ NITROGEN MUSTARD COMPOUNDS, diagnostic use/ SARCOIDOSIS, diagnosis/ *SARCOIDOSIS, immunology/ *SKIN TESTS

1442. **Grossklaus D:** Rückstandsproblematik von Arzneimitteln in von Tieren stammenden Lebensmitteln.
Zentralbl Bakteriol [Orig B] 156:187-98, Sep 72 (Ger)
ANIMAL EXPERIMENTS/ ANIMAL FEED, analysis/ ANTIBIOTICS, adverse effects/ ANTIBIOTICS, analysis/ CATTLE/ CHLORINE/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ ESTROGENS, analysis/ FASCIOLOIDIASIS, drug therapy/ *FOOD CONTAMINATION, analysis/ *FOOD INSPECTION/ FOOD POISONING/ GERMANY, WEST/ HYDROCARBONS, HALOGENATED, adverse effects/ HYDROCARBONS, HALOGENATED, analysis/ LEGISLATION, DRUG/ MEAT, analysis/ MILK, analysis/ SWINE/ TRANQUILIZING AGENTS, adverse effects/ TRANQUILIZING AGENTS, analysis/ ZOONOSES, prevention & control

1443. **Grossman A, Boctor A:** Post-transcriptional inhibition of protein synthesis by rifampicin in rat hepatoma cells. Life Sci [II] 12:289-95, 8 Apr 73
AMMONIUM SULFATE/ CARBON ISOTOPES/ CELL LINE/ CELL NUCLEUS, enzymology/ ENZYME ACTIVATION/ ENZYME INDUCTION, drug effects/ HEPATOMA, enzymology/ *HEPATOMA, metabolism/ HYDROCORTISONE, pharmacodynamics/ LEUCINE, metabolism/ MAGNESIUM/ MANGANESE/ *NEOPLASM PROTEINS, biosynthesis/ RATS/ *RIFAMPIN, pharmacodynamics/ RNA, NEOPLASM, biosynthesis/ RNA POLYMERASE/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ TYROSINE AMINOTRANSFERASE, biosynthesis/ URACIL, metabolism

1444. **Grossman SP:** Neurophysiologic aspects: extrahypothalamic factors in the regulation of food intake. Adv Psychosom Med 7:49-72, 1972 (120 ref.)
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *APPETITE REGULATION/ *BRAIN, physiology/ BRAIN STEM, physiology/ CATS/ DOGS/ EATING/ *FEEDING BEHAVIOR/ FRONTAL LOBE, physiology/ GLOBUS PALLIDUS, physiology/ GYRUS CINGULI, physiology/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MONKEYS/ NEURAL INTERCONNECTIONS, physiology/ RATS/ REVIEW/ SEPTUM PELLUCIDUM, physiology/ TEMPORAL LOBE, physiology/ THALAMUS, physiology

1445. **Groth CG, Dubois RS, Corman J, et al:** Metabolic effects of hepatic replacement in Wilson's disease.
Transplant Proc 5:829-33, Mar 73
ADOLESCENCE/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ BILIRUBIN, blood/ CERULOPLASMIN, blood/ CHILD/ COPPER, blood/ *COPPER, metabolism/ COPPER, urine/ CYCLOPHOSPHAMIDE, therapeutic use/ *HEPATOLENTICULAR DEGENERATION, metabolism/ HEPATOLENTICULAR DEGENERATION, therapy/ HUMAN/ IMMUNOSUPPRESSION/ LIVER, metabolism/ *LIVER, transplantation/ LIVER CIRRHOSIS, POSTNECROTIC, etiology/ MALE/ PREDNISONE, therapeutic use

1446. **Groth CG, Hammond WS, Iwatsuki S, et al:** Survival of a homologous parathyroid implant in an immunosuppressed patient. Lancet 1:1082-5, 19 May 73
ADMINISTRATION, ORAL/ AZATHIOPRINE, administration & dosage/ CADAVER/ CALCIUM, blood/ CREATININE, blood/ CYCLOPHOSPHAMIDE, administration & dosage/ GLUCONATES, administration & dosage/ HUMAN/ HYPOGLYCEMIA, prevention & control/ IMMUNOSUPPRESSION/ KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ *PARATHYROID GLANDS, transplantation/ PHOSPHATES, blood/ PREDNISONE, administration & dosage/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

1447. **Grove AS Jr, Kotner LM Jr:** Orbital scanning with multiple radionuclides.
Arch Ophthalmol 89:301-5, Apr 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CHLORMERODRIN, diagnostic use/ EXOPHTHALMOS, diagnosis/ FEMALE/ HEMANGIOMA, CAVERNOUS, diagnosis/ HUMAN/ MALE/ MENINGIOMA, diagnosis/ MERCURY ISOTOPES, diagnostic use/ MIDDLE AGE/ NEUROFIBROMATOSIS, diagnosis/ *ORBIT, abnormalities/ *ORBITAL NEOPLASMS, diagnosis/ RADIOISOTOPE SCANNING/ TECHNETIUM, diagnostic use

1448. **Grumbrecht C, Löchner D:** Veränderungen der Zervixschleimhaut unter Ovulationshemmern.
Fortschr Med 91:584-7, 10 May 73 (Ger)
ADULT/ *CERVIX UTERI, drug effects/ CERVIX UTERI, pathology/ CONTRACEPTIVES, ORAL, adverse effects/

*CONTRACEPTIVES, ORAL, pbarmacodynamics/ FEMALE/ HUMAN/ MUCOUS MEMBRANE, drug effects/ MUCOUS MEMBRANE, pathology/ PRECANCEROUS CONDITIONS, prevention & control/ UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, prevention & control

1449. **Grün G, Didier MF:** Le syndrome d'Albrigbt (a propos de deux observations.
Bull Soc Fr Dermatol Syphiligr 79:184-5, 1972 (Fre)
ADOLESCENCE/ CACHEXIA/ CHILD/ CRANIOFACIAL DYSOSTOSIS/ ENDOCRINE DISEASES/ FEMALE/ *FIBROUS DYSPLASIA OF BONE/ GROWTH DISORDERS/ HUMAN/ MALE/ MENTAL RETARDATION/ PIGMENTATION DISORDERS/ PUBERTY, PRECOCIOUS/ SCOLIOSIS

1450. **Grund VR, Goldberg ND, Hunninghake DB:** Effect of histamine of lipolysis and adenosine 3',5'-monophospbate levels in canine adipose tissue.
Biochem Pharmacol 22:769-72, 15 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATTY ACIDS, NONESTERIFIED, metabolism/ HISTAMINE, administration & dosage/ *HISTAMINE, pbarmacodynamics/ IN VITRO/ *LIPID MOBILIZATION, drug effects/ MALE/ NOREPINEPHRINE, pbarmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRIPELENNAMINE, pbarmacodynamics

1451. **Grundsell H, Nilsson I, Nordqvist S:** Progesterone concentration in buman endometrium.
Lancet 808:888, 21 Apr 73
ADOLESCENCE/ ADULT/ CORPUS LUTEUM, secretion/ *ENDOMETRIUM, metabolism/ FEMALE/ HUMAN/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ PROGESTERONE, secretion/ RECEPTORS, HORMONE/ SECRETORY RATE

1452. **Grunert E, Andresen P:** Brunst und Konzeption von Rindern nach Zyklussynchronisation und HCG-Applikation.
Dtsch Tieraerzti Wocbenschr 80:152-4, 1 Apr 73 (Ger)
ANIMAL EXPERIMENTS/ *CATTLE/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ *FERTILIZATION, drug effects/ *GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics

1453. **Grupe WE:** Chlorambucil in steroid-dependent nephrotic syndrome. J Pediatr 82:598-606, Apr 73
ADOLESCENCE/ BETA GLOBULIN, analysis/ BLOOD PRESSURE, drug effects/ CHILD/ CHILD, PRESCHOOL/ CHLORAMBUCIL, administration & dosage/ CHLORAMBUCIL, adverse effects/ *CHLORAMBUCIL, tberapeutic use/ DRUG SYNERGISM/ FEMALE/ GROWTH DISORDERS, cbemically induced/ HUMAN/ LEUKOPENIA, cbemically induced/ MALE/ *NEPHROTIC SYNDROME, drug tberapy/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PROTEINURIA, drug tberapy/ RECURRENCE/ REMISSION

1454. **Grushkin CM, Fine BN:** Growth in children following renal transplantation. Am J Dis Child 125:514-6, Apr 73
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ CADAVER/ CHILD/ CHILD, PRESCHOOL/ CREATININE, blood/ EPIPHYSES, growth & development/ FEMALE/ FEMUR, growth & development/ FOLLOW-UP STUDIES/ *GROWTH/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ *KIDNEY, transplantation/ MALE/ PREDNISONE, administration & dosage/ PREDNISONE, tberapeutic use/ SEX FACTORS/ TIBIA, growtb & development/ TRANSPLANTATION, HOMOLOGOUS

1455. **Grussendorf EI, Gahlen W:** Therapieversucb bei Lichen myxoedematosus mit Primolut-Nor.
Hautarzt 24:37-9, Jan 73 (Ger)
ADULT/ AGED/ BLOOD PROTEIN DISORDERS, complications/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ IGG, analysis/ IMMUNOELECTROPHORESIS/ MALE/ MIDDLE AGE/ MYXEDEMA, complications/ *MYXEDEMA, drug therapy/ MYXEDEMA, immunology/ MYXEDEMA, urine/ *NORETHINDRONE, tberapeutic use

1456. **Gruszkiewicz J, Platt HA:** Subfrontal epidural bematomas. Neurochirurgia (Stuttg) 16:54-9, Mar 73
ACCIDENTS, TRAFFIC/ ADULT/ CEREBRAL ANGIOGRAPHY/ CRANIOTOMY/ *EXOPHTHALMOS, etiology/ FRONTAL BONE/ HEMATOMA, EPIDURAL, complications/ *HEMATOMA, EPIDURAL, radiography/ HEMATOMA, EPIDURAL, surgery/ HUMAN/ MALE/ PAPILLEDEMA, etiology

1457. **Grygiewski R, Vane JR:** The generation from arachidonic acid of rabbit aorta contracting substance (RCS) by a microsomal enzyme preparation whicb als generates prostaglandins.
Br J Pharmacol 46:449-57, Nov 72
ANIMAL EXPERIMENTS/ ANTHRANILIC ACID/ *AORTA, drug effects/ *ARACHIDONIC ACID, metabolism/ CYCLIC P-OXIDES/ DOGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *MICROSOMES, enzymology/ OXYGENASES/ PROSTAGLANDINS, biosynthesis/ RABBITS/ RATS/ SPLEEN, enzymology/ STOMACH, dru effects/ *TISSUE EXTRACTS, pharmacodynamics/ TOLUENE

1458. **Grzywa M:** Effect of prednisone administration c collagen metabolism in adults.
Pol Arcb Med Wewn 50:331-7, Apr 73
ADULT/ AGE FACTORS/ AGED/ COLLAGEN, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, blood/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ NITROGEN, urine/ PREDNISONE, administration & dosage/ *PREDNISONE, pharmacodynamics/ TIME FACTORS

1459. **Gschwandtner WR:** Striae cutis atrophicse nac Lokalbehandlung mit Corticosteroiden.
Hautarzt 24:70-3, Feb 73 (Ge
ADOLESCENCE/ ADULT/ *CICATRIX, cbemically induced/ ECZEMA, drug therapy/ FLUOCINOLONE ACETONIDE, adverse effects/ FLUOCINOLONE ACETONIDE, tberapeutic use/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ HUMAN/ INTERTRIGO, drug tberap MALE/ MIDDLE AGE/ PREDNISOLONE, TOPICAL, adverse effects/ PREDNISOLONE, TOPICAL, tberapeutic use/ PRURIGO, drug therapy/ TRIAMCINOLONE ACETONIDE, adverse effects/ TRIAMCINOLONE ACETONIDE, tberapeutic use/ URTICARIA, drug tberapy

1460. **Gude ZZh, Kliashko AO, Borisenko AO, et al:** Vp halaskorbinu na obmin rechovyn v orhanizm morsk'kykh svynok pry oplkovii khvorobi.
Ukr Biokhim Zh 45:13-9, 1973 (U
ACID PHOSPHATASE, metabolism/ ADREN/ GLANDS, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ *ASCORBIC ACID, pharmacodynamics/ *BIOFLAVONOIDS, pharmacodynamics/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ *BURNS metabolism/ ENGLISH ABSTRACT/ GLYCOGEN, metabolism/ GUINEA PIGS/ LACTATE DEHYDROGENASE, blood/ LIVE metabolism/ MUSCLES, metabolism/ NUCLE ACIDS, blood/ PYRUVATES, blood/ SUCCINATE DEHYDROGENASE, metabolism TANNINS, pharmacodynamics/ TIME FACTORS

1461. **Guédon J, Chapman A, Loirat P, et al:** Le

hypertensions chirurgicalement curables. Evolution hémodynamique post-opératoire.
Arch Mal Coeur 65:961-9, Aug 72 (Fre)
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADRENALECTOMY/ ADULT/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEMATOCRIT/ *HEMODYNAMICS/ HUMAN/ HYPERTENSION, etiology/ *HYPERTENSION, physiopathology/ HYPERTENSION, surgery/ HYPERTENSION, RENAL, surgery/ KIDNEY DISEASES, complications/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ NEPHRECTOMY/ OPHTHALMOSCOPY/ RENAL ARTERY OBSTRUCTION, complications/ VASCULAR RESISTANCE

1462. **Guedon J, Prata M, Chapman A:** Aspects hémodynamiques de 5 cas de fistules artérlo-veineuses rénales avec hypertension artérielle. Etude critique du concept d'ischémie rénale. J Urol Nephrol (Paris) 78:748-50, Sep 72 (Fre)
AMINOHIPPURIC ACID, metabolism/ *ARTERIOVENOUS FISTULA, physiopathology/ GLOMERULAR FILTRATION RATE/ HEART FUNCTION TESTS/ *HEMODYNAMICS/ HUMAN/ *HYPERTENSION, RENAL, physiopathology/ INULIN, metabolism/ *ISCHEMIA, physiopathology/ KIDNEY, blood supply/ *KIDNEY DISEASES, physiopathology/ KIDNEY FUNCTION TESTS/ OXIMETRY/ RENAL ARTERY/ RENAL VEINS/ RENIN, metabolism/ SODIUM, urine/ URINARY CATHETERIZATION

1463. **Gueroult N, Dorfmann H, Etienne JP:** Les arthrites de l'hépatite virale.
Ann Med Interne (Paris) 123:561-71, Jun-Jul 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ARTHRITIS, drug therapy/ *ARTHRITIS, etiology/ ARTHRITIS, RHEUMATOID, diagnosis/ AUSTRALIA ANTIGEN, isolation & purification/ COMPLEMENT FIXATION TESTS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GEL DIFFUSION TESTS/ HAND/ *HEPATITIS, HOMOLOGOUS SERUM, complications/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, diagnosis/ HEPATITIS VIRUS, HOMOLOGOUS SERUM, isolation & purification/ HUMAN/ IMMUNE ADHERENCE REACTION/ KNEE JOINT/ MIDDLE AGE/ PAIN, etiology/ WRIST

1464. **Guevara M, Villazon A:** Clinical evaluation of paramethasone phosphate in septic shock: a preliminary report. Curr Ther Res 15:191-7, Apr 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ FEMALE/ HEMATOCRIT/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ ORGANOTHIOPHOSPHORUS COMPOUNDS, administration & dosage/ ORGANOTHIOPHOSPHORUS COMPOUNDS, therapeutic use/ PARAMETHASONE, administration & dosage/ PARAMETHASONE, pharmacodynamics/ *PARAMETHASONE, therapeutic use/ *SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, microbiology/ URINATION, drug effects

1465. **Guilbert F, Hosxe G, Costa A, et al:** Ankylose temporo-mandihulaire et syndrome de Nievegelt.
Rev Stomatol Chir Maxillofac 73:471-7, Sep 72 (Fre)
ABNORMALITIES, MULTIPLE, complications/ ADULT/ *ANKYLOSIS, etiology/ AUTOSOME ABNORMALITIES/ BONE AND BONES, abnormalities/ DISLOCATIONS/ ELBOW, abnormalities/ ENGLISH ABSTRACT/ EXTREMITIES, abnormalities/ EXTREMITIES, radiography/ HUMAN/ MALE/ *TEMPOROMANDIBULAR JOINT SYNDROME, etiology

1466. **Guilleminault C, Tharp BR, Cousin D:** HVA and 5HIAA CSF measurements and 5HTP trials in some patients with involuntary movements.
J Neurol Scl 18:435-41, Apr 73
ADOLESCENCE/ ADULT/ AGED/ CHOREA, cerebrospinal fluid/ CHOREA, drug therapy/ *DOPAMINE, metsholism/ DYSTONIA MUSCULORUM DEFORMANS, cerebrospinal fluid/ DYSTONIA MUSCULORUM DEFORMANS, drug therapy/ FEMALE/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ *HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ HYDROXYTRYPTOPHAN, adverse effects/ *HYDROXYTRYPTOPHAN, therapeutic use/ MALE/ MIDDLE AGE/ *MOVEMENT DISORDERS, metaholism/ MYOCLONUS, cerebrospinal fluid/ MYOCLONUS, drug therapy/ *PHENYLACETATES, cerebrospinal fluid/ *SEROTONIN, metaholism/ TORTICOLLIS, cerebrospinal fluid/ TORTICOLLIS, drug therapy/ TREMOR, cerebrospinal fluid/ TREMOR, drug therapy

1467. **Guinet P:** L'enquête hiologique dans l'hyperthyroidie.
Cah Med 13:1235-42, 30 Dec 72 (Fre)
CHOLESTEROL, hlood/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, NODULAR, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, metaholism/ HYPERTHYROIDISM, therapy/ IODINE, hlood/ IODINE ISOTOPES, administration & dosage/ *IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, analysis/ METHODS/ PROTEIN-BOUND IODINE TEST/ RADIOTHERAPY DOSAGE/ *THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, hlood/ THYROTROPIN/ TRIIODOTHYRONINE, diagnostic use

1468. **Guinet P:** Les prohlèmes actuels d'investigation hiologique en pathologie thyroidienne.
Rev Fr Endocrinol Clin 13:265-72, May-Jun 72 (Fre)
CARRIER PROTEINS, metaholism/ ENGLISH ABSTRACT/ *GOITER, metaholism/ GOITER, physiopathology/ HUMAN/ *HYPERTHYROIDISM, metsholism/ HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, metaholism/ HYPOTHYROIDISM, physiopathology/ METHODS/ THYROGLOBULIN, hiosynthesis/ THYROGLOBULIN, metaholism/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, metaholism/ TRIIODOTHYRONINE, metsholism

1469. **Guinet P, Pousset G, Briere J, et al:** Contributin à l'étude du myxoedème à l'iode. A propos d'un cas à l'amiodarone.
Rev Fr Endocrinol Clin 13:229-43, May-Jun 72 (Fre)
*ANTIHYPERTENSIVE AGENTS, adverse effects/ *BENZOFURANS, adverse effects/ CASE REPORT/ CORONARY DISEASE, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE, adverse effects/ IODINE, blood/ IODINE, urine/ IODINE ISOTOPES/ MIDDLE AGE/ *MYXEDEMA, chemically induced/ MYXEDEMA, metaholism/ MYXEDEMA, physiopathology/ PERCHLORIC ACIDS/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, secretion

1470. **Guinet P, Pousset G, Duquesnel J, et al:** Les fistules artério-veineuses dans les nodules thyroidiens.
Rev Fr Endocrinol Clin 13:245-64, May-Jun 72 (Fre)
*ADENOCARCINOMA, complications/ ADOLESCENCE/ ADULT/ ANGIOGRAPHY/ ARTERIOVENOUS FISTULA, diagnosis/ *ARTERIOVENOUS FISTULA, etiology/ ARTERIOVENOUS FISTULA, radiography/ ARTERIOVENOUS FISTULA, surgery/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, complications/ HEART CATHETERIZATION/ HEART DISEASES, etiology/ HEMODYNAMICS/ HUMAN/ MIDDLE AGE/ PHONOCARDIOGRAPHY/ POSTOPERATIVE COMPLICATIONS/ THYROID GLAND, hlood supply/ *THYROID NEOPLASMS, complications/ THYROIDECTOMY

1471. **Guinet P, Tourniaire J, Radi A, et al:** Hyperthyroidie et cancer thyroidien.
Rev Fr Endocrinol Clin 13:199-227, May-Jun 72 **(Fre)**
ADULT/ AGED/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, adverse effects/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RADIOISOTOPE SCANNING/ THORACIC NEOPLASMS/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, chemically induced/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, etiology/ THYROIDECTOMY

1472. **Gumaa KA, Greenbaum AL, McLean P:** Adaptive changes in satellite systems related to lipogenesis in rat and sheep mammary gland and in adipose tissue.
Eur J Biochem 34:188-98, 2 Apr 73
ADENOSINE TRIPHOSPHATE, metabolism/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CYTOSOL, metabolism/ FATTY ACIDS, biosynthesis/ FEMALE/ GLUTAMATE DEHYDROGENASE, metabolism/ GLYCOLYSIS/ ISOCITRATE DEHYDROGENASE, metabolism/ KREBS CYCLE/ LACTATION/ *LIPIDS, biosynthesis/ MALATE DEHYDROGENASE, metabolism/ *MAMMAE, enzymology/ NADP, biosynthesis/ PENTOSEPHOSPHATES, metabolism/ PREGNANCY/ RATS/ SHEEP

1473. **Gun KM:** Foetal distress.
J Indian Med Assoc 59:247-8, 16 Sep 72
ANOXIA, diagnosis/ FEMALE/ FETAL DEATH, prevention & control/ *FETAL DISEASES/ FETAL DISEASES, diagnosis/ FETAL DISEASES, etiology/ HUMAN/ PLACENTA DISORDERS, diagnosis/ PREGNANCY

1474. **Gunashev KZ:** Opyt primeneniia kontrastnoĭ peritoneografii v ginekologicheskoĭ klinike.
Vestn Rentgenol Radiol 47:83-7, Nov-Dec 72 **(Rus)**
ADULT/ *CONTRAST MEDIA, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ *LEIOMYOMA, radiography/ MIDDLE AGE/ *OVARIAN CYSTS, radiography/ *UTERINE NEOPLASMS, radiography

1475. **Gunderson GR, Beckman RC:** Clinical evaluation of a new corticosteroid in the treatment of canine dermatitis.
Vet Med Small Anim Clin 68:339 passim, Apr 73
ANIMAL EXPERIMENTS/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, therapeutic use/ DERMATITIS, drug therapy/ *DERMATITIS, veterinary/ *DOG DISEASES, drug therapy/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTERS, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ PRURITUS, veterinary

1476. **Gunella G:** Interprétation pathogénique des troubles du sommeil et de la respiration dans le sundrome de Pickwick et dans l'hypoventilation alvéolaire primaire.
Bull Physiopathol Respir (Nancy) 8:1257-76, Sep-Oct 72 **(Fre)**
ADULT/ AIRWAY OBSTRUCTION, physiopathology/ APNEA, complications/ *APNEA, etiology/ APPETITE DISORDERS, complications/ BLOOD GAS ANALYSIS/ *CENTRAL NERVOUS SYSTEM DISEASES, complications/ DIABETES INSIPIDUS, complications/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ HYPERCAPNIA, etiology/ *HYPOVENTILATION, complications/ MALE/ MIDDLE AGE/ OBESITY, complications/ *PICKWICKIAN SYNDROME, complications/ RESPIRATORY FUNCTION TESTS/ *SLEEP DISORDERS, etiology

1477. **Günther G:** Mitosen, Zellvermehrung und Zellverschiebung in der Nebennierenrinde. Histometrische un autoradiographische Untersuchungen nach subtotaler und nach einseitiger Epinephrektomie.
Endokrinologie 60:356-78, 1972 **(Ger)**
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CELL DIVISION/ CELL MOVEMENT/ DNA, biosynthesis/ ENGLISH ABSTRACT/ MALE/ MITOSIS/ ORGAN WEIGHT/ RATS/ THYMIDINE/ TRITIUM

1478. **Gupta M, Agarwal KN:** Free amino acid patterns of plasma, erythrocytes and leucocytes in hypoproteinaemia. Br J Nutr 29:151-7, Mar 73
*AMINO ACIDS, blood/ ANEMIA, HYPOCHROMIC, blood/ CHILD, PRESCHOOL/ *ERYTHROCYTES, analysis/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPOPROTEINEMIA, blood/ INFANT/ *LEUKOCYTES, analysis/ LIVER CIRRHOSIS, blood/ NEPHROSIS, blood/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, blood/ SPECTROPHOTOMETRY

1479. **Gupta SP, Bahl L, Dikshit SK:** A study of placenta in relation to birth weight and gestational age.
Indian J Pediatr 39:281-5, Sep 72
*BIRTH WEIGHT/ FEMALE/ *GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MALE/ ORGAN WEIGHT/ PLACENTA, pathology/ *PLACENTA DISORDERS, pathology/ PREGNANCY/ SEX FACTORS

1480. **Guraya SS:** Correlative histochemical and ultrastructural observations on the mitochondria of ram spermiogenesis. Acta Anat (Basel) 84:552-8, 1973
ANIMAL EXPERIMENTS/ CYTOPLASM/ MALE/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA/ *SHEEP/ SPERMATOGENESIS/ *SPERMATOZOA, cytology/ SPERMATOZOA, metabolism/ *TESTIS, cytology/ TESTIS, metabolism

1481. **Gusberg SB:** The dysfunctional and the neoplastic: clinical investigation in the service of patient care in endometrial cancer.
Am J Obstet Gynecol 116:175-83, 15 May 73
BIOPSY/ CARCINOMA, pathology/ *ENDOMETRIUM/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ HYPERPLASIA/ MENOPAUSE/ *PRECANCEROUS CONDITIONS, diagnosis/ *UTERINE NEOPLASMS/ UTERINE NEOPLASMS, classification/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, surgery

1482. **Gust WF, Tobin RB:** Proptosis and cranial nerve pals in a diabetic patient. Nebr Med J 58:154-5, May 7
ADULT/ ALLOXAN DIABETES, diagnosis/ ALLOXAN DIABETES, etiology/ *DIABETIC NEUROPATHIES, complications/ DIABETIC NEUROPATHIES, diagnosis/ EXOPHTHALMOS diagnosis/ *EXOPHTHALMOS, etiology/ HUMAN/ MALE/ MYCOSES/ OCULOMOTOR PARALYSIS, diagnosis/ *OCULOMOTOR PARALYSIS, etiology

1483. **Gustafsson JA:** The formation of 16,17-dihydroxylate C 19 steroids from 16-dehydro C 19 steroids in liv microsomes from male and female rata.
Biochim Biophys Acta 296:179-88, 19 Jan 73
*ANDROSTANES, metabolism/ *ANDROSTENES, metabolism/ ANDROSTENO biosynthesis/ ANDROSTENOL, metabolism/ ANIMAL EXPERIMENTS/ ETHERS, CYCLIC, metabolism/ FEMALE/ GEL FILTRATION/ HYDROGENATION/ HYDROXYSTEROID DEHYDROGENASE/ HYDROXYSTEROIDS, biosynthesis/ HYDROXYSTEROIDS, metabolism/ KETOSTEROIDS, biosynthesis/ KETOSTEROIDS, metabolism/ LIVER, enzymology/ MALE/ MASS SPECTRUM

ANALYSIS/ *MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ PREGNENES, metabolism/ RATS/ SEX FACTORS/ STEROIDS, isolation & purification/ TRITIUM

1484. **Gutierrez-Cernosek RM, Levine L:** Serological aspects of prostaglandins. J Reprod Med 10:125-32, Mar 73
ANIMAL EXPERIMENTS/ *ANTIBODY SPECIFICITY/ BINDING SITES, ANTIBODY/ CHEMISTRY/ FEMALE/ HUMAN/ MALE/ MONKEYS/ PREGNANCY/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ RABBITS/ RADIOIMMUNOASSAY

1485. **Gutierrez Cernosek RM, Morrill LM, Levine L:** Prostaglandin F2alpha levels in peripheral sera of man. Prostaglandins 1:71-80, Jan 72
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ DEPRESSION, CHEMICAL/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ MICROCIRCULATION/ PROSTAGLANDINS, blood/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ SPECTROPHOTOMETRY/ TEMPERATURE

1486. **Gutierrez-Cernosek RM, Zuckerman J, Levine L:** Prostaglandin F2alpha levels in sera during human pregnancy. Prostaglandins 1:331-7, Apr 72
ADULT/ FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

1487. **Gutman RA, Fink G, Voyles N, et al:** Specific biologic effects of intestinal glucagon-like materials. J Clin Invest 52:1165-75, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS/ *FATTY ACIDS, NONESTERIFIED, secretion/ GEL FILTRATION/ *GLUCAGON/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ INSULIN/ *INSULIN, secretion/ INTESTINES/ ISLANDS OF LANGERHANS, drug effects/ LIVER, metabolism/ MALE/ PANCREOZYMIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SECRETIN, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

1488. **Gutman Y, Segal J:** Effect of calcium, potassium and sodium on tyrosine hydroxylase activity in different regions of the rat brain. Biochem Pharmacol 22:865-8, 1 Apr 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ BRAIN STEM, enzymology/ *CALCIUM, pharmacodynamics/ CATECHOLAMINES, biosynthesis/ CAUDATE NUCLEUS, enzymology/ CEREBRAL CORTEX, enzymology/ CORPUS STRIATUM, enzymology/ CULTURE MEDIA/ DOPAMINE, administration & dosage/ HYPOTHALAMUS, enzymology/ IN VITRO/ MALE/ NOREPINEPHRINE, administration & dosage/ OSMOLAR CONCENTRATION/ *POTASSIUM, pharmacodynamics/ RATS/ *SODIUM, pharmacodynamics/ *TYROSINE HYDROXYLASE, metabolism

1489. **Guttmann RD, Beaudoin JG, Morehouse DD:** Reduction of immunogenicity of human cadaver renal allografts by donor pretreatment. Transplant Proc 5:663-5, Mar 73
*ANTIGENS/ AZATHIOPRINE, therapeutic use/ BLOOD PRESSURE/ CADAVER/ CREATININE, blood/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DIURESIS/ GRAFT REJECTION, drug therapy/ GRAFT REJECTION, prevention & control/ HUMAN/ KIDNEY, immunology/ *KIDNEY, transplantation/ METHOTREXATE, therapeutic use/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use

1490. **Guyda HJ, Friesen HG:** Serum prolactin levels in humans from birth to adult life. Pediatr Res 7:534-40, May 73
ADOLESCENCE/ ADULT/ AGED/ ARGININE, pharmacodynamics/ CHILD/ CHILD, PRESCHOOL/ DOPA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCAGON, pharmacodynamics/ HUMAN/ HYPOGLYCEMIA, chemically induced/ HYPOTHALAMUS, drug effects/ INFANT/ INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ INSULIN, adverse effects/ MALE/ PITUITARY GLAND, drug effects/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ THYROTROPIN, metabolism

1491. **Guzecki A:** Uszkodzenia tkanki kostnej po napromienianiu raka sutka. Pol Przegl Radiol 37:277-81, Mar-Apr 73 (Pol)
ADULT/ AGE FACTORS/ AGED/ *BONE AND BONES, radiation effects/ *BREAST NEOPLASMS, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *RADIATION INJURIES/ *RADIOTHERAPY, adverse effects

1492. **Gwee MC, Nott MW, Raper C, et al:** Pharmacological actions of a new -adrenoceptor agonist, MJ-9184-1, in anaesthetized cats. Br J Pharmacol 46:375-85, Nov 72
ADRENERGIC BETA RECEPTOR AGONISTS, antagonists & inhibitors/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ AIRWAY RESISTANCE, drug effects/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BRONCHI, drug effects/ *CARDIOVASCULAR SYSTEM, drug effects/ CATS/ COMPARATIVE STUDY/ *ETHANOLAMINES, pharmacodynamics/ FEMALE/ HEART RATE, drug effects/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ LUNG, drug effects/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ SEROTONIN, antagonists & inhibitors/ SULFONAMIDES, pharmacodynamics

H

1493. **Haas HG:** Generalisierte Osteopathien--Fragen des Internisten an den Radiologen. Radiologe 13:94-6, Mar 73 (Ger)
ATROPHY/ *BONE DISEASES, radiography/ DENSITOMETRY, X-RAY/ HUMAN/ OSTEOPOROSIS, radiography/ TIME FACTORS

1494. **Haas HG:** Idiopathische Hypercalciurie. Dtsch Med Wochenschr 98:683-4, 20 Mar 73 (Ger)
*CALCIUM, urine/ GLOMERULAR FILTRATION RATE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, etiology/ PHOSPHATES, urine

1495. **Haber A, Dray F, Josso N, et al:** Variations de la testostérone plasmatique après stimulation par la gonadotrophine chorionique (H.C.G.) chez les garçons atteints d'insuffisance hypothalamo-hypophysaire. Ann Endocrinol (Paris) 33:534-6, Sep-Oct 72 (Fre)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ HYPOGONADISM, physiopathology/ *HYPOPITUITARISM, physiopathology/ MALE/ PUBERTY/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TESTOSTERONE, blood/ TESTOSTERONE, secretion

1496. **Habermehl G, Swidersky KP:** Photolyse von 20-Hydroxy-steroiden. I. Darstellung von 18 leads to 20-Lactonen. Naturwissenschaften 59:648-9, Dec 72 (Ger)
ANDROSTANES/ CHEMISTRY/ CHOLESTANES/ HYDROXYSTEROIDS/

IODINE/ *LACTONES, chem synthesis/ PHOTOLYSIS/ PREGNANES

1497. Habib R, Kleinknecht C, Gubler MC: Extramembranous glomerulonephritis in children: report of 50 cases.
J Pediatr 82:754-66, May 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ BASEMENT MEMBRANE, pathology/ BIOPSY/ CAPILLARIES, pathology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULONEPHRITIS, complications/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ *GLOMERULONEPHRITIS, pathology/ HEMATURIA, etiology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFANT/ KIDNEY GLOMERULUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ *NEPHROTIC SYNDROME, etiology/ PREDNISONE, therapeutic use/ PROGNOSIS/ PROTEINURIA, etiology/ REMISSION

1498. Haderka J: Moderní genetika a naše současné rodinné právo.
Cesk Epidemiol Mikrobiol Imunol 21:119-25, Mar 73 (Cze)
CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ *EUGENICS/ FAMILY PLANNING/ FEMALE/ GENETIC COUNSELING/ HERMAPHRODITISM, surgery/ HUMAN/ INFORMED CONSENT/ INSEMINATION, ARTIFICIAL/ *LEGISLATION, MEDICAL/ MALE/ PREGNANCY

1499. Hady S: Dipyrone in bronchial asthma.
Br Med J 1:744, 24 Mar 73
ALKYL SULFONATES, administration & dosage/ *ALKYL SULFONATES, therapeutic use/ ANALGESICS AND ANTIPYRETICS, administration & dosage/ *ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANTIPYRINE, administration & dosage/ *ANTIPYRINE, therapeutic use/ *ASTHMA, drug therapy/ HUMAN/ INJECTIONS, INTRAVENOUS/ PROSTAGLANDINS, antagonists & inhibitors

1500. Hägele K: Komplementäre DNA-Replikationsmuster bei Drosophila melanogaster.
Chromosoma 41:231-6, 1973 (Ger)
ANIMAL EXPERIMENTS/ *DNA REPLICATION/ *DROSOPHILA MELANOGASTER/ ENGLISH ABSTRACT/ FEMALE/ MICROSCOPY, PHASE CONTRAST/ SALIVARY GLANDS, cytology/ *SEX CHROMOSOMES/ THYMIDINE/ TRITIUM

1501. Hagen GA, Diuguid LI, Kliman B, et al: Double-isotope derivative assay of serum iodothyronines. 3. Triiodothyronine. Biochem Med 7:191-202, Apr 73
ACETYLATION/ ANHYDRIDES/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ IODINE ISOTOPES/ MATHEMATICS/ METHODS/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, isolation & purification/ TRITIUM

1502. Häger A, Thorell JI: Studies on growth hormone secretion in a patient with the diencephalic syndrome of emaciation. Acta Paediatr Scand 62:231-40, May 73
*CEREBRAL VENTRICLE NEOPLASMS, blood/ CHILD, PRESCHOOL/ CRANIOTOMY/ DEXAMETHASONE, therapeutic use/ *DIENCEPHALON/ *EMACIATION, blood/ EMACIATION, drug therapy/ EMACIATION, radiotherapy/ EUPHORIA/ FEMALE/ GLIOMA, blood/ GROWTH DISORDERS, blood/ GROWTH DISORDERS, drug therapy/ HUMAN/ INFANT/ INSULIN, therapeutic use/ MOTOR ACTIVITY/ NYSTAGMUS/ PALLOR/ SOMATOMEDIN, blood/ *SOMATOTROPIN, blood/ SOMATOTROPIN, therapeutic use/ SYNDROME

1503. Hagerman DD, Isaacson KA: Comparison of ammonium sulfate precipitation and resin adsorption methods for routine measurements of total urinary estrogens in pregnancy. Gynecol Invest 3:195-202, 1972
ADSORPTION/ *AMMONIUM COMPOUNDS, diagnostic use/ AMMONIUM SULFATE, diagnostic use/ COMPARATIVE STUDY/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *ION EXCHANGE RESINS, diagnostic use/ METHODS/ PRECIPITATION/ *PREGNANCY/ PREGNANCY IN DIABETES, urine

1504. Hagerman G: Uber dermatologische Externa, insbesondere deren "Abgabefähigkeit" (releasing capacity.
Z Haut Geschlechtskr 48:97-105, 1 Feb 73 (Ger)
ACNE, drug therapy/ ADRENAL CORTEX HORMONES, administration & dosage/ ALCOHOLS/ ANIMAL EXPERIMENTS/ *DERMATOLOGIC AGENTS, metabolism/ DIFFUSION/ DOSAGE FORMS/ EMULSIONS/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HUMAN/ MODELS, THEORETICAL/ NEURODERMATITIS, drug therapy/ OINTMENTS/ PSORIASIS, drug therapy/ SKIN, metabolism/ *SKIN ABSORPTION/ SOLUTIONS/ SOLVENTS/ VEHICLES

1505. Hagg DD, Schiltz RA: Effect of intramammary corticosteroid administration during late gestation i cattle. Mod Vet Pract 54:29 passim, May 73
*ABORTION, VETERINARY, chemically induced/ ANIMAL EXPERIMENTS/ *CATTLE DISEASES, chemically induced/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, adverse effects/ FEMALE/ *GLUCOCORTICOIDS, administratio & dosage/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, adverse effects/ INJECTIONS/ MAMMAE/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, adverse effects/ PREGNANCY

1506. Haggerty DF, Young PL, Popják G, et al: Phenylalanin hydroxylase in cultured hepatoxytes. I. Hormon control of enzyme levels.
J Biol Chem 248:223-32, 10 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD/ BUTYRATES, pharmacodynamics/ CELL LINE CLONE CELLS, drug effects/ CLONE CELLS enzymology/ CLONE CELLS, growth & development/ CORTICOSTERONE, pharmacodynamics/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FLUORESCENCE SPECTROMETRY/ *GLUCOCORTICOIDS, pharmacodynamics/ *HEPATOMA, enzymology/ HEPATOMA, metabolism/ HYDROCORTISONE, pharmacodynamics/ LIVER, cytology/ *LIVER enzymology/ NEOPLASM PROTEINS, biosynthesis/ PHENYLALANINE, metabolism/ *PHENYLALANINE HYDROXYLASE, biosynthesis/ RABBITS/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

1507. Haglund S, Knutsson E, Mårtensson A: Electromyography in motor disorders of the laryn
Acta Otolaryngol (Stockh) 75:366-7, Apr 73
ADOLESCENCE/ ADULT/ ELECTROMYOGRAPHY/ FEMALE/ HOARSENESS, etiology/ HUMAN/ *LARYNGEAL NERVES, physiopathology/ LARYNGOSCOPY/ LARYNX/ MALE/ MUSCLES, physiopathology/ SPEECH DISORDERS, etiology/ THYROIDECTOMY/ VIBRATION/ *VOCAL CORD PARALYSIS, diagnosis

1508. Hahn EW, Feingold SM: Unilateral reduction i ovulations following selective ovarian x-irradiati
Endocrinology 92:1447-50, May 73
ANIMAL EXPERIMENTS/ FEMALE/ FERTILITY, radiation effects/ LATERALITY NIDATION, radiation effects/ *OVARY, radiation effects/ *OVULATION, radiation effects/ *RADIATION EFFECTS/ RATS

1509. Hähnel R, Twaddle E, Ratajczak T: The specificity of the estrogen receptor of human uterus.

J Steroid Biochem 4:21-31, Jan 73
ANDROGENS, metabolism/ BINDING, COMPETITIVE/ CHARCOAL/ CYTOSOL, metabolism/ DIETHYLSTILBESTROL, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ FEMALE/ HEXESTROL, metabolism/ HUMAN/ IN VITRO/ PREGNANES, metabolism/ PROTEINS, analysis/ *RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism

1510. **Halbach H, Greer MA:** Effect of replacement of medium potassium by sodium, cesium or rubidium on in vitro iodide transport and iodoamino acid syntbesis by rat tbyroid.
Proc Soc Exp Biol Med 143:114-7, May 73
AMINO ACIDS, biosyntbesis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CESIUM, metabolism/ *IODIDES, metabolism/ IODINE, biosyntbesis/ IODINE ISOTOPES/ MALE/ *POTASSIUM, metabolism/ RATS/ *RUBIDIUM, metabolism/ *SODIUM, metabolism/ *THYROID GLAND, metabolism

1511. **Haid H:** Bewertung der Epitbel-Kolloid-Stroma-Methode bei der Beurteilung der Schilddrüsensaktivität.
Z Mikrosk Anat Forsch 86:366-8, 1972 (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/ COLLOIDS/ ENGLISH ABSTRACT/ EPITHELIUM/ METHODS/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, physiology/ *THYROID GLAND FUNCTION TESTS

1512. **Haider S, Sathyanesan AG:** Changes in tbe neurosecretory system of the freshwater teleost Esomus danrica (Ham.) in response to irradiation and thiourea treatment.
Strahlentberapie 145:436-42, Apr 73
ANIMAL EXPERIMENTS/ FISHES/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, radiation effects/ IODINE ISOTOPES/ NEURONS, drug effects/ NEURONS, radiation effects/ PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, radiation effects/ *RADIATION EFFECTS/ *THIOUREA, pbarmacodynamics

1513. **Haigh RD:** Free contraceptives. Br Med J 1:553, 3 Mar 73
BIRTH RATE/ *CONTRACEPTIVES, ORAL/ ENGLAND/ *FAMILY PLANNING/ FEMALE/ HUMAN/ MORTALITY/ PREGNANCY/ PREGNANCY, UNWANTED/ WALES

1514. **Hajicek V, Hajickova V:** Bronchialschleimhaut und Kortikosteroide. Praxis 62:497-500, 17 Apr 73 (Ger)
ADULT/ *ASTHMA, drug tberapy/ *BRONCHITIS, drug therapy/ CHRONIC DISEASE/ DESENSITIZATION/ FEMALE/ HUMAN/ MALE/ MUCOUS MEMBRANE, drug effects/ *PARAMETHASONE, administration & dosage/ PARAMETHASONE, pharmacodynamics/ SPUTUM

1515. **Hajós GT, Szporny L, Kárpáti E, et al:** Studies of tbe potency of polypeptides witb ACTH action by a new method based on continuous measurement of plasma corticosterone. Steroids Lipids Res 3:225-8, 1972
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, blood/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ METHODS/ PEPTIDES, administration & dosage/ PEPTIDES, analysis/ *PEPTIDES, pbarmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, pbysiology/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

1516. **Hakim A:** Effect of human calcitonin on the sarcoplasmic reticulum of the buman heart.
Naturwissenschaften 60:53, Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ CALCIUM, metabolism/ *HEART, drug effects/ HUMAN/ *SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, metabolism/ *THYROCALCITONIN, pharmacodynamics

1517. **Halbfass HJ, Staib I, Heinze V, et al:** Ergebnisse nacb Nierentransplantationen.
Dtsch Med Wocbenschr 98:479-81, 9 Mar 73 (Ger)
ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CADAVER/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GERMANY, WEST/ GRAFT REJECTION/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ SAMPLING STUDIES/ TIME FACTORS/ *TRANSPLANTATION, HOMOLOGOUS, mortality

1518. **Hales JR, Bennett JW, Baird JA, et al:** Thermoregulatory effects of prostaglandins E 1 , E 2 , F 1 and F 2 in the sheep.
Pfluegers Arcb 339:125-33, 21 Mar 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ CEREBRAL VENTRICLES/ COLD/ HYPOTHALAMUS/ INJECTIONS/ MALE/ NEURAL TRANSMISSION/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP

1519. **Halgrimson CG, Penn I, Booth A, et al:** Eight- to ten-year follow-up in early cases of renal bomotransplantation.
Transplant Proc 5:787-91, Mar 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE, tberapeutic use/ BLOOD GROUP INCOMPATIBILITY/ CARCINOMA, BASAL CELL, complications/ CARCINOMA, BASOSQUAMOUS, complications/ CHILD, PRESCHOOL/ FACIAL NEOPLASMS, complications/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ MALE/ NEOPLASM METASTASIS/ PREDNISONE, tberapeutic use/ SKIN NEOPLASMS/ SPLENECTOMY/ THYMECTOMY/ *TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

1520. **Hall BK:** Thyroxine and tbe development of tbe tibia in the embryonic chick. Anat Rec 176:49-64, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARTILAGE, cytology/ *CHICK EMBRYO/ EPIPHYSES, drug effects/ EPIPHYSES, embryology/ *OSTEOGENESIS, drug effects/ THIOUREA, pharmacodynamics/ *THYROXINE, pharmacodynamics/ TIBIA, drug effects/ *TIBIA, embryology

1521. **Hall BK:** Achondroplasia in tbe embryonic chick: its potentiation by cortisone acetate and alleviation by vitamin C. Can J Zool 50:1527-36, Dec 72
*ACHONDROPLASIA, chemically induced/ ANIMAL EXPERIMENTS/ *ASCORBIC ACID, pharmacodynamics/ CHICK EMBRYO/ *CORTISONE, pharmacodynamics/ ORGAN CULTURE/ THALLIUM/ TIBIA

1522. **(Hall RM), Freese AS:** The dentist who made a million. 2. Tic 32:7-10 concl, Feb 73
BONE AND BONES, surgery/ DENTISTS/ SPECIAL LIST DENTAL/ SURGERY, ORAL/ SURGICAL INSTRUMENTS

1523. **Hallahan C, Young DA, Munck A:** Time course of early events in tbe action of glucocorticoids on rat thymus cells in vitro. Synthesis and turnover of a hypotbetical

cortisol-induced protein inhibition of glucose metabolism and of a presumed ribonucleic acid.
J Biol Chem 248:2922-7, 25 Apr 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ *GLUCOSE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ MALE/ *PROTEINS, biosynthesis/ PROTEINS, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ RATS/ *RNA, biosynthesis/ STIMULATION, CHEMICAL/ TEMPERATURE/ THYMUS GLAND, cytology/ THYMUS GLAND, drug effects/ *THYMUS GLAND, metabolism/ TIME FACTORS

1524. **Halle H, Bollmann R, Ittrich G:** Plazentafunktion bei der Behandlung mit Dilatol.
Zentralbl Gynaekol 95:267-70, 23 Feb 73 (Ger)
BLOOD PRESSURE/ ESTROGENS, urine/ FEMALE/ HEART RATE/ HUMAN/ *NYLIDRIN, therapeutic use/ PLACENTA DISORDERS, drug therapy/ PREGNANCY/ *PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY TOXEMIAS, urine

1525. **Hallett M, Schneider AS, Carbone E:** Tetracycline fluorescence as calcium-probe for nerve membrane with some model studies using erythrocyte ghosts.
J Membr Biol 10:31-44, 1972
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *AXONS, metabolism/ AXONS, physiology/ *CALCIUM, metabolism/ CHLORTETRACYCLINE/ *ERYTHROCYTES, metabolism/ FLUOROMETRY/ HUMAN/ LOBSTERS/ MAGNESIUM, metabolism/ *NEURONS, metabolism/ NEURONS, physiology/ OXYTETRACYCLINE/ SQUID/ *TETRACYCLINE

1526. **Hallstrand HO:** Crushing chest injuries.
Int Surg 58:316-21, May 73
BLOOD VOLUME/ *CARDIAC TAMPONADE, surgery/ CENTRAL VENOUS PRESSURE, drug effects/ DEXTRAN, therapeutic use/ DIAPHRAGMATIC HERNIA, TRAUMATIC, surgery/ ESOPHAGUS, injuries/ FRACTURE FIXATION/ *HEMOTHORAX, surgery/ HUMAN/ METHYLPREDNISOLONE, therapeutic use/ MICROCIRCULATION, drug effects/ SPLENIC RUPTURE, surgery/ *THORACIC INJURIES/ *THORAX, surgery

1527. **Hameed K:** Melanotic ovarian neoplasms.
Prog Clin Cancer 5:209-17, 1973
FEMALE/ HUMAN/ *MELANOMA/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS

1528. **Hamet P, Kuchel O, Nowaczynski W, et al:** Hypertension with adrenal, genital, renal defects, and deafness. A new familial syndrome.
Arch Intern Med 131:563-9, Apr 73
ADRENAL GLAND DISEASES, familial & genetic/ ADRENAL GLAND DISEASES, metabolism/ ADULT/ ALDOSTERONE, metabolism/ CORTICOTROPIN, metabolism/ *DEAFNESS, familial & genetic/ DEAFNESS, metabolism/ FEMALE/ GLUCOCORTICOIDS, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ HYDROXYPROGESTERONE, metabolism/ *HYPERTENSION, familial & genetic/ HYPERTENSION, metabolism/ *HYPOGONADISM, familial & genetic/ HYPOGONADISM, metabolism/ *KIDNEY FAILURE, CHRONIC, familial & genetic/ KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ PROGESTERONE, metabolism/ RENIN, metabolism/ SYNDROME

1529. **Hamida MB, Rondot P:** Maladie de Fahr. Etude biologique et anatomique. Absence de signes biologiques d'hypoparathyroidie.
Ann Med Interne (Paris) 123:909-21, Nov 72 (Fre)
AUTOPSY/ BRAIN, pathology/ *CALCINOSIS/ CALCINOSIS, pathology/ CALCINOSIS, radiography/ CALCIUM, blood/ CALCIUM, urine/ CAPILLARIES/ CEREBELLAR NUCLEI/ CEREBRAL CORTEX/ *CEREBROVASCULAR DISORDERS/ CEREBROVASCULAR DISORDERS, diagnosis/ CEREBROVASCULAR DISORDERS, pathology/ COLITIS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ GANGLIA, BASAL/ HUMAN/ *HYPERCALCEMIA/ MIDDLE AGE/ *PARATHYROID DISEASES/ PARATHYROID DISEASES, diagnosis/ PARATHYROID DISEASES, pathology/ PHOSPHORUS, blood/ PROGNOSIS/ SKULL, radiography

1530. **Hamilton LW, Worsham E, Capobianco S:** A spring loaded carrier for transection of fornix and other large fiber bundles.
Physiol Behav 10:157-9, Jan 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ *HIPPOCAMPUS/ HYPOTHALAMUS/ METHODS/ RATS/ *SEPTUM PELLUCIDUM/ *STEREOTAXIC TECHNICS, instrumentation

1531. **Hamilton TC:** The effects of some phosphodiesterase inhibitors on the conductance of the perfused vascular beds of the chloralosed cat.
Br J Pharmacol 46:386-94, Nov 72
ABDOMEN/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, pharmacodynamics/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ CATS/ CHLORALOSE/ *DIPYRIDAMOLE, pharmacodynamics/ FEMALE/ HINDLIMB/ *IMIDAZOLES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KETONES, pharmacodynamics/ MALE/ MESENTERIC ARTERIES/ METHYL ETHER, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ PAPAVERINE, pharmacodynamics/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PROPRANOLOL, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics/ *VASCULAR RESISTANCE, drug effects

1532. **Hammami H, Streiff EB:** Altérations vasculaires rétiniennes dans un cas de lupus érythémateux disséminé. Evolution après traitement aux immunosuppresseurs.
Ophthalmologica 166:16-35, 1973 (Fre)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, pathology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, physiopathology/ MALE/ NEUROLOGIC MANIFESTATIONS/ RETINAL DISEASES, radiography/ RETINAL VESSELS, drug effects/ RETINAL VESSELS, physiopathology

1533. **Hamuth Y, Geib AM:** Clofibrate treatment of idiopathi diabetes insipidus.
JAMA 224:1041-2, 14 May 7
ADULT/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ DIURESIS, dru effects/ HUMAN/ MALE/ OSMOLAR CONCENTRATION/ SPECIFIC GRAVITY/ VASOPRESSIN, secretion

1534. **Han T, Ezdinli EZ, Shimaoka K, et al:** Chlorambucil v combined chlorambucil-corticosteroid therapy i chronic lymphocytic leukemia.
Cancer 31:502-8, Mar 73
ADULT/ AGED/ BLOOD CELL COUNT/ BONE MARROW CELLS, drug effects/ CHLORAMBUCIL, administration & dosage/ CHLORAMBUCIL, adverse effects/ *CHLORAMBUCIL, therapeutic use/ COMPARATIVE STUDY/ DRUG SYNERGISM/ FEMALE/ HEMATOCRIT/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, mortality/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE,

adverse effects/ *PREDNISONE, therapeutic use/ REMISSION

1535. **Hanig JP, Seifter J:** The effects of parenteral administration of catecholamines, serotonin and histamine on behavior and levels of these amines in the brain of the neonate chick.
Arch Int Pharmacodyn Ther 202:38-47, Mar 73
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CHICKENS/ DOPAMINE, metabolism/ *DOPAMINE, pharmacodynamics/ EPINEPHRINE, metabolism/ *EPINEPHRINE, pharmacodynamics/ HISTAMINE, metabolism/ *HISTAMINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics

1536. **Hansen-Leth C, Reimann I:** Knee disarticulation. An experimental study. Acta Orthop Scand 44:75-86, 1973
AMPUTATION/ AMPUTATION STUMPS/ ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ BONE AND BONES, blood supply/ BONE DEVELOPMENT/ DISARTICULATION/ FEMALE/ FEMUR, surgery/ HINDLIMB, surgery/ *KNEE, blood supply/ METHODS/ OSTEOTOMY/ RABBITS/ TETRACYCLINE, diagnostic use/ WOUND HEALING

1537. **Hanson JM, Morley J, Soria C:** Anti-inflammatory property of 401, a peptide from the venom of the bee (Apis mellifica L).
Br J Pharmacol 46:537P-538P, Nov 72
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ *BEES/ BRADYKININ, pharmacodynamics/ CAPILLARY PERMEABILITY, drug effects/ HISTAMINE, pharmacodynamics/ IODINE ISOTOPES/ KALLIKREIN, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ SERUM ALBUMIN/ *VENOMS, pharmacodynamics

1538. **Hansson R:** Heparin-induced increase of diamine oxidase-histaminase(EC 1.4.3.6.) in blood and lymph.
Scand J Clin Lab Invest 31:Suppl 129:1-23, 1973
ANAPHYLAXIS, enzymology/ ANIMAL EXPERIMENTS/ BLISTER, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EXUDATES AND TRANSUDATES, enzymology/ GASTRIC ACIDITY DETERMINATION, secretion/ GUINEA PIGS/ HEPARIN, administration & dosage/ *HEPARIN, pharmacodynamics/ HISTAMINASE, analysis/ *HISTAMINASE, blood/ HISTAMINE LIBERATION/ HUMAN/ INJECTIONS, INTRAVENOUS/ INTESTINES, enzymology/ LYMPH, enzymology/ PLACENTA, enzymology/ RABBITS/ RATS/ SPECIES SPECIFICITY/ STIMULATION, CHEMICAL/ TIME FACTORS

1539. **Hansson V, Djoseland O, Reusch E, et al:** An androgen binding protein in the testis cytosol fraction of adult rats. Comparison with the androgen binding protein in the epididymis. Steroids 21:457-74, Mar 73
*ANDROGENS/ ANIMAL EXPERIMENTS/ BUFFERS/ CASTRATION/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOSOL, analysis/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPIDIDYMIS, analysis/ *EPIDIDYMIS, cytology/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ *PROTEIN BINDING/ *PROTEINS, analysis/ RATS/ RECEPTORS, HORMONE/ TEMPERATURE/ TESTIS, analysis/ *TESTIS, cytology/ TESTIS, physiology/ TRITIUM

1540. **Hantman DA, Vogel JM, Donaldson CL, et al:** Attempts to prevent disuse osteoporosis by treatment with calcitonin, longitudinal compression and supplementary calcium and phosphate.
J Clin Endocrinol Metab 36:845-58, May 73
ADULT/ ALKALINE PHOSPHATASE, blood/ BODY WEIGHT/ CALCANEUS, analysis/ CALCIUM, blood/ *CALCIUM, therapeutic use/ CALCIUM, urine/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ NITROGEN, urine/ *OSTEOPOROSIS, prevention & control/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ *PHOSPHORUS, therapeutic use/ *PRESSURE/ *THYROCALCITONIN, therapeutic use

1541. **Hany A:** Neue pathogenetische und therapeutische Aspekte obstruktiver Lungenerkrankungen.
Schweiz Med Wochenschr 103:645-8, 28 Apr 73 (Ger)
AEROSOLS/ AGED/ AIRWAY OBSTRUCTION, complications/ ANTIBIOTICS, therapeutic use/ *BRONCHITIS/ BRONCHITIS, blood/ BRONCHITIS, drug therapy/ BRONCHITIS, etiology/ BRONCHODILATOR AGENTS, administration & dosage/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PROSTAGLANDINS, administration & dosage/ *PULMONARY EMPHYSEMA/ PULMONARY EMPHYSEMA, blood/ PULMONARY EMPHYSEMA, drug therapy/ PULMONARY EMPHYSEMA, etiology/ TRYPSIN INHIBITORS, blood

1542. **Hänze S:** Kallopenische Endokrinopathien.
Med Welt 24:717-21, 4 May 73 (Ger)
BRONCHIAL NEOPLASMS, complications/ CORTICOTROPIN, secretion/ *ENDOCRINE DISEASES, diagnosis/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, complications/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ POTASSIUM DEFICIENCY, complications/ *POTASSIUM DEFICIENCY, diagnosis/ RENAL ARTERY OBSTRUCTION, complications

1543. **Hara K, Myers RE:** Role of forebrain structures in emotional expression in opossum.
Brain Res 52:131-44, 30 Mar 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ CAUDATE NUCLEUS, physiology/ CEREBRAL CORTEX, physiology/ *EMOTIONS/ FEMALE/ HIPPOCAMPUS, physiology/ LIMBIC SYSTEM, physiology/ MALE/ OLFACTORY BULB, physiology/ OPOSSUMS/ PHYSICAL STIMULATION/ SEPTUM PELLUCIDUM, physiology/ TIME FACTORS

1544. **Harbitz TB:** Testis weight and the histology of the prostate in elderly men. An analysis in an autopsy series.
Acta Pathol Microbiol Scand [A] 81:148-58, Mar 73
ADULT/ AGE FACTORS/ AGED/ ATROPHY, pathology/ AUTOPSY/ BODY WEIGHT/ CARCINOMA, pathology/ HUMAN/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ PROSTATE, anatomy & histology/ PROSTATE, surgery/ PROSTATIC HYPERTROPHY, pathology/ PROSTATIC HYPERTROPHY, surgery/ PROSTATIC NEOPLASMS, pathology/ REGENERATION/ REGRESSION ANALYSIS/ STATISTICS/ *TESTIS, anatomy & histology/ TESTIS, pathology

1545. **Hardin JG Jr:** Steroid-induced morbidity mimicking active systemic lupus erythematosus.
Ann Intern Med 78:558-60, Apr 73
ADULT/ ALCOHOLISM, complications/ DIAGNOSIS, DIFFERENTIAL/ EDEMA, chemically induced/ EDEMA, complications/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ HYPERTENSION, complications/ KIDNEY GLOMERULUS, drug effects/ *LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ *NEPHRITIS, chemically induced/ OSTEOMYELITIS, etiology/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROTEINURIA, chemically induced/ *RHEUMATISM, chemically induced/ STAPHYLOCOCCAL INFECTIONS, etiology

1546. **Hargreave FE:** Extrinsic allergic alveolitis.

Can Med Assoc J 108:1150-4, 5 May 73 (36 ref.)
*ALLERGENS/ ANTIBODIES, analysis/ ANTIGEN-ANTIBODY REACTIONS/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ ENVIRONMENTAL EXPOSURE/ HUMAN/ LUNG, pathology/ MEDICAL HISTORY TAKING/ PARTICLE SIZE/ PNEUMOCONIOSIS/ PREDNISONE, therapeutic use/ *PULMONARY ALVEOLI/ PULMONARY ALVEOLI, pathology/ RESPIRATORY FUNCTION TESTS/ *RESPIRATORY HYPERSENSITIVITY/ RESPIRATORY HYPERSENSITIVITY, diagnosis/ RESPIRATORY HYPERSENSITIVITY, drug therapy/ RESPIRATORY HYPERSENSITIVITY, pathology/ RESPIRATORY HYPERSENSITIVITY, radiography/ RESPIRATORY TRACT DISEASES, diagnosis/ REVIEW/ SKIN TESTS

1547. **Harms D, Pape GR, Bohle A:** Pathologische Anatomie des Waterhouse-Friderichsen-Syndroms unter besonderer Berücksichtigung der disseminierten intravaskulären Koagulation.
Dtsch Med Wochenschr 98:542-7, 16 Mar 73 (Ger)
ADOLESCENCE/ ADRENAL GLANDS, pathology/ ADULT/ BLOOD PLATELETS/ CHILD/ CHILD, PRESCHOOL/ CHOROID PLEXUS, pathology/ *DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ ENGLISH ABSTRACT/ FEMALE/ HAEMOPHILUS INFLUENZAE, isolation & purification/ HEMORRHAGE/ HEMORRHAGIC DIATHESIS, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ MENINGITIS, complications/ MIDDLE AGE/ NEISSERIA MENINGITIDIS, isolation & purification/ SHWARTZMAN PHENOMENON, pathology/ SKIN, pathology/ THROMBOSIS, pathology/ WATERHOUSE-FRIDERICHSEN SYNDROME, complications/ *WATERHOUSE-FRIDERICHSEN SYNDROME, pathology

1548. **Harper E, Toole BP:** Collagenase and hyaluronidase stimulation by dibutyryl adenosine cyclic 3':5'-monophosphate.
J Biol Chem 248:2625-6, 10 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CELL-FREE SYSTEM/ *CLOSTRIDIOPEPTIDASE A, metabolism/ CULTURE MEDIA/ ENZYME ACTIVATION/ ENZYME PRECURSORS, metabolism/ FROGS/ *HYALURONIDASE, metabolism/ LARVA, metabolism/ METAMORPHOSIS, BIOLOGICAL/ *RANA CATESBEIANA, metabolism/ TAIL/ TIME FACTORS/ TISSUE CULTURE

1549. **Harper JW, Heath RG:** Anatomic connections of the fastigial nucleus to the rostral forebrain in the cat.
Exp Neurol 39:285-92, Mar-Apr 73
ANIMAL EXPERIMENTS/ CATS/ *CEREBELLAR NUCLEI, anatomy & histology/ *DIENCEPHALON, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ MALE/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS, anatomy & histology/ STEREOTAXIC TECHNICS/ THALAMIC NUCLEI, anatomy & histology

1550. **Harper MJ:** Stimulation of sperm movement from the isthmus to the site of fertilization in the rabbit oviduct. Biol Reprod 8:362-8, Apr 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION/ FALLOPIAN TUBES/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYALURONIDASE, pharmacodynamics/ INSEMINATION, ARTIFICIAL/ LIGATION/ MALE/ NIDATION/ OVARY, physiology/ OVIDUCTS, physiology/ OVULATION, drug effects/ RABBITS/ *SPERMATOZOA, physiology/ STIMULATION, CHEMICAL/ TIME FACTORS

1551. **Harri MP, Nienstedt W, Hartiala K:** Intestinal absorption and metabolism of androstenedione in the dog. II. In vitro experiments.
Steroids Lipids Res 3:220-4, 1972
*ANDROGENS, metabolism/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DOGS/ GLUCURONATES, metabolism/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ HYDROXYSTEROIDS, metabolism/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, enzymology/ INTESTINAL MUCOSA, metabolism/ ISOMERISM/ JEJUNUM, cytology/ *JEJUNUM, metabolism/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MICROSOMES, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ SULFURIC ACIDS, metabolism/ TESTOSTERONE, metabolism

1552. **Harris F, Illingworth RS:** Congenital hypothalamic lesion leading to growth hormone deficiency and destruction of appetite satiety centre.
Proc R Soc Med 66:217, Mar 73
APPETITE DISORDERS, etiology/ *APPETITE REGULATION/ BRAIN DISEASES, congenital/ CHILD/ DWARFISM, etiology/ FEMALE/ HUMAN/ *HYPOTHALAMUS, physiopathology/ OBESITY, etiology/ *SOMATOTROPIN, secretion

1553. **Harris RK:** Acquisition of conditioned avoidance responses by hypophysectomized rats.
J Comp Physiol Psychol 82:254-60, Feb 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *AVOIDANCE LEARNING/ *CONDITIONING (PSYCHOLOGY)/ DIETARY CARBOHYDRATES/ ELECTROSHOCK/ HOUSING, ANIMAL/ HYPOPHYSECTOMY/ MALE/ *PITUITARY GLAND, physiology/ RATS

1554. **Harrison DF:** Thyroid gland in the management of laryngopharyngeal cancer.
Arch Otolaryngol 97:301-2, Apr 73
CALCIUM, metabolism/ ESOPHAGEAL NEOPLASMS, surgery/ GLOTTIS, surgery/ HUMAN/ LARYNGEAL CARTILAGES, surgery/ *LARYNGEAL NEOPLASMS, surgery/ LARYNGECTOMY/ LYMPHATIC METASTASIS/ NEOPLASM METASTASIS/ PARATHYROID GLANDS, metabolism/ *PHARYNGEAL NEOPLASMS, surgery/ THYROID GLAND, surgery/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY

1555. **Harrison MJ, Brownbill D, Lewis PD, et al:** Cerebral edema following carotid artery ligation in the gerbil
Arch Neurol 28:389-91, Jun 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ BRAIN EDEMA, drug therapy/ *BRAIN EDEMA, etiology/ BRAIN EDEMA, mortality/ *CAROTID ARTERIES, surgery/ CEREBRAL ARTERIES, pathology/ CEREBRAL CORTEX, pathology/ *CEREBROVASCULAR DISORDERS, complications/ CEREBROVASCULAR DISORDERS, etiology/ CIRCLE OF WILLIS, pathology/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ GERBILS/ LIGATION/ METHODS/ NECROSIS/ ORGAN WEIGHT/ STAINS AND STAINING/ TIME FACTORS/ WATER, analysis

1556. **Harrison P:** Three panels from an IMBI associateship
Med Biol Illus 23:42-5, Feb 73
HUMAN/ *MEDICAL ILLUSTRATION/ MICRORADIOGRAPHY/ *PHOTOGRAPHY/ SKIN, transplantation/ TESTICULAR FEMINIZATION/ TRANSPLANTATION, AUTOLOGOUS

1557. **Harrison PC:** Extraretinal photocontrol of reproductive responses of Leghorn hens to photoperiods of different length and spectrum
Poult Sci 51:2060-4, Nov 72
ANIMAL EXPERIMENTS/ *CHICKENS,

physiology/ *CIRCADIAN RHYTHM/ DARKNESS/ EGGS/ ENVIRONMENT, CONTROLLED/ FEMALE/ *LIGHT/ PHOTORECEPTORS, physiology/ PINEAL BODY, physiology/ *REPRODUCTION/ RETINA, physiology

1558. **Hart IC:** Effect of 2-bromo- -ergocryptine on milk yield and the level of prolactin and growth hormone in the blood of the goat at milking.
J Endocrinol 57:179-80, Apr 73
ANIMAL EXPERIMENTS/ DAIRYING/ ERGOT ALKALOIDS, administration & dosage/ *ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ *GOATS, physiology/ INJECTIONS, SUBCUTANEOUS/ LACTATION/ *MILK, secretion/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ *PROLACTIN, blood/ PROLACTIN, physiology/ RADIOIMMUNOASSAY/ SECRETORY RATE/ *SOMATOTROPIN, blood

1559. **Hart IC:** A solid phase radioimmunoassay for ovine and caprine prolactin using sepharose 6B: its application to the measurement of circulating levels of prolactin before and during parturition in the goat.
J Endocrinol 55:51-62, Oct 72
ANIMAL EXPERIMENTS/ CROSS REACTIONS/ FEMALE/ *GOATS, physiology/ GUINEA PIGS, immunology/ HYPOPHYSECTOMY/ IODINE ISOTOPES/ *LABOR/ METHODS/ POLYSACCHARIDES/ PREGNANCY/ *PROLACTIN, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP/ UTERUS, physiology

1560. **Hart IC, Flux DS:** The release of growth hormone in response to milking in the goat during early and late lactation. J Endocrinol 57:177-8, Apr 73
ANIMAL EXPERIMENTS/ DAIRYING/ FEMALE/ *GOATS, physiology/ *LACTATION/ PROLACTIN, blood/ PROLACTIN, physiology/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ SOMATOTROPIN, physiology/ *SOMATOTROPIN, secretion/ TIME FACTORS

1561. **Hart IR, Kuwayti K, Khan SA:** Ankle reflex and thyroid function. Lancet 1:372, 17 Feb 73
ADOLESCENCE/ *ANKLE/ ANKLE, physiopathology/ ANOREXIA NERVOSA, physiopathology/ HUMAN/ MALE/ *REFLEX/ REFLEX, ABNORMAL/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, physiopathology/ TIME FACTORS

1562. **Hart LT, Broussard EA 2d:** Extraction of equine infectious anemia immunodiffusion antigen with the aid of the chaotropic agent, thiocyanate.
Appl Microbiol 25:190-4, Feb 73
ANIMAL EXPERIMENTS/ ANTIGENS, VIRAL, analysis/ *ANTIGENS, VIRAL, isolation & purification/ *EQUINE INFECTIOUS ANEMIA, immunology/ *EQUINE INFECTIOUS ANEMIA VIRUS, immunology/ EVALUATION STUDIES/ FREEZING/ GEL DIFFUSION TESTS/ HORSES/ IMMUNOLOGIC TECHNICS/ METHODS/ SPLEEN, immunology/ *THIOCYANATES

1563. **Hartemann P, Paysant P, Belleville F, et al:** Isolement d'un clone de cellules sécrétant de l'hormone somatotrope humaine en culture de tissu.
C R Soc Biol (Paris) 166:1053-9, 1972 **(Fre)**
BRONCHIAL NEOPLASMS/ CELL AGGREGATION/ *CELLS, CULTURED, secretion/ CLONE CELLS/ CULTURE MEDIA/ EDTA/ HUMAN/ IN VITRO/ KARYOTYPING/ MITOSIS/ MORPHOGENESIS/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, secretion

1564. **Hartiala J, Nienstedt W, Hartiala K:** Testosterone metabolism in rat lung in vitro.
Steroids Lipids Res 3:178-84, 1972
ANDROSTANES, blood/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, blood/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ HYDROXYSTEROIDS, blood/ HYDROXYSTEROIDS, metabolism/ LUNG, cytology/ *LUNG, metabolism/ MICROSOMES, metabolism/ *MITOCHONDRIA, metabolism/ RATS/ SOLUBILITY/ STANOLONE, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *TESTOSTERONE, metabolism

1565. **Hartiala K:** Metabolism of hormones, drugs and other substances by the gut.
Physiol Rev 53:496-534, Apr 73 (372 ref.)
ACETYLATION/ ALCOHOL, ETHYL, metabolism/ AMINO ACIDS, metabolism/ ANDROGENS, metabolism/ BACTERIA, metabolism/ CARCINOGENS, pharmacodynamics/ DEALKYLATION/ DEAMINATION/ *DRUGS, metabolism/ ESTERASES, metabolism/ ESTROGENS, metabolism/ GASTRIC MUCOSA, metabolism/ GLUCURONATES, metabolism/ GLUCURONIDASE, metabolism/ *HORMONES, metabolism/ HUMAN/ HYDROLYSIS/ HYDROXYLATION/ INTESTINES, embryology/ *INTESTINES, metabolism/ INTESTINES, microbiology/ METHYLATION/ MONOAMINE OXIDASE, metabolism/ OXIDATION-REDUCTION/ REVIEW/ SULFATASES, metabolism

1566. **Harti W:** Inhalationstherapie des oberen Respirationstraktes.
HNO 21:33-9, Feb 73 (66 ref.) **(Ger)**
AEROSOLS, adverse effects/ ANTIBIOTICS, administration & dosage/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ EXPECTORANTS, administration & dosage/ EXPECTORANTS, therapeutic use/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *INHALATION THERAPY/ INHALATION THERAPY, adverse effects/ INHALATION THERAPY, instrumentation/ PARTICLE SIZE/ *RESPIRATORY TRACT DISEASES, drug therapy/ REVIEW

1567. **Hartley R, Padwick D, Smith JA:** The inhibition of pineal hydroxyindole-O-methyltransferase by haloperidol and fluphenazine.
J Pharm Pharmacol 24:Suppl:100P-103, Dec 72
AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ *FLUPHENAZINE, pharmacodynamics/ *HALOPERIDOL, pharmacodynamics/ HALOPERIDOL, therapeutic use/ INDOLES/ *METHYLTRANSFERASES, antagonists & inhibitors/ *PINEAL BODY, enzymology/ SCHIZOPHRENIA, drug therapy

1568. **Hartmann H, Meyer H, Steinback G, et al:** Allgemeines Adaptationssyndrom beim Jungtier.
Monatsh Vet Med 28:64-70, 15 Jan 73 (60 ref.) **(Ger)**
*ADAPTATION, PHYSIOLOGICAL/ ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, secretion/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CATTLE/ DOGS/ ENGLISH ABSTRACT/ ENVIRONMENT, CONTROLLED/ FEMALE/ GUINEA PIGS/ HUMAN/ HYPOTHALAMUS/ INFANT, NEWBORN/ MALE/ MORPHOGENESIS/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, secretion/ PITUITARY HORMONES, blood/ PITUITARY HORMONES, secretion/ RATS/ REVIEW/ *STRESS, veterinary/ SWINE

1569. **Harvey RF:** Thyroxine "addicts".
Br Med J 2:35-6, 7 Apr 73
ADULT/ DEPRESSION, drug therapy/ DIET, REDUCING/ *DRUG ADDICTION/ FEMALE/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MIDDLE AGE/ PSYCHOSES, drug therapy/ *THYROXINE/ THYROXINE, blood

1570. **Harwell WB, Patterson JT, Lieberman P, et al:** Platelet

aggregation in atopic and normal patients.
J Allergy Clin Immunol 51:274-84, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ASTHMA, immunology/ BACTERIAL PROTEINS/ CAFFEINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *HAY FEVER, immunology/ HUMAN/ *HYPERSENSITIVITY, IMMEDIATE, immunology/ PHENTOLAMINE, pharmacodynamics/ *PLATELET ADHESIVENESS/ PROPRANOLOL, pharmacodynamics/ SKIN TESTS/ STREPTOCOCCUS

1571. **Hasiam RH, Berman W, Heller RM:** Renal abnormalities in the Russell-Silver syndrome.
Pediatrics 51:216-22, Feb 73
*ABNORMALITIES, MULTIPLE, complications/ ADOLESCENCE/ CHRONIC DISEASE/ *CRANIOFACIAL DYSOSTOSIS, complications/ CRYPTORCHISM, complications/ *DWARFISM, congenital/ EXTREMITIES, abnormalities/ FEMALE/ HUMAN/ HYPERTROPHY, congenital/ HYPOSPADIAS, complications/ INFANT/ *KIDNEY, abnormalities/ MALE/ PYELONEPHRITIS, complications/ PYURIA, complications/ SYNDROME/ URETERAL OBSTRUCTION, complications/ UROGRAPHY/ VESICO-URETERAL REFLUX, complications

1572. **Hass DK:** Nippostrongylus brasiliensis: effect of dexamethasone upon anthelmintic efficacy.
Exp Parasitol 33:10-6, Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANTHELMINTICS, administration & dosage/ *ANTHELMINTICS, therapeutic use/ BENZIMIDAZOLES, administration & dosage/ BENZIMIDAZOLES, therapeutic use/ BUTANES, administration & dosage/ BUTANES, therapeutic use/ CARBAMATES, administration & dosage/ CARBAMATES, therapeutic use/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ *HOOKWORM INFECTIONS, drug therapy/ HOOKWORM INFECTIONS, immunology/ IMMUNOSUPPRESSION/ MALE/ RATS/ THIABENDAZOLE, administration & dosage/ THIABENDAZOLE, therapeutic use/ THIAZOLES, administration & dosage/ THIAZOLES, therapeutic use

1573. **Hassan SZ, Williams JR:** Spread of radiopaque solution in the epidural space of a human neonate.
J Reprod Med 10:31-4, Jan 73
ABDOMEN, blood supply/ ADRENAL GLANDS, blood supply/ CADAVER/ *DIATRIZOATE, administration & dosage/ FEMORAL VEIN/ HEPATIC VEINS/ HUMAN/ ILIAC VEIN/ IMAGE ENHANCEMENT/ *INFANT, NEWBORN/ INJECTIONS/ RENAL VEINS/ *SPINAL CANAL/ SPINAL CANAL, anatomy & histology/ SPINAL NERVE ROOTS/ TELEVISION/ VENA CAVA, INFERIOR

1574. **Hathaway WE:** Heparin therapy in acute meningococcemia. J Pediatr 82:900-1, May 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ *DISSEMINATED INTRAVASCULAR COAGULATION, therapy/ *HEPARIN, therapeutic use/ HUMAN/ INFANT/ ISOPROTERENOL, therapeutic use/ MENINGOCOCCAL INFECTIONS, blood/ MENINGOCOCCAL INFECTIONS, complications/ *MENINGOCOCCAL INFECTIONS, therapy/ SHOCK, ENDOTOXIC, therapy

1575. **Hattler BG, Miller J:** Blocking antibody in the sera and on the kidneys of successful human transplants.
Transplant Proc 5:655-9, Mar 73
*ANTIBODIES, analysis/ ANTIGEN-ANTIBODY COMPLEX/ AZATHIOPRINE, therapeutic use/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HUMAN/ IGG, analysis/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, analysis/ *KIDNEY, immunology/ KIDNEY, transplantation/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTES, immunology/ LYMPHOCYTES, radiation effects/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

1576. **Haug E:** TSH og samspillet hypothalamus--hypofyse--thyreoidea.
Tidsskr Nor Laegeforen 92:2191-5, 20 Nov 72 (Nor)
ENGLISH ABSTRACT/ FEEDBACK/ FEMALE/ HUMAN/ *HYPOTHALAMUS, secretion/ MALE/ *PITUITARY GLAND, secretion/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONES, ANTERIOR, secretion/ THYROID GLAND, drug effects/ *THYROID GLAND, secretion/ THYROID HORMONES, biosynthesis/ THYROTROPIN, blood/ *THYROTROPIN, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

1577. **Haugen HN:** Hypofysens rolle i patogenesen ved Cushings syndrom.
Tidsskr Nor Laegeforen 92:2205-8, 20 Nov 72 (Nor)
AGED/ CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ PERIODICITY/ *PITUITARY GLAND, physiopathology

1578. **Haugen HN:** Neurohypofysehormonenes fysiologi og patofysiologi.
Tidsskr Nor Laegeforen 92:2196-9, 20 Nov 72 (Nor)
BLOOD VESSELS, drug effects/ CELL MOVEMENT, drug effects/ CORONARY VESSELS, drug effects/ DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPONATREMIA, etiology/ LACTATION, drug effects/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, physiology/ *PITUITARY HORMONES, POSTERIOR, physiology/ SPERMATOZOA, drug effects/ UTERUS, drug effects/ VASOPRESSIN, physiology/ WATER-ELECTROLYTE BALANCE, drug effects

1579. **Haugen OA:** Pituitary weight and the histology of the prostate in elderly men. An analysis in an autopsy series.
Acta Pathol Microbiol Scand [A] 81:204-12, Mar 73
ADULT/ AGE FACTORS/ AGED/ AUTOPSY/ BODY HEIGHT/ CARCINOMA/ HUMAN/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ *PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, pathology/ *PROSTATE, anatomy & histology/ PROSTATIC HYPERTROPHY, pathology/ PROSTATIC NEOPLASMS, pathology/ REGRESSION ANALYSIS/ STATISTICS

1580. **Hăulică ID, Brănişteanu DD:** Factorul de creştere nervoasă.
Fiziol Norm Patol 18:483-94, Nov-Dec 72 (97 ref.) (Rum)
ANIMAL EXPERIMENTS/ CARBOHYDRATES, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ GANGLIA, drug effects/ GANGLIA, growth & development/ IN VITRO/ LIPIDS, metabolism/ MICE/ *NERVE GROWTH FACTOR/ NERVE GROWTH FACTOR, analysis/ NERVE GROWTH FACTOR, pharmacodynamics/ NERVE GROWTH FACTOR, physiology/ NERVE REGENERATION/ NEURONS, drug effects/ NEURONS, growth & development/ PROTEINS, biosynthesis/ REVIEW

1581. **Häusler M, MacNeil JD, Frei RW, et al:** Quantitative analysis of 3-indoleacetic acid and serotonin by in situ fluorescence on thin-layer chromatograms.
Mikrochim Acta 1:43-53, 1973
CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE/ *INDOLEACETIC ACID, analysis/ METHODS/ *SEROTONIN, analysis

1582. **Hausman SJ, Palm J:** Serologic detection of a

male-specific cell membrane antigen in the rat.
Transplant Proc 5:307-10, Mar 73
ABSORPTION/ ANIMAL EXPERIMENTS/ *CELL MEMBRANE, immunology/ CELLS, CULTURED/ FEMALE/ FIBROBLASTS, immunology/ HEMAGGLUTINATION TESTS/ *HISTOCOMPATIBILITY ANTIGENS/ IMMUNE SERUMS/ LYMPHOCYTES, immunology/ MALE/ RATS/ RATS, INBRED STRAINS/ *SEX CHROMOSOMES/ SPERMATOZOA, immunology/ SPLEEN, cytology

1583. **Hausswald HR:** Zur Anwendung der Laparoskopie in der Gynäkologie.
Zentralbl Gynaekol 95:49-53, 12 Jan 73 (Ger)
ADNEXAL DISEASES, diagnosis/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ *LAPAROSCOPY/ OVARIAN NEOPLASMS, diagnosis/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ RETROSPECTIVE STUDIES/ STERILITY, FEMALE, diagnosis/ STERILIZATION, TUBAL/ UTERINE DISEASES, diagnosis/ UTERINE NEOPLASMS, diagnosis

1584. **Havemann K, Kuni H, Schmitz-Moormann P:** Klinische und erythrokinetische Befunde bei isolierter aplasie der Erythorpoiese vor und nach erfolgreicher Therapie mit Kortikosteroiden.
Blut 26:193-203, Mar 73 (Ger)
AGAMMAGLOBULINEMIA, complications/ AGED/ ANEMIA, APLASTIC, blood/ ANEMIA, APLASTIC, complications/ *ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, immunology/ ANTIBODIES/ ANTINUCLEAR FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ B-LYMPHOCYTES/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ THYMOMA, complications/ THYROID GLAND, immunology

1585. **Hawkins RA, Williamson DH:** Measurements of substrate uptake by mammary gland of the rat.
Biochem J 129:1171-3, Oct 72
ACETOACETATES, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ FATTY ACIDS, blood/ FEMALE/ HYDROXYBUTYRATES, blood/ LACTATES, blood/ LACTATION/ MAMMAE, blood supply/ *MAMMAE, metabolism/ PYRUVATES, blood/ RATS/ STARVATION/ TRIGLYCERIDES, blood

1586. **Hay DM, Boyd JJ:** A study of the obstetric performance of the adolescent Jamaican primigravida.
Am J Obstet Gynecol 116:34-8, 1 May 73
ADOLESCENCE/ ANEMIA, HYPOCHROMIC, occurrence/ APGAR SCORE/ BODY HEIGHT/ EXTRACTION, OBSTETRICAL/ FEMALE/ FETAL MEMBRANES/ HEMORRHAGE, POSTPARTUM, occurrence/ HUMAN/ HYPERTENSION, occurrence/ INFANT, PREMATURE/ JAMAICA/ LABOR COMPLICATIONS, occurrence/ PLACENTA DISORDERS, occurrence/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, occurrence/ PREGNANCY TOXEMIAS, occurrence/ PRENATAL CARE/ RUPTURE, SPONTANEOUS

1587. **Hayashida T:** Biological and immunochemical studies with growth hormone in pituitary extracts of elasmobranchs.
Gen Comp Endocrinol 20:377-85, Apr 73
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ BIOLOGICAL ASSAY/ FEMALE/ *FISHES, physiology/ IMMUNE SERUMS/ IODINE ISOTOPES/ MONKEYS, immunology/ *PITUITARY GLAND, analysis/ PRECIPITIN TESTS/ RADIOIMMUNOASSAY/ SHARKS, physiology/ *SOMATOTROPIN/ TIBIA, growth & development/ TISSUE EXTRACTS

1588. **Haye B, Champion S, Jacquemin C:** Control by TSH of a phospholipase A 2 activity, a limiting factor in the biosynthesis of prostaglandins in the thyroid.
FEBS Lett 30:253-60, 15 Mar 73
ACETATES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ ASPIRIN, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ PHOSPHOINOSITIDES, metabolism/ *PHOSPHOLIPASE, metabolism/ PHOSPHOLIPIDS, metabolism/ *PROSTAGLANDINS, biosynthesis/ STIMULATION, CHEMICAL/ SWINE/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ *THYROTROPIN, physiology

1589. **Hayes MF Jr, Rosenbaum R, Matsumoto T:** Diagnosis and treatment of hemorrhagic and septic shock.
Int Surg 58:299-303, May 73
ACID-BASE EQUILIBRIUM, drug effects/ BLOOD, microbiology/ BLOOD VOLUME, drug effects/ DEXAMETHASONE, therapeutic use/ FUROSEMIDE, therapeutic use/ GRAM NEGATIVE BACTERIA, isolation & purification/ HUMAN/ LUNG DISEASES, complications/ SHOCK, ENDOTOXIC, complications/ *SHOCK, ENDOTOXIC, diagnosis/ *SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, microbiology/ SHOCK, ENDOTOXIC, prevention & control/ SHOCK, HEMORRHAGIC, complications/ *SHOCK, HEMORRHAGIC, diagnosis/ *SHOCK, HEMORRHAGIC, therapy/ SODIUM CHLORIDE, therapeutic use/ VENOUS PRESSURE, drug effects

1590. **Hayes TJ, Baller J, Mitrovic M:** Murine fascioliasis: laboratory model for the detection of fasciolicidal activity of chemical compounds.
J Parasitol 59:314-8, Apr 73
ANILIDES, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTHELMINTICS, therapeutic use/ BROMINE, therapeutic use/ CATECHOL, therapeutic use/ CHLORINE, therapeutic use/ *DISEASE MODELS, ANIMAL/ *FASCIOLIASIS, drug therapy/ FASCIOLIASIS, pathology/ HEXACHLOROPHENE, therapeutic use/ IODINE, therapeutic use/ MALE/ *MICE/ NITRILES, therapeutic use/ NITROPHENOLS, therapeutic use/ PHENOLS, therapeutic use/ SALICYLAMIDES, therapeutic use/ SULFIDES, therapeutic use

1591. **Haymond MW, Weldon VV:** Female pseudohermaphroditism secondary to a maternal virilizing tumor. Case report and review of the literature. J Pediatr 82:682-6, Apr 73
*ANDROGENS/ BIRTH WEIGHT/ FEMALE/ FETAL DISEASES, etiology/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ MATERNAL-FETAL EXCHANGE/ *OVARIAN NEOPLASMS/ *PREGNANCY COMPLICATIONS/ PREGNANETRIOL, urine/ *PSEUDOHERMAPHRODITISM, etiology/ VIRILISM, etiology

1592. **Hays EF:** Irradiation and viral lymphomagenesis in thymic grafts. J Natl Cancer Inst 50:523-8, Feb 73
ANIMAL EXPERIMENTS/ COBALT ISOTOPES/ GROSS VIRUS/ *LYMPHOMA, etiology/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, etiology/ *RADIATION EFFECTS/ THYMECTOMY/ *THYMUS GLAND, radiation effects/ THYMUS GLAND, transplantation/ *THYMUS NEOPLASMS, etiology/ TISSUE EXTRACTS/ TRANSPLANTATION, HOMOLOGOUS

1593. **Hazard J:** Surcharge iodée et hypothyroïdie.
Nouv Presse Med 2:685-8, 17 Mar 73 (Fre)
AGED/ CONTRAST MEDIA, adverse effects/ CORONARY DISEASE, drug therapy/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ *IODINE, adverse effects/ IODINE, blood/ IODINE, therapeutic use/ IODINE, urine/ IODIZED OILS, adverse effects/ MALE/ MYXEDEMA, chemically induced/

PROTEIN-BOUND IODINE TEST/ *RESPIRATORY INSUFFICIENCY, drug therapy/ *RHEUMATISM, drug therapy/ THYROID GLAND, physiopathology/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TIME FACTORS/ *VASCULAR DISEASES, drug therapy

1594. **Hazard J, Perlemuter L, Galle P, et al:** Nodules thyroidiens sécrétants semblant se vider sous T.S.
Ann Endocrinol (Paris) 33:64-72, Jan-Feb 72 **(Fre)**
*ADENOMA, drug therapy/ ADENOMA, pathology/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, pathology/ THYROIDECTOMY/ THYROTROPIN, pharmacodynamics/ *THYROTROPIN, pharmacodynamics

1595. **Hazard J, Perlemuter L, Bernheim R, et al:** Insuffisances thyroidiennes secondaires à un traitement par l'amiodarone. 2 nouvelles observations.
Nouv Presse Med 2:691-3, 17 Mar 73 **(Fre)**
AGED/ ANGINA PECTORIS, drug therapy/ *ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ *BENZOFURANS, adverse effects/ BENZOFURANS, therapeutic use/ *CORONARY DISEASE, drug therapy/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, diagnosis/ *IODINE, adverse effects/ IODINE, metabolism/ MYOCARDIAL INFARCT, drug therapy/ RADIOISOTOPE SCANNING/ THYROID GLAND FUNCTION TESTS

1596. **Hearn JP:** Pituitary inhibition of pregnancy.
Nature 241:207-8, 19 Jan 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM/ ESTRUS/ FEMALE/ GONADOTROPINS, blood/ HYPOPHYSECTOMY/ LACTATION/ *MARSUPIALIA, physiology/ OVULATION/ *PITUITARY GLAND, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL

1597. **Heath DA, Aurbach GD:** Uptake of 125 I-phloridzin by tubules isolated from the renal cortex of the rat.
J Biol Chem 248:1577-81, 10 Mar 73
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, drug effects/ CHEMISTRY/ CHLORAMINES/ DINITROPHENOLS, pharmacodynamics/ GEL FILTRATION/ GLUCOSE, pharmacodynamics/ HEAT/ IODINE/ IODINE ISOTOPES/ ISOTOPE LABELING/ *KIDNEY, metabolism/ KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ KINETICS/ MALE/ OLIGOMYCIN, pharmacodynamics/ PHLORETIN, pharmacodynamics/ PHLORHIZIN/ *PHLORHIZIN, metabolism/ RATS

1598. **Heath H 3d:** Plasma gonadotropins in germinal cell aplasia (Sertoli-cell-only syndrome).
J Urol 109:847-9, May 73
ADULT/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ *HYPOGONADISM, blood/ LH, blood/ MALE/ RADIOIMMUNOASSAY/ SERTOLI CELLS/ *STERILITY, MALE, blood/ SYNDROME/ *TESTICULAR DISEASES, blood/ TESTOSTERONE, blood

1599. **Heberling HJ, Schwarzmann E:** Kasuistischer Beitrag zum Krankheitsbild der larvierten hyperthyreotischen Krise.
Z Gesamte Inn Med 28:75-8, 1 Feb 73 **(Ger)**
AGED/ ARRHYTHMIA/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FEVER/ HUMAN/ PROTEIN-BOUND IODINE TEST/ STRESS/ *THYROID CRISIS, diagnosis/ THYROID CRISIS, etiology/ THYROIDECTOMY, adverse effects

1600. **Hecht F, Magenis RE, McCaw BK:** Clinical cytogenetics. Dawn breaks on a new era.
Am J Dis Child 125:319-21, Mar 73
CHILD/ CHROMOSOME ABNORMALITIES, diagnosis/ *CYTOGENETICS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ QUINACRINE/ SEX CHROMOSOMES, analysis/ STAINS AND STAINING

1601. **Hecht NB, Davidson D:** The presence of a common active subunit in low and high molecular weight murine DNA polymerases.
Biochem Biophys Res Commun 51:299-305, 17 Mar 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM, enzymology/ *DNA NUCLEOTIDYL-TRANSFERASES/ MALE/ MICE/ MICE, INBRED STRAINS/ MOLECULAR WEIGHT/ SUCROSE/ TESTIS, cytology/ TESTIS, enzymology

1602. **Hechtermans R, L'Hermite-Baleriaux M:** Le dosage de l'H.C.G. urinaire dans la menace d'avortement spontané. Intérêt pronostique.
J Gynecol Obstet Biol Reprod (Paris) 1:869-76, Dec 72 **(Fre)**
*ABORTION, THREATENED/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ PREGNANCY/ PROGNOSIS

1603. **Hecker WC, Coerdt I, Pompino HJ:** Atiologie und Therapie der häufigsten angeborenen Missbildungen--Entgegnung zur Arbeit von H. Eimer.
Fortschr Med 90:1024-5, 12 Oct 72 **(Ger)**
*ABNORMALITIES/ ABNORMALITIES, etiology/ ABNORMALITIES, therapy/ ANUS, IMPERFORATE, therapy/ CHILD/ CHILD, PRESCHOOL/ CLEFT LIP, therapy/ CLEFT PALATE, therapy/ CRYPTORCHISM, therapy/ HUMAN/ HYDROCEPHALUS, therapy/ HYPOSPADIAS, therapy/ INFANT/ MEGACOLON, therapy/ SPINA BIFIDA, therapy/ SYNDACTYLIA, therapy

1604. **Heedman PA, Stenström G:** Clinical findings in patients with hypercalcaemia. A preliminary investigation based on biochemical screening.
Acta Med Scand 193:167-73, Mar 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ARTHRITIS, RHEUMATOID, complications/ BREAST NEOPLASMS, complications/ CALCIUM, adverse effects/ *CALCIUM, blood/ CHILD/ ESOPHAGEAL NEOPLASMS, complications/ FEMALE/ HUMAN/ *HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, occurrence/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, occurrence/ HYPERTHYROIDISM, complications/ KIDNEY NEOPLASMS, complications/ LEUKEMIA, complications/ LUNG NEOPLASMS, complications/ MALE/ MASS SCREENING/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ STOMACH NEOPLASMS, complications/ THIAZINES, adverse effects

1605. **Heesen D, Winkelmann W:** Therapie der Akromegalie.
Dtsch Med Wochenschr 98:444-6, 2 Mar 73 **(Ger)**
ACETATES/ ACROMEGALY, drug therapy/ ACROMEGALY, radiotherapy/ *ACROMEGALY, therapy/ CRYOGENIC SURGERY/ HUMAN/ HYPOPHYSECTOMY/ PITUITARY GLAND IRRADIATION/ PROGESTERONE, therapeutic use/ YTTRIUM, therapeutic use

1606. **Heimgartner M, Corti R, Hodler M, et al:** Untersuchung der Gesamtangiotensinase-Aktivität im Blut bei essentieller Hypertonie.
Schweiz Med Wochenschr 103:485-91, 31 Mar 73 **(Ger**
ADULT/ *ANGIOTENSINASE, blood/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ CREATININE, blood/ ENGLISH ABSTRACT/ ERYTHROCYTES, enzymology/ FEMALE/ HUMAN/ HYPERTENSION, blood/

HYPERTENSION, drug therapy/ *HYPERTENSION, enzymology/ MALE/ MIDDLE AGE/ NEPHROSCLEROSIS, enzymology/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood

1607. **Heinen E, Noack E:** Effects of k-strophanthin and digitoxigenin on contractile force, calcium content and exchange in guinea-pig isolated atria. Naunyn Schmiedebergs Arch Pharmacol 275:359-71, 29 Dec 72
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CARDANOLIDES, pharmacodynamics/ CARDANOLIDES, toxicity/ EXTRACELLULAR SPACE, drug effects/ GUINEA PIGS/ HEART, drug effects/ HEART ATRIUM/ IN VITRO/ MALE/ MYOCARDIUM, metabolism/ *STROPHANTHIN, pharmacodynamics/ STROPHANTHIN, toxicity

1608. **Heinonen J, Orko R, Louhija A:** Anaesthesia for cardioversion: a comparison of althesin and thiopentone. Br J Anaesth 45:49-54, Jan 73
*ANESTHESIA, INTRAVENOUS/ APNEA, chemically induced/ ARRHYTHMIA, SINUS, therapy/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ *ELECTRIC COUNTERSHOCK/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MALE/ MIDDLE AGE/ PREANESTHETIC MEDICATION/ *PREGNANES, pharmacodynamics/ STEROIDS, adverse effects/ *THIOPENTAL, pharmacodynamics

1609. **Heinrikson RL, Sterner R, Noyes C, et al:** On the subunit structure of yeast inorganic pyrophosphatase. J Biol Chem 248:2521-8, 10 Apr 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ARGININE, analysis/ AUTOANALYSIS/ CARBOXYPEPTIDASES/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GUANIDINES/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ *PYROPHOSPHATASES/ PYROPHOSPHATASES, analysis/ *SACCHAROMYCES CEREVISIAE, enzymology/ SODIUM DODECYL SULFATE/ THIOHYDANTOINS, analysis/ TRYPSIN/ TRYPTOPHAN, analysis

1610. **Heinze HG:** Therapie der Schilddrüsen-Malignome. Dtsch Med Wochenschr 98:996-7, 11 May 73 (Ger)
HUMAN/ POSTOPERATIVE CARE/ THYROID NEOPLASMS, drug effects/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy/ TRIIODOTHYRONINE, therapeutic use

1611. **Heinze HG:** Radiojodtest und Gravidität. Munch Med Wochenschr 115:426, 9 Mar 73 (Ger)
ANIMAL EXPERIMENTS/ EMBRYO, radiation effects/ FEMALE/ FETUS, radiation effects/ GESTATIONAL AGE/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ OVARY, radiation effects/ *PREGNANCY, radiation effects/ RADIATION DOSAGE/ *RADIATION EFFECTS/ TECHNETIUM/ THYROID GLAND FUNCTION TESTS

1612. **Heise E, Görlich M:** 17-Hydroxykortikoldausscheidung beim Mammakarzinom. Arch Geschwulstforsch 41:43-51, 1973 (Ger)
AGE FACTORS/ AGED/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ MASTECTOMY/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ TIME FACTORS

1613. **Heissmeyer U:** Das Exomphalos Makroglossie-Gigantismus-Syndrom. Zentralbl Gynaekol 95:158-66, 2 Feb 73 (Ger)
*ABNORMALITIES, MULTIPLE/ ADULT/ ENDOCRINE GLANDS, pathology/ FEMALE/ *GIGANTISM, pathology/ HEPATOMEGALY, pathology/ HUMAN/ HYPERTROPHY/ INFANT, NEWBORN/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MYOCARDIUM, pathology/ ORGAN WEIGHT/ SYNDROME/ *TONGUE, abnormalities/ *UMBILICAL HERNIA, pathology

1614. **Heidtander P, Lee P:** Treatment of acute epiglottitis in children by long-term intubation. Acta Otolaryngol (Stockh) 75:379-81, Apr 73
ACUTE DISEASE/ ANTIBIOTICS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ *EPIGLOTTIS/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT/ INTUBATION, INTRATRACHEAL/ LARYNGEAL DISEASES, drug therapy/ LARYNGEAL DISEASES, surgery/ *LARYNGEAL DISEASES, therapy/ LARYNGOSCOPY/ PREDNISOLONE, therapeutic use/ *RESPIRATORY INSUFFICIENCY, therapy/ TRACHEOTOMY/ TRACHEOTOMY, adverse effects

1615. **Hellman L, Bradlow HL, Zumoff B:** Decreased conversion of androgens to normal 17-ketosteroid metabolites as a result of treatment with o,p'-DDD. J Clin Endocrinol Metab 36:801-3, May 73
*ADRENAL GLAND NEOPLASMS, metabolism/ ANDROSTERONE, metabolism/ *ANEMIA, PERNICIOUS, metabolism/ CARBON ISOTOPES/ DDD, administration & dosage/ *DDD, pharmacodynamics/ DEHYDROEPIANDROSTERONE, metabolism/ ETIOCHOLANOLONE, metabolism/ HUMAN/ HYDROLYSIS/ NEOPLASM METASTASIS/ TESTOSTERONE, metabolism/ TRITIUM

1616. **Hellstrom HR:** Vasospasm in ischemic heart disease--a hypothesis. Perspect Biol Med 16:427-40, Spring 73
ANGINA PECTORIS, etiology/ ANGIOTENSIN/ ANIMAL EXPERIMENTS/ *ARTERIAL OCCLUSIVE DISEASES, complications/ BLOOD PLATELETS/ CATECHOLAMINES/ *CORONARY DISEASE, etiology/ CORONARY DISEASE, history/ DOGS/ FEMALE/ FIBRINOLYSIS/ HUMAN/ MALE/ MYOCARDIAL INFARCT, etiology/ RENIN/ STRESS, PSYCHOLOGICAL

1617. **Helmke U, Geyer G, Richter H:** Zum Verhalten der Glykokalyx bei der apokrinen Sekretion in der Glandula mammaria lactans der Ratte. Anat Anz 132:371-5, 1972 (Ger)
ANIMAL EXPERIMENTS/ *CELL MEMBRANE/ CELL MEMBRANE, analysis/ COLLOIDS/ ELECTRICITY/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ IRON/ LACTATION/ LIPIDS, isolation & purification/ *MAMMAE, cytology/ MICROSCOPY, ELECTRON/ RATS/ STAINS AND STAINING

1618. **Heltne CE, Ollerich DA:** Morphometric and electron microscopic studies of goiter induced by lithium in the rat. Am J Anat 136:297-303, Mar 73
ANIMAL EXPERIMENTS/ CARBONATES/ FEMALE/ *GOITER, chemically induced/ GOITER, pathology/ GOLGI APPARATUS/ INJECTIONS, INTRAPERITONEAL/ LITHIUM/ MALE/ MICROSCOPY, ELECTRON/ ORGAN SPECIFICITY/ ORGAN WEIGHT/ RATS/ SEX FACTORS/ THYROID GLAND, drug effects/ *THYROID GLAND, pathology

1619. **Helton ED, Holmes WN:** The distribution and metabolism of labelled corticosteroids in the duck (Anas platyrhynchos). J Endocrinol 56:361-85, Mar 73
*ALDOSTERONE, metabolism/ ALDOSTERONE, urine/ ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CLOACA, metabolism/ *CORTICOSTERONE, metabolism/ *DUCKS, metabolism/ ESTERS, analysis/ GLUCURONIDASE, pharmacodynamics/

HYDROLYSIS/ INTESTINAL ABSORPTION/ INTESTINES, analysis/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ TRITIUM

1620. Helwig H: Ubersichten Psychopharmaka im Kindesalter.
Monatsschr Kinderheilkd 121:114-20, Mar 73 (79 ref.) (Ger)
ACETYLCHOLINE, metabolism/ AMINOBUTYRIC ACID, metabolism/ CEREBRAL PALSY, drug therapy/ CHILD/ CHLORDIAZEPOXIDE, pharmacodynamics/ CHLORDIAZEPOXIDE, therapeutic use/ CONVULSIONS, drug therapy/ DIAZEPAM, pharmacodynamics/ DIAZEPAM, therapeutic use/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ EPINEPHRINE, metabolism/ HISTAMINE, metabolism/ HUMAN/ LIMBIC SYSTEM, drug effects/ NITRAZEPAM, therapeutic use/ NOREPINEPHRINE, metabolism/ PHENOTHIAZINE TRANQUILIZERS, therapeutic use/ POISONING, drug therapy/ REVIEW/ RHEUMATISM, drug therapy/ SEROTONIN, metabolism/ TETANUS, drug therapy/ *TRANQUILIZING AGENTS, therapeutic use

1621. Hemminki K: Effects of added substances on RNA and protein synthesis in immature neurons.
J Neurochem 20:373-8, Feb 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, metabolism/ CARBON ISOTOPES/ CELL-FREE SYSTEM/ GUANOSINE TRIPHOSPHATE, metabolism/ IN VITRO/ KINETICS/ LEUCINE, metabolism/ MICROSCOPY, ELECTRON/ NEURONS, drug effects/ *NEURONS, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENYLALANINE, pharmacodynamics/ *PROTEINS, biosynthesis/ PROTEINS, metabolism/ RATS/ *RNA, biosynthesis/ RNA, metabolism/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism

1622. Henderson JT, Richmond J, Sumerling MD: Androgenic-anabolic sterold therapy and hepatocellular carcinoma. Lancet 809:934, 28 Apr 73
*ANABOLIC STEROIDS, adverse effects/ *ANDROGENS, adverse effects/ AUSTRALIA ANTIGEN, isolation & purification/ CHILD/ CHILD, PRESCHOOL/ *HEPATOMA, chemically induced/ HUMAN/ LIVER/ *LIVER NEOPLASMS, chemically induced/ MALE/ METHYLTESTOSTERONE, adverse effects/ NORETHANDROLONE, adverse effects/ RADIOISOTOPE SCANNING/ STANOZOLOL, adverse effects

1623. Henderson SR: Pelvic actinomycosis associated with an intrauterine device. Obstet Gynecol 41:726-32, May 73
*ACTINOMYCOSIS, etiology/ *ADNEXAL DISEASES, etiology/ ADULT/ FALLOPIAN TUBES/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ OVARIAN DISEASES, etiology

1624. Hendrickx AG, Newman L: Appendicular skeletal and visceral malformations induced by thalidomide in bonnet monkeys. Teratology 7:151-9, Apr 72
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ *ARM, abnormalities/ BONE AND BONES, abnormalities/ BRAIN, abnormalities/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ECTROMELIA, chemically induced/ FEMALE/ HEART DEFECTS, CONGENITAL, chemically induced/ *LEG, abnormalities/ MONKEYS/ *MONKEYS, embryology/ PREGNANCY/ SPLEEN, abnormalities/ *THALIDOMIDE/ TIME FACTORS/ UMBILICAL ARTERIES, abnormalities/ UROGENITAL SYSTEM, abnormalities

1625. Henning B: A propos de l'utilisation du Topsyne gras en dermatologie. Lyon Med 228:483-4, Nov 72 (Fre)
FLUOCINOLONE ACETONIDE, administration & dosage/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ OINTMENTS/ *SKIN DISEASES, drug therapy

1626. Henry JP, Ely DL, Stephens PM: Changes in catecholamine-controlling enzymes in response to psychosocial activation of the defence and alarm reactions. Ciba Found Symp 8:225-46, 1972
*ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *AROUSAL/ BEHAVIOR, ANIMAL/ BLOOD PRESSURE/ *CATECHOLAMINES/ CATECHOLAMINES, biosynthesis/ CONFLICT (PSYCHOLOGY)/ DOGS/ DOPA, biosynthesis/ DOPA, metabolism/ DRINKING BEHAVIOR/ EXPLORATORY BEHAVIOR/ FEEDING BEHAVIOR/ FEMALE/ HUMAN/ LIMBIC SYSTEM, physiology/ MALE/ *METHYLTRANSFERASES/ MICE/ MICE, INBRED CBA/ MICE, INBRED NZB/ MONKEYS/ NESTING BEHAVIOR/ NOREPINEPHRINE, biosynthesis/ *PITUITARY-ADRENAL SYSTEM/ PREGNANCY/ ROLE/ SIBLING RELATIONS/ *SOCIAL BEHAVIOR/ SOCIAL DOMINANCE/ SOCIAL ISOLATION/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ *TYROSINE HYDROXYLASE

1627. Henson PM, Spiegelberg HL: Release of serotonin from human platelets induced by aggregated immunoglobulins of different classes and subclasses.
J Clin Invest 52:1282-8, May 73
ANTIGEN-ANTIBODY COMPLEX/ BIPHENYL COMPOUNDS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ COMPLEMENT/ HEAT/ HUMAN/ IGG/ *IMMUNOGLOBULINS/ IMMUNOGLOBULINS, FAB/ IMMUNOGLOBULINS, FC/ LACTATE DEHYDROGENASE, metabolism/ MACROGLOBULINS/ MYELOMA PROTEINS/ PLATELET ADHESIVENESS/ *SEROTONIN, secretion/ TRITIUM

1628. Henville A, Jenkin G: A simple and cheap remotely operated system for the iodination of proteins.
Anal Biochem 52:336-41, Apr 73
COSTS AND COST ANALYSIS/ FSH/ *IODINE ISOTOPES/ *ISOTOPE LABELING, instrumentation/ LH/ METHODS/ NEEDLES/ *PROTEINS

1629. Henzl MR, Noriega L, Axnar R, et al: The uterine effects of vaginally administered prostaglandin E2.
Prostaglandins 1:205-15, Mar 72
ADULT/ BLOOD PRESSURE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ INJECTIONS/ MUSCLE CONTRACTION, drug effects/ OVULATION/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ UTERUS, drug effects/ UTERUS, physiology/ VAGINA

1630. Heppner RL, Babitt HI, Bianchine JW, et al: Aortic regurgitation and aneurysm of sinus of Valsalva associated with osteogenesis imperfecta.
Am J Cardiol 31:654-7, May 73
ADULT/ *AORTIC ANEURYSM, complications/ AORTIC ANEURYSM, physiopathology/ *AORTIC VALVE INSUFFICIENCY, complications/ AORTIC VALVE INSUFFICIENCY, etiology/ AORTIC VALVE INSUFFICIENCY, physiopathology/ AORTOGRAPHY/ BLOOD PRESSURE/ CARDIAC OUTPUT/ CASE REPORT/ CINEANGIOGRAPHY/ HEART AUSCULTATION/ HEART CATHETERIZATION/ HUMAN/ MALE/ *OSTEOGENESIS IMPERFECTA, complications/ PEDIGREE

1631. Herberman RB, Rosenberg EB, Halterman RH, et al: Cellular immune reactions to human leukemia.
Natl Cancer Inst Monogr 35:259-66, Dec 72
ANTIGENS, NEOPLASM/ BONE MARROW CELLS, immunology/ CELL MEMBRANE,

immunology/ CHROMIUM ISOTOPES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HUMAN/ *IMMUNITY, CELLULAR/ IMMUNITY, CELLULAR, drug effects/ *LEUKEMIA, immunology/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, immunology/ LEUKOCYTE CULTURE TEST, MIXED/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ SKIN TESTS/ THYMIDINE, metabolism/ TRITIUM/ VINCRISTINE, therapeutic use

1632. **Herington AC, Adamson LF, Bornstein J:** Differentiation on the basis of glucose requirements between the effects of somatomedin on protein synthesis and sulphate incorporation in embryonic chick cartilage.
Biochim Biophys Acta 286:164-74, 24 Nov 72
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, pharmacodynamics/ *CARTILAGE, enzymology/ CHICK EMBRYO/ EMBRYO/ EXTRACELLULAR SPACE/ FEMALE/ *GLUCOSE, pharmacodynamics/ HUMAN/ KINETICS/ MALE/ *MUSCLE PROTEINS, biosyntbesis/ PREGNANCY/ PROLINE, metabolism/ RATS/ *SOMATOMEDIN, pharmacodynamics/ *SULFATES, metabolism/ SULFUR ISOTOPES

1633. **Herman MW, Clark AJ:** Excretion and body distribution of prometbium 147: a study in rats after intramuscular injection.
Arcb Environ Healtb 26:260-3, May 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ DIET/ FECES, analysis/ INJECTIONS, INTRAMUSCULAR/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ PROMETHIUM, analysis/ PROMETHIUM, blood/ *PROMETHIUM, metabolism/ PROMETHIUM, urine/ RATS/ TIME FACTORS

1634. **Herman PS:** Ichthyosis. Med J Aust 1:617, 24 Mar 73
GENES/ GENES, DOMINANT/ GENES, RECESSIVE/ *ICHTHYOSIS, classification/ ICHTHYOSIS, familial & genetic/ SEX CHROMOSOMES

1635. **Hermetet JC, Ciesielski-Treska J, Mandel P:** Effets du "nerve growth factor" sur des cultures de neuroblastes du neuroblastome C-1300.
C R Soc Biol (Paris) 166:1120-3, 1972 (Fre)
ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ BROMODEOXYURIDINE, pbarmacodynamics/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CLONE CELLS/ CULTURE MEDIA/ MICE/ MORPHOGENESIS/ *NERVE GROWTH FACTOR, pbarmacodynamics/ *NEUROBLASTOMA, metabolism

1636. **Hernandez FJ:** Malignant blue nevus. A ligbt and electron microscopic study.
Arcb Dermatol 107:741-4, May 73
ADRENAL GLAND NEOPLASMS, patbology/ ADULT/ BRAIN NEOPLASMS, pathology/ CASE REPORT/ CELL NUCLEUS/ HUMAN/ INTESTINAL NEOPLASMS, pathology/ LUNG NEOPLASMS, pathology/ MALE/ MELANOCYTES/ MICROSCOPY, ELECTRON/ NEOPLASM METASTASIS/ *NEVUS, PIGMENTED, pathology/ PANCREATIC NEOPLASMS, pathology/ SCHWANN CELLS/ *SKIN NEOPLASMS, pathology

1637. **Heft J:** Reaktion des Knocbens auf mechaniscbe Impulse. IX. Bedeutung der Oberflächendrücke für die Modellierung der Diapbyse.
Gegenbaurs Morphol Jabrb 118:351-68, 1973 (Ger)
ANIMAL EXPERIMENTS/ BIOMECHANICS/ *BONE AND BONES, physiology/ BONE DEVELOPMENT/ BONE RESORPTION/ ENGLISH ABSTRACT/ OSTEOCLASTS/ PERIOSTEUM/ PRESSURE/ RABBITS/ TIBIA

1638. **Hertogh R de:** Radioimmunoassay of estrone and estradiol-17 in peripberal plasma of pregnant and non-pregnant women.
J Steroid Biochem 4:75-84, Jan 73
ANTIBODY SPECIFICITY/ CHARCOAL/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MENSTRUATION/ PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

1639. **Hervonen A, Kanerva L:** Neuronal differentiation in human fetal adrenal medulla.
Int J Neurosci 5:43-6, Jan 73
ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, embryology/ *ADRENAL MEDULLA, innervation/ CATECHOLAMINES/ *CELL DIFFERENTIATION/ GLUCOCORTICOIDS/ HUMAN/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ *NEURONS/ *SYMPATHETIC NERVOUS SYSTEM, embryology

1640. **Hervouet F:** Zur Mode der getönten Brillengläser.
Klin Monatsbl Augenbeilkd 162:57-63, Jan 73 (Ger)
*COLOR, adverse effects/ ENDOCRINE DISEASES, etiology/ ENDOCRINE GLANDS, physiology/ ENGLISH ABSTRACT/ EYE DISEASES, etiology/ *EYEGLASSES/ HUMAN/ INDUSTRIAL MEDICINE/ LIGHT/ MACULA LUTEA/ MYOPIA/ RETINAL DEGENERATION/ VISUAL PERCEPTION/ WEATHER

1641. **Herxheimer H:** Beclomethasone aerosol in bronchial asthma. Lancet 1:374-5, 17 Feb 73
AEROSOLS/ *ASTHMA, drug therapy/ BECLOMETHASONE, therapeutic use/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ *METHYLPREDNISOLONE, therapeutic use

1642. **Herzog R, Grimm H, Sandritter W:** Das experimentelle Portiokarzinom der Maus unter der Einwirkung von Norbydroxyprogesteroncapronat.
Beitr Pathol 148:230-41, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ CAPROATES/ CARCINOMA, pathology/ CARCINOMA, EPIDERMOID, pathology/ *CELL DIVISION, drug effects/ *CELL TRANSFORMATION, NEOPLASTIC, drug therapy/ CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, metabolism/ *CERVIX NEOPLASMS, pathology/ DNA, analysis/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ *HYDROXYPROGESTERONE, pharmacodynamics/ METHYLCHOLANTHRENE/ MICE/ MICE, INBRED STRAINS/ MICROSCOPY, PHASE CONTRAST/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, patbology/ PHOTOMETRY/ POLYPLOIDY, drug effects/ TIME FACTORS/ VAGINAL SMEARS

1643. **Hesch RD, Evered D:** Radioimmunoassay of triiodothyronine in unextracted buman serum.
Br Med J 1:645-8, 17 Mar 73
ADULT/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1644. **Heuck F:** Ergebnisse der Mikroradiographie bei Osteopathien. Radiologe 13:102-10, Mar 73 (Ger)
ADULT/ *BONE DISEASES, radiography/ CHILD, PRESCHOOL/ FEMUR, radiography/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, radiography/ INFANT/ MALE/ METHODS/ *MICRORADIOGRAPHY/ OSTEOCYTES/ OSTEOMALACIA, radiography/ OSTEOPETROSIS, radiography/ RICKETS, radiography

1645. **Hiebert JM, Celik Z, Soeldner JS, et al:** Insulin response to hemorrhagic shock in the intact and adrenalectomized primate.

Am J Surg 125:501-7, Apr 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMINOHIPPURIC ACID, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ FEMALE/ GLUCOSE TOLERANCE TEST/ HYDROCORTISONE, blood/ *INSULIN, blood/ LIVER CIRCULATION/ MACACA/ MALE/ MONKEYS/ *SHOCK, HEMORRHAGIC, physiopathology

1646. **Higgins CB, Vatner SF, Braunwald E:** Parasympathetic control of the heart.
Pharmacol Rev 25:119-55, Mar 73 (328 ref.)
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CELL MEMBRANE PERMEABILITY, drug effects/ CORONARY VESSELS, physiology/ DOGS/ HEART, anatomy & histology/ *HEART, innervation/ HEART, physiology/ HEART CONDUCTION SYSTEM, drug effects/ HEART RATE, drug effects/ HEART VENTRICLE, drug effects/ MYOCARDIUM, cytology/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PRESSORECEPTORS, drug effects/ RECEPTORS, CHOLINERGIC/ REFLEX, drug effects/ REVIEW/ STIMULATION, CHEMICAL/ SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGUS NERVE, anatomy & histology/ VASCULAR RESISTANCE

1647. **Higgs DA, Eales JG:** Measurement of circulating thyroxine in several freshwater teleosts by competitive binding analysis.
Can J Zool 51:49-53, Jan 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *FISHES, metabolism/ METHODS/ SALMONIDAE/ *THYROXINE, blood

1648. **Higier J, Zieliński J:** Progestageny w zapobieganiu endometriozie wszczepiennej szyjki macicy po zahlegach elektrochirurgicznych.
Ginekol Pol 44:277-81, Mar 73 (Pol)
*CERVIX EROSION, surgery/ *ELECTROSURGERY/ ELECTROSURGERY, adverse effects/ ENDOMETRIOSIS, etiology/ *ENDOMETRIOSIS, prevention & control/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MESTRANOL, therapeutic use/ *PROGESTATIONAL HORMONES, therapeutic use

1649. **Hildebrandt AG:** The binding of metyrapone to cytochrome P-450 and its inhibitory action on microsomal hepatic mixed function oxidation reactions. Biochem Soc Symp 34:79-102, 1972 (46 ref.)
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON MONOXIDE, metabolism/ CYANIDES/ *CYTOCHROME P-450/ ETHYLAMINES/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ ISOCITRATE DEHYDROGENASE/ METHYLATION/ *METYRAPONE/ *MICROSOMES, LIVER, drug effects/ MORPHINANS/ OXIDATION-REDUCTION/ PHENOBARBITAL/ PROADIFEN/ PSEUDOMONAS, metabolism/ RATS/ REVIEW/ SPECTRUM ANALYSIS

1650. **Hilderbrand DC, Der R, Griffin WT, et al:** Effect of lead acetate on reproduction.
Am J Obstet Gynecol 115:1058-65, 15 Apr 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, urine/ BODY WEIGHT, drug effects/ ESTRUS, drug effects/ FEMALE/ LEAD, administration & dosage/ LEAD, blood/ *LEAD, pharmacodynamics/ LIVER, drug effects/ LIVER, pathology/ MALE/ ORGAN WEIGHT/ *OVARY, drug effects/ PROSTATE, drug effects/ RATS/ *REPRODUCTION, drug effects/ *TESTIS, drug effects/ TESTIS, pathology

1651. **Hill CS Jr, Ibanez ML, Samaan NA, et al:** Medullary (solid) carcinoma of the thyroid gland: an analysis of the M. D. Anderson hospital experience with patients with the tumor, its special features, and its histogenesis. Medicine (Baltimore) 52:141-71, Mar 73
ADOLESCENCE/ ADULT/ AGED/ AUTOPSY/ *CARCINOMA/ CARCINOMA, diagnosis/ CARCINOMA, mortality/ CARCINOMA, pathology/ CARCINOMA, therapy/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, therapy/ THYROIDECTOMY

1652. **Hill GJ 2d, Larsen RR, Sas EM, et al:** Cancer chemotherapy. II. Results of 603 courses of therapy in 400 consecutive patients, followed for 18-52 months.
Oncology 27:137-52, 1973
ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ FOLLOW-UP STUDIES/ HORMONES, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS, radiotherapy/ *NEOPLASMS, drug therapy/ NEOPLASMS, mortality/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ TIME FACTORS

1653. **Hill LF, Lumb GA, Mawer EB, et al:** Indirect inhibition of the biosynthesis of 1,25-dihydroxycholecalciferol in rats treated with a diphosphonate.
Clin Sci 44:335-47, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BONE AND BONES, drug effects/ CALCIUM, blood/ CALCIUM, metabolism/ *CHOLECALCIFEROL, biosynthesis/ CHOLECALCIFEROL, therapeutic use/ CHROMATOGRAPHY/ DUODENUM, metabolism/ KIDNEY, metabolism/ *PHOSPHONIC ACIDS, pharmacodynamics/ PHOSPHORUS, blood/ RATS/ RICKETS, chemically induced/ RICKETS, drug therapy/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TRITIUM/ UREA, blood

1654. **Hill MF, Zdan R:** Staining the developing skeleton with murexide. Acta Anat (Basel) 84:509-15, 1973
*AMMONIUM COMPOUNDS/ ANIMAL EXPERIMENTS/ ANTHRAQUINONES/ *BONE AND BONES, anatomy & histology/ BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM/ *CHELATING AGENTS/ COMPARATIVE STUDY/ METHODS/ RATS/ *STAINS AND STAINING

1655. **Hillestad L:** Arteriell hypotensjon--årsaker og terapi En oversikt.
Tidsskr Nor Laegeforen 93:517-20, 20 Mar 73 (19 ref.) (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ AMPHETAMINE, therapeutic use/ DIET THERAPY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTENSION, ORTHOSTATIC, diagnosis/ *HYPOTENSION, ORTHOSTATIC, therapy/ MALE/ METHOXAMINE, therapeutic use/ REVIEW/ TYRAMINE, therapeutic use

1656. **Hillman GR, Senft AW:** Schistosome motility measurements: response to drugs.
J Pharmacol Exp Ther 185:177-84, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMPLIFIERS/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FIBER OPTICS/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MICE/ MOVEMENT, drug effects/ NOREPINEPHRINE, pharmacodynamics/ NUCLEOTIDES, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ PHYSIOLOGY, instrumentation/ *SCHISTOSOMA MANSONI, drug effects/ SEROTONIN, pharmacodynamics/ STATISTICS/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics

1657. **Hines JR, Suker JR:** Some unusual manifestations c

parathyroid disease.
Surg Clin North Am 53:221-30, Feb 73
ADENOCARCINOMA, complications/ ADENOMA, complications/ ADOLESCENCE/ ADULT/ AGED/ BRAIN NEOPLASMS, diagnosis/ BREAST NEOPLASMS, complications/ CALCIUM, blood/ COLITIS, ULCERATIVE, complications/ COMA, etiology/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, etiology/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ KIDNEY DISEASES, complications/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ NEUROMUSCULAR DISEASES, etiology/ OSTEITIS FIBROSA CYSTICA, complications/ PARATHYROID NEOPLASMS, complications/ PHOSPHORUS, blood/ QUADRIPLEGIA, complications/ THYROID NEOPLASMS, complications/ ZOLLINGER-ELLISON SYNDROME, complications

1658. **Hinman JW:** Prostaglandins: perspective in obstetrics and gynecology.
J Reprod Med 10:118-20, Mar 73 (23 ref.)
FEMALE/ *GYNECOLOGIC DISEASES/ HUMAN/ *PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosyntbesis/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ REVIEW/ SHEEP

1659. **Hinterberger H, Smith AT, Bartholomew RJ, et al:** Biochemical diagnosis of malignant carcinoid tumours. Pathology 5:1-8, Jan 73
ADULT/ AGED/ APPENDICEAL NEOPLASMS, metabolism/ BLOOD PLATELETS, analysis/ BRONCHIAL NEOPLASMS, metabolism/ CARCINOID TUMOR, blood/ *CARCINOID TUMOR, diagnosis/ CARCINOID TUMOR, metabolism/ CARCINOID TUMOR, urine/ CHROMATOGRAPHY, THIN LAYER/ EPINEPHRINE, metabolism/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ HYDROXYTRYPTOPHAN, urine/ INTESTINAL NEOPLASMS, metabolism/ JEJUNUM, analysis/ MALE/ MECKEL'S DIVERTICULUM, analysis/ MIDDLE AGE/ NEOPLASM METASTASIS/ NOREPINEPHRINE, metabolism/ OVARIAN NEOPLASMS, metabolism/ SEROTONIN, analysis/ SEROTONIN, blood

1660. **Hirano T, Hayashi S, Utida S:** Stimulatory effect of prolactin on incorporation of (3H) thymidine into the urinary bladder of the flounder (Kareius bicoloratus).
J Endocrinol 56:591-7, Mar 73
ANIMAL EXPERIMENTS/ BLADDER, cytology/ BLADDER, drug effects/ BLADDER, metabolism/ CARBON ISOTOPES/ *FISHES, metabolism/ INTESTINES, metabolism/ LEUCINE, metabolism/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ SODIUM, metabolism/ STIMULATION, CHEMICAL/ *THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism/ WATER, metabolism

1661. **Hirizescu D, Hirizescu E, Iordache V, et al:** Contribuţii la studiul contrastografiilor în diagnostcul sinuzitelor maxilare.
Otorinolaringologie 18:27-36, Jan-Feb 73 (Rum)
ANTIHISTAMINICS, administration & dosage/ CONTRAST MEDIA/ CORTISONE, administration & dosage/ ENGLISH ABSTRACT/ HUMAN/ IODIZED OILS/ *MAXILLARY SINUS, radiography/ *SINUSITIS, radiography

1662. **Hirose T, Yasutake T, Tarabeih A, et al:** Location of airway constriction following acute experimental pulmonary thromboembolism.
J Appl Physiol 34:431-7, Apr 73
*AIRWAY RESISTANCE/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, secretion/ DOGS/ LUNG COMPLIANCE/ *PULMONARY EMBOLISM, physiopathology/ RESPIRATORY AIRFLOW/ SEROTONIN, secretion/ TIME FACTORS/ VAGOTOMY/ VAGUS NERVE, physiology

1663. **Hiroshige T, Abe K, Wada S, et al:** Sex difference in circadian periodicity of CRF activity in the rat hypothalamus. Neuroendocrinology 11:306-20, 1973
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ *CORTICOTROPIN RELEASING FACTOR, metabolism/ ESTRUS/ FEMALE/ GANGLIA, SPINAL, physiology/ *HYPOTHALAMUS, metabolism/ MALE/ OVARY, physiology/ PITUITARY-ADRENAL SYSTEM/ RATS/ SEX FACTORS/ STRESS

1664. **Hirschhorn K:** Human genetics.
JAMA 224:597-604, 30 Apr 73
CHROMOSOME ABERRATIONS/ CYTOGENETICS/ FEMALE/ GENETIC COUNSELING/ GENETICS, BIOCHEMICAL/ *GENETICS, HUMAN/ GENETICS, POPULATION/ GENOTYPE/ HISTOCOMPATIBILITY/ HUMAN/ HYBRID CELLS/ IMMUNOGENETICS/ KARYOTYPING/ MALE/ MOSAICISM/ PREGNANCY/ PRENATAL DIAGNOSIS/ SEX CHROMATIN/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ STAINS AND STAINING/ TURNER'S SYNDROME, familial & genetic

1665. **Hirschman RJ, Shulman NR:** Utilization of the platelet release reaction to measure ITP factor and platelet antibodies. Trans Assoc Am Physicians 85:325-34, 1972
ADENOSINE TRIPHOSPHATE, blood/ *BLOOD PLATELETS, immunology/ CARBON ISOTOPES/ CITRATES, pharmacodynamics/ EDTA, pharmacodynamics/ HUMAN/ *ISOANTIBODIES, analysis/ METHODS/ *PURPURA, THROMBOPENIC, immunology/ SEROTONIN, blood

1666. **Hirschmann FB, Hirschmann H:** Inversions of both adjacent centers in the formolysis of a 2,2,3-trialkylcyclohexyl tosylate. Formation of a 13-D-bomo steroid. J Org Chem 38:1270-5, 6 Apr 73
ALKYLATION/ *ANDROSTANES, chem syntbesis/ CYCLOHEXANE/ FORMIC ACIDS/ *HOMOSTEROIDS, chem synthesis/ METHODS/ PREGNANES/ STRUCTURE-ACTIVITY RELATIONSHIP/ TOSYL COMPOUNDS

1667. **Hirschmann WD, Vogl HD, Gross R:** Achillessebnenreflexzeit bei Hyperthyreose, Euthyreose und "vegetativer Dystonie".
Med Welt 24:725-6, 4 May 73 (Ger)
ACHILLES TENDON/ AUTONOMIC DYSFUNCTION, physiopathology/ AUTONOMIC NERVOUS SYSTEM, physiopathology/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ *NERVOUS SYSTEM DISEASES, physiopathology/ *REFLEX, TENDON/ TIME FACTORS

1668. **Hirukawa E, Hiroshima T, Imoto N, et al:** [Progesterone determination using progesterone binding protein]
Clin Endocrinol (Tokyo) 21:211-7, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ FEMALE/ GUINEA PIGS/ METHODS/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ *RADIOLIGAND ASSAY

1669. **Hitchcock M:** Adenosine 3',5'-cyclic monophosphate phosphodiesterase in guinea-pig lung--properties and effect of adrenergic drugs.
Biochem Pharmacol 22:959-69, 15 Apr 73
ADENOSINE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ HYDROLYSIS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ *LUNG, enzymology/ MAGNESIUM, pharmacodynamics/ METHOXAMINE, pharmacodynamics/

PHOSPHODIESTERASES, analysis/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ *PHOSPHODIESTERASES, metabolism/ PROPRANOLOL, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ TRITIUM/ VENOMS, pharmacodynamics/ XANTHINES, pharmacodynamics

1670. **Hittelman KJ, Wu CF, Butcher RW:** Control of cyclic AMP levels in isolated fat cells from hamsters. Biochim Biophys Acta 304:188-96, 30 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CELLS, CULTURED/ CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ CYTOLOGICAL TECHNICS/ DRUG SYNERGISM/ EPIDIDYMIS/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ HAMSTERS/ ISOPROTERENOL, pharmacodynamics/ LIPIDS, metabolism/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ TIME FACTORS/ TRITIUM

1671. **Ho BT, Gardner PM, McIsaac WM:** Inhibitors of hydroxyindole-O-methyltransferase: indolealkylpiperazines. J Pharm Sci 62:508-9, Mar 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARBON ISOTOPES/ CATTLE/ FLUORINE, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ HYDROXYINDOLEACETIC ACID/ IN VITRO/ KINETICS/ *METHYLTRANSFERASES, antagonists & inhibitors/ PINEAL BODY, enzymology/ *PIPERAZINES, pharmacodynamics/ PROTEIN BINDING/ STRUCTURE-ACTIVITY RELATIONSHIP

1672. **Ho BT, Taylor D, Askew WE, et al:** Effects of 6-methoxy-1,2,3,4-tetrahydro- -carboline on the regional and subcellular distribution of serotonin in mouse and rat brains. Life Sci [I] 11:493-502, 15 May 72
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBELLUM, analysis/ CEREBRAL CORTEX, analysis/ FEMALE/ HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPOTHALAMUS, analysis/ *INDOLES, pharmacodynamics/ MALE/ MEDULLA OBLONGATA, analysis/ MESENCEPHALON, analysis/ MICE/ MICE, INBRED STRAINS/ NOREPINEPHRINE, analysis/ PARGYLINE, pharmacodynamics/ PONS, analysis/ PROTEIN BINDING, drug effects/ *PYRIDINES, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ *SEROTONIN, biosynthesis/ STIMULATION, CHEMICAL/ SUBCELLULAR FRACTIONS, metabolism/ THALAMUS, analysis/ TRITIUM

1673. **Ho BT, Taylor D, Walker KE, et al:** The mode of action of 6-methoxy-1,2,3,4-tetrahydro- -carboline on brain serotonin. Can J Biochem 51:482-5, Apr 73
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, metabolism/ *BRAIN, metabolism/ CARBON ISOTOPES/ FEMALE/ FLUORESCENCE SPECTROMETRY/ HYDROXYLASES, metabolism/ HYDROXYTRYPTOPHAN/ *INDOLES, pharmacodynamics/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ METHYL ETHER, pharmacodynamics/ MICE/ *PYRIDINES, pharmacodynamics/ RATS/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism

1674. **Ho IK, Loh HH, Way EL:** Cyclic adenosine monophosphate antagonism of morphine analgesia. J Pharmacol Exp Ther 185:336-46, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANALGESIA/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ DOPA, pharmacodynamics/ DRUG INTERACTIONS/ DRUG TOLERANCE/ MALE/ MICE/ MICE, INBRED ICR/ *MORPHINE, antagonists & inhibitors/ MORPHINE, metabolism/ MORPHINE, pharmacodynamics/ PARGYLINE, pharmacodynamics/ SERINE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics

1675. **Ho IK, Loh HH, Way EL:** Effects of cyclic 3',5'-adenosine monophosphate on morphine tolerance and physical dependence.
J Pharmacol Exp Ther 185:347-57, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANALGESIA/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CYCLOHEXIMIDE, pharmacodynamics/ *DRUG TOLERANCE, drug effects/ DRUG WITHDRAWAL SYMPTOMS/ MALE/ MICE/ MICE, INBRED ICR/ *MORPHINE, pharmacodynamics/ MORPHINE, toxicity/ *MORPHINE ADDICTION/ NALOXONE, pharmacodynamics/ PARGYLINE, pharmacodynamics/ TIME FACTORS

1676. **Hobson BM:** Gonadotrophin concentrations in the placentae of man, the rhesus monkey and the marmoset. Folia Primatol (Basel) 18:35-40, 1972
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, isolation & purification/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *MACACA, metabolism/ MICE/ *MONKEYS, metabolism/ PHYSIOLOGY, COMPARATIVE/ *PLACENTA, analysis/ PREGNANCY/ UTERUS, drug effects

1677. **Hoch FL, Hogan FP:** Hyperthermia, muscle rigidity, and uncoupling in skeletal muscle mitochondria in rats treated with halothane and 2,4-dinitrophenol. Anesthesiology 38:237-43, Mar 73
ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ DACTINOMYCIN, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ *DINITROPHENOLS/ DINITROPHENOLS, administration & dosage/ DINITROPHENOLS, pharmacodynamics/ DRUG SYNERGISM/ *FEVER, chemically induced/ *HALOTHANE/ HALOTHANE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ MAGNESIUM SULFATE, pharmacodynamics/ MALE/ MITOCHONDRIA, LIVER, metabolism/ *MITOCHONDRIA, MUSCLE, drug effects/ *MUSCLE RIGIDITY, chemically induced/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ RATS/ STIMULATION, CHEMICAL/ THYROXINE, pharmacodynamics/ TIME FACTORS

1678. **Hocman G:** Gel filtration of thyroxine-binding proteins systematic study of rat liver.
J Chromatogr 77:439-41, 28 Mar 73
ANIMAL EXPERIMENTS/ *GEL FILTRATION/ *LIVER, analysis/ METHODS/ RADIOISOTOPES/ RATS/ SOLUBILITY/ *THYROXINE-BINDING PROTEIN, analysis/ TISSUE EXTRACTS, analysis

1679. **Hodgen GD, Nixon WE, Vaitukaitis JL, et al:** Neutralization of primate chorionic gonadotropin activities by antisera against the subunits of human chorionic gonadotropin in radioimmunoassay and bioassay. Endocrinology 92:705-9, Mar 73
ANIMAL EXPERIMENTS/ *ANTIGENIC DETERMINANTS, analysis/ APES/ BIOLOGICAL ASSAY/ CHIMPANZEES/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ *IMMUNE SERUMS, pharmacodynamics/ IODINE ISOTOPES/ MACACA/ MONKEYS/

PREGNANCY/ RADIOIMMUNOASSAY/ UTERUS

680. Hodkinson HM, Round P, Stanton BR, et al: Sunlight, vitamin D, and osteomalacia in the elderly. Lancet 809:910-2, 28 Apr 73
AGED/ *AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ ENGLAND/ FEMALE/ HUMAN/ MALE/ OSTEOMALACIA, etiology/ *OSTEOMALACIA, occurrence/ PHOSPHATES, blood/ SCOTLAND/ SEASONS/ *SUNLIGHT/ TIME FACTORS/ *VITAMIN D, administration & dosage/ VITAMIN D DEFICIENCY, complications

681. Hodler J: Diagnose und Therapie des primären Hyperaldosteronismus. Schweiz Med Wochenschr 102:1039-44, 29 Jul 72 (73 ref.) (Ger)
ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, surgery/ ALDOSTERONE, urine/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, surgery/ HYPERTENSION, etiology/ HYPOKALEMIA, etiology/ MALE/ RENIN, blood/ REVIEW/ SPIRONOLACTONE, therapeutic use

682. Hoeppli R: Morphological changes in human schistosomiasis and certain analogies in ancient Egyptian sculpture. Acta Trop (Basel) 30:1-11, 1973
EGYPT/ HEMATURIA, etiology/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HUMAN/ LIVER CIRRHOSIS, etiology/ MALE/ *MEDICINE IN ART/ MUMMIES/ PSEUDOHERMAPHRODITISM, etiology/ SCHISTOSOMA HAEMATOBIUM, isolation & purification/ SCHISTOSOMA MANSONI, isolation & purification/ SCHISTOSOMIASIS, complications/ *SCHISTOSOMIASIS, history/ SPLENOMEGALY, etiology

683. Hofbauer KG, Zschiedrich H, Rauh W, et al: Reaction of endogenous renin with exogenous renin substrate within the isolate perfused rat kidney. Proc Soc Exp Biol Med 142:796-9, Mar 73
ANGIOTENSIN, metabolism/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ GLOMERULAR FILTRATION RATE/ IN VITRO/ KIDNEY, blood supply/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KIDNEY FUNCTION TESTS/ MALE/ PERFUSION/ RATS/ RENIN, administration & dosage/ *RENIN, metabolism/ RENIN, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

684. Hoffmann G, Badens D, Kreuzer A, et al: Hemmung der Glucose-6-Phosphat-Dehydrogenase durch Steroide. 7. Einfluss der placentaren G-6-PDH-Aktivität auf die Bildung von Ostrogenen aus 7-alpha- 3 H-DHEA, 7-alpha- 3 H-DHEA-Sulfat oder 7-alpha- 3 H-DHEA-Sulfatid. Endokrinologie 61:124-31, 1973 (Ger)
CELL-FREE SYSTEM/ *DEHYDROEPIANDROSTERONE, metabolism/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTROGENS, biosynthesis/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ *GLUCOSEPHOSPHATE DEHYDROGENASE, pharmacodynamics/ HUMAN/ PLACENTA, enzymology/ PREGNANCY/ SULFATES, metabolism/ SULFATIDES, metabolism

685. Hoffmann G, Wenzel F, Oertel GW, et al: Der Stoffwechsel von Dehydroepiandrosteron-Lauryl-Sulfat bei Psoriasis. Steroids Lipids Res 3:229-35, 1972 (Ger)
ANDROSTENES, urine/ ANDROSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, administration & dosage/ *DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ FATTY ALCOHOLS, administration & dosage/ *FATTY ALCOHOLS, metabolism/ HUMAN/ HYDROXYSTEROIDS, urine/ 17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *PSORIASIS, metabolism/ *SKIN, metabolism/ SULFURIC ACIDS, administration & dosage/ SULFURIC ACIDS, metabolism/ TIME FACTORS/ TRITIUM

1686. Hofmann N, Karlas W: Untersuchungen zur Osmolalität des menschlichen Seminalplasmas. Arch Dermatol Forsch 246:35-46, 29 Jan 73 (Ger)
ENGLISH ABSTRACT/ FIBRINOLYSIS/ FRUCTOSE, analysis/ HUMAN/ MALE/ *OSMOLAR CONCENTRATION/ PROSTATE, metabolism/ *SEMEN, analysis/ SEMEN, enzymology/ *STERILITY, MALE, diagnosis/ TEMPERATURE/ TESTIS, metabolism/ TESTOSTERONE/ VISCOSITY

1687. Hofmann S: Experimentelle Studien an gegengeschalteten Dünndarmsegmenten zur Therapie des "Short bowel Syndrom". I. Langzeituntersuchungen an jungen Hunden. Dtsch Med Wochenschr 98:764-78, 11 May 73 (Ger)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CHOLINESTERASE, analysis/ CINERADIOGRAPHY/ DOGS/ ELECTROMYOGRAPHY/ GASTROINTESTINAL MOTILITY/ HISTOCYTOCHEMISTRY/ HUMAN/ ILEUM, blood supply/ ILEUM, drug effects/ ILEUM, enzymology/ ILEUM, injuries/ ILEUM, physiology/ ILEUM, physiopathology/ *ILEUM, surgery/ ISCHEMIA/ LACTATE DEHYDROGENASE, analysis/ *MALABSORPTION SYNDROMES, prevention & control/ MANOMETRY/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ SEROTONIN, pharmacodynamics/ TEMPERATURE

1688. Hohlweg W: Uber den klinischen Wert des Luteonosticontestes. Wien Klin Wochenschr 85:165-7, 16 Mar 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ AMENORRHEA, diagnosis/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ *HYPOGONADISM, diagnosis/ INFANT/ INFANT, NEWBORN/ *LH, urine/ MALE/ MENOPAUSE/ MIDDLE AGE/ PREGNANCY/ PREGNANCY TESTS, IMMUNOLOGIC/ PREGNANCY, TUBAL, diagnosis/ PUBERTY/ TESTICULAR NEOPLASMS, diagnosis

1689. Holick MF, Semmler EJ, Schnoes HK, et al: 1 -Hydroxy derivative of vitamin D 3 : a highly potent analog of 1 ,25-dihydroxyvitamin D 3 . Science 180:190-1, 15 Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BIOLOGICAL TRANSPORT, drug effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ *CHOLECALCIFEROL, chem synthesis/ CHOLECALCIFEROL, pharmacodynamics/ INTESTINAL MUCOSA, metabolism/ INTESTINES, metabolism/ MALE/ RATS/ TIME FACTORS

1690. Holl-Allen RT: The recurrent laryngeal nerve and thyroidectomy. Lancet 809:933, 28 Apr 73
HUMAN/ *LARYNGEAL NERVES/ POSTOPERATIVE COMPLICATIONS/ *THYROIDECTOMY/ VOCAL CORD PARALYSIS, prevention & control

1691. Hollander A, Grots IA: Mucha-Habermann disease following estrogen-progesterone therapy. Arch Dermatol 107:465, Mar 73
ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MEDROXYPROGESTERONE, adverse effects/ NORETHINDRONE, adverse effects/ *PARAPSORIASIS, chemically induced/ *PROGESTATIONAL HORMONES, adverse

effects/ SYNDROME/ VASCULAR DISEASES, chemically induced

1692. **Hollander D:** Recent developments in viral hepatitis therapy. Geriatrics 28:100-3, Apr 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ANTIBIOTICS, therapeutic use/ BRAIN DISEASES, etiology/ DIET THERAPY/ HEPATIC COMA, therapy/ HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, drug therapy/ HEPATITIS, INFECTIOUS, mortality/ *HEPATITIS, INFECTIOUS, therapy/ HUMAN/ NECROSIS/ PEPTIC ULCER, chemically induced/ RECURRENCE/ REST

1693. **Hollands TR, Johnson WJ:** A gas chromatographic method for the determination of metyrapone and its reduced derivative in plasma.
Biochem Med 7:288-91, Apr 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ MALE/ METHODS/ *METYRAPONE, blood/ OXIDATION-REDUCTION/ RATS/ TIME FACTORS

1694. **Holm PC, Pandey SD:** Treatment of ganglia of the hand and wrist with aspiration and injection of hydrocortisone. Hand 5:63-8, Feh 73
ADOLESCENCE/ ADULT/ CHILD/ DRAINAGE/ FEMALE/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ INJECTIONS/ MALE/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ SYNOVIAL CYST, drug therapy/ SYNOVIAL CYST, surgery/ *SYNOVIAL CYST, therapy/ *TENDONS, PARA-ARTICULAR/ *WRIST JOINT

1695. **Holm WW:** Corticoids and respiratory distress.
Pediatrics 51:955-6, May 73
ADRENAL GLANDS, drug effects/ CATECHOLAMINES, adverse effects/ CORTICOTROPIN, pharmacodynamics/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT, NEWBORN/ METHYLTRANSFERASES, biosynthesis/ PULMONARY ALVEOLI, drug effects/ *RESPIRATORY DISTRESS SYNDROME, drug therapy/ RESPIRATORY DISTRESS SYNDROME, enzymology

1696. **Holman ME:** A discussion on recent developments in vertebrate smooth muscle physiology. A survey of new findings and the discussions arising during sessions I. II and 3.
Philos Trans R Soc Lond [Biol Sci] 265:157-65, 15 Mar 73 (24 ref.)
ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ ELECTROPHYSIOLOGY/ MEMBRANE POTENTIALS/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, anatomy & histology/ MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, innervation/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ NEURAL TRANSMISSION/ NEUROMUSCULAR JUNCTION/ POTASSIUM, metabolism/ REVIEW/ SODIUM, metabolism

1697. **Holmes EW, McDonald JA, McCord JM, et al:** Human glutamine phosphoribosylpyrophosphate amidotransferase. Kinetic and regulatory properties.
J Biol Chem 248:144-50, 10 Jan 73
ADENOSINE MONOPHOSPHATE/ ALCOHOL, ETHYL/ BINDING SITES/ CARBON ISOTOPES/ CATIONS, DIVALENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, enzymology/ ENZYME ACTIVATION/ FEEDBACK/ FEMALE/ GLUTAMINE/ HUMAN/ KINETICS/ NUCLEOTIDES/ OSMOLAR CONCENTRATION/ PENTOSEPHOSPHATES/ *PENTOSYLTRANSFERASES/ PENTOSYLTRANSFERASES, antagonists & inhibitors/ PHOSPHATES/ PLACENTA, cytology/ *PLACENTA, enzymology/ PRECIPITATION/ PREGNANCY/ PURINES/ PYRIMIDINES/ PYROPHOSPHORIC ACIDS

1698. **Holmes JT:** Small-bowel transplantation: an experimental study.
Ann R Coll Surg Engl 52:165-81, Mar 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CARBON ISOTOPES/ COBALT ISOTOPES/ DOGS/ FEMALE/ GLUCOSE, metabolism/ GRAFT REJECTION/ IMMUNOSUPPRESSION/ INTESTINAL ABSORPTION/ *INTESTINE, SMALL, transplantation/ JEJUNUM, metabolism/ JEJUNUM, transplantation/ MALE/ MITOSIS/ PREDNISOLONE, therapeutic use/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ VITAMIN B 12, metabolism

1699. **Holmes LB, Nash A, ZuRhein GM, et al:** X-linked aqueductal stenosis: clinical and neuropathological findings in two families. Pediatrics 51:697-704, Apr 73
*CEREBRAL AQUEDUCT, abnormalities/ DIENCEPHALON, pathology/ GLIOSIS, pathology/ HUMAN/ HYDROCEPHALUS, complications/ HYDROCEPHALUS, diagnosis/ *HYDROCEPHALUS, familial & genetic/ HYDROCEPHALUS, pathology/ INFANT, NEWBORN/ MALE/ PEDIGREE/ PONS, pathology/ PREGNANCY/ *SEX CHROMOSOME ABNORMALITIES, pathology/ STAINS AND STAINING/ THALAMUS, pathology/ TROCHLEAR NERVE, cytology

1700. **Holmes RS, Cooper DW, Vandeberg JL:** Marsupial and monotreme lactate dehydrogenase isozymes: phylogeny, ontogeny, and homology with eutherian mammals. J Exp Zool 184:127-48, Apr 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ ANTIBODY SPECIFICITY/ ELECTROPHORESIS, STARCH GEL/ ERYTHROCYTES, enzymology/ *EVOLUTION/ FEMALE/ GENES/ *LACTATE DEHYDROGENASE ISOENZYMES, analysis/ LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ LIVER, enzymology/ MALE/ *MAMMALS, metabolism/ *MARSUPIALIA, metabolism/ MONOTREMATA, metabolism/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PHENOTYPE/ SPECTROPHOTOMETRY/ TEMPERATURE/ TESTIS, enzymology

1701. **Holmlund CE:** Growth inhibition of Tetrahymena pyriformis by a hypocholesteremic compound and the mechanism of its reversal by various lipids.
Biochim Biophys Acta 296:221-33, 19 Jan 73
ANDROSTENES, antagonists & inhibitors/ *ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTICHOLESTEREMIC AGENTS, antagonists & inhibitors/ *ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ CHOLESTEROL, pharmacodynamics/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, pharmacodynamics/ ETHYL ETHER, pharmacodynamics/ GLYCOLIPIDS, isolation & purification/ GLYCOLIPIDS, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ 17-KETOSTEROIDS, pharmacodynamics/ *LIPIDS, pharmacodynamics/ POLYCYCLIC COMPOUNDS, metabolism/ SITOSTEROLS, pharmacodynamics/ SOY BEANS/ SOY BEAN analysis/ STEROLS, isolation & purification/ STEROLS, pharmacodynamics/ STIGMASTEROL, pharmacodynamics/ TERPENES, metabolism/ TETRAHYMENA PYRIFORMIS, drug effects/ *TETRAHYMENA PYRIFORMIS, growth & development

1702. **Holst JJ, Hending LG, Rehfeld JF:** Gut glucagon and reactive hypoglycaemia. Lancet 1:1008, 5 May
BINDING, COMPETITIVE/ *GLUCAGON, secretion/ HORMONES, ECTOPIC, secretion/ HUMAN/ HYPOGLYCEMIA, etiology/

*INTESTINES, secretion/ KIDNEY NEOPLASMS, physiopathology/ LIVER, metabolism/ PANCREAS, secretion/ RECEPTORS, HORMONE

1703. Holt WV, Tam WH: Steroid metabolism by the chin gland of the male culs, Galea musteloides.
J Reprod Fertil 33:53-9, Apr 73
ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *GUINEA PIGS, metabolism/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ MALE/ *OXIDOREDUCTASES, metabolism/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ SEBACEOUS GLANDS, cytology/ *SEBACEOUS GLANDS, enzymology/ SEBUM/ SEX BEHAVIOR, ANIMAL/ TESTOSTERONE, metabolism

1704. Holzbauer M, Bull G, Godden U: Metabolism of pregnenolone in adrenal homogenates at low temperatures. J Steroid Biochem 4:33-40, Jan 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHICK EMBRYO/ COLD/ DOGS/ FEMALE/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ IN VITRO/ KETONES, pharmacodynamics/ *PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RABBITS/ SHEEP/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS

1705. Holzmann H, Fränz J, Morsches B, et al: Einfluss des Dehydroepiandrosterons auf den Mitosezyklus.
Arzneim Forsch 23:271-4, Feb 73 (Ger)
CELLS, CULTURED/ COLCHICINE, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HUMAN/ LYMPHOCYTES/ *MITOSIS, drug effects

1706. Holzmann H, Morsches B, Hoede N: Atiopathogenese der psoriasis-Krankheit.
Med Welt 24:429-34, 23 Mar 73 (85 ref.) (Ger)
ALCOHOL DRINKING/ ANDROSTERONE, metabolism/ CELL MEMBRANE PERMEABILITY/ ENVIRONMENT/ ERYTHROCYTES, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ *METABOLISM, INBORN ERRORS, complications/ NAD, metabolism/ PENTOSEPHOSPHATES, metabolism/ PSORIASIS, complications/ PSORIASIS, enzymology/ *PSORIASIS, etiology/ PSORIASIS, familial & genetic/ PSORIASIS, metabolism/ PSYCHOPHYSIOLOGIC DISORDERS, etiology/ REVIEW

1707. Homsher PJ, Oliver JH Jr: Cytogenetics of ticks (Acari: Ixodoidea). II. Chromosomes of Argas radiatus Railliet and Argas sanchezi Dugès (Argasidae) with notes on spermatogenesis and hybridization.
J Parasitol 59:375-8, Apr 73
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ FEMALE/ *HYBRIDIZATION/ KARYOTYPING/ MALE/ MEIOSIS/ MITOSIS/ SEX CHROMOSOMES/ *SPERMATOGENESIS/ TESTIS, cytology/ TICKS, anatomy & histology/ *TICKS, physiology

1708. Hooper JA, Smith EL, Sommer KR, et al: Histone 3. IV. Amino acid sequence of histone 3 of the testes of the carp, Letiobus bubalus.
J Biol Chem 248:3275-9, 10 May 73
*AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ *CYPRINIDAE/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ *HISTONES, analysis/ MALE/ PEPTIDES, analysis/ PROTEIN HYDROLYSATES/ *TESTIS, analysis/ TRYPSIN

1709. Hoppe D, Bronsch T, Gudowski J: Die Bedeutung der Knochenszintigraphie (85 Sr) bei der Früherfassung von Knocbenmetastasen und Möglichkeiten für deren Behandlung.
Z Aerztl Fortbild (Jena) 67:176-80, 15 Feb 73 (Ger)
ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, radiotherapy/ BONE NEOPLASMS, surgery/ BREAST NEOPLASMS, surgery/ CASTRATION/ COBALT ISOTOPES, therapeutic use/ FEMALE/ HUMAN/ MULTIPLE MYELOMA, radiotherapy/ NEOPLASM METASTASIS/ PHOSPHORUS ISOTOPES/ PREDNISONE, therapeutic use/ *RADIOISOTOPE SCANNING/ RADIOISOTOPE TELETHERAPY/ STRONTIUM ISOTOPES

1710. Hör G: Nuklearbiologische und nuklearmedizinische Untersucbungen mit Radiotechnetium und Radioindium. Fortschr Med 90:1311-4, 21 Dec 72 (Ger)
EDTA, metabolism/ ERYTHROCYTES, metabolism/ FETAL DISEASES, diagnosis/ HALF-LIFE/ HEART DISEASES, diagnosis/ HUMAN/ HYPERTENSION, PULMONARY, diagnosis/ *INDIUM, diagnostic use/ KIDNEY DISEASES, diagnosis/ LUNG DISEASES, diagnosis/ MACROMOLECULAR SYSTEMS, metabolism/ PLACENTA DISORDERS, diagnosis/ *RADIOISOTOPE SCANNING/ *RADIOISOTOPES, diagnostic use/ *TECHNETIUM, diagnostic use

1711. Hori H: [Bioassay of various anti-ulcer drugs using the clamping-cortisone ulcer--with special reference to the tissue and numerical analysis]
Jap J Gastroenterol 69:19-35, Jan 72 (Jap)
ANIMAL EXPERIMENTS/ *ANTACIDS, therapeutic use/ BICARBONATES, therapeutic use/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ CORTISONE/ ENGLISH ABSTRACT/ GANGLIONIC BLOCKADERS, therapeutic use/ MALE/ PARASYMPATHOLYTICS, therapeutic use/ PARASYMPATHOMIMETICS, therapeutic use/ RATS/ STOMACH, pathology/ *STOMACH ULCER, drug therapy/ STOMACH ULCER, etiology/ STOMACH ULCER, pathology/ TESTOSTERONE, therapeutic use/ VITAMINS, therapeutic use

1712. Hori R, Sato K: The incorporation of 45 Ca into the egg of the medaka, Oryzias latipes.
Experientia 29:144-5, 15 Feb 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FEMALE/ FISHES/ KINETICS/ *OVUM, metabolism

1713. Horkay I, Alföldy G: Angaben über den Serotonin-Stoffwechsel bei chroniscb polymorphen Lichtausschlägen.
Z Haut Geschlechtskr 47:855-8, 15 Oct 72 (Ger)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ERYTHEMA, chemically induced/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ HYPERSENSITIVITY, IMMEDIATE, diagnosis/ INJECTIONS, INTRADERMAL/ MALE/ MIDDLE AGE/ *PHOTOSENSITIZATION, metabolism/ PHOTOSENSITIZATION, urine/ SEROTONIN, administration & dosage/ *SEROTONIN, metabolism/ SKIN TESTS

1714. Horn H, Ben-Uzilio R, Finkelstein M: A radio-enzymic method for estimation of testosterone in human blood and urine. Steroids Lipids Res 3:101-9, 1972
ADULT/ CHEMISTRY/ ESTRADIOL, biosyntbesis/ EVALUATION STUDIES/ FEMALE/ GLUCURONIDASE/ HUMAN/ MALE/ METHODS/ MICROCHEMISTRY/ PLACENTA, enzymology/ PREGNANCY/ SEX FACTORS/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood/ TESTOSTERONE, isolation & purification/ TESTOSTERONE, urine/ TRITIUM

1715. **Horn Y, Horn H, Gordan GS:** [Androgens in treatment of metastatic breast cancer]
Harefuah 83:584-5, 15 Dec 72 (Heb)
*BREAST NEOPLASMS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHANE, therapeutic use/ *METHYLTESTOSTERONE, therapeutic use/ NEOPLASM METASTASIS/ REMISSION/ *TESTOSTERONE, therapeutic use

1716. **Hornych A, Meyer P, Milliez P:** Angiotensin, vasopressin, and cyclic AMP: effects on sodium and water fluxes in rat colon.
Am J Physiol 224:1223-9, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENALECTOMY/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *COLON, metabolism/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ *INTESTINAL MUCOSA, drug effects/ MALE/ NEPHRECTOMY/ OUABAIN, pharmacodynamics/ RATS/ *SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ VASOPRESSIN, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE

1717. **Horowitz JM, Erskine LK:** Central regulation of temperature in cold environments. 1. A dynamic model with two temperature inputs.
Comput Biomed Res 6:57-73, Feb 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ COLD/ ENVIRONMENTAL EXPOSURE/ FEVER/ FEVER, chemically induced/ GUINEA PIGS/ HEAT/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, physiopathology/ INTERNEURONS, physiology/ *MODELS, BIOLOGICAL/ NEURONS, EFFERENT/ PYROGENS/ RABBITS/ RATS/ *RECEPTORS, NEURAL/ SHIVERING/ SKIN TEMPERATURE/ *TEMPERATURE SENSE/ THERMORECEPTORS

1718. **Horrell E, Kilpatrick R, Major PW:** A comparison of the effects of pituitary hormones and aminophylline on progestational hormone production by the rabbit ovary in vivo. J Endocrinol 55:205-6, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *GONADOTROPINS, PITUITARY, pharmacodynamics/ KETONES, biosynthesis/ KETONES, secretion/ LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ OVARY, secretion/ PREGNANES, biosynthesis/ PREGNANES, secretion/ *PROGESTATIONAL HORMONES, biosynthesis/ PROGESTERONE, biosynthesis/ PROGESTERONE, secretion/ PROLACTIN, pharmacodynamics/ RABBITS/ SECRETORY RATE, drug effects/ SHEEP

1719. **Horrell E, Major PW, Kilpatrick R, et al:** Progestational steroids during pseudopregnancy in the rabbit.
J Endocrinol 55:89-96, Oct 72
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, analysis/ FEMALE/ KETONES, analysis/ KETONES, secretion/ LH/ NIDATION/ OVARY, analysis/ OVARY, blood supply/ OVARY, secretion/ PREGNANES, analysis/ PREGNANES, secretion/ *PROGESTATIONAL HORMONES, secretion/ PROGESTERONE, analysis/ PROGESTERONE, secretion/ *PSEUDOPREGNANCY/ RABBITS/ REGIONAL BLOOD FLOW/ SECRETORY RATE

1720. **Horrobin DF:** Prevention of migraine by reducing prolactin levels. Lancet 1:777, 7 Apr 73
BROMINE, therapeutic use/ *ERGOT ALKALOIDS, therapeutic use/ HUMAN/ MIGRAINE, metabolism/ *MIGRAINE, prevention & control/ PROLACTIN, blood/ *PROLACTIN, secretion

1721. **Horrobin DF, Manku MS, Burstyn PG:** Saluretic action of aldosterone in the presence of excess cortisol: restoration of salt-retaining action by prolactin.
J Endocrinol 56:343-4, Feb 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ *NATRIURESIS, drug effects/ PHOTOMETRY/ POTASSIUM, urine/ *PROLACTIN, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL

1722. **Horský J, Stroufová A, Herzmann J, et al:** Některé hormonální parametry u anovulačního cyklu ženy.
Cesk Gynekol 38:155-6, Apr 73 (Cze)
ADULT/ CLOMIPHENE, pharmacodynamics/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ MENSTRUATION, drug effects/ *OVULATION, drug effects/ PROGESTERONE, secretion

1723. **Horst A:** Human genetics in Poland.
Hum Biol 45:5-21, Feb 73 (151 ref.)
ABO FACTORS/ ADOLESCENCE/ ADULT/ AMINO ACID METABOLISM, INBORN ERRORS, familial & genetic/ BLOOD COAGULATION DISORDERS, familial & genetic/ CHILD/ CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ GENE FREQUENCY/ *GENETICS, HUMAN/ GENETICS, POPULATION/ GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY, familial & genetic/ HEMOGLOBINOPATHIES, familial & genetic/ HEREDITARY DISEASES, familial & genetic/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ LIPID METABOLISM, INBORN ERRORS, familial & genetic/ MALE/ MONGOLISM, familial & genetic/ MOSAICISM/ PHENOTYPE/ POLAND/ PORPHYRIA, familial & genetic/ REVIEW/ RH FACTORS/ SEX CHROMATIN/ SEX DIFFERENTIATION DISORDERS, familial & genetic/ TRISOMY

1724. **Horster FA, Wildmeister W:** Zur Therapie der blander Struma mit synthetischen Schilddrüsenhormonen
Dtsch Med Wochenschr 98:525-8, 16 Mar 73 (Ger)
DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, drug therapy/ GOITER, etiology/ HUMAN/ MALE/ RECURRENCE/ THYROID GLAND, metabolism/ THYROXINE, administration & dosage/ THYROXINE, biosyntbesis/ *THYROXINE, therapeutic use/ TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, biosynthesis/ *TRIIODOTHYRONINE, therapeutic use

1725. **Hörtnagl H, Winkler H, Lochs H:** Immunological studies on a membrane protein (chromomembrin B) of catecholamine-storing vesicles.
J Neurochem 20:977-85, Apr 73
ADRENAL MEDULLA, analysis/ ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *CATECHOLAMINES, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMAFFIN SYSTEM, enzymology/ *CHROMAFFIN SYSTEM, immunology/ CHROMOGRANINS, analysis/ COMPLEMENT FIXATION TESTS/ DOPAMINE BETA HYDROXYLASE, analysis/ GEL DIFFUSION TESTS/ IMMUNE SERUMS/ INJECTIONS, INTRAMUSCULAR/ MEMBRANES, analysis/ NERVE TISSUE, analysis/ *NERVE TISSUE PROTEINS, analysis/ RABBITS, immunology/ RATS/ SPLEEN, innervation/ SUBCELLULAR FRACTIONS, analysis

1726. **Horton JN:** Adverse reaction to Altbesin.
Anaesthesia 28:182-3, Mar 73
*ANESTHETICS, adverse effects/ CASE REPORT/ ERYTHEMA, chemically induced/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPOTENSION, chemically induced/ HYPOTENSION, drug therapy/ KETONES, adverse effects/ MIDDLE AGE/ *PREGNANES, adverse effects

1727. **Horvat NM, Horvat BL, Milković K, et al:** Influence of high level of endogenous Glucocorticoids on th

bistology of fetal rat thyroid.
Endokrinologie 61:132-9, 1973
ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ FEMALE/ *GLUCOCORTICOIDS, physiology/ HORMONES, ECTOPIC/ HYPERPLASIA/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, physiopathology/ NEOPLASMS, RADIATION-INDUCED, physiopathology/ PITUITARY NEOPLASMS, physiopathology/ RATS/ THYROID DISEASES, embryology/ *THYROID GLAND, embryology/ THYROID GLAND, pathology/ THYROIDECTOMY/ THYROTROPIN, secretion/ THYROXINE, biosyntbesis/ TRIIODOTHYRONINE, biosyntbesis

728. **Horwitt MK, Harvey CC, Dahm CH Jr, et al:** Relationship between tocopherol and serum lipid levels for determination of nutritional adequacy.
Ann NY Acad Sci 203:223-36, 18 Dec 72
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL, blood/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ *LIPIDS, blood/ MALE/ NUTRITION/ PHOSPHOLIPIDS, blood/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, blood/ RATS/ TRIGLYCERIDES, blood/ *TRIIODOTHYRONINE, pharmacodynamics/ VITAMIN A, blood/ *VITAMIN E/ VITAMIN E, blood/ VITAMIN E, therapeutic use/ VITAMIN E DEFICIENCY, blood/ VITAMIN E DEFICIENCY, drug therapy

729. **Hotz J, Minne H, Ziegler R:** Tbe influences of acute hyper- and hypocalcemia and of calcitonin on exocrine pancreatic function in man.
Res Exp Med (Berl) 160:152-65, 1973
ACUTE DISEASE/ ADULT/ AMYLASE, secretion/ BICARBONATES, secretion/ CHOLECYSTOKININ/ FEMALE/ HUMAN/ *HYPERCALCEMIA, physiopathology/ *HYPOCALCEMIA, physiopathology/ MALE/ MIDDLE AGE/ PANCREAS, drug effects/ *PANCREAS, physiopathology/ PANCREAS, secretion/ PANCREOZYMIN/ SECRETIN/ *THYROCALCITONIN, pharmacodynamics/ TRYPSIN, secretion

730. **Houssay AB, Barcelo AN:** Effects of testosterone upon the biosyntbesis of melatonin by tbe pineal gland.
Acta Physiol Lat Am 22:274-5, 1972
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ MALE/ *MELATONIN, biosyntbesis/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ *PINEAL BODY, metabolism/ RATS/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pbarmacodynamics

731. **(Houstoun R), Mackinlay CJ:** Wbo is Houstoun? A biography of Robert Houstoun M.D., F.R.S. 1678-1734.
J Obstet Gynaecol Br Commonw 80:193-200, Mar 73
FEMALE/ *GYNECOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HUMAN/ *OVARIAN CYSTS, history/ OVARIAN CYSTS, surgery/ SCOTLAND

732. **Howland BE, Skinner KR:** Effect of bemiovariectomy on serum FSH and LH levels during the oestrous cycle in tbe rat.
J Reprod Fertil 32:501-3, Mar 73
ANIMAL EXPERIMENTS/ *CASTRATION/ *ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ RADIOIMMUNOASSAY/ RATS/ VAGINAL SMEARS

733. **Howland BE, Skinner KR:** Effect of starvation on LH levels in male and female bamsters.
J Reprod Fertil 32:505-7, Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORPUS LUTEUM/ ESTRUS/ FEMALE/ HAMSTERS/ LH, analysis/ *LH, blood/ MALE/ ORGAN WEIGHT/ OVARY, physiology/ PITUITARY GLAND, analysis/ PITUITARY GLAND, physiology/ *STARVATION, blood/ UTERUS, physiology

1734. **Hoyer JR, Michael AF, Vernier RL:** Renal disease in nail-patella syndrome: clinical and morphologic studies.
Kidney Int 2:231-8, Oct 72
ADULT/ BASEMENT MEMBRANE, pathology/ BIOPSY/ BONE AND BONES, abnormalities/ CHILD/ CONNECTIVE TISSUE, metabolism/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ INFANT, NEWBORN/ KIDNEY DISEASES, etiology/ *KIDNEY GLOMERULUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ NAIL-PATELLA SYNDROME, complications/ NAIL-PATELLA SYNDROME, diagnosis/ NAIL-PATELLA SYNDROME, etiology/ *NAIL-PATELLA SYNDROME, patbology

1735. **Hoyt RF Jr, Hamilton DW, Tashjian AH Jr:** Distribution of tbyroid, parathyroid, and ultimobranchial bypocalcemic factors in birds. II. Morphology, histocbemistry, and bypocalcemic activity of pigeon thyroid glands.
Anat Rec 176:1-33, May 73
ACETYLCHOLINESTERASE, metabolism/ AMINES, metabolism/ ANIMAL EXPERIMENTS/ CHOLINESTERASE, metabolism/ CONNECTIVE TISSUE CELLS/ CYTOCHROME OXIDASE, metabolism/ CYTOPLASMIC GRANULES/ EPITHELIUM/ ESTERASES, metabolism/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HISTOCYTOCHEMISTRY/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PIGEONS/ *THYROCALCITONIN, analysis/ *THYROID GLAND, analysis/ THYROID GLAND, cytology/ THYROID GLAND, enzymology

1736. **Hoyt WF, Meshel LG, Lessell S, et al:** Malignant optic glioma of adultbood.
Brain 96:121-32, 1973
ADULT/ AGE FACTORS/ BRAIN, patbology/ *BRAIN NEOPLASMS/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, mortality/ BRAIN NEOPLASMS, patbology/ BRAIN NEOPLASMS, radiotherapy/ BRAIN NEOPLASMS, surgery/ *EYE NEOPLASMS/ EYE NEOPLASMS, diagnosis/ EYE NEOPLASMS, mortality/ EYE NEOPLASMS, pathology/ EYE NEOPLASMS, radiotherapy/ EYE NEOPLASMS, surgery/ *GLIOMA/ GLIOMA, diagnosis/ GLIOMA, mortality/ GLIOMA, pathology/ GLIOMA, radiotherapy/ GLIOMA, surgery/ HUMAN/ HYPOTHALAMUS, pathology/ MALE/ MIDDLE AGE/ OPTIC CHIASM, patbology/ *OPTIC NERVE/ OPTIC NERVE, pathology/ THALAMIC NUCLEI, pathology

1737. **Hradec E:** Surgical treatment of hyperadrenocorticism (Cushing's syndrome).
J Urol 109:533-7, Apr 73
ADENOMA, complications/ ADOLESCENCE/ ADRENAL GLAND DISEASES, surgery/ ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLANDS, surgery/ ADRENALECTOMY/ ADULT/ CARCINOMA, complications/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, radiography/ *CUSHING'S SYNDROME, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, tberapeutic use/ HYPERPLASIA, surgery/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY GLAND IRRADIATION/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PREGNANETRIOL, tberapeutic use

1738. **Hreniuc R:** Tratamentul fistulei gangliobronsice pe cale bronhoscopică.
Ftizioiogia 22:177-84, Mar-Apr 73 (Rum)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTITUBERCULAR AGENTS, administration & dosage/ BRONCHIAL FISTULA, etiology/ BRONCHIAL FISTULA, surgery/ *BRONCHIAL FISTULA, therapy/ *BRONCHOSCOPY/ DRAINAGE/ ENGLISH ABSTRACT/ HUMAN/ TUBERCULOSIS, PULMONARY, complications/ *TUBERCULOSIS, PULMONARY, tberapy

1739. **Hsu JM:** Effects of maternal dietary restriction on

hydroxyproline levels in urine and tissues of the young. Proc Soc Exp Biol Med 143:171-5, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BRAIN, analysis/ CARBON ISOTOPES/ *DIET/ FEMALE/ GESTATIONAL AGE/ *GROWTH/ *HYDROXYPROLINE, urine/ KIDNEY, analysis/ LACTATION/ LIVER, analysis/ MALE/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PANCREAS, analysis/ PREGNANCY/ RATS/ SPLEEN, analysis

1740. **Hubert C, Hartmann M, Strauch G, et al:** Dosage de l'bormone chorionique somatomammotrophique (ou hormone lactogène placentaire) dans le plasma des femmes enceintes. Son intérêt en cas d'bypotropbies foeto-placentaires.
J Gynecol Obstet Biol Reprod (Paris) 1:843-53, Dec 72 (Fre)
ADSORPTION/ ADULT/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ FETUS, growth & development/ HUMAN/ IMMUNOELECTROPHORESIS/ PLACENTA, growth & development/ *PLACENTA DISORDERS, diagnosis/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANEDIOL, urine/ PROGNOSIS/ RABBITS, immunology/ RADIOIMMUNOASSAY

1741. **Hubert KE:** Beobachtungen über die Variabilität der Ovarform und -länge einer Population von Ditlenycbus dipsaci (Kübn 1857) Filipjev 1936.
Zentralbl Bakteriol [Naturwiss] 127:521-4, 1972 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ *NEMATODA, anatomy & histology/ *OVARY, anatomy & histology/ TESTIS, anatomy & histology

1742. **Hübner H, Dzida J, Jeske J:** Interphasal Y chromatin.
Bull Acad Pol Sci [Biol] 21:203-7, 1973
CHEEK/ HUMAN/ LEUKOCYTES/ LYMPHOCYTES/ MALE/ MOUTH MUCOSA/ QUINACRINE/ ROSANILINE DYES/ *SEX CHROMATIN/ STAINS AND STAINING

1743. **Huch FL:** Zentralvenenthrombose und Ovulationshemmer.
Dtsch Med Wocbenschr 98:744, 6 Apr 73 (Ger)
ASPIRIN, tberapeutic use/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ *RETINAL VEIN/ *THROMBOPHLEBITIS, cbemically induced/ THROMBOPHLEBITIS, drug tberapy

1744. **Hudcovič A:** Diagnostické bodnotenie pacientiek s intersexualitou. Cesk Gynekol 38:163-4, Apr 73 (Slo)
ADULT/ AGE FACTORS/ CYTOGENETICS/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ SEX CHROMOSOMES, analysis/ *SEX DIFFERENTIATION DISORDERS, diagnosis/ TRANSSEXUALISM, diagnosis

1745. **Hudson CN:** Cancer of the ovary.
Nurs Mirror 136:19-20, 6 Apr 73
OVARIAN NEOPLASMS/ SPECIAL LIST NURSING

1746. **Huebner E, Davey KG:** An antigonadotropin from tbe ovaries of the insect Rbodnius prolixus Stål.
Can J Zool 51:113-20, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, antagonists & inhibitors/ NEUROSECRETION/ *OVARY, pbysiology/ OVARY, transplantation/ OVUM, growtb & development/ *TRIATOMINAE, physiology

1747. **Hughes DW:** Bone-marrow depression in childhood.
Med J Aust 1:357-9, 17 Feb 73
ANDROGENS, tberapeutic use/ *ANEMIA, APLASTIC/ ANEMIA, APLASTIC, cbemically induced/ ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, drug tberapy/ ANEMIA, APLASTIC, etiology/ ANEMIA, APLASTIC, familial & genetic/ ANEMIA, APLASTIC, mortality/ ANEMIA, APLASTIC, tberapy/ CHILD/ CHLORAMPHENICOL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ ERYTHROCYTES, ABNORMAL/ ERYTHROPOIESIS/ HUMAN/ LEUKEMIA

1748. **Hugonnier R, Didierlaurent A, Trepsat C:** A propos d'u cas de cataracte diabétique cbez l'enfant.
Bull Soc Ophtalmol Fr 12:503-5, Apr 72 (Fre
ADOLESCENCE/ CASE REPORT/ CATARACT, etiology/ CATARACT, surgery/ *DIABETES INSIPIDUS, complications/ *DIABETES MELLITUS, JUVENILE, complications/ FEMALE/ HUMAN/ SEX FACTORS

1749. **Huhtaniemi I, Vihko R:** Identification and measurement of sulphate-conjugated neutral steroid in the intestinal contents of early and mid-ter foetuses. J Endocrinol 57:143-58, Apr 73
ANDROSTANES, analysis/ ANDROSTENES, analysis/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, analysis/ *FETUS/ GESTATIONAL AGE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, analysis/ *INTESTINES, analysis/ MASS SPECTRUM ANALYSIS/ MECONIUM, analysis/ PREGNADIENES, analysis/ PREGNANES, analysis/ PREGNANETRIOL, analysis/ PREGNENOLONE, analysis/ *STEROIDS, analysis/ STEROLS, analysis/ SULFATES, analysis

1750. **Hulan HW, Betz TW:** Effects of metopirone duodenal differentiation and yolk sac retraction chick embryos. Experientia 29:193-4, 15 Feb
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CHICK EMBRYO/ DUODENUM analysis/ DUODENUM, drug effects/ *DUODENUM, embryology/ DUODENUM, enzymology/ *METYRAPONE, pharmacodynamics/ MORPHOGENESIS, drug effects/ ORGAN WEIGHT/ PROTEINS, analysis/ *VITELLINE MEMBRANE, drug effects/ WATER, analysis

1751. **Humphrey RR, Dermody WC, Brink HO, et al:** Inducti of luteinizing hormone (LH) release and ovulation rats, hamsters, and rabbits by synthetic luteiniz bormone-releasing factor (LRF).
Endocrinology 92:1515-26, May 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CHLORPROMAZINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ FEMALE/ HAMSTERS/ INJECTIONS, INTRA-ARTERIAL/ IODINE ISOTOPES/ LH, blood/ *LH, metabolism/ OVARY, drug effects/ *OVULATION, drug effects/ PHENOBARBITAL, pharmacodynami PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ SPECIES SPECIFICITY/ TIME FACTORS

1752. **Hung W, August GP:** A "collagen-like" syndrc associated with antithyroid tberapy.
J Pediatr 82:852-4, May 73
ADOLESCENCE/ ANTINUCLEAR FACTORS, isolation & purification/ CHILD/ *COLLAGI DISEASES, chemically induced/ *DRUG HYPERSENSITIVITY, etiology/ FEMALE/ HUMAN/ *METHIMAZOLE, adverse effects/ *PROPYLTHIOURACIL, adverse effects/ THYROID DISEASES, tberapy

1753. **Hunt WA, Craig CR:** Alterations in cation levels Na-K ATPase activity in rat cerebral cortex du the development of cobalt-induced epilepsy.
J Neurocbem 20:559-67, Feb 73
*ADENOSINE TRIPHOSPHATASE, metaboli ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CEREBRAL CORTEX, analysis/ *CEREBRAL CORTEX, enzymology/ CEREBRAL CORTEX, metabolism/ *COBAL *CONVULSIONS, chemically induced/ CONVULSIONS, enzymology/ CONVULSION metabolism/ IN VITRO/ MAGNESIUM,

metabolism/ MALE/ OXYGEN CONSUMPTION/ PENTYLENETETRAZOLE, pharmacodynamics/ PHOSPHATES, analysis/ POTASSIUM/ POTASSIUM, metabolism/ RATS/ SODIUM/ SODIUM, metabolism/ TIME FACTORS/ WATER, analysis

754. **Hunter GL, Aarde IM van:** Influence of season of lambing on postpartum intervals to ovulation and oestrus in lactating and dry ewes at different nutritional levels. J Reprod Fertil 32:1-8, Jan 73
ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ *LACTATION/ *OVULATION/ REPRODUCTION/ *SEASONS/ SEX BEHAVIOR, ANIMAL/ *SHEEP, physiology/ TIME FACTORS

755. **Hunter H, Quaife R:** A 48,XYYY male: a somatic and psychiatric description. J Med Genet 10:80-3, Mar 73
ADULT/ ANEUPLOIDY/ DERMATOGLYPHICS/ HUMAN/ INTELLIGENCE/ KARYOTYPING/ MALE/ PERSONALITY/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX CHROMOSOMES

756. **Hurwitz RA:** Cardiac arrbythmias in infants and children. Curr Probl Pediatr 3:3-47, Apr 73 (69 ref.)
ADOLESCENCE/ *ARRHYTHMIA/ ARRHYTHMIA, drug therapy/ ARRHYTHMIA, SINUS/ AURICULAR FIBRILLATION/ AURICULAR FLUTTER/ BRADYCARDIA/ BUNDLE-BRANCH BLOCK/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ DIGITALIS GLYCOSIDES, adverse effects/ ELECTROCARDIOGRAPHY/ EXTRASYSTOLE/ FEMALE/ HEART BLOCK/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES/ MALE/ POTASSIUM, metabolism/ PROCAINE AMIDE, therapeutic use/ PROPRANOLOL, therapeutic use/ QUINIDINE, therapeutic use/ REVIEW/ TACHYCARDIA/ VENTRICULAR FIBRILLATION/ WATER-ELECTROLYTE BALANCE/ WOLFF-PARKINSON-WHITE SYNDROME

757. **Hussl B:** Der chronische sekretorische Mittelohrkatarrb im Kindesalter. 2.
Monatsschr Ohrenheilkd Laryngorhinol 107:141-64, Apr 73 (Ger)
AUDIOMETRY/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ *EXUDATES AND TRANSUDATES/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ *OTITIS MEDIA, diagnosis/ OTITIS MEDIA, drug therapy/ OTITIS MEDIA, physiopatbology/ OTITIS MEDIA, surgery

758. **Hutchins GM, Kutchemeshgi AD:** Renal glomerular enlargement in chronic passive congestion.
Johns Hopkins Med J 132:292-300, May 73
ACROMEGALY, complications/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ GLOMERULONEPHRITIS, complications/ HEART DEFECTS, CONGENITAL, complications/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ HYPERTROPHY/ INFANT/ INFANT, NEWBORN/ *KIDNEY DISEASES, etiology/ KIDNEY GLOMERULUS/ LIVER CIRRHOSIS, complications/ MIDDLE AGE

759. **Hutchinson RG, Bennett KR:** Partial gigantism and beart block. Case study of an 88 year old man.
Angiology 24:191, Mar 73
AGED/ ARM/ CASE REPORT/ ELECTROCARDIOGRAPHY/ GANGRENE, etiology/ *GIGANTISM, complications/ HAND/ *HEART BLOCK, complications/ HUMAN/ MALE

760. **Hutton I, Parratt JR, Lawrie TD:** Cardiovascular effects of prostaglandin E 1 in experimental myocardial infarction. Cardiovasc Res 7:149-55, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CARDIAC VOLUME, drug effects/ CATS/ *CORONARY CIRCULATION, drug effects/ FEMALE/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ LIGATION/ MALE/ MICROCIRCULATION, drug effects/ *MYOCARDIAL INFARCT, drug therapy/ MYOCARDIAL INFARCT, physiopathology/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ VASCULAR RESISTANCE, drug effects

1761. **Hyyppä MT, Cardinali DP, Wurtman RJ:** Sex-dependent increase in pineal hydroxyindole-O-methyl transferase activity after a single intraventricular injection of 6-bydroxydopamine to newborn rats.
Neuroendocrinology 11:274-83, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BRAIN, drug effects/ CASTRATION/ FEMALE/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MALE/ MELANIN, metabolism/ *METHYLTRANSFERASES, metabolism/ NOREPINEPHRINE, metabolism/ *PINEAL BODY, enzymology/ RATS/ RETINA, enzymology/ SEROTONIN, metabolism/ SEX FACTORS/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TESTOSTERONE, pharmacodynamics

I

1762. **Iarygin VN, Ionov BV:** Avtoradiograficheskoe issledovanie sinteza belka v perikarionakh i migratsii ego v aksony gipertrofirovannykh simpaticheskikb neĭronov.
Dokl Akad Nauk SSSR 208:1253-6, 11 Feb 73 (Rus)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *AXONS, metabolism/ *GANGLIA, AUTONOMIC, cytology/ GANGLIA, AUTONOMIC, drug effects/ LYSINE/ MICE/ *NERVE GROWTH FACTOR, pharmacodynamics/ NERVE TISSUE PROTEINS, biosynthesis/ *NERVE TISSUE PROTEINS, metabolism/ *NEURONS, drug effects/ NEURONS, metabolism/ TRITIUM

1763. **Ibler M:** Glucagon.
Anaesthesist 22:5-7, Jan 73 (Ger)
ACTION POTENTIALS, drug effects/ ADENYL CYCLASE, metabolism/ ARRHYTHMIA, drug therapy/ ENGLISH ABSTRACT/ GLUCAGON, analysis/ GLUCAGON, biosynthesis/ *GLUCAGON, pharmacodynamics/ *HEART, drug effects/ HEART CONDUCTION SYSTEM, drug effects/ HUMAN/ MEMBRANE POTENTIALS, drug effects/ VASCULAR RESISTANCE, drug effects

1764. **Ibrahim el-S A, Wahbi AM, Abdel Salam M:** Colorimetric determination of corticosteroids using ammonium molybdate. 1. Pharmazie 28:195-6, Mar 73
*ADRENAL CORTEX HORMONES, analysis/ AMMONIUM COMPOUNDS/ COLORIMETRY/ METHODS/ MOLECULAR CONFORMATION/ *MOLYBDENUM/ POWDERS, analysis/ REGRESSION ANALYSIS/ TABLETS, analysis

1765. **Ignarro LJ, Colombo C:** Enzyme release from guinea-pig polymorphonuclear leucocyte lysosomes inhibited in vitro by anti-inflammatory drugs.
Nature [New Biol] 239:155-7, 4 Oct 72
ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ CHLOROQUINE, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ FLUFENAMIC ACID, pharmacodynamics/ *GALACTOSIDASE, secretion/ *GLUCURONIDASE, secretion/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LEUKOCYTES, cytology/ *LEUKOCYTES, enzymology/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ METHOTREXATE, pharmacodynamics/ PHENYLBUTAZONE, pharmacodynamics/ *SULFATASES, secretion

1766. **Ignarro LJ, Krassikoff N, Siywka J:** Inhibition of lysosomal enzyme release hy adenosine 5' triphosphate and N 6 ,O 2 -dihutyryl cyclic 3',5'-adenosine monophosphate.
Life Sci [I] 11:317-22, 1 Apr 72
ACID PHOSPHATASE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ GALACTOSIDASE, antagonists & inhibitors/ GLUCURONIDASE, antagonists & inhibitors/ IN VITRO/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ MAGNESIUM, pharmacodynamics/ MITOCHONDRIA, LIVER, enzymology/ PAPAVERINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ SULFATASES, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics/ ZINC, pharmacodynamics

1767. **Iigaya K, Iino S:** [Experimental and clinical evaluation of hlood thyroxine determination using the Thyopac-4 kit] Clin Endocrinol (Tokyo) 21:203-9, Feh 73 (Jap)
EVALUATION STUDIES/ HUMAN/ METHODS/ *PROTEIN-BOUND IODINE TEST/ *THYROXINE, hlood

1768. **Iio A:** [Metaholic studies on radioiodinated IgG and alhumin. II. Characteristics of IgG and albumin metaholism in various diseases]
Acta Haematol Jap 35:193-204, Apr 72 (Jap)
AGAMMAGLOBULINEMIA, hlood/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, hlood/ ANEMIA, SPLENIC, hlood/ ANOREXIA NERVOSA, hlood/ BEHCET'S SYNDROME, hlood/ COLLAGEN DISEASES, hlood/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, hlood/ *IGG, metabolism/ IODINE ISOTOPES/ LIVER CIRRHOSIS, hlood/ NEPHROSIS, hlood/ PROTEIN-LOSING ENTEROPATHIES, hlood/ *SERUM ALBUMIN, metaholism/ SERUM ALBUMIN, RADIO-IODINATED

1769. **Ijaiya K, Tacke A:** Hyperthyreose im Kindesalter. II. Theraple.
Z Aerztl Forthild (Jena) 67:117-20, 1 Feh 73 (Ger)
CHILD/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ IODINE ISOTOPES, therapeutic use/ METHIMAZOLE, administration & dosage/ METHIMAZOLE, therapeutic use/ METHODS/ THYROID ANTAGONISTS, administration & dosage

1770. **Ijaiya K, Tacke A:** Hyperthyreose im Kindesalter. I. Atiologie, Pathogenese und klinische Diagnostik.
Z Aerztl Fortbild (Jena) 67:64-8, 15 Jan 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ ANTIBODIES, analysis/ BASAL METABOLISM/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, enzymology/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, familial & genetic/ HYPERTHYROIDISM, immunology/ HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, radiography/ INFANT/ INFANT, NEWBORN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MEDICAL HISTORY TAKING/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ REVIEW/ SEX FACTORS/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, hlood

1771. **Iju M, Shibata J, Saito T, et al:** [Case of malignant melanoma with gastrointestinal hemorrhage as a main symptom] Jap J Gastroenterol 70:36-41, Jan 73 (Jap)
ADRENAL GLAND NEOPLASMS, pathology/ AUTOPSY/ BRAIN NEOPLASMS, pathology/ DUODENAL NEOPLASMS, pathology/ *HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ *INTESTINAL NEOPLASMS, complications/ INTESTINAL NEOPLASMS, pathology/ *JEJUNUM/ JEJUNUM, pathology/ MALE/ *MELANOMA, complications/ MIDDLE AGE/ NEOPLASM METASTASIS

1772. **Il'in IM, Es'kov IuA:** O giperparatireoidnoi osteodistrofii. Klin Khir 9:60-2, Sep 72 (Rus)
ADULT/ *BONE NEOPLASMS, diagnosis/ CASE REPORT/ DIAGNOSTIC ERRORS/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ *MULTIPLE MYELOMA, diagnosis

1773. **Illig R:** Hypophysärer Minderwuchs.
Dtsch Med Wochenschr 98:744-5, 6 Apr 73 (Ger)
AGE FACTORS/ DWARFISM, PITUITARY, diagnosis/ *DWARFISM, PITUITARY, drug therapy/ HORMONES, therapeutic use/ HUMAN/ INFANT/ PROGNOSIS

1774. **Imai K:** Effects of avian and mammalian pituitary preparations on induction of ovulation in the domestic fowl, Gallus domesticus.
J Reprod Fertil 33:91-8, Apr 73
ANIMAL EXPERIMENTS/ CATTLE/ *CHICKENS, physiology/ FEMALE/ FSH, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LH, pharmacodynamics/ *OVULATION, drug effects/ *PITUITARY GLAND/ TISSUE EXTRACTS, administration & dosage/ *TISSUE EXTRACTS, pharmacodynamics

1775. **Inagami T:** Simultaneous identification of PTH derivatives of histidine and arginine by thin-laye chromatography. Anal Biochem 52:318-21, Mar 7
AMINO ACID SEQUENCE/ *ARGININE, analysis/ CHROMATOGRAPHY, THIN LAYER/ EGG WHITE/ *HISTIDINE, analysis/ *HYDANTOINS, analysis/ METHODS/ MURAMIDASE, analysis/ THIOHYDANTOINS, analysis/ THIOHYDANTOINS, isolation & purification

1776. **Ingalls WG, Convey EM, Hafs HD:** Bovine serum LH GH, and prolactin during late pregnancy, parturitio and early lactation.
Proc Soc Exp Biol Med 143:161-4, May 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CATTLE/ ESTRUS/ FEMALE/ *LABOR/ *LACTATION/ *LH, hlood/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, hlood/ PUERPERIUM/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, hlood

1777. **(Inglis J), Wilson GM:** Early photography, goitre, ar James Inglis. Br Med J 2:104-5, 14 Apr 73
ENGLAND/ FEMALE/ *GOITER, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ *PHOTOGRAPHY, history/ SCOTLAND

1778. **Inkovaara J, Hanhijärvi H, Iisalo E, et al:** Fluoride a osteoporosis. Br Med J 1:613, 10 Mar 73
AGED/ CREATININE, hlood/ FLUORIDES, administration & dosage/ *FLUORIDES, adverse effects/ FLUORIDES, hlood/ FRACTURES, SPONTANEOUS, chemically induced/ HUMAN/ KIDNEY FUNCTION TESTS/ *OSTEOPOROSIS, drug therapy

1779. **Innami S, Yang MG, Mickelsen O, et al:** The influence high-fat diets on estrous cycles, sperm production a fertility of rats.
Proc Soc Exp Biol Med 143:63-8, May 73
ANIMAL EXPERIMENTS/ *DIETARY FATS/ *ESTRUS/ FEMALE/ *FERTILITY/ GRAIN/ MALE/ RATS/ RATS, INBRED STRAINS/ RESPIRATORY TRACT INFECTIONS, mortality/ *SPERMATOGENESIS/ VAGINAL SMEARS

1780. **Inouye T, Brewer JI:** Regain of biological activity gonadotropin from choriocarcinoma.
Am J Obstet Gynecol 115:186-92, 15 Jan 73
ANIMAL EXPERIMENTS/ BIOLOGICAL

ASSAY/ *CHORIOCARCINOMA/ CHORIOCARCINOMA, urine/ CHROMATOGRAPHY, DEAE-CELLULOSE/ EDTA/ FEMALE/ GLUTATHIONE/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, isolation & purification/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MICE/ NEURAMINIC ACIDS, analysis/ PREGNANCY/ SODIUM DODECYL SULFATE

1781. **Insler V, Zakut H, Serr DM:** Cycle pattern and pregnancy rate following combined clomiphene-estrogen therapy.
Obstet Gynecol 41:602-7, Apr 73
ADULT/ CELL MOVEMENT, drug effects/ CERVIX MUCUS, drug effects/ *CLOMIPHENE, administration & dosage/ CLOMIPHENE, therapeutic use/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ FERTILIZATION, drug effects/ HUMAN/ MENSTRUATION, drug effects/ OVULATION, drug effects/ PERIODICITY/ PREGNANCY/ SPERMATOZOA/ *STERILITY, FEMALE, drug therapy

1782. **Irusta O, Wasserman GF:** FSH action on the -aminoisobutyric acid transport in the prepuberal rat testes. Acta Physiol Lat Am 22:276-8, 1972
*AMINOISOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *FSH, pharmacodynamics/ LH, pharmacodynamics/ MALE/ PUBERTY/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism

1783. **Irvine RE:** When postural hypotension signals disease.
Geriatrics 28:94-9, Apr 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, adverse effects/ AGED/ ANTIDEPRESSIVE AGENTS, adverse effects/ BLOOD VOLUME/ *BRAIN DISEASES, complications/ CARDIAC OUTPUT/ *CARDIOVASCULAR DISEASES, complications/ DIURETICS, adverse effects/ DOPA, adverse effects/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ HYPOTENSION, ORTHOSTATIC, chemically induced/ HYPOTENSION, ORTHOSTATIC, diagnosis/ *HYPOTENSION, ORTHOSTATIC, etiology/ HYPOTENSION, ORTHOSTATIC, therapy/ *PERIPHERAL NERVE DISEASES, complications/ SODIUM, metabolism/ SODIUM CHLORIDE, therapeutic use/ *SPINAL CORD DISEASES, complications/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TRANQUILIZING AGENTS, adverse effects

1784. **Isaacson RL, Gage FH 3d:** Hypothalamic stimulation and the persistence of epileptiform discharges.
Brain Res 49:194-9, 15 Jan 73
ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, physiopathology/ DISEASE MODELS, ANIMAL/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, chemically induced/ *EPILEPSY, physiopathology/ *HYPOTHALAMUS, physiopathology/ MALE/ PENICILLIN G/ RATS

1785. **Ishiguro T, Nishimura T:** Radioimmunoassay of maternal serum -fetoprotein associated with pregnancy. Am J Obstet Gynecol 116:27-33, 1 May 73
ADULT/ ALBUMINURIA, blood/ *ALPHA GLOBULIN, analysis/ CHORIOCARCINOMA, blood/ FEMALE/ *FETAL GLOBULINS, analysis/ GESTATIONAL AGE/ HUMAN/ IODINE ISOTOPES/ LABOR/ LIVER NEOPLASMS, blood/ METHODS/ *PREGNANCY/ PUERPERIUM/ RADIOIMMUNOASSAY

1786. **Ishizaki T, Kawakami Y:** Uber die Wirkung von Broncasma Berna auf das Bronchialasthma. Eine Doppelblindstudie.
Schweiz Med Wochenschr 103:455-9, 24 Mar 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ AGED/ ASTHMA, drug therapy/ *ASTHMA, therapy/ *BACTERIAL VACCINES/ BACTERIAL VACCINES, administration & dosage/ BRONCHITIS, drug therapy/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PLACEBOS/ PULMONARY EMPHYSEMA, drug therapy/ RHINITIS, drug therapy/ *VACCINE THERAPY

1787. **Isler W:** [Obstruction of intracranial arteries in childhood] Neuropaediatrie 4:3-6, Jan 73 (Mul)
AGE FACTORS/ ANTIBIOTICS, therapeutic use/ ANTICOAGULANTS, therapeutic use/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIOSCLEROSIS, complications/ *CEREBRAL ARTERY DISEASES/ CEREBRAL ARTERY DISEASES, diagnosis/ CEREBRAL ARTERY DISEASES, drug therapy/ CEREBRAL ARTERY DISEASES, etiology/ *CEREBRAL EMBOLISM AND THROMBOSIS/ CEREBRAL EMBOLISM AND THROMBOSIS, diagnosis/ CEREBRAL EMBOLISM AND THROMBOSIS, drug therapy/ CEREBRAL EMBOLISM AND THROMBOSIS, etiology/ CEREBROVASCULAR CIRCULATION/ CHILD/ COLLATERAL CIRCULATION/ GLUCOCORTICOIDS, therapeutic use/ HUMAN

1788. **Israel HL, Fouts DW, Beggs RA:** A controlled trial of prednisone treatment of sarcoidosis.
Am Rev Respir Dis 107:609-14, Apr 73
ADULT/ CLINICAL RESEARCH/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LUNG DISEASES, drug therapy/ LYMPH NODES/ LYMPHATIC DISEASES, drug therapy/ MALE/ MEDIASTINAL DISEASES, drug therapy/ *PREDNISONE, therapeutic use/ PROGNOSIS/ *SARCOIDOSIS, drug therapy/ TIME FACTORS

1789. **Istin M, Masoni A:** Absorption et redistrubution du calcium dans le manteau des lamelibranches en relation avec la structure.
Calcif Tissue Res 11:151-62, 19 Feb 73 (Fre)
ABSORPTION/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBONIC ANHYDRASE/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, cytology/ FRESH WATER/ HEMOLYMPH/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *MUSCLES, metabolism/ MUSSELS, cytology

1790. **Itami Y, Inoue T:** [Symposium: development of diseases in the aged. 6. From the standpoint of orthopedic surgery--with special reference to spinal osteoporosis and spondylosis deformans]
Jap J Geriatr 9:239-43, Jul 72 (Jap)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, radiography/ *SPINAL DISEASES, radiography/ *SPINAL OSTEOPHYTOSIS, radiography

1791. **Ito H, Katayama T, Takagishi H, et al:** Contraction of seminal vesicle and prostagiandin E1.
Prostaglandins 1:327-30, Apr 72
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ HUMAN/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ SEMINAL VESICLES, drug effects/ SPECIAL LIST REPRODUCTION

1792. **Itokawa Y, Abe T, Tanaka S:** Bone changes in experimental chronic cadmium poisoning: radiological and biological approaches.
Arch Environ Health 26:241-4, May 73

ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE DISEASES, chemically induced/ BONE DISEASES, radiography/ CADMIUM, analysis/ *CADMIUM, poisoning/ CALCIUM, analysis/ CALCIUM, DIETARY/ DIET/ FEMUR, radiography/ HYPOCALCEMIA, complications/ MAGNESIUM, analysis/ MALE/ MUSCLES, analysis/ PROTEIN DEFICIENCY, complications/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SPINAL DISEASES, chemically induced/ SPINAL DISEASES, radiography/ ZINC, analysis

1793. **Iunda IF, Peleshchuk AP, Imshinetskaia LP:** Znskretsiia al'dosterona pri glomerulonefrite.
Vrach Delo 10:96-100, Oct 72 **(Rus)**
ACUTE DISEASE/ *ALDOSTERONE, urine/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, urine/ HUMAN/ NEPHROTIC SYNDROME, etiology/ *NEPHROTIC SYNDROME, urine

1794. **Iurukova Ts, Somova L:** Vurkhu lipidnite tsitoplazmeni vkliuchvania v interstitsialnite kletki na bubrechnata medula. 1. Prouchvane kolichestvoto na lipidnite vkliuchvaniia pri eksperimentalna nevrogenna khipertoniia.
Eksp Med Morfol 11:173-82, 1972 **(Bul)**
ANIMAL EXPERIMENTS/ BLOOD PRESSURE DETERMINATION/ CAROTID BODY, surgery/ *CELLULAR INCLUSIONS, analysis/ *CYTOPLASM, analysis/ ENGLISH ABSTRACT/ FEMALE/ HISTOLOGICAL TECHNICS/ HYPERTENSION, RENAL, chemically induced/ *HYPERTENSION, RENAL, pathology/ INJECTIONS, INTRAPERITONEAL/ *KIDNEY, pathology/ LARYNGEAL NERVES, surgery/ *LIPIDS, analysis/ MALE/ MICROSCOPY, ELECTRON/ PROSTAGLANDINS, pharmacodynamics/ RATS

1795. **Ivanov B, Léonard A, Deknudt G:** Chromosome rearrangements induced in the mouse by embryonic x-irradiation. II. Irradiation of male foetuses at the 13.5th day of gestation. Mutat Res 18:89-92, Apr 73
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ FEMALE/ *FETUS, radiation effects/ GESTATIONAL AGE/ MALE/ MICE/ PREGNANCY/ *RADIATION GENETICS/ SPERMATOZOA, cytology/ TESTIS, embryology/ *TESTIS, radiation effects

1796. **Ivanova EA:** Androgenic activity of the adrenals in guinea pig embryos. Sov J Dev Biol 3:246-8, May-Jun 72
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, transplantation/ *ANDROGENS, metabolism/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOLOGICAL ASSAY/ CASTRATION/ EPITHELIUM, drug effects/ FEMALE/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ MALE/ ORGAN WEIGHT/ RATS/ SEMINAL VESICLES, anatomy & histology/ SEMINAL VESICLES, drug effects/ TESTIS, physiology/ TRANSPLANTATION, HETEROLOGOUS

1797. **Iványi P, Gregorová S, Micková M, et al:** Genetic association between a histocompatibility gene (H-2) and androgen metabolism in mice.
Transplant Proc 5:189-91, Mar 73
*ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ GLOBULINS/ *HISTOCOMPATIBILITY ANTIGENS/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ PROTEIN BINDING/ RECOMBINATION, GENETIC/ TESTIS, drug effects

1798. **Ivashkevich EI, Evnina II, Iakobson GS:** Funktsional'noe sostoianie kory nadpochechnikov pri vrozhdennykh prookakh serdtsa bolshogo tipa.
Vrach Delo 11:7-11, Nov 72 **(Rus)**
ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ DUCTUS ARTERIOSUS, PATENT, metabolism/ *DUCTUS ARTERIOSUS, PATENT, physiopathology/ ENGLISH ABSTRACT/ HEART SEPTAL DEFECTS, metabolism/ *HEART SEPTAL DEFECTS, physiopathology/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, metabolism *17-HYDROXYCORTICOSTEROIDS, urine

1799. **Ivens U:** Zur Morphologie und Funktion der Append Testis. Andrologie 4:245-58, 1972 **(Ge**
ANIMAL EXPERIMENTS/ AUTOPSY/ CASTRATION/ DEXTRAN, metabolism/ DYE metabolism/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ HUMAN/ IRON, metabolism/ LYMPHATIC SYSTEM, cytology MALE/ MICROSCOPY, ELECTRON/ *MULLERIAN DUCTS/ MULLERIAN DUCTS, anatomy & histology/ MULLERIAN DUCTS, cytology/ MULLERIAN DUCTS, metabolism/ MULLERIAN DUCTS, physiology/ MUSCLE, SMOOTH, cytology/ RABBITS/ SPERMATIC CORD, metabolism/ TESTIS, metabolism

1800. **Iwasaki H:** [Antidiuretic hormone and oxytoc Clin Endocrinol (Tokyo) 21:143-6, Feb 73 (27 r **(J**
ANIMAL EXPERIMENTS/ FETUS/ NEUROSECRETORY SYSTEMS, physiology/ OXYTOCIN, blood/ OXYTOCIN, physiology/ *OXYTOCIN, secretion/ PITUITARY GLAND embryology/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PITUITARY HORMONES, POSTERIOR, physiology/ RATS/ REVIEW/ VASOPRESSIN physiology/ *VASOPRESSIN, secretion

1801. **Iwaszkiewicz J:** Zespół Rokitansky'ego-Küstera-Hausera z obustronną przepukliną wargową zawierającą nowotwor zmienione jajniki.
Pol Tyg Lek 28:412-4, 12 Mar 73 **(P**
AGED/ *CARCINOMA, complications/ ENGLISH ABSTRACT/ FEMALE/ HERNIA, complications/ HUMAN/ LABIAL FRENUM/ *OVARIAN NEOPLASMS, complications/ *UTERUS, abnormalities

1802. **Iyengar L:** Chemical composition of placenta pregnancies with small-for-date infants.
Am J Obstet Gynecol 116:66-70, 1 May 73
ALKALINE PHOSPHATASE, analysis/ *BIR WEIGHT/ DNA, analysis/ FEMALE/ GLYCOGEN, analysis/ GLYCOGEN, metabolism/ HUMAN/ NITROGEN, analysis/ ORGAN WEIGHT/ *PLACENTA, analysis/ PLACENTA, enzymology/ PLACENTA, metabolism/ RNA, analysis

1803. **Izumi K, Donaldson J, Minnich J, et al:** Ouabain-indu seizures in rats: relationship to brain monoami
Can J Biochem 51:198-203, Feb 73
*AMINES, analysis/ ANIMAL EXPERIMENT BEHAVIOR, ANIMAL, drug effects/ *BRAI metabolism/ *CONVULSIONS, chemically induced/ *DOPAMINE, metabolism/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MESENCEPHALON, metabolism/ MOTOR ACTIVITY, drug effects/ *NOREPINEPHRI metabolism/ *OUABAIN/ OUABAIN, administration & dosage/ OUABAIN, pharmacodynamics/ POSTURE/ RATS/ *SEROTONIN, metabolism

J

1804. **Jackson H:** Chemical methods of male contracep
Am Sci 61:188-93, Mar-Apr 73
ANIMAL EXPERIMENTS/ *CONTRACEPTI AGENTS, pharmacodynamics/ EPIDIDYMIS, drug effects/ GONADOTROPINS, PITUITAR secretion/ HUMAN/ MALE/ PITUITARY GLAND, drug effects/ RATS/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects

1805. **Jackson IM, Tendler DS:** Osobennosti deĭstviia ikh tireoidnykh gormonov u sobak.
Probl Endokrinol (Mosk) 19:73-6, Jan-Feb 73 (
ANIMAL EXPERIMENTS/ BLOOD PROTEI

BODY WEIGHT, drug effects/ DOGS/ ENGLISH ABSTRACT/ 17-HYDROXYCORTICOSTEROIDS, urine/ IODINE, blood/ MALE/ OXYGEN CONSUMPTION, drug effects/ PROTEIN BINDING, drug effects/ *THYROID HORMONES, administration & dosage/ THYROID HORMONES, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

1806. **Jackson MC:** Medical profession and family welfare planning. J Indian Med Assoc 59:324-6, 16 Oct 72
CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ PROSTAGLANDINS/ SOCIOECONOMIC FACTORS/ UTERINE NEOPLASMS, occurrence

1807. **Jackson SH:** Problems in screening infants for defects of amino acid metabolism.
Clin Biochem 6:15-21, Mar 73
ADULT/ AMINO ACID METABOLISM, INBORN ERRORS, blood/ *AMINO ACID METABOLISM, INBORN ERRORS, diagnosis/ AMINO ACID METABOLISM, INBORN ERRORS, urine/ *AMINO ACIDS, analysis/ AMINO ACIDS, blood supply/ CHROMATOGRAPHY, THIN LAYER/ COLOR/ CYSTINURIA, diagnosis/ CYSTINURIA, urine/ EVALUATION STUDIES/ HUMAN/ INDICATORS AND REAGENTS/ INFANT/ INFANT, PREMATURE/ MASS SCREENING/ PHENYLKETONURIA, diagnosis/ PHENYLKETONURIA, urine/ RICKETS, diagnosis/ RICKETS, urine/ STAINS AND STAINING/ TYROSINE, blood

1808. **Jacobsen BB:** Triglyceride metabolism in hyperthyroidism. Lancet 813:1190-1, 23 May 73
HUMAN/ *HYPERTHYROIDISM, blood/ *TRIGLYCERIDES, blood

1809. **Jacobsson H, Biomgren H:** Evidence for a loss of recirculating capacity of T-cells after antigenic stimulation. Clin Exp Immunol 13:439-53, Mar 73
ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ CELL MEMBRANE, immunology/ CELL MOVEMENT/ CHROMIUM ISOTOPES/ CORTISONE/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *HISTOCOMPATIBILITY ANTIGENS/ INJECTIONS, INTRAVENOUS/ LIVER, cytology/ LYMPH NODES, cytology/ LYMPH NODES, radiation effects/ LYMPHOCYTE TRANSFORMATION/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, radiation effects/ T-LYMPHOCYTES, transplantation/ MICE/ MICE, INBRED CBA/ RADIATION EFFECTS/ SPLEEN, cytology/ SPLEEN, radiation effects/ THYMUS GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS

1810. **Jaffe BF, Jaffe N:** Head and neck tumors in children. Pediatrics 51:731-40, Apr 73
CHILD/ EAR NEOPLASMS, diagnosis/ EAR NEOPLASMS, therapy/ *FACIAL NEOPLASMS/ FACIAL NEOPLASMS, diagnosis/ FACIAL NEOPLASMS, therapy/ HUMAN/ JAW NEOPLASMS, diagnosis/ JAW NEOPLASMS, therapy/ LYMPHOMA, diagnosis/ LYMPHOMA, therapy/ *MOUTH NEOPLASMS/ MOUTH NEOPLASMS, diagnosis/ MOUTH NEOPLASMS, therapy/ *NECK NEOPLASMS/ NECK NEOPLASMS, diagnosis/ NECK NEOPLASMS, therapy/ NEUROBLASTOMA, diagnosis/ NEUROBLASTOMA, therapy/ SARCOMA, diagnosis/ SARCOMA, therapy/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, therapy

1811. **Jaffiol C, Baldet L, Monnier L, et al:** Hyperthyroide sur lobe unique thyroiden. A propos de 3 observations. Sem Hop Paris 49:325-7, 26 Jan 73 **(Fre)**
ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, familial & genetic/ *GOITER, NODULAR, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ THYROID GLAND FUNCTION TESTS/ TRIIODOTHYRONINE

1812. **Jagger PI:** Suppressed plasma renin activity and primary aldosteronism.
J Maine Med Assoc 64:103 passim, May 73
HUMAN/ *HYPERALDOSTERONISM/ HYPERALDOSTERONISM, blood/ *HYPERTENSION, blood/ RADIOIMMUNOASSAY/ *RENIN, blood

1813. **Jagiello G, Ducayen MB, Lin JS:** A meiotic cytogenetic study in mice of a commonly used tranquilizer reported to concentrate in mammalian follicular fluid. Teratology 7:17-21, Feb 73
ANIMAL EXPERIMENTS/ FEMALE/ IN VITRO/ *MEIOSIS, drug effects/ MEPROBAMATE, adverse effects/ MEPROBAMATE, metabolism/ *MEPROBAMATE, pharmacodynamics/ MICE/ *MUTAGENS/ OVARY, metabolism/ OVULATION, drug effects/ OVUM, drug effects

1814. **Jain M, Sands F, Von Korff RW:** Monoamine oxidase activity measurements using radioactive substrates. Anal Biochem 52:542-54, Apr 73
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BRAIN, cytology/ BRAIN, enzymology/ CARBON ISOTOPES/ CHROMATOGRAPHY/ DOPAMINE, metabolism/ LIVER, enzymology/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE, metabolism/ OXYGEN CONSUMPTION/ POLAROGRAPHY/ RABBITS/ SEROTONIN, metabolism/ TRYPTAMINES, metabolism/ TYRAMINE, metabolism

1815. **Jainudeen MR, Hafez ES:** Gonadotrophin-induced multiple ovulation in the crab-eating monkey, Macaca fascicularis. J Reprod Fertil 33:151-4, Apr 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM/ FALLOPIAN TUBES/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE/ HUMAN/ *MACACA, physiology/ MONKEYS/ *OVULATION, drug effects/ OVUM

1816. **Jallageas M, Assenmacher I:** Effets du jeune et de la castration sur la cinétique du métabolisme de la testosteron chez le canard.
Gen Comp Endocrinol 20:401-6, Apr 73 **(Fre)**
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, GAS/ *DUCKS, physiology/ ENGLISH ABSTRACT/ *FASTING/ LIGHT/ MALE/ METABOLIC CLEARANCE RATE/ PHOTIC STIMULATION/ SEASONS/ SECRETORY RATE/ *TESTIS, physiology/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TESTOSTERONE, secretion/ TRITIUM

1817. **Jalnawalla SF:** Oral pill pilot project in India. J Indian Med Assoc 59:344-8, 16 Oct 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ EDUCATIONAL STATUS/ FEMALE/ HUMAN/ INCOME/ INDIA/ PARITY/ PILOT PROJECTS/ *POPULATION CONTROL/ PREGNANCY

1818. **James W:** Sex ratio and the pill. Lancet 1:1061, 12 May 73
*CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *SEX RATIO

1819. **Jaminet F:** Les incompatibilités des médicaments. Farmaco [Prat] 28:185-209, Apr 73 **(Fre)**
ABSORPTION/ BARBITURATES, metabolism/ COUMARINS, metabolism/ *DRUG INCOMPATIBILITY/ DRUG INTERACTIONS/

DRUGS, metabolism/ ENZYME INDUCTION/ GLUTETHIMIDE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ PHENYLBUTAZONE, metabolism/ SMOKING

1820. **Jamotton L, Michiels J:** Accidents arteriels rétiniens par médications anovulatoire.
Bull Soc Belge Ophtalmol 161:669-82, 1972 (Fre)
ADULT/ *ETHINYL ESTRADIOL, adverse effects/ EYE, physiopathology/ FEMALE/ FENFLURAMINE, adverse effects/ HUMAN/ *LYNESTRENOL, adverse effects/ MIGRAINE, chemically induced/ *NORGESTREL, adverse effects/ *RETINAL ARTERY, drug effects/ RETINAL HEMORRHAGE, chemically induced/ *VISION DISORDERS, chemically induced

1821. **Janda J, Mrhová O:** The influence of thyroid hormones on the activities of the certain enzymes in rat aorta at a high-fat diet. Cor Vasa 15:70-9, 1973
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *AORTA, enzymology/ ARTERIOSCLEROSIS, drug therapy/ DIET, ATHEROGENIC/ *DIETARY FATS, administration & dosage/ ENZYME REPRESSION, drug effects/ ESTERASES, metabolism/ FEMALE/ HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, enzymology/ LACTATE DEHYDROGENASE, metabolism/ MALATE DEHYDROGENASE, metabolism/ NUCLEOTIDASES, metabolism/ OXIDOREDUCTASES, metabolism/ PYROPHOSPHATASES, metabolism/ RATS/ THYROID HORMONES/ *THYROID HORMONES, therapeutic use/ THYRONINE

1822. **Janečka J, Bruna J:** Pycnodysostosis im Röntgenbild (Maladie de Toulouse Lautrec--drei neue Becobachtungen.
God Zb Med Fak Skopje 118:298-305, Mar 73 (Ger)
ADULT/ CHILD/ *CRANIOFACIAL DYSOSTOSIS, radiography/ *DWARFISM, radiography/ ENGLISH ABSTRACT/ FEMALE/ FINGERS, abnormalities/ HUMAN/ MALE/ OSTEOSCLEROSIS, complications/ OSTEOSCLEROSIS, familial & genetic/ OSTEOSCLEROSIS, radiography/ SYNDROME/ TOES, abnormalities

1823. **Janeke JB, Wright WK:** A study of nasal fracture healing. Arch Otolaryngol 97:253-5, Mar 73
BONE AND BONES, pathology/ BONE RESORPTION/ CADAVER/ *CALLUS/ CALLUS, pathology/ CARTILAGE, physiology/ COLLAGEN/ CONNECTIVE TISSUE, pathology/ ELASTIC TISSUE, pathology/ *FRACTURES/ FRACTURES, pathology/ HUMAN/ *NOSE, injuries/ OSTEOGENESIS/ *WOUND HEALING

1824. **Janisch H, Leodolter S:** Plazentainsuffizienz und Funktionsdiagnostik mit Radioisotopen.
Z Geburtshilfe Perinatol 177:11-8, Feb 73 (Ger)
BIRTH WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ FETAL DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ LABOR/ METHODS/ PLACENTA, blood supply/ PLACENTA, physiology/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ RADIOISOTOPE DILUTION TECHNIC/ REGIONAL BLOOD FLOW/ TECHNETIUM, diagnostic use

1825. **Janisch H, Spona J:** Radioimmunologische Untersuchungen des Wachstumshormons (STH) und Plazentalaktogens (HPL) während der normalen Schwangerschaft.
Wien Klin Wochenschr 85:167-9, 16 Mar 73 (Ger)
ANIMAL EXPERIMENTS/ ANTIBODIES/ CROSS REACTIONS/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ IMMUNE SERUMS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RABBITS/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

1826. **Janning W:** Aldehyde oxidase as a cell marker for internal organs in Drosophila melanogaster.
Naturwissenschaften 59:516-7, Nov 72
*ALDEHYDE OXIDOREDUCTASES/ ANIMAL EXPERIMENTS/ CYTOGENETICS/ *DROSOPHILA MELANOGASTER/ *GENES, STRUCTURAL/ HISTOCYTOCHEMISTRY/ MALPIGHIAN TUBULES, enzymology/ MOSAICISM/ SEX CHROMOSOME ABNORMALITIES

1827. **Janowsky DS, Berens SC, Davis JM:** Correlation between mood, weight, and electrolytes during th menstrual cycle: a renin-angiotensin-aldosteron hypothesis of premenstrual tension.
Psychosom Med 35:143-54, Mar-Apr 73
ADOLESCENCE/ ADULT/ *AFFECTIVE DISTURBANCES, etiology/ *ALDOSTERONE/ ALDOSTERONE, secretion/ *ANGIOTENSIN/ ANGIOTENSIN, secretion/ ANXIETY, etiology *BODY WEIGHT/ DEPRESSION, etiology/ ESTROGENS, metabolism/ FATIGUE, etiology FEMALE/ HUMAN/ *NATRIURESIS/ NEURA TRANSMISSION/ *POTASSIUM, urine/ *PREMENSTRUAL TENSION, etiology/ PROGESTERONE, metabolism/ *RENIN/ RENIN, secretion/ *WATER-ELECTROLYTE BALANCE

1828. **Januszewicz W, Wocial B, Szmajderman M:** Aktywno reniny w osoczu a wydalanie katecholamin w świeży zawale serca.
Kardiol Pol 15:357-63, 1972 (P
ADULT/ *CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, blood/ *MYOCARDIAL INFARCT, metabolism/ MYOCARDIAL INFARCT, urine/ *RENIN, blood/ TIME FACTORS

1829. **Jarlstedt J, Nilsson L, Hamberger L, et al:** Effects gonadotrophins and cyclic 3',5'-AMP on in vit incorporation of (3 H)uridine into RNA of t prepubertal rat ovary.
Acta Endocrinol (Kbh) 72:771-85, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *FSH, pharmacodynamics/ *LH, pharmacodynamics/ *OVARY, metabolis RATS/ RNA, biosynthesis/ *RNA, metabolism STIMULATION, CHEMICAL/ TRITIUM/ *URIDINE, metabolism

1830. **Jaszczak S, Hafez ES:** Sperm migration through t uterine cervix in the macaque during the menstr cycle. Am J Obstet Gynecol 115:1070-82, 15 Apr
ANIMAL EXPERIMENTS/ CELL COUNT/ CELL MOVEMENT/ CERVIX MUCUS, cytology/ *CERVIX UTERI, physiology/ *ESTRUS/ FEMALE/ LEUKOCYTE COUNT/ LEUKOCYTES/ LH, blood/ MACACA/ MALI MONKEYS/ OVARY, anatomy & histology/ OVULATION/ PROGESTERONE, blood/ *SPERMATOZOA/ TIME FACTORS/ UTERU anatomy & histology/ VAGINAL SMEARS

1831. **Jędrzejczak W:** Rozważania nad możliwa rola ukł cyklazy adenylowej i cyklicznego adenozynomonofosforanu w procesie karcynogene
Przegl Lek 30:316-20, 1973 (30 ref.) (P
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSIN MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CE DIFFERENTIATION/ CELL TRANSFORMATION, NEOPLASTIC, enzymology/ *CELL TRANSFORMATION, NEOPLASTIC, metabolism/ FEEDBACK/ GENETIC CODE/ HAMSTERS/ MAGNESIUM metabolism/ MUTATION/ RATS/ REVIEW

1832. **Jeejeebhoy KN, Bruce-Robertson A, Ho J, et al:** The comparative effects of nutritional and hormo factors on the synthesis of albumin, fibrinogen transferrin. Ciba Found Symp 9:217-47, 1972
ALCOHOL, ETHYL, antagonists & inhibitor *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BLOOD PROTEINS, isolation purification/ BLOOD PROTEINS, metabolism

CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ *DIETARY PROTEINS, administration & dosage/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FIBRINOGEN, biosynthesis/ GEL FILTRATION/ GLYCOPROTEINS, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ PROTEIN DEFICIENCY, blood/ PROTEIN HYDROLYSATES, pharmacodynamics/ PROTEINS, metabolism/ RATS/ RNA, MESSENGER, biosynthesis/ *SERUM ALBUMIN, biosynthesis/ *SOMATOTROPIN, pharmacodynamics/ *TRANSFERRIN, biosynthesis/ TRYPTOPHAN, pharmacodynamics

1833. **Jeffcoate SL, Fraser HM, Gunn A, et al:** Radioimmunoassay of luteinizing hormone releasing factor. J Endocrinol 57:189-90, Apr 73
ANIMAL EXPERIMENTS/ IODINE ISOTOPES/ *LH/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, urine/ RABBITS/ RADIOIMMUNOASSAY

1834. **Jellinger K, Sunder-Plassmann M:** Connatal intracranial tumours. Neuropaediatrie 4:46-63, Jan 73
ANGIOSARCOMA, congenital/ BRAIN, pathology/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, congenital/ BRAIN NEOPLASMS, mortality/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiography/ CARCINOMA, EPIDERMOID, congenital/ CHILD/ CHILD, PRESCHOOL/ CHOROID NEOPLASMS, congenital/ CRANIOPHARYNGIOMA, congenital/ EPENDYMOMA, congenital/ FEMALE/ GANGLIONEUROMA, congenital/ GLIOMA, congenital/ HAMARTOMA, congenital/ HUMAN/ HYDROCEPHALUS, complications/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ LIPOMA, congenital/ MALE/ MEDULLOBLASTOMA, congenital/ MENINGIOMA, congenital/ NEOPLASM METASTASIS/ NEUROEPITHELIOMA, congenital/ PAPILLOMA, congenital/ SARCOMA, congenital/ TERATOID TUMOR, congenital

1835. **Jensen KB:** IgM turnover in man.
Clin Found Symp 9:249-72, 1972 (35 ref.)
ABSCESS, immunology/ ADULT/ AZATHIOPRINE, therapeutic use/ CELIAC DISEASE, immunology/ CHRONIC DISEASE/ CLONE CELLS/ ENTERITIS, REGIONAL, immunology/ FECES, analysis/ GASTRITIS, immunology/ HUMAN/ HYPERTROPHY, immunology/ IGG/ IGM, biosynthesis/ *IGM, metabolism/ IODINE ISOTOPES/ IRON ISOTOPES/ LIVER CIRRHOSIS, immunology/ LIVER DISEASES, blood/ LIVER DISEASES, drug therapy/ *LIVER DISEASES, immunology/ MALE/ PREDNISONE, therapeutic use/ *PROTEIN-LOSING ENTEROPATHIES, immunology/ REVIEW/ SERUM ALBUMIN, metabolism/ STOMACH DISEASES, immunology

1836. **Jensen MM:** Possible mechanisms of impaired interferon production in stressed mice.
Proc Soc Exp Biol Med 142:820-3, Mar 73
ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ BIOLOGICAL ASSAY/ ENDOTOXINS, pharmacodynamics/ FEMALE/ INTERFERON, analysis/ *INTERFERON, biosynthesis/ INTERFERON, pharmacodynamics/ INTERFERON INDUCERS, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ MICE/ NEWCASTLE DISEASE VIRUS/ ORGAN WEIGHT/ PHENOXYBENZAMINE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SPLEEN, anatomy & histology/ SPLEEN, metabolism/ SPLENECTOMY/ *STRESS, PSYCHOLOGICAL/ VESICULAR STOMATITIS VIRUS, drug effects

1837. **Jensen SB, Oliver RW:** A simplified general proof of the Allen correction equation and some comments concerning its applicability to the colorimetric analysis of oestriol. Clin Chim Acta 44:443-8, 30 Mar 73
*COLORIMETRY/ ESTRIOL, analysis/ *MATHEMATICS

1838. **Jervell J:** Hypofysen og diabetes.
Tidsskr Nor Laegeforen 92:2189-91, 20 Nov 72 (Nor)
ACIDOSIS, DIABETIC, etiology/ *DIABETES MELLITUS, etiology/ DIABETES MELLITUS, therapy/ DIABETIC ANGIOPATHIES, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPOPHYSECTOMY/ *PITUITARY GLAND, physiopathology

1839. **Jewelewicz R, Cantor B, Dyrenfurth I, et al:** Intravenous infusion of prostaglandin F2alpha in the mid-luteal phase of the normal human menstrual cycle. Prostaglandins 1:443-51, Jun 72
ADULT/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ BODY TEMPERATURE/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ ESTROGENS, blood/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ LH, blood/ MENSTRUATION, drug effects/ OVULATION, drug effects/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

1840. **Jewett DA, Dukelow WR:** Infrared photolaparographic techniques for ovulation studies in primates.
J Med Primatol 1:193-5, 1972
ANIMAL EXPERIMENTS/ FEMALE/ *INFRARED RAYS/ *LAPAROSCOPY/ MACACA/ METHODS/ MONKEYS/ *OVULATION/ *PHOTOGRAPHY/ *PRIMATES, physiology

1841. **Jirásek JE:** Diferenciální diagnostika syndromů spojených s dysgenezí a s nevývinem gonád.
Cesk Gynekol 38:201-4, Apr 73 (Cze)
ADOLESCENCE/ CHILD/ CHROMOSOME ABERRATIONS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GONADS, abnormalities/ HUMAN/ MALE/ MOSAICISM/ PSEUDOHERMAPHRODITISM, diagnosis/ PSEUDOHERMAPHRODITISM, familial & genetic/ *TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, familial & genetic

1842. **Jirkalová V, Hušková M, Kohoutek M:** Gonadotropiny v krvi u mužů. Cesk Gynekol 38:159-61, Apr 73 (Cze)
FSH, blood/ *GONADOTROPINS, blood/ HUMAN/ LH, blood/ MALE/ SPERMATOZOA, analysis/ STERILITY, MALE, blood

1843. **Job JC, Milhaud G, Garnier PE, et al:** Effets d'une hormone synthétique de libération de la lutéotrophine (LH-RH) sur le taux sanguin de FSH et de LH. Premiers résultats chez les sujets normaux (enfants et adultes) at en pathologie.
Ann Endocrinol (Paris) 33:537-8, Sep-Oct 72 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, physiopathology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ HYPOGONADISM, physiopathology/ HYPOPITUITARISM, physiopathology/ INFANT/ *LH, blood/ LH, secretion/ MALE/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PUBERTY/ PUBERTY, PRECOCIOUS, physiopathology/ RADIOIMMUNOASSAY/ SEX FACTORS/ STIMULATION, CHEMICAL

1844. **Joffe BI, Hackeng WH, Seftel HC, et al:** Parathyroid hormone concentrations in postgastrectomy patients.
S Afr Med J 47:659-60, 21 Apr 73
ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ ENZYME TESTS/ FEMALE/ *GASTRECTOMY/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOMALACIA, diagnosis/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RADIOIMMUNOASSAY/ TIME FACTORS

1845. **Johannessen H:** Pulmonal aspergillose. Allergiske og infeksiose sykdomsbilder.
Tidsskr Nor Laegeforen 93:366-72, 28 Feb 73 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ AMPHOTERICIN B, therapeutic use/ *ASPERGILLOSIS/ ASPERGILLOSIS, complications/ ASPERGILLOSIS, drug therapy/ ASTHMA, complications/ DISODIUM CROMOGLYCATE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG DISEASES, FUNGAL/ MALE/ *PLEURAL DISEASES/ SPONDYLITIS, ANKYLOSING, complications

1846. **Johansson H, Thorén L, Werner I:** Pernicious hyperparathyroidism. Acta Chir Scand 139:37-41, 1973
ACUTE DISEASE/ *ADENOMA/ AGED/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, metabolism/ HYPERPARATHYROIDISM, mortality/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS

1847. **John HA, Thomas NS, Larson P, et al:** Structural changes in myosin in dystrophic, denervated and regenerating muscle in mice.
J Neurol Sci 18:421-33, Apr 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL FILTRATION/ MALE/ MICE/ MOLECULAR WEIGHT/ *MUSCLE DENERVATION/ *MUSCLE PROTEINS, metabolism/ MUSCULAR DYSTROPHY, enzymology/ MUSCULAR DYSTROPHY, familial & genetic/ *MUSCULAR DYSTROPHY, metabolism/ MYOSIN, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ NERVE DEGENERATION/ NERVE REGENERATION/ *REGENERATION

1848. **Johnson DC:** Androgenization of the female rat with androstenediol. J Reprod Fertil 32:159-61, Jan 73
ANDROSTENES, administration & dosage/ *ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ FEMALE/ FSH, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, blood/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION, drug effects/ RATS/ *VAGINA, drug effects/ VAGINAL SMEARS

1849. **Johnson DC, Mallampati RS:** Ovarian weight changes in immature female rats as a function of dose and exposure time to PMS.
Proc Soc Exp Biol Med 143:59-62, May 73
ANIMAL EXPERIMENTS/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, physiology/ FEMALE/ FSH, administration & dosage/ *FSH, secretion/ GONADOTROPINS, CHORIONIC, physiology/ *GONADOTROPINS, EQUINE, pharmacodynamics/ LH, administration & dosage/ *LH, secretion/ ORGAN WEIGHT/ *OVARY, drug effects/ *OVULATION, drug effects/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

1850. **Johnson JD, Hansen RC, Albritton WL, et al:** Hypoplasia of the anterior pituitary and neonatal hypoglycemia.
J Pediatr 82:634-41, Apr 73
ADRENAL GLAND HYPOFUNCTION/ ADRENAL GLANDS, abnormalities/ BLINDNESS, complications/ BRADYCARDIA, etiology/ *BRAIN, abnormalities/ CONVULSIONS, etiology/ ELECTROLYTES, metabolism/ FEMALE/ GLUCAGON, diagnostic use/ GLUCOSE, therapeutic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOGLYCEMIA, complications/ HYPOGLYCEMIA, drug therapy/ *HYPOGLYCEMIA, etiology/ HYPOPITUITARISM, complications/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INSULIN, blood/ MALE/ MENTAL RETARDATION, complications/ *PITUITARY GLAND, abnormalities/ SOMATOTROPIN, blood/ VASOPRESSIN, pharmacodynamics

1851. **Johnson JT, Levine S:** Influence of water deprivation on adrenocortical rhythms.
Neuroendocrinology 11:268-73, 1973
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ FEMALE/ LIGHT/ *PITUITARY-ADRENAL SYSTEM/ RATS/ *WATER DEPRIVATION

1852. **Johnson LG:** Development of chick embryo conjunctival papillae and scleral ossicles after hydrocortisone treatment. Dev Biol 30:223-7, Jan 73
ANIMAL EXPERIMENTS/ *CHICK EMBRYO/ CONJUNCTIVA, drug effects/ *CONJUNCTIVA, embryology/ GERM LAYERS, drug effects/ *HYDROCORTISONE, pharmacodynamics/ SCLERA, drug effects/ *SCLERA, embryology/ TIME FACTORS

1853. **Johnson MH:** The rôle of the pituitary in the development of the blood-testis barrier in mice
J Reprod Fertil 32:509-11, Mar 73
ACRIDINES/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *BLOOD/ DESMOSOMES/ ESTRADIOL, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ MICE/ *PITUITARY GLAND, physiology/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ *TESTIS, physiology

1854. **Johnsson S:** Hjärnartärtrombos hos und kvinna uta p-piller. Lakartidningen 70:1612, 18 Apr 73 (Swe
ADULT/ *CEREBRAL ARTERY DISEASES/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ THROMBOSIS

1855. **Johnston ID:** The metabolic and endocrine response injury: a review. Br J Anaesth 45:252-5, Mar 73 (15 ref
ADRENAL GLANDS, physiopathology/ ADRENAL MEDULLA, physiopathology/ BLOOD SUGAR/ BODY WEIGHT/ CORTICOTROPIN, blood/ *ENDOCRINE GLANDS, secretion/ EPINEPHRINE, metabolism/ FATTY ACIDS, NONESTERIFIED FIBRINOGEN/ HUMAN/ INSULIN, blood/ LIVER CIRCULATION/ PROTEINS, metabolism/ REVIEW/ SERUM ALBUMIN/ SURGERY, OPERATIVE/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *WOUNDS AND INJURIES, metabolism/ WOUNDS AND INJURIES, physiopathology

1856. **Johnston RB Jr, Lawton AR 3d, Cooper MD:** Disorde of host defense against infection. Pathophysiolo and diagnostic considerations.
Med Clin North Am 57:421-40, Mar 73 (65 re
AGAMMAGLOBULINEMIA, immunology/ AGRANULOCYTOSIS, immunology/ ALDRICH SYNDROME, complications/ ATAXIA TELANGIECTASIA, complications/ BACTERIAL INFECTIONS, immunology/ CHEDIAK-HIGASHI SYNDROME, immunology CHEMOTAXIS/ COMPLEMENT/ DWARFISM, complications/ HUMAN/ HYPERGAMMAGLOBULINEMIA, immunology IGA/ IGG/ IMMUNITY, CELLULAR/ *IMMUNOLOGIC DEFICIENCY SYNDROMES IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ IMMUNOLOGIC DEFICIENCY SYNDROMES, diagnosis/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ INFANT/ B-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, immunology/ MONILIASI immunology/ OPSONINS/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, immunolog PHAGOCYTOSIS/ REVIEW/ THYMUS GLA abnormalities

1857. **Joiner PD:** A cellular calcium pool for contraction rabbit ileal muscle.
Can J Physiol Pharmacol 51:260-70, Apr 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ EPINEPHRINE,

pharmacodynamics/ *ILEUM, metabolism/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ RABBITS

1858. Joly L, Weins MJ, Hoffmann JA, et al: Evolution des glandes prothoraciques de larves permanentes de Locusta migratoria obtenues par irradiation sélective du tissu hématopoiétique.
Z Zellforsch Mikrosk Anat 137:387-97, 23 Feb 73 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ECDYSONE/ *ENDOCRINE GLANDS, cytology/ ENDOCRINE GLANDS, growth & development/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ GRASSHOPPERS, growth & development/ *GRASSHOPPERS, radiation effects/ LARVA, growth & development/ LARVA, radiation effects/ *METAMORPHOSIS, BIOLOGICAL, radiation effects/ MICROSCOPY, ELECTRON/ *RADIATION EFFECTS/ RIBOSOMES

1859. Jonas HA, Salamonsen LA, Burger HG, et al: Release of FSH after administration of gonadotrophin-releasing hormone or estradiol to the anestrous ewe.
Endocrinology 92:862-5, Mar 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, blood/ *GONADOTROPINS/ LH, blood/ *PEPTIDES, pharmacodynamics/ RADIOIMMUNOASSAY/ SHEEP

1860. Jonckheer MH, Blockx P, Kaivers R, et al: Hyperthyroidism as a possible complication of the treatment of ischemic heart disease with amiodarone.
Acta Cardiol (Brux) 28:192-200, 1973
ADULT/ AGED/ *ANGINA PECTORIS, drug therapy/ *BENZOFURANS, adverse effects/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, chemically induced/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ THYROID GLAND FUNCTION TESTS

1861. Jones B, Cuttner J, Levy RN, et al: Daunorubicin (NSC-83142) versus daunorubicin plus prednisone (NSC-10023) versus daunorubicin plus vincristine (NSC-67574) plus prednisone in advanced childhood acute lymphocytic leukemia.
Cancer Chemother Rep 56:729-37, Dec 72
BLOOD CELL COUNT/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DAUNOMYCIN, adverse effects/ *DAUNOMYCIN, therapeutic use/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, blood/ *LEUKEMIA, LYMPHOCYTIC, drug therapy/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ REMISSION/ TIME FACTORS/ VINCRISTINE, adverse effects/ *VINCRISTINE, therapeutic use

1862. Jones EA, Cowie AT: The effect of hypophysectomy and subsequent replacement therapy with sheep prolactin or bovine growth hormone on the lactose synthetase activity of rabbit mammary gland.
Biochem J 130:997-1002, Dec 72
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *HEXOSYLTRANSFERASES, metabolism/ *HYPOPHYSECTOMY/ *MAMMAE, enzymology/ *PROLACTIN, pharmacodynamics/ RABBITS/ *SOMATOTROPIN, pharmacodynamics

1863. Jones J, Payne JP, Perry IR: Some clinical pharmacological effects of althesin (CT 1341).
Br J Pharmacol 46:553P-554P, Nov 72
*ANESTHETICS, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ HEART RATE, drug effects/ HUMAN/ KETOSTEROIDS, pharmacodynamics/ MALE/ *PREGNANES, pharmacodynamics/ RESPIRATION, drug effects

1864. Jones RC, Edgren RA: The effects of various steroids on the vaginal histology in the rat.
Fertil Steril 24:284-91, Apr 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ LYNESTRENOL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ METHYLTESTOSTERONE, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ NORGESTREL, pharmacodynamics/ ORGAN WEIGHT/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ RATS/ TESTOSTERONE, pharmacodynamics/ UTERUS, drug effects/ *VAGINA, drug effects

1865. Jones RE, Gerrard AM, Roth JJ: Estrogen and brood pouch formation in the marsupial frog, Gastrotheca riobambae.
J Exp Zool 184:177-84, May 73
ANIMAL EXPERIMENTS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FROGS, physiology/ INJECTIONS, INTRAPERITONEAL/ *SKIN, anatomy & histology/ SKIN, drug effects

1866. Jones RE, Moscona M, Moscona AA: Does cyclic-3',5'-AMP induce glutamine synthetase in embryonic neural retina?
Biochem Biophys Res Commun 51:268-74, 17 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ CHROMATOGRAPHY, PAPER/ COLORIMETRY/ ENZYME INDUCTION, drug effects/ EPINEPHRINE, pharmacodynamics/ *GLUTAMINE SYNTHETASE, biosynthesis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ RETINA, drug effects/ RETINA, embryology/ *RETINA, enzymology/ RETINA, metabolism/ THEOPHYLLINE, pharmacodynamics

1867. Jonsson G, Sachs C: Effect of tyrosine hydroxylase inhibition on the action of 6-hydroxydopamine.
Res Commun Chem Pathol Pharmacol 5:287-96, Mar 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, physiology/ CEREBRAL CORTEX, metabolism/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ HEART ATRIUM, metabolism/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ MICE/ MICE, INBRED STRAINS/ NERVE DEGENERATION, drug effects/ NEURONS, drug effects/ NEURONS, enzymology/ NIALAMIDE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ TIME FACTORS/ TRITIUM/ *TYROSINE HYDROXYLASE, antagonists & inhibitors

1868. Jopling WH: The treatment of leprosy and its acute complications.
Trop Doct 3:8-11, Jan 73
ANILINE COMPOUNDS, therapeutic use/ ANTIBIOTICS, therapeutic use/ DAPSONE, adverse effects/ DAPSONE, therapeutic use/ EPISTAXIS, etiology/ EPISTAXIS, therapy/ EYE MANIFESTATIONS/ HUMAN/ IMINES, therapeutic use/ LEPROMIN/ LEPROSY, complications/ LEPROSY, immunology/ *LEPROSY, therapy/ NEUROLOGIC MANIFESTATIONS/ PAIN, drug therapy/ PHENAZINES, therapeutic use/ SULFONAMIDES, therapeutic use/ SULFONES, therapeutic use/ THIACETAZONE, therapeutic use/ THIOUREA, therapeutic use

1869. Jordan MC, Rousseau WE, Noble GR, et al: Association of cervical cytomegaloviruses with venereal disease.
N Engl J Med 288:932-4, 3 May 73
ADOLESCENCE/ ADULT/ ANTIBODIES, VIRAL, analysis/ CAUCASIAN RACE/ *CERVIX UTERI, microbiology/ CONTRACEPTIVES, ORAL/ CYTOMEGALIC INCLUSION DISEASE, complications/ CYTOMEGALOVIRUSES, immunology/ *CYTOMEGALOVIRUSES, isolation & purification/ FEMALE/ GONORRHEA, complications/ HEMAGGLUTINATION TESTS/

HERPES SIMPLEX, complications/ HERPESVIRUS HOMINIS, isolation & purification/ HUMAN/ MALE/ MIDDLE AGE/ NEGROES/ NEISSERIA GONORRHOEAE, isolation & purification/ PARITY/ *VENEREAL DISEASES, complications/ VENEREAL DISEASES, etiology/ VENEREAL DISEASES, microbiology

1870. **Jorgensen H:** Hypercalcemia in adrenocortical insufficiency. Acta Med Scand 193:175-9, Mar 73
*ADDISON'S DISEASE, blood/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ *CALCIUM, blood/ CORTISONE, therapeutic use/ *CUSHING'S SYNDROME, blood/ FEMALE/ HUMAN/ *HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, prevention & control/ MIDDLE AGE/ PHOSPHATES, blood/ SODIUM, blood/ WATER-ELECTROLYTE BALANCE

1871. **Joseph MM, Meier AH:** Daily rhythms of plasma corticosterone in the common pigeon, Columba livia. Gen Comp Endocrinol 20:326-30, Apr 73
ADAPTATION, BIOLOGICAL/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ PHOTIC STIMULATION/ *PIGEONS, physiology/ PROLACTIN, physiology

1872. **Jouan P, Samperez S, Thieulant ML:** Testosterone "receptors" in purified nuclei of rat anterior hypophysis. J Steroid Biochem 4:65-74, Jan 73
ANIMAL EXPERIMENTS/ *CELL NUCLEUS, metabolism/ CHROMATOGRAPHY/ GEL FILTRATION/ IN VITRO/ MALE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ PROTEINS, metabolism/ RATS/ *RECEPTORS, HORMONE/ SODIUM CHLORIDE/ STANOLONE, metabolism/ STEROIDS, metabolism/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

1873. **Jouglard JP:** La synovectomie du poignet dans la maladie rhumatoide.
Rev Chir Orthop 58:422-6, Jul-Aug 72 (Fre)
*ARTHRITIS, RHEUMATOID, surgery/ BONE AND BONES, surgery/ HUMAN/ LIGAMENTS, ARTICULAR, surgery/ METHODS/ MOVEMENT/ PAIN/ POSTOPERATIVE CARE/ SPLINTS/ *SYNOVIAL MEMBRANE, surgery/ *TENDONS, surgery/ *WRIST, surgery

1874. **Jovaševič A, Jovaševič D:** Molarna i interponujuća normalna trudnoća.
Srp Arh Celok Lek 100:557-61, Apr-May 73 (Ser)
ADULT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE/ HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, occurrence/ PREGNANCY/ YUGOSLAVIA

1875. **Jovičič V:** Zur Problematik des Steroidulkus.
Wien Klin Wochenschr 85:272-5, 27 Apr 73 (Ger)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHRONIC DISEASE/ *DUODENAL ULCER, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ LEUKEMIA, drug therapy/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ SARCOMA, drug therapy/ *STOMACH ULCER, chemically induced

1876. **Jóźwik M, Diakowski J, Glowacka D, et al:** Biosynteza glikogenu w tkance łożuska ludzkiego w różnych okresach ciąży prawidłowej.
Ginekol Pol 44:357-62, Apr 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/ GLYCOGEN, biosynthesis/ HUMAN/ *PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS

1877. **Juchau MR, Lee QH, Blake PH:** Inverse correlation between aryl hydrocarbon hydroxylase activity and conversion of cholesterol to pregnenolone in human placentas at term. Life Sci [II] 11:949-56, 8 Oct 72
BENZOPYRENES, metabolism/ CARBON ISOTOPES/ CELL-FREE SYSTEM/ *CHOLESTEROL, metabolism/ FEMALE/ HUMAN/ *HYDROXYLASES, metabolism/ HYDROXYLATION/ KINETICS/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ OXIDATION-REDUCTION/ PLACENTA, cytology/ *PLACENTA, enzymology/ POLYCYCLIC COMPOUNDS/ PREGNANCY/ *PREGNENOLONE, biosynthesis/ PROGESTERONE, biosynthesis/ REGRESSION ANALYSIS

1878. **Juchau MR, Pedersen MG:** Drug biotransformation reactions in the human fetal adrenal gland. Life Sci [II] 12:193-204, 8 Mar 73
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ *AMINOBENZOIC ACID, metabolism/ AMINOBENZOIC ACID, pharmacodynamics/ *ANILINE COMPOUNDS, metabolism/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOTRANSFORMATION/ CARBON MONOXIDE, analysis/ FEMALE/ *FETUS/ FETUS, enzymology/ GUINEA PIGS/ HUMAN/ HYDROXYLASES/ HYDROXYLATION/ LIVER, enzymology/ MACACA/ MASS SPECTRUM ANALYSIS/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ *MICROSOMES, metabolism/ MITOCHONDRIA, drug effects/ MONKEYS/ PIGMENTS, analysis/ PLACENTA, metabolism/ PREGNANCY

1879. **Jungmannová C, Havránek F, Hodr J:** Vztah koncentrace prostaglandinu F 2 k aktivitě placentárních cév in vitro.
Cesk Gynekol 38:141-2, Apr 73 (Cze
BLOOD VESSELS, physiology/ FEMALE/ HUMAN/ *PLACENTA, blood supply/ PREGNANCY/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, physiology

1880. **Juorio AV:** The distribution of catecholamines in th hypothalamus and other brain areas of some lowe vertebrates. J Neurochem 20:641-5, Feb 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ CYPRINIDAE/ DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ FROGS/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ RANA TEMPORARIA/ RESERPINE, pharmacodynamics/ TIME FACTORS/ TURTLES

1881. **Jurczok F:** Gezielte Anwendung von Ovulationshemmern durch hormonelle Zytodiagnostik. Fortschr Med 91:608, 17 May 73 (Ge
*CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ HUMAN/ *VAGINAL SMEARS

K

1882. **Kachi T, Matsushima S, Ito T:** Diurnal variations i pineal glycogen content during the estrous cycle i female mice. Arch Histol Jap 35:153-9, Jan 7
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL NUCLEUS/ *CIRCADIAN RHYTHM/ DARKNESS/ *ESTRUS/ FEMALE/ *GLYCOGEN, analysis/ HISTOCYTOCHEMISTRY/ LIGHT/ MICE/ ORGAN WEIGHT/ *PINEAL BODY, analysis/ PINEAL BODY, cytology/ UTERUS, anatomy & histology/ VAGINAL SMEARS

1883. **Kaciuba-Uściłko H:** Hormonal regulation of thermogenesis in the new-born pig. The effect ambient temperature on urinary catecholamin excretion. Biol Neonate 21:245-58, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *CATECHOLAMINES, urine/ COLD/ EPINEPHRINE, urine/ FATTY ACIDS, NONESTERIFIED, blood/ FLUOROMETRY/ METHODS/ NOREPINEPHRINE, urine/

*SWINE, physiology/ THYROXINE, blood/ TIME FACTORS

1884. **Kaciuba-Uściłko H, Piekarzewska AB:** Ontogenic development of the thyroid gland in goslings. Bull Acad Pol Sci [Biol] 2I:I61-4, 1973
ANIMAL EXPERIMENTS/ *GEESE, growth & development/ ORGAN WEIGHT/ THYROID GLAND, cytology/ *THYROID GLAND, growth & development

1885. **Kącki J, Siedlecki J, Mayzner E, et al:** Extracorporeal animal liver perfusion in patients in hepatic coma: anesthesiological problems. Pol Med J 11:1573-82, 1972
ADOLESCENCE/ ADULT/ BLOOD CELL COUNT/ BLOOD COAGULATION/ BLOOD PLATELETS/ BLOOD PRESSURE/ BLOOD PROTEINS, analysis/ BLOOD SUGAR, analysis/ CARBON DIOXIDE, blood/ CENTRAL VENOUS PRESSURE/ CHLORIDES, blood/ DIURESIS/ HEART RATE/ HEMATOCRIT/ *HEPATIC COMA, therapy/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYDROXYDIONE/ *LIVER CIRCULATION/ *NITROUS OXIDE/ OXYGEN, blood/ PARTIAL PRESSURE/ *PERFUSION/ POTASSIUM, blood/ SODIUM, blood

1886. **Kadowitz PJ:** Effect of prostaglandins E 1 , E 2 and A 2 on vascular resistance and responses to noradrenaline, nerve stimulation and angiotensin in the dog hindlimb. Br J Pharmacol 46:395-400, Nov 72
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ ELECTRIC STIMULATION/ *HINDLIMB, blood supply/ HINDLIMB, innervation/ INJECTIONS, INTRA-ARTERIAL/ MUSCLE, SMOOTH, drug effects/ *NOREPINEPHRINE, antagonists & inhibitors/ PERFUSION/ *PROSTAGLANDINS, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ *VASCULAR RESISTANCE, drug effects

1887. **Kahn CR, Neville DM Jr, Roth J:** Insulin-receptor interaction in the obese-hyperglycemic mouse. A model of insulin resistance.
J Biol Chem 248:244-50, I0 Jan 73
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL MEMBRANE, analysis/ CELL MEMBRANE, metabolism/ ELECTROPHORESIS, DISK/ GENETICS/ GLUCAGON, metabolism/ *HYPOGLYCEMIA, metabolism/ *INSULIN, metabolism/ INSULIN ANTIBODIES/ *INSULIN RESISTANCE/ IODINE ISOTOPES/ ISOPROTERENOL, metabolism/ LIVER, analysis/ LIVER, cytology/ *LIVER, metabolism/ MICE/ MICE, INBRED C57BL/ MICROSCOPY, PHASE CONTRAST/ *OBESITY, metabolism/ PROTEIN BINDING/ PROTEINS, analysis/ *RECEPTORS, HORMONE/ SOMATOTROPIN, metabolism

1888. **Kaĭlakov AM:** Ostraia nadpochechnikovaia nedostatochnost' vyzvannaia otmenoĭ kortikosteroidnoĭ terapii.
Klin Med (Mosk) 50:I33-4, Aug 72 (Rus)
*ADRENAL GLAND HYPOFUNCTION, chemically induced/ ARTHRITIS, drug therapy/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use

1889. **Kaiser H:** Dosierung bei oraler und parenteraler Steroidtherapie.
Dtsch Med Wochenschr 98:5I8, 9 Mar 73 (Ger)
ADMINISTRATION, ORAL/ CIRCADIAN RHYTHM/ *GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, metabolism/ HUMAN/ INJECTIONS/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, metabolism/ PREDNISONE, administration & dosage/ PREDNISONE, metabolism

1890. **Kalukova TN:** Chastota, formy metastazov khorionépiteliomy v legkikh i ikh lechenie.
Vrach Delo I0:9I-4, Oct 72 (Rus)
ADULT/ *CHORIOCARCINOMA, therapy/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, therapy/ *NEOPLASM METASTASIS, therapy/ PREGNANCY

1891. **Kajubi SK:** Insulin-induced hypoglycaemia in Ugandan patients with Chronic pancreatic disease. Some preliminary observations. Afr J Med Sci 4:3I-6, Jan 73
BLOOD SUGAR, analysis/ CHRONIC DISEASE/ DIABETES MELLITUS, etiology/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ *HYPOGLYCEMIA, chemically induced/ *INSULIN, adverse effects/ INSULIN, blood/ PANCREATIC DISEASES, complications/ *PANCREATIC DISEASES, drug therapy/ SOMATOTROPIN, blood/ TIME FACTORS/ UGANDA

1892. **Kalashnikova EP:** Rol' funktsional'noi morfologii v izuchenii reproduktsii cheloveka.
Vestn Akad Med Nauk SSSR 27:43-9, Nov 72 (Rus)
ENDOMETRIUM, anatomy & histology/ ENGLISH ABSTRACT/ FEMALE/ FETUS, immunology/ *GENITALIA, FEMALE, anatomy & histology/ HUMAN/ IMMUNITY, CELLULAR/ OVARY, physiology/ OVULATION/ PLACENTA, physiology/ PREGNANCY/ *REPRODUCTION

1893. **Kalczak M, Krawczynska H, Polowiec Z:** Obraz histologiczny tarczycy poadluwantowego wielostawowego zapalenia z doświadczalnym immunoagresyjjmy, zapaleniem tarczycy u szczurów.
Reumatologia II:I-I0, Jan 73 (Pol)
ANIMAL EXPERIMENTS/ ANTIGENS, adverse effects/ *ARTHRITIS, pathology/ *AUTOIMMUNE DISEASES/ ENGLISH ABSTRACT/ FEMALE/ FREUND'S ADJUVANT/ MALE/ RATS/ THYROID GLAND, immunology/ *THYROID GLAND, pathology/ *THYROIDITIS, pathology/ TIME FACTORS

1894. **Kalinin AP, Selishcheva RF, Sokolova LS:** O zubo-cheliustnoĭ sisteme pri vrozhdennoĭ miksedeme.
Stomatologiia (Mosk) 52:102-3, Mar-Apr 73 (Rus)
HUMAN/ *MYXEDEMA/ *ORAL MANIFESTATIONS

1895. **Kalisch WE:** Tandem duplications in Drosophila melanogaster. I. Interchromosomal effects of a heterozygous tandem duplication.
Chromosoma 41:237-42, 1973
ALLELES/ ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ CHROMOSOME MAPPING/ CROSSING OVER (GENETICS)/ *DROSOPHILA MELANOGASTER/ FEMALE/ HETEROZYGOTE/ MALE/ PHENOTYPE/ SALIVARY GLANDS, cytology/ *SEX CHROMOSOMES

1896. **Kalifelz FA:** Observations on thyroid gland function in dogs: response to thyrotropin and thyroidectomy and determination of thyroxine secretion rate.
Am J Vet Res 34:535-8, Apr 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ DOGS/ *DOGS, physiology/ FEMALE/ HEMATOCRIT/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ SECRETORY RATE/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROIDECTOMY/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ *THYROXINE, secretion/ TRIIODOTHYRONINE, blood

1897. **Kamar GA, Shafie MM, Zakaria AM, et al:** Effects of different light regimes on the sexual maturation of the Fayoumi fowl. Br Poult Sci I4:149-52, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CHICKENS, growth & development/ FEMALE/ *LIGHT/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, growth & development/ OVIDUCTS, anatomy & histology/ *OVIDUCTS, growth & development/ PHOTIC STIMULATION/ SEASONS/ TIME FACTORS

1898. **Kambayashi Y, Murai S, Mizushima Y:** Enhancement of biologic activity and secretion of corticosteroid hy a triazine derivative in rats.
Arzneim Forsch 23:225-7, Feb 73
ADRENAL GLANDS, drug effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CORTICOSTERONE, blood/ DRUG SYNERGISM/ HALF-LIFE/ *HYDROCORTISONE, metaholism/ HYPOPHYSECTOMY/ LIVER GLYCOGEN, metabolism/ MALE/ ORGAN WEIGHT/ RATS/ THYMUS GLAND, drug effects/ *TRIAZINES, pharmacodynamics

1899. **Kamoun A:** Concentration et cinétique de disparition de la corticostérone en fonction de la qualité des protéines alimentaires chez le rat en croissance.
Pathol Biol (Paris) 21:123-32, Feb 73 (Fre)
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ DIET/ *DIETARY PROTEINS/ ENGLISH ABSTRACT/ GROWTH, drug effects/ HALF-LIFE/ KINETICS/ *LYSINE, pharmacodynamics/ METABOLIC CLEARANCE RATE/ MILK PROTEINS, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM, drug effects/ PROTEINS, metabolism/ RATS/ WHEAT

1900. **Kampschmidt RF, Upchurch HF, Pulliam LA:** Investigations on the mode of action of endogenous mediator. Proc Soc Exp Biol Med 143:279-83, May 73
*ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ FEMALE/ *FEVER, physiopathology/ HYPOPHYSECTOMY/ INJECTIONS, INTRAVENOUS/ IRON, blood/ LEUKOCYTE COUNT/ *LEUKOCYTES, physiology/ NEUTROPHILS/ *PITUITARY GLAND, physiology/ RATS

1901. **Kan KW, Ungar F:** Characterization of an adrenal activator for cholesterol side chain cleavage.
J Biol Chem 248:2868-75, 25 Apr 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *CARRIER PROTEINS, pharmacodynamics/ CATTLE/ *CHOLESTEROL, metabolism/ *CYTOCHROME P-450, metabolism/ CYTOCHROME REDUCTASES, metabolism/ EDTA, pharmacodynamics/ ENZYME ACTIVATION/ GEL FILTRATION/ GLUTATHIONE, pharmacodynamics/ MITOCHONDRIA, enzymology/ NADP/ PREGNENOLONE, biosynthesis/ PREGNENOLONE, pharmacodynamics/ PROTEIN BINDING/ SOLUBILITY/ SPECTROPHOTOMETRY/ *STEROID HYDROXYLASES, metabolism/ TIME FACTORS/ TRITIUM

1902. **Kanazawa T, Boyer PD:** Occurrence and characteristics of a rapid exchange of phosphate oxygens catalyzed by sarcoplasmic reticulum vesicles.
J Biol Chem 248:3163-72, 10 May 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MODELS, BIOLOGICAL/ *OXYGEN CONSUMPTION/ OXYGEN ISOTOPES/ *PHOSPHATES, metabolism/ PHOSPHOPROTEINS, metabolism/ PHOSPHORIC ACIDS, pharmacodynamics/ PHOSPHORUS ISOTOPES/ RABBITS/ *SARCOPLASMIC RETICULUM, enzymology/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TIME FACTORS

1903. **Kanter Y, Harnes BZ, Barzilai D:** [Diabetes and thyrotoxicosis]
Harefuah 84:211-3, 15 Feb 73 (Heb)
ANIMAL EXPERIMENTS/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, occurrence/ DOGS/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, occurrence/ ISRAEL/ RATS

1904. **Kantor GL, Dixon FJ:** Fertility of male guinea-pigs immunized with testicular antigen in Freund's incomplete adjuvant.
Clin Exp Immunol 13:225-30, Feb 73
ANIMAL EXPERIMENTS/ *ANTIGENS/ AUTOANTIBODIES/ CELL COUNT/ EPIDIDYMIS, cytology/ FEMALE/ *FERTILITY/ FLUORESCENT ANTIBODY TECHNIC/ *FREUND'S ADJUVANT/ GAMMA GLOBULIN/ GUINEA PIGS/ *IMMUNIZATION/ MALE/ PREGNANCY/ RABBITS, immunology/ SPERMATOZOA, immunology/ *TESTIS, immunology

1905. **Käosaar ME, Mikelsaar AV:** Chromosome investigation in married couples with repeated spontaneous abortions. Humangenetik 17:277-83, 1973
*ABORTION, HABITUAL, familial & genetic/ ADULT/ CHROMOSOME ABNORMALITIES/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ PREGNANCY/ SEX CHROMOSOMES

1906. **Kaplan JC, Pichard AL, Laudat MH, et al:** Kinetic and electrophoretic abnormality of cyclic AMP phosphodiesterase in genetically obese mouse adipocytes.
Biochem Biophys Res Commun 51:1008-14, 16 Apr 7
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, analysis/ *ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ ELECTROPHORESIS, STARCH GEL/ KINETICS/ MICE/ *OBESITY, enzymology/ OBESITY, pathology/ *PHOSPHODIESTERASES, metaholism

1907. **Kaplan SA:** Cyclic AMP.
Am J Dis Child 125:646-7, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5 MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis ADENOSINE CYCLIC 3',5' MONOPHOSPHATE pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN

1908. **Kaplanski J, Smelik PG:** Pituitary-adrenal activity an depletion of brain catecholamines after centr administration of 6-hydroxydopamine.
Res Commun Chem Pathol Pharmacol 5:263-71, Mar
ADRENAL CORTEX HORMONES, secretion/ *ADRENAL GLANDS, drug effects/ ADRENA GLANDS, secretion/ ANIMAL EXPERIMENTS *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ CORTICOSTERONE, blood/ DOPAMINE, analysis/ FLUOROMETRY/ *HYDROXYDOPAMINE, pharmacodynamics/ I VITRO/ MALE/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ *PITUITARY GLAND, dru effects/ RATS/ RATS, INBRED STRAINS

1909. **Kapor-Stanulović N, Berić B:** Family planning Yugoslavia with special reference to the province Vojvodina. J Biosoc Sci 5:179-85, Apr 73
ABORTION, CRIMINAL/ ABORTION, LEGAL BIRTH RATE/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ DEMOGRAPHY/ *FAMILY PLANNING/ FERTILITY/ HUMAN YUGOSLAVIA

1910. **Kapronczay K, Szemkeö E:** Vladimir Valerjanovi Podviszockij (1857-1913.
Orv Hetil 114:814-5, 8 Apr 73 (Hu
ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ PATHOLOGY, history/ RUSSIA (PRE-1917)

1911. **Karam KS, Taymor ML, Berger MJ:** Estroge monitoring and the prevention of ovarian overstimulation during gonadotropin therapy.
Am J Obstet Gynecol 115:972-7, 1 Apr 73
*AMENORRHEA, drug therapy/ ASCITES,

chemically induced/ *ESTROGENS, urine/ FEMALE/ HUMAN/ MENOTROPINS, adverse effects/ *MENOTROPINS, therapeutic use/ OVARIAN DISEASES, chemically induced/ *OVARY, drug effects/ OVULATION, drug effects/ PREGNANCY/ PREGNANCY, MULTIPLE/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL/ TRIPLETS/ TWINS/ VAGINAL SMEARS

1912. **Kärcher KH, Messeritsch M, Bardach G, et al:** Indikationen und Grenzen der endolymphatischen Therapie beim Melanom und Seminom.
Strahlentherapie [Sonderh] 72:261-72, 1972 (Ger)
ADULT/ *DISGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INJECTIONS, INTRALYMPHATIC/ *LYMPHATIC METASTASIS, radiotherapy/ MALE/ *MELANOMA, radiotherapy/ PHOSPHORUS ISOTOPES, therapeutic use/ SKIN NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, radiotherapy

1913. **Karlberg BE, Almqvist S:** Clinical experience with the thyrotrophin releasing hormone (TRH) stimulation test in patients with thyroid, pituitary and hypothalamic disorders.
Acta Endocrinol (Khh) 72:697-713, Apr 73
ACROMEGALY, metabolism/ ADENOMA, CHROMOPHOBE, metabolism/ DIAGNOSIS, DIFFERENTIAL/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPOTHALAMUS, metabolism/ HYPOTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, metabolism/ INSULIN, diagnostic use/ IODINE ISOTOPES/ PITUITARY DISEASES, diagnosis/ *PITUITARY DISEASES, metabolism/ PITUITARY NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, biosynthesis/ THYROTROPIN, physiology/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, pharmacodynamics

1914. **Karlson P, Sekeris CE:** Wirkungsmechanismus der Steroidhormone.
Dtsch Med Wochenschr 98:831-5, 20 Apr 73 (45 ref.) (Ger)
ADRENAL CORTEX HORMONES, pharmacodynamics/ DNA/ ECDYSONE, pharmacodynamics/ ESTRADIOL/ ESTROGENS, pharmacodynamics/ *HORMONES, pharmacodynamics/ HUMAN/ POLYRIBOSOMES/ PROGESTERONE, pharmacodynamics/ RECEPTORS, HORMONE/ REVIEW/ RNA, biosynthesis/ RNA POLYMERASE/ STEROIDS, pharmacodynamics/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC

1915. **Karpenko A:** Teratomy mozku v dětském věku.
Cesk Patol 9:37-41, Feh 73 (Cze)
AUTOPSY/ BRAIN NEOPLASMS, classification/ *BRAIN NEOPLASMS, pathology/ CEREBRAL VENTRICLES, pathology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HISTOLOGICAL TECHNICS/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PINEAL BODY, pathology/ TERATOID TUMOR, classification/ *TERATOID TUMOR, pathology

1916. **Karsch FJ, Dierschke DK, Weick RF, et al:** Positive and negative feedback control by estrogen of luteinizing hormone secretion in the rhesus monkey.
Endocrinology 92:799-804, Mar 73
ANIMAL EXPERIMENTS/ CAPSULES/ CASTRATION/ ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ *FEEDBACK/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ MACACA/ MONKEYS/ OVARY, physiology

1917. **Karten HJ, Dubbeldam JL:** The organization and projections of the paleostriatal complex in the pigeon (Columba livia). J Comp Neurol 148:61-89, 1 Mar 73
ACETYLCHOLINESTERASE, metabolism/ ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CAUDATE NUCLEUS, anatomy & histology/ CHOLINESTERASE, metabolism/ GANGLIA, BASAL, anatomy & histology/ *GLOBUS PALLIDUS, anatomy & histology/ GLOBUS PALLIDUS, enzymology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, anatomy & histology/ MAMMALS/ NERVE DEGENERATION/ *PIGEONS, anatomy & histology/ TELENCEPHALON, anatomy & histology/ THALAMUS, anatomy & histology

1918. **Karunakaran ME, Pochi PE, Strauss JS, et al:** Androgens in skin surface lipids.
J Invest Dermatol 60:121-5, Mar 73
ADULT/ *ANDROGENS, analysis/ BACK/ CHROMATOGRAPHY, GAS/ FACE/ HUMAN/ *LIPIDS, analysis/ MALE/ METHODS/ SCALP/ *SEBACEOUS GLANDS, secretion/ *SEBUM, analysis/ SKIN/ THIGH/ TRITIUM

1919. **Kashulina AP, Rybakova LI:** Izuchenie C-kletok shchitovidnoĭ zhelezy drys pri induktsii opukholeĭ.
Vopr Onkol 18:62-4, 1972 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MALE/ METHYLCHOLANTHRENE/ RATS/ SARCOMA, EXPERIMENTAL, chemically induced/ SARCOMA, EXPERIMENTAL, metabolism/ *SARCOMA, EXPERIMENTAL, pathology/ THYROID GLAND, metabolism/ *THYROID GLAND, pathology/ THYROID NEOPLASMS, chemically induced/ THYROID NEOPLASMS, metabolism/ *THYROID NEOPLASMS, pathology

1920. **Kass MA, Becker B, Kolker AE:** Glaucomatocyclitic crisis and primary open-angle glaucoma.
Am J Ophthalmol 75:668-73, Apr 73
ACUTE DISEASE/ ADULT/ AGED/ AQUEOUS HUMOR, physiology/ DEXAMETHASONE, therapeutic use/ FEMALE/ GLAUCOMA, drug therapy/ *GLAUCOMA, physiopathology/ HUMAN/ INTRAOCULAR PRESSURE/ INTRAOCULAR PRESSURE, drug effects/ MALE/ MIDDLE AGE/ RECURRENCE/ TONOMETRY/ VISUAL ACUITY/ VISUAL FIELDS

1921. **Kassab M, Zohdy A, Tawab SA:** The changes in the serotonin (5-hydroxytryptamine) content of kidney tissue and urine under the influence of diuretic drugs after treatment with monoamineoxidase inhibitors.
J Egypt Med Assoc 55:502-11, 1972
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *DIURETICS, pharmacodynamics/ DIURETICS, MERCURIAL, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ HYDROCHLOROTHIAZIDE, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ *NIALAMIDE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, urine/ STIMULATION, CHEMICAL

1922. **Kästli P:** Der Einfluss von Ostrogenen und hypophysären Gonadotropinen auf die Milch.
Wien Tieraerztl Monatsschr 60:43-6, Feb-Mar 73 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GONADOTROPINS, PITUITARY, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ LACTATION, drug effects/ *MILK, drug effects/ SURFACE TENSION

1923. **Kastner H, Holzer E:** Zytologische Portiobefunde unter ovulationshemmender Medikation.
Wien Klin Wochenschr 85:175-8, 16 Mar 73 (Ger)
CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, pathology/ *CERVIX UTERI, cytology/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ TIME FACTORS/ *VAGINAL SMEARS

1924. **Kato J:** Localization of oestradiol receptors in the rat hypothalamus.
Acta Endocrinol (Kbh) 72:663-70, Apr 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM/

*ESTRADIOL/ ESTRADIOL, physiology/ FEEDBACK/ FEMALE/ *HYPOTHALAMUS/ OVARY, physiology/ RATS/ *RECEPTORS, HORMONE/ TRITIUM

1925. **Katz AI, Lindheimer MD:** Renal sodium- and potassium-activated adenosine triphosphatase and sodium reabsorption in the hypothyroid rat.
J Clin Invest 52:796-804, Apr 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ FEMALE/ GLUCOSEPHOSPHATASE, metabolism/ HYPERTHYROIDISM, enzymology/ HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, enzymology/ HYPOTHYROIDISM, metabolism/ IODINE ISOTOPES/ KIDNEY, cytology/ *KIDNEY, enzymology/ KIDNEY TUBULES, metabolism/ METHYLPREDNISOLONE, pharmacodynamics/ MICROSOMES, enzymology/ NEPHRECTOMY/ NUCLEOTIDASES, metabolism/ POTASSIUM/ RATS/ SODIUM/ *SODIUM, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics

1926. **Katz FH, Romfh P, Zimmering PE, et al:** Radioimmunoassay of plasma aldosterone: effect of sexual differences and increasing duration of upright posture. Steroids Lipids Res 3:90-100, 1972
ALDOSTERONE/ *ALDOSTERONE, blood/ ALDOSTERONE, isolation & purification/ BINDING SITES, ANTIBODY/ CATTLE/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ NATRIURESIS/ *POSTURE/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SEX FACTORS/ SHEEP, immunology/ SODIUM, administration & dosage/ SUCCINATES/ TIME FACTORS/ TRITIUM

1927. **Katz S, Rotemberg R:** Alfa-fetoproteina serica y cáncer df hígado.
Acta Gastroenterol Latinoam 4:117-8, Jul-Sep 72 (Spa)
AGE FACTORS/ *FETAL GLOBULINS, analysis/ *HEPATOMA, blood/ HUMAN/ *LIVER NEOPLASMS, blood/ OVARIAN NEOPLASMS, blood/ RACIAL STOCKS/ SEX FACTORS/ TERATOID TUMOR, blood/ TESTICULAR NEOPLASMS, blood

1928. **Katzen M:** Conn's syndrome.
S Afr J Surg 10:183-4, Sep 72
ADRENALECTOMY/ CASE REPORT/ HUMAN/ *HYPERALDOSTERONISM, surgery/ MALE/ MIDDLE AGE

1929. **Katzen M:** Undescended testes.
S Afr Med J 47:465, 17 Mar 73
AGE FACTORS/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ HUMAN/ INFANT/ MALE/ POSTOPERATIVE COMPLICATIONS

1930. **Kaufman B, Chamberlin WB Jr:** The ubiquitous "empty" sella turcica.
Acta Radiol [Diagn] (Stockh) 13:413-25, 1972
ADULT/ AGED/ AUTOPSY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, pathology/ PITUITARY DISEASES, radiography/ *PITUITARY GLAND, pathology/ PITUITARY GLAND, radiography/ PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA, pathology/ SELLA TURCICA, radiography/ SUBARACHNOID SPACE, pathology

1931. **Kaufman HW, Kleinberg I:** X-ray diffraction examination of calcium phosphate in dental plaque.
Calcif Tissue Res 11:97-104, 19 Feb 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ APATITES/ CALCIFICATION, PHYSIOLOGIC/ *CALCIUM PHOSPHATES, analysis/ CHILD/ CRYSTALLIZATION/ *DENTAL PLAQUE, metabolism/ DIALYSIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INCISOR/ MANDIBLE/ MAXILLA/ SALIVA/ TIME FACTORS/ X-RAY DIFFRACTION

1932. **Kaufman MH:** Parthenogenesis in the mouse.
Nature 242:475-6, 13 Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HYALURONIDASE, pharmacodynamics/ MICE/ OVULATION, drug effects/ OVUM, drug effects/ *PARTHENOGENESIS, drug effects/ TIME FACTORS

1933. **Kaufman SL, Frederickson R:** Thyroid-binding globulin deficiency in a patient with Beckwith's syndrome.
Calif Med 118:63-6, Apr 73
*ABNORMALITIES, MULTIPLE, complications/ *ADRENAL GLAND DISEASES, complications/ *DEFICIENCY DISEASES, complications/ HUMAN/ INFANT, NEWBORN/ *KIDNEY DISEASES, complications/ PROTEIN BINDING/ *THYROGLOBULIN/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital/ UMBILICUS, abnormalities

1934. **Kaulen-Becker L:** Orale floride Papillomastose.
Z Haut Geschlechtskr 48:Suppl:1-3, 1 Jan 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *LIP NEOPLASMS, drug therapy/ MALE/ *METHOTREXATE, therapeutic use/ *MOUTH NEOPLASMS, drug therapy/ MOUTH NEOPLASMS, surgery/ NEOPLASM RECURRENCE, LOCAL/ *PAPILLOMA, drug therapy/ PAPILLOMA, surgery

1935. **Kawalec M:** Działanie witaminy D-3 i jej metabolitów na transport wapnia.
Postepy Hig Med Dosw 27:113-24, Jan-Feb 73 (Pol)
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CHEMISTRY/ CHOLECALCIFEROL, metabolism/ *CHOLECALCIFEROL, pharmacodynamics/ ENGLISH ABSTRACT/ EPITHELIUM, drug effects/ HUMAN/ INTESTINAL ABSORPTION/ TIME FACTORS

1936. **Kay S:** Primary hyperparathyroidism as observed over a 22-year period.
Arch Pathol 95:256-9, Apr 73
ADENOMA, diagnosis/ *ADENOMA, pathology/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ FOLLOW-UP STUDIES/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, pathology/ MICROTOMY/ NEOPLASMS, MULTIPLE PRIMARY/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, diagnosis/ *PARATHYROID NEOPLASMS, pathology

1937. **Kaye GI, Fenoglio CM, Pascal RR, et al:** Comparative electron microscopic features of normal, hyperplastic, and adenomatous human colonic epithelium. Variations in cellular structure relative to the process of epithelial differentiation.
Gastroenterology 64:926-45, May 73
*ADENOMA, pathology/ CELL NUCLEOLUS/ CHROMAFFIN SYSTEM/ *COLON, cytology/ *COLONIC DISEASES, pathology/ *COLONIC NEOPLASMS, pathology/ CYTOPLASM/ EPITHELIAL CELLS/ HUMAN/ HYPERPLASIA, pathology/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, pathology/ INTESTINAL POLYPS, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA

1938. **Kaye MD, Jones WR, Ing RM:** Effect of human chorionic gonadotropin on intrauterine skin graft survival in F-hybrid rats.
Am J Obstet Gynecol 116:39-42, 1 May 73
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GRAFT REJECTION, drug effects/ RATS/ *SKIN, transplantation/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY/ UTERUS

1939. **Kaynan A, Ben-Ari GY, Dreiling DA:** The effect

thyroidectomy on pancreatic exocrine secretion. Am J Gastroenterol 59:336-9, Apr 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHOLESTEROL, blood/ DOGS/ *PANCREAS, secretion/ PANCREATIC JUICE, secretion/ PANCREOZYMIN, secretion/ PROTEIN-BOUND IODINE TEST/ SECRETIN, secretion/ *THYROIDECTOMY

1940. **Kaynan A, Ben-Ari GY, Dreiling DA:** The effect of thyroidectomy on pancreatic exocrine secretion. Am J Gastroenterol 59:336-9, Apr 73
ANIMAL EXPERIMENTS/ BICARBONATES, secretion/ CALCIUM, blood/ CHOLESTEROL, blood/ DOGS/ PANCREAS, analysis/ PANCREAS, metabolism/ *PANCREAS, secretion/ PANCREATITIS, etiology/ *PANCREOZYMIN, secretion/ SECRETIN, secretion/ *THYROIDECTOMY

1941. **Keaney NP, McDowall DG, Turner JM, et al:** The time course of cerebral circulatory and metabolic changes with Althesin. Br J Anaesth 45:117-8, Jan 73
ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BABOONS/ BLOOD PRESSURE, drug effects/ *BRAIN, metabolism/ *CEREBROVASCULAR CIRCULATION, drug effects/ DRUG COMBINATIONS/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MONKEYS/ *PREGNANES, pharmacodynamics/ TECHNETIUM/ TIME FACTORS

1942. **Kedra M, Kedrowa S, Rzesniowiecka G:** Attività della renina plasmatica nell'infarto miocardico. Minerva Med 64:395-8, 24 Feb 73 (Ita)
ADULT/ AGED/ ARRHYTHMIA, etiology/ CATECHOLAMINES, blood/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEMODYNAMICS/ HUMAN/ JUXTAGLOMERULAR APPARATUS, physiopathology/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, complications/ *MYOCARDIAL INFARCT, physiopathology/ PULMONARY EDEMA, etiology/ *RENIN, blood/ SHOCK, CARDIOGENIC, etiology

1943. **Kędrowa S, Koziara Z:** Aktywność reniny w osoczu oraz wydalanie katecholamin i kwasu wanilinomigdałowego z moczem u chorych na zawał serca. Pol Tyg Lek 28:276-9, 19 Feb 73 (Pol)
ADULT/ AGED/ *CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, blood/ *MYOCARDIAL INFARCT, metabolism/ MYOCARDIAL INFARCT, urine/ *RENIN, blood/ *VANILMANDELIC ACID, urine

1944. **Kee WF, Tee QS:** Singapore: a cost-effect analysis of a family planning program. Stud Fam Plann 3:8-11, Jan 72
CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ COSTS AND COST ANALYSIS/ *FAMILY PLANNING/ *FINANCING, GOVERNMENT/ *FINANCING, ORGANIZED/ HUMAN/ INTRAUTERINE DEVICES/ SINGAPORE

1945. **Keeler RF:** Comparison of the teratogenicity in rats of certain potato-type alkaloids and the veratrum teratogen cyclopamine. Lancet 813:1187-8, 23 May 73
*ABNORMALITIES, DRUG-INDUCED/ *ALKALOIDS, toxicity/ ANIMAL EXPERIMENTS/ FEMALE/ FURANS, toxicity/ FUROSTANS, toxicity/ GLYCOSIDES, toxicity/ *PIPERIDINES, toxicity/ PREGNANCY/ PYRIDINES, toxicity/ RATS/ SPIRO COMPOUNDS, toxicity/ STEROIDS, toxicity/ VEGETABLES/ *VERATRUM, toxicity

1946. **Keen P, McLean WG:** Effect of dibutyryl cyclic-AMP on levels of dopamine- -hydroxylase in isolated superior cervical ganglia. Naunyn Schmiedebergs Arch Pharmacol 275:465-9, 29 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ COLD/ CYCLOHEXIMIDE, pharmacodynamics/ *DOPAMINE BETA HYDROXYLASE, metabolism/ GANGLIA, AUTONOMIC, drug effects/ *GANGLIA, AUTONOMIC, enzymology/ *GANGLIA, AUTONOMIC, metabolism/ HALF-LIFE/ IN VITRO/ MALE/ NECK/ RATS

1947. **Keen P, McLean WG:** The effect of N6,O2'-dibutyryl adenosine 3':5'-cyclic monophosphate on noradrenaline synthesis in isolated superior cervical ganglia. Br J Pharmacol 46:529P-530P, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *GANGLIA, AUTONOMIC, drug effects/ GANGLIA, AUTONOMIC, metabolism/ IN VITRO/ NECK/ *NOREPINEPHRINE, biosynthesis/ RATS/ THEOPHYLLINE, pharmacodynamics/ TYROSINE, metabolism

1948. **Keene JJ:** Opposite medial thalamic unit responses to rewarding and aversive brain stimulation. Exp Neurol 39:19-35, Apr 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ ELECTRIC STIMULATION/ ESCAPE REACTION/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ INHIBITION, NEURAL/ PAIN/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *RETICULAR FORMATION, physiology/ *REWARD/ SELF STIMULATION/ THALAMIC NUCLEI, physiology/ THALAMUS, physiology

1949. **Keesey RE, Powley TL:** Self-stimulation and body weight in rats with lateral hypothalamic lesions. Am J Physiol 224:970-8, Apr 73
ANIMAL EXPERIMENTS/ *BODY WEIGHT/ DIET/ ELECTRIC STIMULATION/ FEEDING BEHAVIOR/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, BIOLOGICAL/ RATS/ REWARD/ *SELF STIMULATION

1950. **Kehlet H, Binder C:** Value of an ACTH test in assessing hypothalamic-pituitary-adrenocortical function in glucocorticoid-treated patients. Br Med J 2:147-9, 21 Apr 73
*ADRENAL GLANDS, physiopathology/ *CORTICOTROPIN, diagnostic use/ GLUCOCORTICOIDS, blood/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYPOTHALAMUS, physiopathology/ *PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, physiopathology/ PREDNISONE, blood/ SURGERY, OPERATIVE/ TIME FACTORS

1951. **Keill RH, Keltzer WF, Nichols WK, et al:** Abdominal wound dehiscence. Arch Surg 106:573-7, Apr 73
*ABDOMEN, surgery/ *ABDOMINAL WALL, surgery/ AGE FACTORS/ ANEMIA, complications/ BILIARY TRACT DISEASES, surgery/ BLOOD PROTEINS/ COLONIC NEOPLASMS, surgery/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFLAMMATION/ JAUNDICE, complications/ MALE/ MIDDLE AGE/ NEGROES/ OBESITY, complications/ PEPTIC ULCER, surgery/ RETROSPECTIVE STUDIES/ SEX FACTORS/ STOMACH NEOPLASMS, surgery/ *SURGICAL WOUND DEHISCENCE, etiology/ SURGICAL WOUND INFECTION, complications/ SUTURE TECHNICS/ VASCULAR SURGERY

1952. **Keim KL, Sigg EB:** Vagally mediated cardiac reflexes and their modulation by diazepam and pentobarbital. Neuropharmacology 12:319-25, Apr 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CATS/ DIAZEPAM, administration & dosage/ *DIAZEPAM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FEMALE/ *HEART RATE, drug effects/ HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE, pharmacodynamics/

RESPIRATION, ARTIFICIAL/ SPINAL CORD,

1953. **Keiser H, Sandson J:** Immunology of cartilage proteoglycan. Fed Proc 32:1474-7, Apr 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIGENIC DETERMINANTS/ *CARTILAGE, immunology/ CARTILAGE, ARTICULAR, immunology/ CATTLE/ CROSS REACTIONS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ HYALURONIDASE/ IMMUNE SERUMS/ *MUCOPOLYSACCHARIDES, analysis/ OSTEOARTHRITIS, immunology/ RABBITS/ SPECIES SPECIFICITY/ STAINS AND STAINING/ SWINE/ TESTIS, enzymology

1954. **Keitel W, Papenfuss M:** Untersuchungen zur Bewegungsfunktion und Progredienz bei der Rbeumatoiden Artbritis.
Z Rbeumaforsch 32:40-6, Jan-Feb 73 (Ger)
AGE FACTORS/ *ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ BLOOD SEDIMENTATION/ BODY WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MOVEMENT/ PREDNISOLONE, therapeutic use/ REMISSION/ RHEUMATOID FACTOR/ TIME FACTORS

1955. **Kelch RP, Kaplan SL, Ghumbach MM:** Suppression of urinary and plasma follicle-stimulating hormone by exogenous estrogens in prepubertal and pubertal children. J Clin Invest 52:1122-8, May 73
ADOLESCENCE/ CHILD/ DEPRESSION, CHEMICAL/ ESTRADIOL, pbarmacodynamics/ *ESTROGENS, pbarmacodynamics/ ESTRONE, blood/ ETHINYL ESTRADIOL, pbarmacodynamics/ FEEDBACK/ FEMALE/ FSH, blood/ *FSH, secretion/ FSH, urine/ GROWTH DISORDERS, physiopathology/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, blood/ LH, secretion/ LH, urine/ MALE/ *PUBERTY/ RADIOIMMUNOASSAY

1956. **Kellen JA, Lo JS:** Localization of I 125 labelled antibodies against tumour-associated proteins from experimental rat mammary neoplasms.
Res Commun Cbem Pathol Pharmacol 5:411-20, Mar 73
ANIMAL EXPERIMENTS/ *ANTIBODIES, NEOPLASM, analysis/ ANTIGENS, NEOPLASM/ CHLORAMINES/ CROSS REACTIONS/ FEMALE/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ *MAMMARY NEOPLASMS, EXPERIMENTAL, immunology/ *NEOPLASM PROTEINS, analysis/ OVARY, analysis/ PROTEIN-BOUND IODINE TEST/ RABBITS, immunology/ RATS/ RATS, INBRED STRAINS/ SPLEEN, analysis

1957. **Keller PJ:** A pituitary function test with synthetic LH-releasing bormone.
J Obstet Gynaecol Br Commonw 80:72-4, Jan 73
ADULT/ AMENORRHEA, etiology/ CLOMIPHENE, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pbarmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LH/ LH, blood/ MENOTROPINS, pbarmacodynamics/ OVULATION, drug effects/ *PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONE RELEASING FACTORS, administration & dosage/ *PITUITARY HORMONE RELEASING FACTORS, diagnostic use/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, etiology/ TIME FACTORS

1958. **Kelleter R, Feldmann H:** Rhinosklerom mit tracbeobronchialer Ausbreitung.
Dtscb Med Wocbenschr 98:499-503, 9 Mar 73 (Ger)
*ANTITUBERCULAR AGENTS,

ABSTRACT/ ETHAMBUTOL, thera
MIDDLE AGE/ RHINITIS, diagnos
RHINOSCLEROMA, diagnosis/ *RHINOSCLEROMA, drug therapy/ RHINOSCLEROMA, patbology/ RIFAMPIN, therapeutic use/ STREPTOMYCIN, therapeutic use/ VITAMIN D, therapeutic use

1959. **Kelly JD:** Mechanisms of immunity to intestinal helminths. Aust Vet J 49:91-7, Feb 73 (95 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS/ BINDING SITES, ANTIBODY/ BIOGENIC AMINES, secretion/ CELL MEMBRANE, immunology/ FEMALE/ *HELMINTHIASIS, immunology/ IGA/ IGD/ IGE/ IGG/ IGM/ *IMMUNITY/ IMMUNITY, CELLULAR/ LACTATION/ T-LYMPHOCYTES, immunology/ MAST CELLS, secretion/ PREGNANCY/ REVIEW

1960. **Kelly RC, VanRheenen V, Schletter I, et al:** Prostaglandin syntbesis. I. An improved synthesi through bicyclo(3.1.0)hexane intermediates.
J Am Chem Soc 95:2746-7, 18 Apr 73
BRIDGED COMPOUNDS/ CYCLOHEXANE/ METHODS/ *PROSTAGLANDINS, chem synthesis/ STEREOISOMERS

1961. **Kempf E, Greilsamer J, Mack G, et al:** Turnover of brai adrenergic transmitters in Quaking mice.
J Neurochem 20:1269-73, Apr 73
ANIMAL EXPERIMENTS/ *BRAIN, metaholism/ DOPAMINE, metaholism/ METHYLTYROSINES, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ MUTATION NOREPINEPHRINE, metaholism/ PARGYLINE, pharmacodynamics/ SEROTONIN, metabolism/ *SYMPATHOMIMETICS, metabolism/ TIME FACTORS

1962. **Kendall MJ, Lawrence DS, Shuttleworth GR, et a** Haematology and biocbemistry of ankylosing spondylitis. Br Med J 2:235-7, 28 Apr 73
ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ ARTHRITIS, RHEUMATOID, blood/ ARTHRITIS, RHEUMATOID, enzymology/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD SEDIMENTATION/ BONE AND BONES, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GLUTAMYL TRANSPEPTIDASE, blood/ HEMOGLOBINOMETRY/ HUMAN/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ NUCLEOTIDASES, blood/ PAIN/ SERUM ALBUMIN/ SERUM GLOBULINS/ *SPONDYLITIS, ANKYLOSING, blood/ SPONDYLITIS, ANKYLOSING, enzymology/ SPONDYLITIS, ANKYLOSING, radiography

1963. **Kennedy TG, Armstrong DT:** Lack of specificity for t extra-ovarian prolactin effect on vaginal mucificati in rats. Endocrinology 92:847-52, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ *CORTICOTROPIN, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ NEURAMINIC ACIDS, analysis/ *PLACENTAL LACTOGEN, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ RATS/ *SOMATOTROPIN pharmacodynamics/ VAGINA, analysis/ *VAGINA, drug effects

1964. **Kent JR, Bischoff AJ, Arduino LJ, et al:** Estrog dosage and suppression of testosterone levels i patients with prostatic carcinoma.
J Urol 109:858-60, May 73
CARCINOMA, blood/ *CARCINOMA, drug tberapy/ DEPRESSION, CHEMICAL/ *DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, tberapeutic use/ HUMAN/ MALE/ PLACEBOS/ PROSTATIC NEOPLASMS, blood/ *PROSTATIC NEOPLASMS, drug therapy/

RADIOIMMUNOASSAY/ *TESTOSTERONE, blood

1965. **Kepp R:** Präoperative Unterdrückung der Menstruationsblutung.
Dtsch Med Wochenschr 98:745, 6 Apr 73 (Ger)
DRUG COMBINATIONS/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION/ MENSTRUATION, drug effects/ *PREOPERATIVE CARE/ PROGESTATIONAL HORMONES, pharmacodynamics/ SURGERY, OPERATIVE/ TIME FACTORS

1966. **Kern F, Hoffman WH, Hambrick GW Jr, et al:** Alopecia areata. Immunologic studies and treatment with prednisone. Arch Dermatol 107:407-12, Mar 73
ADOLESCENCE/ ADRENAL GLANDS, immunology/ ADULT/ ALOPECIA AREATA, drug therapy/ *ALOPECIA AREATA, immunology/ *ANTIBODIES, analysis/ CHILD/ CHILD, PRESCHOOL/ COMPLEMENT FIXATION TESTS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GASTRIC MUCOSA, immunology/ GOATS, immunology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPERSENSITIVITY, DELAYED, diagnosis/ IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ SEX FACTORS/ THYROID GLAND, immunology

1967. **Kerr GR, Tyson IB, Allen JR, et al:** Deficiency of thyroid hormone and development of the fetal rhesus monkey. I. Effect on physical growth, skeletal maturation and biochemical measures of thyroid function. Biol Neonate 21:282-95, 1972
ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ *HYPOTHYROIDISM, embryology/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES/ MACACA, embryology/ METHODS/ MONKEYS/ ORGAN WEIGHT/ PREGNANCY/ THYROID GLAND, physiology/ THYROID HORMONES, analysis/ *THYROID HORMONES, metabolism/ TIME FACTORS

1968. **Kertsman VI, Kazeev KN, Kuratev LV, et al:** Sluchaĭ odnovremennoĭ dvustoronneĭ total'noĭ adrenalektomii v sochetanii s pielolitotomieĭ u bol'nogo bolezny Itsenko-Kushinga.
Probl Endokrinol (Mosk) 19:53-4, Jan-Feb 73 (Rus)
ADRENALECTOMY/ ADULT/ CUSHING'S SYNDROME, complications/ *CUSHING'S SYNDROME, surgery/ HUMAN/ KIDNEY CALCULI, complications/ *KIDNEY CALCULI, surgery/ KIDNEY PELVIS, surgery/ MALE

1969. **Kéry L, Lénárt G, Szász I:** Effect of diaphyseal surgery on radioactivity in the zone of growth of long bones. Experimental study.
Acta Chir Acad Sci Hung 13:259-67, 1972
ANIMAL EXPERIMENTS/ *BONE AND BONES, physiology/ BONE AND BONES, radiation effects/ *BONE DEVELOPMENT, radiation effects/ FEMUR, growth & development/ RABBITS/ *RADIATION EFFECTS/ STRONTIUM ISOTOPES/ TIBIA, growth & development

1970. **Keyser A:** The development of the diencephalon of the Chinese hamster. An investigation of the validity of the criteria of subdivision of the brain.
Acta Anat (Basel) 83:Suppl 59:1-178, 1972
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DIENCEPHALON, embryology/ *DIENCEPHALON, growth & development/ GESTATIONAL AGE/ *HAMSTERS, growth & development/ HYPOTHALAMUS, growth & development/ MESENCEPHALON, growth & development/ METHODS/ MORPHOGENESIS/ NEURONS

1971. **Kheifets SN, Rep'eva KA:** O lechenii rasstroistv menstrual'noi funktsii i zhenskogo besplodiia endokrinnogo proiskhozhdeniia khlortrianizenom.
Akush Ginekol (Mosk) 49:36-40, Jan 73 (Rus)
ADOLESCENCE/ ADULT/ *CHLOROTRIANISENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *MENSTRUATION DISORDERS, drug therapy/ PITUITARY-ADRENAL FUNCTION TESTS/ *STERILITY, FEMALE, drug therapy/ VAGINAL SMEARS

1972. **Khliobok VI:** Imunolohichna reaktsiia na honadotropin lak test vyznachenia vahitnosti.
Pediatr Akush Ginekol 5:43-5, Oct 72 (Ukr)
FEMALE/ *GONADOTROPINS, urine/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ PREGNANCY/ *PREGNANCY TESTS/ RABBITS/ RABBITS, immunology

1973. **Khmel'ko AG:** Vpiyv adrenalinu na aktyvist' depolimeraz nukleinovykh kyslot okremykh dilianok holovnoho mozku adrenalektomavnykh kroiykiv.
Fiziol Zh 18:821-5, Nov-Dec 72 (Ukr)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ DEOXYRIBONUCLEASE, physiology/ *EPINEPHRINE, pharmacodynamics/ LIVER, enzymology/ PROTEINS, analysis/ RABBITS/ *RIBONUCLEASE, physiology

1974. **Khmel'nitskiĭ OK, Medvedev IuA:** Patologoanatomicheskie aspekty obshchego adaptatsionnogo sindroma.
Arkh Patol 34:62-72, 1972 (148 ref.) (Rus)
ACUTE DISEASE/ ADRENAL GLANDS, pathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, pathology/ KIDNEY FAILURE, ACUTE, etiology/ LIVER DISEASES, etiology/ LYMPH NODES, pathology/ LYMPHATIC DISEASES, etiology/ MALE/ MIDDLE AGE/ MYOCARDIAL DISEASES, SECONDARY, etiology/ OVARY, pathology/ PANCREAS, pathology/ PAROTID GLAND, pathology/ PINEAL BODY, pathology/ PITUITARY GLAND, pathology/ REVIEW/ SHOCK, etiology/ STRESS, complications/ STRESS, metabolism/ *STRESS, pathology/ TESTIS, pathology/ THYMUS GLAND, pathology/ THYROID GLAND, pathology/ ULCER, etiology

1975. **Khodzhaev ZP:** Osobennosti techeniia zakrytoĭ cherepno-mozgovoĭ travmy v usloviiakh vysokogor'ia.
Vopr Neirokhir 36:21-5, Nov-Dec 72 (Rus)
ACUTE DISEASE/ ADAPTATION, PHYSIOLOGICAL/ *ALTITUDE/ ANIMAL EXPERIMENTS/ ANOXIA, complications/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ BLOOD PRESSURE/ BRAIN INJURIES, ACUTE, complications/ *BRAIN INJURIES, ACUTE, diagnosis/ BRAIN INJURIES, ACUTE, metabolism/ BRAIN INJURIES, ACUTE, occurrence/ BRAIN INJURIES, ACUTE, physiopathology/ CALCIUM, metabolism/ DOGS/ ENGLISH ABSTRACT/ GEOGRAPHY/ HEAD INJURIES, complications/ HEAD INJURIES, diagnosis/ HEAD INJURIES, metabolism/ HEAD INJURIES, occurrence/ HEAD INJURIES, physiopathology/ HUMAN/ POTASSIUM, metabolism/ PULSE/ RESPIRATION/ *SKULL, injuries/ SODIUM, metabolism/ TADZHIKISTAN

1976. **Khudr G:** Cytogenetics of reproductive failure.
J Med Liban 25:349-55, 1972 (23 ref.)
ABORTION, THERAPEUTIC/ CHROMOSOME ABERRATIONS/ *CYTOGENETICS/ FEMALE/ HERMAPHRODITISM, familial & genetic/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MOSAICISM/ POLYPLOIDY/ PREGNANCY/ REVIEW/ STAINS AND STAINING/ *STERILITY, familial & genetic

1977. **Khudr G, Benirschke K:** Y-fluorescence in formalin-fixed tissues. Lancet 1:769-70, 7 Apr 73

FEMALE/ *FLUORESCENCE/ *FORMALDEHYDE/ HUMAN/ METHODS/ PREGNANCY/ PRENATAL DIAGNOSIS/ *SEX CHROMATIN/ SEX DETERMINATION

1978. Kiefer H: Angiographie bei Nierenund Nebennierentumoren.
Med Welt 24:319-23, 2 Mar 73 (Ger)
*ADRENAL GLAND NEOPLASMS, radiography/ ANGIOGRAPHY/ HUMAN/ *KIDNEY NEOPLASMS, radiography/ METHODS

1979. Kierszenbaum AL, Mancini RE: Structural changes manifested by Sertoli cells during experimental allergic orchitis in guinea-pigs.
J Reprod Fertil 33:119-22, Apr 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ GUINEA PIGS/ *HYPERSENSITIVITY/ LIPIDS/ LYSOSOMES/ MALE/ ORCHITIS, immunology/ *ORCHITIS, pathology/ PHAGOCYTOSIS/ PLASMA CELLS/ *SERTOLI CELLS/ SPERMATOZOA/ STAINS AND STAINING/ TESTIS, pathology

1980. Kifor E, Werle E: Beiträge zur Untersuchung der Wirkung von Trasylol. II. Einfluss von Trasylol und Prednisolon auf die Kininogenkonzentration im Peritonealexsudat von Goldhamstern.
Blut 26:141-5, Feb 73 (Ger)
ANIMAL EXPERIMENTS/ ASCITIC FLUID, drug effects/ ASCITIC FLUID, metabolism/ ENGLISH ABSTRACT/ HAMSTERS/ *KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ KININOGENS, metabolism/ *KININS, metabolism/ LEUKOCYTES, drug effects/ *PERITONITIS, metabolism/ *PREDNISOLONE, pharmacodynamics/ PROTEIN PRECURSORS, metabolism/ SUCCINATES

1981. Kikuchi K, Aneha Y, Natsume R, et al: [Clinical study for augmentation of efficacy of anticancer drugs. 1. Combination therapy by proteolytic enzyme and anticancer drugs]
J Jap Soc Cancer Ther 7:270-8, 20 Dec 72 (Jap)
ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, metabolism/ BREAST NEOPLASMS, drug therapy/ COLONIC NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, metabolism/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HUMAN/ LYMPHOMA, drug therapy/ *PEPTIDE HYDROLASES, administration & dosage/ RECTAL NEOPLASMS, drug therapy/ STOMACH NEOPLASMS, drug therapy/ THYROID NEOPLASMS, drug therapy

1982. Killam AP, Rosenfeld CR, Battaglia FC, et al: Effect of estrogens on the uterine blood flow of oophorectomized ewes.
Am J Obstet Gynecol 115:1045-52, 15 Apr 73
*BLOOD VESSELS, drug effects/ CASTRATION/ CYCLOHEXIMIDE, pharmacodynamics/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ REGIONAL BLOOD FLOW, drug effects/ SHEEP/ STIMULATION, CHEMICAL/ STRESS/ *UTERUS, blood supply

1983. Killip M: Experiences with Gonavislide, a new slide test for pregnancy.
Aust NZ J Obstet Gynaecol 12:250-2, Nov 72
ANTIBODY SPECIFICITY/ BACTERIURIA/ COMPARATIVE STUDY/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HEMATURIA/ HUMAN/ LATEX FIXATION TESTS/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *PREGNANCY TESTS, IMMUNOLOGIC/ PROTEINURIA

1984. Kim CB, Johnson WW, MacMillan DR: Hyperglycemic nonketotic coma in a postpancreatectomy diabetic infant. Am J Dis Child 125:755-6, May 73
CASE REPORT/ *DIABETES MELLITUS, JUVENILE, etiology/ DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, therapeutic use/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYPERGLYCEMIA, chemically induced/ *HYPERGLYCEMIA, etiology/ HYPOGLYCEMIA, congenital/ HYPOGLYCEMIA, drug therapy/ HYPOGLYCEMIA, therapy/ INFANT/ INFANT, NEWBORN/ MALE/ OSMOLAR CONCENTRATION/ PANCREAS, pathology/ PANCREATECTOMY/ *PANCREATECTOMY, adverse effects

1985. Kimberg DV, Field M, Gershon E, et al: Effects of cycloheximide on the response of intestinal mucosa to cholera enterotoxin. J Clin Invest 52:1376-83, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CARBON ISOTOPES/ CHLORINE/ CHLORINE, metabolism/ CHOLERA/ *CYCLOHEXIMIDE, pharmacodynamics/ *ENTEROTOXINS, pharmacodynamics/ ILEUM/ IN VITRO/ *INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, enzymology/ INTESTINAL MUCOSA, metabolism/ LEUCINE, metabolism/ MALE/ PROTEINS, metabolism/ RABBITS/ RADIOISOTOPES/ SODIUM, metabolism/ SODIUM ISOTOPES

1986. Kimberg DV, Loeb JN: Effects of cortisone administration on rat liver mitochondria. Support for the concept of mitochondrial fusion.
J Cell Biol 55:625-43, Dec 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ *CORTISONE, pharmacodynamics/ DNA, MITOCHONDRIAL, metabolism/ KINETICS/ LEUCINE, metabolism/ MALE/ *MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, growth & development/ MITOCHONDRIA, LIVER, metabolism/ MODELS, BIOLOGICAL/ PROTEINS, metabolism/ RATS/ THYMIDINE, metabolism/ TRITIUM

1987. Kimlová I, Sternová H, Středová M, et al: Příspěvek ke studiu regulace systému renin-angiotensin.
Cas Lek Cesk 112:470-4, 13 Apr 73 (Cze)
ADULT/ AGED/ *ANGIOTENSIN, blood/ ANGIOTENSIN, pharmacodynamics/ ANGIOTENSIN, physiology/ BLOOD PRESSURE, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ *RENIN, blood/ RENIN, physiology

1988. Kimmel GL, Moulton BC, Leavitt WW: Uptake and retention of (3 H) oestradiol by myometrial and decidual tissue in the pseudopregnant rat.
J Endocrinol 56:335-6, Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS, metabolism/ *DECIDUA, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ *PSEUDOPREGNANCY/ RATS/ TRITIUM/ *UTERINE NEOPLASMS, metabolism/ UTERUS, injuries/ *UTERUS, metabolism

1989. Kimmig J, Kreysel HW: Zur Morphologie, Biochemie und Funktion der Proteoglycane in der Dermatologie.
Klin Wochenschr 51:207-13, 1 Mar 73 (98 ref.) (Ger)
CALCIUM, metabolism/ CONNECTIVE TISSUE, metabolism/ CONNECTIVE TISSUE CELLS, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ HUMAN/ MUCOPOLYSACCHARIDES, biosynthesis/ *MUCOPOLYSACCHARIDES, metabolism/ REVIEW/ SCLERODERMA, SYSTEMIC, metabolism/ *SKIN DISEASES, metabolism

1990. Kincaid-Smith P: Coagulation and renal disease.
Kidney Int 2:183-90, Oct 72 (99 ref.)
ANGIOTENSIN, adverse effects/ ANIMAL EXPERIMENTS/ ANTICOAGULANTS, therapeutic use/ *BLOOD COAGULATION/

*BLOOD COAGULATION DISORDERS, complications/ BLOOD COAGULATION DISORDERS, immunology/ CATECHOLAMINES, adverse effects/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ FIBRIN, adverse effects/ HEPARIN, therapeutic use/ HUMAN/ HYPERTENSION, RENAL, etiology/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, drug therapy/ *KIDNEY DISEASES, etiology/ KIDNEY DISEASES, immunology/ KIDNEY FAILURE, ACUTE, etiology/ KIDNEY GLOMERULUS, immunology/ KIDNEY GLOMERULUS, pathology/ PREGNANCY/ PREGNANCY TOXEMIAS, complications/ PREGNANCY TOXEMIAS, pathology/ RENIN, adverse effects/ REVIEW/ THROMBOSIS, complications/ THROMBOSIS, etiology/ UREMIA, pathology

1991. **King DJ:** Plasma cortisol-binding capacity in mental illness. Psychol Med 5:53-65, Feb 73
ADULT/ ANXIETY/ BINDING SITES/ CHLORPROMAZINE, pharmacodynamics/ DEPRESSION, blood/ DIAZEPAM, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HOSTILITY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ IMIPRAMINE, pharmacodynamics/ MALE/ *MENTAL DISORDERS, blood/ MENTAL DISORDERS, familial & genetic/ MIDDLE AGE/ PERSONALITY INVENTORY/ *PROTEIN BINDING/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ RESERPINE, pharmacodynamics/ *TRANSCORTIN, blood/ TRANSCORTIN, metabolism

1992. **King JF, Saiei AF, Amsterdam EA, et al:** Recent advances in therapy for refractory congestive heart failure. Geriatrics 28:94-102, Mar 73
ADRENAL CORTEX HORMONES, therapeutic use/ ALDOSTERONE, antagonists & inhibitors/ AMINOPHYLLINE, therapeutic use/ DEXTROTHYROXINE, therapeutic use/ DIGITALIS GLYCOSIDES, therapeutic use/ DIURETICS, therapeutic use/ DOPAMINE, therapeutic use/ ETHACRYNIC ACID, therapeutic use/ FUROSEMIDE, therapeutic use/ GLUCAGON, therapeutic use/ HEART, physiopathology/ HEART CATHETERIZATION/ HEART DISEASES, surgery/ HEART FAILURE, CONGESTIVE, diagnosis/ HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, etiology/ HEART FAILURE, CONGESTIVE, physiopathology/ *HEART FAILURE, CONGESTIVE, therapy/ HUMAN/ ISOPROTERENOL, therapeutic use/ MANNITOL, therapeutic use/ MYOCARDIAL DISEASES, PRIMARY, complications/ PACEMAKER, ARTIFICIAL

1993. **King RE, Lovejoy JF Jr:** Familial osteopetrosis with coxa vara. A case report.
J Bone Joint Surg [Am] 55:381-5, Mar 73
BONE MATRIX, pathology/ BONE REGENERATION/ CALCINOSIS, pathology/ CASE REPORT/ CHILD/ FEMALE/ FEMUR, pathology/ *FEMUR HEAD/ *HIP/ HIP, radiography/ HUMAN/ *OSTEOPETROSIS, familial & genetic/ OSTEOPETROSIS, pathology/ OSTEOPETROSIS, radiography/ OSTEOPETROSIS, surgery/ OSTEOTOMY

1994. **Kingry RL, Hobson RW 2d, Muir RW:** Cecal necrosis and perforation with systemic chemotherapy.
Am Surg 39:129-33, Mar 73
ADULT/ ASPARAGINASE, therapeutic use/ BREAST NEOPLASMS, drug therapy/ *CECAL DISEASES, chemically induced/ CHILD/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ *INTESTINAL PERFORATION, chemically induced/ LEUKEMIA, drug therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ *NECROSIS, chemically induced/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ THIOGUANINE, therapeutic use/ *VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

1995. **Kinlough-Rathbone RL, Chahil A, Mustard JF:** Effect of external calcium and magnesium on thrombin-induced changes in calcium and magnesium of pig platelets. Am J Physiol 224:941-5, Apr 73
ADENINE NUCLEOTIDES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ *CALCIUM, blood/ CALCIUM, pharmacodynamics/ DRUG SYNERGISM/ *MAGNESIUM, blood/ MAGNESIUM, pharmacodynamics/ SEROTONIN, metabolism/ SWINE/ *THROMBIN, pharmacodynamics/ TRITIUM

1996. **Kinnaert P, Penneman R, Mahieu A:** Effect of a single large dose of hydrocortisone on the R.E.S. phagocytic activity. A preliminary report.
Bull Soc Int Chir 31:481-6, Sep-Oct 72
ANIMAL EXPERIMENTS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ *PHAGOCYTOSIS, drug effects/ RATS/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ SHOCK, TOXIC, drug therapy

1997. **Kinson GA, Liu CC:** Further evidence of inherent testicular rhythms in the laboratory rat.
J Endocrinol 56:337-8, Feb 73
ANIMAL EXPERIMENTS/ BIOMETRY/ MALE/ *PERIODICITY/ RADIOIMMUNOASSAY/ RATS/ SPERMATOZOA/ *TESTIS, anatomy & histology/ TESTIS, blood supply/ *TESTOSTERONE, blood/ TRITIUM/ VEINS

1998. **Kirchheimer WF, Storrs EE, Binford CH:** Attempts to establish the Armadillo (Dasypus novemcinctus linn.) as a model for the study of leprosy. II. Histopathologic and bacteriologic post-mortem findings in lepromatoid leprosy in the Armadillo.
Int J Lepr 40:229-42, Jul-Sep 72
ABDOMEN, microbiology/ ABDOMEN, pathology/ AUTOPSY/ CENTRAL NERVOUS SYSTEM, pathology/ DISEASE MODELS, ANIMAL/ EAR, microbiology/ EAR, pathology/ *EDENTATA/ ESOPHAGUS, pathology/ EYE, pathology/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, pathology/ LEPROSY, microbiology/ *LEPROSY, pathology/ LIVER, pathology/ *MYCOBACTERIUM LEPRAE, isolation & purification/ PHOSPHOLIPIDS, isolation & purification/ SKIN, microbiology/ SKIN, pathology/ SPLEEN, pathology/ TESTIS, pathology

1999. **Kirillov OI:** Kletochnye izmeneniia v kore nadpochechnikov krys pri povtornom vvedenii AKT.
Probl Endokrinol (Mosk) 19:99-101, Jan-Feb 73 (Rus)
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ MALE/ MITOSIS, drug effects/ ORGAN WEIGHT/ RATS

2000. **Kirkpatrick CH, Meek JC, Rich RR:** Mechanism of allergy to components of commercial bovine thyrotropin.
J Allergy Clin Immunol 51:296-302, May 73
ADULT/ CATTLE, immunology/ FEMALE/ GAMMA GLOBULIN/ GEL DIFFUSION TESTS/ HUMAN/ *HYPERSENSITIVITY, IMMEDIATE, chemically induced/ IODINE ISOTOPES/ MONILIASIS, drug therapy/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SKIN TESTS/ THYROID GLAND, metabolism/ *THYROTROPIN, adverse effects/ THYROTROPIN, therapeutic use

2001. **Kirpatovskii ID, Chemodanov VI:** Klinicheskie aspekty transplantatsii iaichka. I. Pokazaniia k operatsii i metody diagnostiki.
Khirurgiia (Mosk) 49:22-8, Feb 72 (Rus)
ADOLESCENCE/ ADULT/ CASTRATION/ CRYPTORCHISM, surgery/ ENGLISH

ABSTRACT/ HUMAN/ *HYPOGONADISM, surgery/ MALE/ TESTICULAR DISEASES, surgery/ TESTIS, injuries/ *TESTIS, transplantation/ TESTOSTERONE, therapeutic use

2002. Kirton KT, Forbes AD: Activity of 15[S] 15-methyl prostaglandin E2 and F2alpha as stimulants of uterine contractility. Prostaglandins 1:319-25, Apr 72
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INJECTIONS, INTRAVENOUS/ MACACA/ MONKEYS/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ UTERUS, drug effects/ UTERUS, physiology

2003. Kitabchi AE: Corticosteroidogenesis in isolated adrenal cell preparations of vitamin E-deficient rats. Ann NY Acad Sci 203:123-6, 18 Dec 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ BARBITURATES/ CATTLE/ CORTICOTROPIN, pharmacodynamics/ DRUG SYNERGISM/ LIPIDS, metabolism/ MICROSOMES, enzymology/ MICROSOMES, metabolism/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ OXIDATION-REDUCTION/ PEROXIDES, metabolism/ RATS/ STEROID HYDROXYLASES, metabolism/ VITAMIN E, pharmacodynamics/ VITAMIN E, therapeutic use/ VITAMIN E DEFICIENCY, drug therapy/ *VITAMIN E DEFICIENCY, metabolism

2004. Kittredge RD: Choriocarcinoma. Aspects of the clinical pathology.
Am J Roentgenol Radium Ther Nucl Med 117:637-42, Mar 73
ADULT/ ANGIOGRAPHY/ CHORIOCARCINOMA, complications/ *CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, pathology/ CHORIOCARCINOMA, physiopathology/ CHORIOCARCINOMA, radiography/ DACTINOMYCIN, therapeutic use/ FEMALE/ HUMAN/ ILIAC VEIN, physiopathology/ ILIAC VEIN, radiography/ MERCAPTOPURINE, therapeutic use/ PHLEBOGRAPHY/ PREGNANCY/ PULMONARY ARTERY, physiopathology/ PULMONARY ARTERY, radiography/ PULMONARY EMBOLISM, etiology/ PULMONARY EMBOLISM, physiopathology/ PULMONARY EMBOLISM, radiography/ RADIOISOTOPE SCANNING/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, physiopathology/ UTERINE NEOPLASMS, radiography/ VENA CAVA, INFERIOR, physiopathology/ VENA CAVA, INFERIOR, radiography

2005. Kiuchi Y, Yamanaka H, Magaribuchi T, et al: Persistence of maternal antibody and its effect on the antibody production in young mice.
Jap J Exp Med 42:553-61, Dec 72
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ *ANTIBODY FORMATION/ ERYTHROCYTES, immunology/ FEMALE/ HEMAGGLUTINATION TESTS/ HEMOLYTIC PLAQUE TECHNIC/ HYSTERECTOMY/ *IMMUNITY, PASSIVE/ IMMUNOELECTROPHORESIS/ LACTATION/ *MATERNAL-FETAL EXCHANGE/ MILK, immunology/ PREGNANCY/ RATS/ SHEEP, immunology/ SPLEEN, immunology

2006. Kizer DE, Howell BA: Synchrony between DNA synthesis and thymidine incorporation into DNA in regenerating rat liver.
Chem Biol Interact 6:177-87, Mar 73
ADENINE, metabolism/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *DNA, biosynthesis/ DNA, isolation & purification/ FEMALE/ FORMIC ACIDS, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYDROLYSIS/ IN VITRO/ LIVER, enzymology/ *LIVER, metabolism/ *LIVER REGENERATION/ OROTIC ACID, metabolism/ PROTEINS, metabolism/ RATS/ STRESS, metabolism/ *THYMIDINE, metabolism/ THYMIDINE KINASE, metabolism/ TIME FACTORS/ TRITIUM

2007. Kjerulf TD, Loeser JD: Neuronal hyperactivity following deafferentation of the lateral cuneate nucleus. Exp Neurol 39:70-85, Apr 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CATS/ CEREBELLUM, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ INHIBITION, NEURAL/ *MEDULLA OBLONGATA, physiology/ NEURAL TRANSMISSION/ NEURONS, AFFERENT, surgery/ *SPINAL NERVE ROOTS, surgery/ TETANY

2008. Kjessler B: Repeated paternity subsequent to distinct courses of bcg and testosterone in a hypoandrogenic male with preserved spermatogenesis, a "fertile eunuch". Andrologie 4:219-29, 1972
ADULT/ BIOLOGICAL ASSAY/ BIOPSY/ CASE REPORT/ *EUNUCHISM, drug therapy/ FERTILIZATION/ FSH, urine/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ LEYDIG CELLS/ LH, urine/ MALE/ RADIOIMMUNOASSAY/ SPERMATOGENESIS/ *STERILITY, MALE, drug therapy/ TESTIS, cytology/ *TESTOSTERONE, therapeutic use

2009. Klahr S, Nawar T, Schoolwerth AC: Effects of catecholamines on ammoniagenesis and gluconeogenesis by renal cortex in vitro.
Biochim Biophys Acta 304:161-8, 30 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *AMMONIA, metabolism/ ANIMAL EXPERIMENTS/ *GLUCONEOGENESIS, drug effects/ GLUTAMATES, metabolism/ GLUTAMINE, metabolism/ IN VITRO/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ KETOGLUTARIC ACID, metabolism/ *KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

2010. Klauber GT: Management of the undescended testis
Can Med Assoc J 108:1129-31, 5 May 73
AGE FACTORS/ CHILD/ CRYPTORCHISM, complications/ CRYPTORCHISM, diagnosis/ CRYPTORCHISM, drug therapy/ *CRYPTORCHISM, surgery/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INFANT, NEWBORN/ MALE/ PALPATION/ TESTICULAR NEOPLASMS, etiology

2011. Kleibel F: Inhalierbares Corticosteroid gegen radiogene Lokalreaktionen der Schleimhäute.
Strahlentherapie 145:423-6, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ COBALT ISOTOPES/ DEGLUTITION DISORDERS, drug therapy/ DEGLUTITION DISORDERS, etiology/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ EDEMA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HEAD/ HUMAN/ INHALATION THERAPY/ ISONICOTINIC ACID/ MALE/ MIDDLE AGE/ *MOUTH MUCOSA, radiation effects/ *NASAL MUCOSA, radiation effects/ NECK

NEOPLASMS, radiotherapy/ NEOPLASM METASTASIS/ NEOPLASMS, radiotherapy/ PAIN, drug therapy/ *RADIATION INJURIES, drug therapy/ RADIOISOTOPE TELETHERAPY, adverse effects/ SPEECH DISORDERS, drug therapy/ SPEECH DISORDERS, etiology

2012. **Kleĭman BV:** Fonoforez gidrokortizona pri pomutneniiakb rogovoĭ oboiochki. Oftalmol Zh 27:438-41, 1972 **(Rus)**
ADULT/ *CORNEAL OPACITY, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ IONTOPHORESIS/ METHODS/ ULTRASONIC THERAPY

2013. **Klein GP, Baden M, Giroud CJ:** Quantitative measurement and significance of 5 plasma corticosteroids during the perinatal period. J Clin Endocrinol Metab 36:944-50, May 73
ADULT/ BINDING, COMPETITIVE/ BLOOD/ *CORTICOSTERONE, blood/ *CORTISONE, blood/ *DESOXYCORTICOSTERONE, blood/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT, NEWBORN/ *INFANT, PREMATURE/ MALE/ RESPIRATORY DISTRESS SYNDROME, blood/ SULFATES, blood/ UMBILICAL CORD

2014. **Kley HK, Krüskemper HL:** Androgene. Biochemie, Wirkungsweise, therapeutische Anwendung. Med Klin 68:295-305, 9 Mar 73 (91 ref.) **(Ger)**
ANABOLIC STEROIDS, adverse effects/ ANABOLIC STEROIDS, therapeutic use/ *ANDROGENS/ ANDROGENS, adverse effects/ ANDROGENS, biosynthesis/ ANDROGENS, pharmacodynamics/ ANDROGENS, secretion/ ANDROGENS, therapeutic use/ ANDROSTENES, blood/ ANDROSTENES, urine/ BREAST NEOPLASMS, drug therapy/ CARRIER PROTEINS/ DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, urine/ FEMALE/ HUMAN/ MALE/ PREGNENOLONE, metabolism/ REVIEW/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ TESTOSTERONE, urine

2015. **Klicka J, Mahmoud IY:** Conversion of cholesterol to progesterone by turtle corpus luteum. Steroids 21:483-96, Apr 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, analysis/ *CORPUS LUTEUM, metabolism/ OVUM/ PITUITARY GLAND, analysis/ PITUITARY GLAND, metabolism/ PROGESTERONE, biosynthesis/ PROGESTERONE, isolation & purification/ TISSUE EXTRACTS/ TRITIUM/ TURTLES

2016. **Klimek R, Stanek J:** O konieczności oznaczania układów substrat--enzym w diagnostuce położniczej. Ginekol Pol 44:445-53, Apr 73 (60 ref.) **(Pol)**
ALKALINE PHOSPHATASE, metabolism/ AMINOPEPTIDASES/ ENGLISH ABSTRACT/ ENZYME INDUCTION/ *ENZYME TESTS/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ *FETAL DISEASES, diagnosis/ HUMAN/ HYPOTHALAMUS, enzymology/ KININS, metabolism/ MATERNAL-FETAL EXCHANGE/ MODELS, CHEMICAL/ OXIDOREDUCTASES, metabolism/ OXYTOCIN, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY COMPLICATIONS, enzymology/ RENIN, metabolism/ REVIEW/ STEROIDS, biosynthesis/ TESTOSTERONE, metabolism/ TIME FACTORS

2017. **Kline TS, Neal HS:** Needle biopsy. A pilot study. JAMA 224:1143-6, 21 May 73
*BIOPSY, NEEDLE/ BIOPSY, NEEDLE, adverse effects/ BREAST NEOPLASMS, diagnosis/ EVALUATION STUDIES/ FALSE POSITIVE REACTIONS/ FEMALE/ FLUOROSCOPY/ HUMAN/ LUNG NEOPLASMS, diagnosis/ LYMPH NODES/ NEEDLES/ NEOPLASM SEEDING, etiology/ *NEOPLASMS, diagnosis/ PANCREATIC NEOPLASMS, diagnosis/ PILOT PROJECTS/ SKIN NEOPLASMS, diagnosis/ TELEVISION/ THYROID NEOPLASMS, diagnosis

2018. **Kloeck FK, Jung H:** In vitro release of prostaglandins from the human myometrium under the influence of stretching. Am J Obstet Gynecol 115:1066-9, 15 Apr 73
ANIMAL EXPERIMENTS/ FEMALE/ HUMAN/ METHODS/ MUSCLE CONTRACTION/ *MUSCLES, metabolism/ PERFUSION/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, metabolism/ RATS/ STRESS, MECHANICAL/ *UTERUS, metabolism

2019. **Klopper A, Farr V, Dennis KJ:** The effect of intra-amniotic oestriol sulphate on uterine contractility at term. J Obstet Gynaecol Br Commonw 80:34-40, Jan 73
ADULT/ CERVIX UTERI, physiology/ ESTRIOL, administration & dosage/ ESTRIOL, pharmacodynamics/ *ESTRIOL, therapeutic use/ FEMALE/ FETAL MEMBRANES/ HUMAN/ INJECTIONS/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ TIME FACTORS/ UTERUS, drug effects

2020. **Knapp S, Mandell AJ:** Short- and long-term lithium administration: effects on the brain's serotonergic biosynthetic systems. Science 180:645-7, 11 May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CAUDATE NUCLEUS, cytology/ CAUDATE NUCLEUS, enzymology/ *CAUDATE NUCLEUS, metabolism/ KINETICS/ *LITHIUM, administration & dosage/ LITHIUM, pharmacodynamics/ MALE/ MESENCEPHALON, enzymology/ *MESENCEPHALON, metabolism/ NERVE ENDINGS, metabolism/ RATS/ *SEROTONIN, biosynthesis/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRYPTOPHAN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism

2021. **Knight JW, Bazer FW, Wallace HD:** Hormonal regulation of porcine uterine protein secretion. J Anim Sci 36:546-53, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ ELECTROPHORESIS, DISK/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GEL FILTRATION/ METHODS/ MOLECULAR WEIGHT/ *PROGESTERONE, pharmacodynamics/ PROTEINS, analysis/ *PROTEINS, metabolism/ *SWINE, physiology/ UTERUS, drug effects/ *UTERUS, secretion

2022. **Knight WA 3d, Murphy WK, Gottlieb JA:** Neurofibromatosis associated with malignant neurofibromas. Arch Dermatol 107:747-50, May 73
ADENOCARCINOMA, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ AGED/ *CARCINOMA, BASAL CELL, complications/ CARCINOMA, BASAL CELL, pathology/ CARCINOMA, EPIDERMOID, complications/ CHILD/ FEMALE/ FIBROSARCOMA, complications/ HUMAN/ MALE/ *MELANOMA, complications/ MELANOMA, pathology/ MIDDLE AGE/ MOUTH NEOPLASMS, complications/ *NEOPLASMS, MULTIPLE PRIMARY/ *NEUROFIBROMA, complications/ NEUROFIBROMA, pathology/ *NEUROFIBROMATOSIS, complications/ NOSE NEOPLASMS, complications/ PALATAL NEOPLASMS, complications/ PANCREATIC NEOPLASMS, complications/ PHEOCHROMOCYTOMA, complications/ *SKIN NEOPLASMS/ SKIN NEOPLASMS, pathology

2023. **Knopp RH, Warth MR, Carrol CJ:** Lipid metabolism in pregnancy. I. Changes in lipoprotein triglyceride and cholesterol in normal pregnancy and the effects of diabetes mellitus. J Reprod Med 10:95-101, Mar 73
BLOOD PROTEIN ELECTROPHORESIS/ *CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DENSITOMETRY/ DIABETIC DIET/ ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL,

pharmacodynamics/ FASTING/ FEMALE/ FLUOROMETRY/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROXYPROGESTERONE, pharmacodynamics/ HYPERLIPEMIA, classification/ INSULIN, pharmacodynamics/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ NORGESTREL, pharmacodynamics/ *PREGNANCY/ *PREGNANCY IN DIABETES, blood/ *TRIGLYCERIDES, blood

2024. Knorr D: Nebenwirkungen der hormonellen Therapie des Maideszensus. Med Klin 68:566, 27 Apr 73 (Ger)
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, drug therapy/ *GONADOTROPINS, CHORIONIC, adverse effects/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MALE/ *PUBERTY, PRECOCIOUS, chemically induced

2025. Knorring J von: Polymyalgia rheumatica and malignant lymphoma. Report on a case.
Schriftenr Ver Wasser Boden Lufthyg 1:117-20, 1972
AGED/ CASE REPORT/ CELL TRANSFORMATION, NEOPLASTIC/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ *LYMPHOMA, etiology/ LYMPHOMA, pathology/ *POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, immunology/ PREDNISOLONE, therapeutic use/ SALICYLATES, therapeutic use/ SYNOVITIS, drug therapy

2026. Kobayashi A, Ohbe Y: Nephrosis, cyclophosphamide therapy, and severe systemic varicella recovery with massive doses of intravenous human immune serum globulin. Monatsschr Kinderheilkd 121:54-6, Feb 73
CHICKENPOX, drug therapy/ *CHICKENPOX, etiology/ CHILD/ CROSS INFECTION/ *CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ *ENCEPHALITIS, etiology/ FEMALE/ GAMMA GLOBULIN, therapeutic use/ HEMORRHAGE, etiology/ HUMAN/ HYDROCORTISONE, therapeutic use/ IMMUNOGLOBULINS, administration & dosage/ IMMUNOSUPPRESSION, adverse effects/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAMUSCULAR/ NEPHROSIS, drug therapy/ PEPSIN, therapeutic use/ PREDNISOLONE, therapeutic use/ PROGNOSIS/ SEROTHERAPY/ TETRACYCLINE, therapeutic use/ UNCONSCIOUSNESS, etiology

2027. Kobayashi A, Utsunomiya T, Horino M, et al: Nephrosis, steroids, pancreatitis, and diabetic ketoacidosis.
Am J Dis Child 125:726-9, May 73
*ACIDOSIS, DIABETIC, chemically induced/ ACUTE DISEASE/ ADRENAL GLANDS, pathology/ AUTOPSY/ *BETAMETHASONE, adverse effects/ BETAMETHASONE, therapeutic use/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ GLYCOSURIA, chemically induced/ HUMAN/ KIDNEY, pathology/ LIVER, pathology/ MALE/ *NEPHROSIS, drug therapy/ *PANCREATITIS, chemically induced/ PANCREATITIS, pathology

2028. Kobayashi R, Harada A, Kanno Y, et al: Potentiation of

Proc Soc Exp Biol Med 142:776-80, Mar 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *ANTI-INFECTIVE AGENTS, pharmacodynamics/ DIIODOTYROSINE, biosynthesis/ DRUG SYNERGISM/ *FOLIC ACID ANTAGONISTS, pharmacodynamics/ *GOITER, chemically induced/ IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, biosynthesis/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *PYRIMIDINES, pharmacodynamics/ RATS/ SULFONAMIDES, adverse effects/ *SULFONAMIDES, pharmacodynamics/ TESTIS, anatomy & histology/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROXINE, biosynthesis/ TRIIODOTHYRONINE, biosynthesis/ TRIMETHOPRIM, adverse effects/ TRIMETHOPRIM, pharmacodynamics

2029. Kobayashi TK, Pedrini V: Proteoglycans-collagen interactions in human costal cartilage.
Biochim Biophys Acta 303:148-60, 23 Mar 73
AMINO ACIDS, analysis/ AUTOANALYSIS/ CARTILAGE, enzymology/ *CARTILAGE, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CLOSTRIDIOPEPTIDASE A, metabolism/ *COLLAGEN, metabolism/ ELECTROPHORESIS/ GEL FILTRATION/ HEXOSAMINES, analysis/ HUMAN/ HYALURONIDASE, metabolism/ HYDROXYPROLINE, analysis/ MACROMOLECULAR SYSTEMS/ MUCOPOLYSACCHARIDES, isolation & purification/ *MUCOPOLYSACCHARIDES, metabolism/ PROTEIN BINDING/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTIS, enzymology

2030. Kobilková J, Zavadil M, Papež L: Dysfunkční endometria a jejich dynamické korelace. Dynamické korelace k morfologii dysfunkčního endometria.
Sb Lek 75:135-50, 1973 (Cze)
BIOPSY/ CYTODIAGNOSIS/ *ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ *MENSTRUATION DISORDERS, pathology/ OVULATION/ PROGESTERONE, metabolism

2031. Kochakian CD: Hypotaurine: regulation of production in seminal vesicles and prostate of guinea-pig by testosterone. Nature 241:202-3, 19 Jan 73
ANIMAL EXPERIMENTS/ CASTRATION/ CYSTINE, analysis/ GUINEA PIGS/ MALE/ METHIONINE, analysis/ PROSTATE, analysis/ *PROSTATE, metabolism/ PROTEIN PRECURSORS, biosynthesis/ SEMINAL VESICLES, analysis/ *SEMINAL VESICLES, metabolism/ TAURINE, analysis/ *TAURINE, biosynthesis/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, physiology

2032. Kochkarev VM: K voprosu ob ekskretsii polovykh gormonov u bolnykh iazvennoĭ bolezniiu zheludka i dvenadtsatiperstnoĭ kishki.
Ter Arkh 44:29-31, Oct 72 (Rus)
ADOLESCENCE/ ADULT/ *ANDROGENS, urine/ DUODENAL ULCER, urine/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ HUMAN/ MALE/ METHODS/ *PEPTIC ULCER, urine/ REMISSION/ STOMACH ULCER, urine

2033. Kochupillai N, Karmarkar MG, Weightman D, et al: Pituitary-thyroid axis in Himalayan endemic goitre.
Lancet 1:1021-4, 12 May 73
ADOLESCENCE/ ADULT/ *ALTITUDE/ ANALYSIS OF VARIANCE/ CHILD/ FEMALE/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, physiopathology/ HUMAN/ INDIA/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY GLAND, metabolism/

RADIOIMMUNOASSAY/ THYROID GLAND, metabolism/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, administration & dosage/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2034. Kocsard E, Ofner F, Broe GA: Paradox temperature response in atopic dermatitis.
Dermatologica 146:8-14, 1973
ADULT/ AUTONOMIC NERVOUS SYSTEM,

physiopathology/ BODY TEMPERATURE REGULATION/ *DERMATITIS, ATOPIC, physiopathology/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ PERIPHERAL NERVES, physiopathology/ *SKIN TEMPERATURE

2035. **Koda LY, Gibb JW:** Adrenal and striatal tyrosine hydroxylase activity after methamphetamine.
J Pharmacol Exp Ther 185:42-8, Apr 73
*ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ COLD/ CORPUS STRIATUM, enzymology/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ *GANGLIA, BASAL, enzymology/ MALE/ *METHAMPHETAMINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ STRESS/ TIME FACTORS/ *TYROSINE HYDROXYLASE, metabolism

2036. **Koehler B, Guzikowska E, Bogusz W:** Rak tarczycy u dziewczynki 11-letniej.
Pediatr Pol 48:485-7, Apr 73 (Pol)
AGE FACTORS/ CHILD/ *CYSTADENOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ *THYROID NEOPLASMS, surgery

2037. **Koenig UD:** Besondere Fehlbildungen bei Nebennieren. Anat Anz 132:303-9, 1972 (Ger)
ABNORMALITIES, MULTIPLE, complications/ *ADRENAL GLANDS, abnormalities/ DIAPHRAGM, abnormalities/ HUMAN/ INFANT, NEWBORN/ MALE/ SPINA BIFIDA, complications

2038. **Koenig UD, Mersmann B, Haupt H:** Proliferative plazentare Gefässveränderungen, Schwangerschaft und perinataler Verlauf beim Kind.
Z Geburtshilfe Perinatol 177:58-64, Feb 73 (Ger)
APGAR SCORE/ BIRTH WEIGHT/ *BLOOD VESSELS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ INFANT, PREMATURE/ LABOR, PREMATURE/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, blood supply/ *PLACENTA DISORDERS, pathology/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ RUBELLA, complications/ SOCIOECONOMIC FACTORS

2039. **Koff RS, Widrich WC, Robbins AH:** Necrotizing angiitis in a methamphetamine user with hepatitis B--angiographic diagnosis, five-month follow-up results and localization of bleeding site.
N Engl J Med 288:946-7, 3 May 73
ADULT/ ANEURYSM, complications/ *ANEURYSM, radiography/ ANGIOGRAPHY/ AORTOGRAPHY/ *DRUG ABUSE/ FOLLOW-UP STUDIES/ *HEMOPERITONEUM, etiology/ HEMOPERITONEUM, radiography/ *HEPATITIS, HOMOLOGOUS SERUM, complications/ HEROIN ADDICTION, complications/ HUMAN/ MALE/ *METHAMPHETAMINE/ METHAMPHETAMINE, adverse effects/ PERIARTERITIS NODOSA, chemically induced/ PERIARTERITIS NODOSA, drug therapy/ *PERIARTERITIS NODOSA, etiology/ PERIARTERITIS NODOSA, radiography/ PREDNISONE, therapeutic use/ RENAL ARTERY, radiography/ RETROPERITONEAL SPACE

2040. **Köhler K, Platzbecker H, Liebscher J, et al:** Zum Stellenwert der Phlebographie des lumbalen Venensystems bei raumfordernden retroperitonealen Prozessen.
Radiol Diagn (Berl) 13:783-90, 1972 (Ger)
ADULT/ CERVIX NEOPLASMS, radiography/ DISGERMINOMA, radiography/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HODGKIN'S DISEASE, radiography/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEURILEMMOMA, radiography/ *PHLEBOGRAPHY/ *RETROPERITONEAL NEOPLASMS, radiography/ SARCOMA, RETICULUM CELL, radiography

2041. **Köhler L:** Physical examination of four-year-old children. Acta Paediatr Scand 62:181-92, Mar 73
BLOOD PRESSURE/ BODY HEIGHT/ BODY WEIGHT/ CEPHALOMETRY/ CHILD HEALTH SERVICES/ *CHILD, PRESCHOOL/ CRYPTORCHISM, diagnosis/ FEMALE/ FLATFOOT, diagnosis/ HEALTH SURVEYS/ HEMOGLOBIN/ HUMAN/ INGUINAL HERNIA, diagnosis/ MALE/ MINIMAL BRAIN DYSFUNCTION, diagnosis/ NERVOUS SYSTEM DISEASES, diagnosis/ NEUROLOGIC EXAMINATION/ PHIMOSIS, diagnosis/ *PHYSICAL EXAMINATION/ QUESTIONNAIRES/ SOCIAL CLASS

2042. **Kohli KL:** Motivational factors and socio-economic characteristics of vasectomized males.
J Biosoc Sci 5:169-77, Apr 73
ADOLESCENCE/ ADULT/ COMMUNICATION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *DEMOGRAPHY/ FAMILY PLANNING/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MOTIVATION/ RELIGION/ SOCIOECONOMIC FACTORS/ *VASECTOMY

2043. **Koizumi J, Shiraishi H:** Synaptic alterations in the rabbit hypothalamus following long term administration of haloperidol.
Folia Psychiatr Neurol Jap 26:319-26, 1972
ANIMAL EXPERIMENTS/ AXONS/ *HALOPERIDOL, administration & dosage/ HALOPERIDOL, pharmacodynamics/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, pathology/ INJECTIONS, INTRAMUSCULAR/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RABBITS/ SYNAPSES, cytology/ *SYNAPSES, drug effects/ TIME FACTORS

2044. **Kojima A, Sakakura T, Tanaka Y, et al:** Sterility in neonatally thymectomized female mice: its nature and prevention by the injection of spleen cells.
Biol Reprod 8:358-61, Apr 73
AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ MICE/ OVARY, pathology/ OVARY, physiology/ PREGNANCY/ REPRODUCTION/ SPLEEN, cytology/ *SPLEEN, transplantation/ *STERILITY, FEMALE, prevention & control/ *THYMECTOMY

2045. **Kolář J, Bek V, Marek J, et al:** Zur Deutung des ausgedehnten Knochenumbaus bei der 85 Sr-Diagnostik.
God Zb Med Fak Skopje 118:319-25, Mar 73 (Ger)
ADULT/ *BONE AND BONES, metabolism/ *BONE DISEASES, diagnosis/ BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, metabolism/ BREAST NEOPLASMS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ FEMORAL NEOPLASMS, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PSEUDARTHROSIS, diagnosis/ SPONDYLITIS, ANKYLOSING, diagnosis/ *STRONTIUM ISOTOPES/ STRONTIUM ISOTOPES, diagnostic use

2046. **Kolář J, Bek V, Babický A, et al:** Odezvová přestavba kostní tkáně. Klinický průkaz při studiích 85 Sr.
Cas Lek Cesk 112:594-7, 11 May 73 (Cze)
*BONE AND BONES, metabolism/ BONE DISEASES, diagnosis/ BONE NEOPLASMS, diagnosis/ *BONE REGENERATION/ ENGLISH ABSTRACT/ HUMAN/ NEOPLASM METASTASIS/ STRONTIUM ISOTOPES, metabolism

2047. **Kolb E:** Neure Erkenntnisse über den Stoffwechsel organischer Verbindungen beim Rind beim Uber-gang von der Trächtigkeit zur Laktation.
Monatsh Vet Med 28:109-15, 1 Feb 73 (23 ref.) (Ger)
ACIDOSIS, metabolism/ ACIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *CATTLE, metabolism/ CATTLE DISEASES, metabolism/ ENGLISH ABSTRACT/ KETONE

BODIES, blood/ *LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ REVIEW

2048. **Koletsky S:** The role of renal factors in the pathogenesis of experimental hypertension. Int Rev Exp Pathol 12:203-50, 1973 (302 ref.)
ALDOSTERONE, secretion/ *ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ CADMIUM/ CATTLE/ CHRONIC DISEASE/ EMBOLISM, complications/ GLOMERULONEPHRITIS, physiopathology/ HYPERTENSION, chemically induced/ *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, immunology/ HYPERTENSION, RENAL, physiopathology/ INFARCTION/ ISCHEMIA/ KIDNEY, blood supply/ KIDNEY, pathology/ KIDNEY, physiology/ KIDNEY, secretion/ KIDNEY, transplantation/ NEPHRECTOMY/ PROSTAGLANDINS/ PYELONEPHRITIS, physiopathology/ RENAL ARTERY/ RENIN, antagonists & inhibitors/ *RENIN, physiology/ RENIN, secretion/ REVIEW/ SODIUM CHLORIDE/ TRANSPLANTATION, HOMOLOGOUS

2049. **Koljesnik AG, Gunko AE, Hebenstreit W, et al:** Stoffwechselstudien an kalzifizierten Gewehen nach lokalem und internem Einfluss von Saccharose. Dtsch Stomatol 23:1-8, Jan 73 (Ger)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ CITRATES, blood/ DENTAL CARIES, chemically induced/ ENGLISH ABSTRACT/ FEMUR, metabolism/ GLYCINE, metabolism/ *INCISOR, metabolism/ *JAW, metabolism/ LYSINE, metabolism/ MALE/ *MOLAR, metabolism/ PARENTERAL FEEDING/ PHOSPHORUS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ *SUCROSE, administration & dosage/ TIBIA, metabolism

2050. **Kollman PA, Giannini DD, Duax WL, et al:** Quantitation of long-range effects in steroids by molecular orbital calculations. J Am Chem Soc 95:2869-73, 2 May 73
*FLUDROCORTISONE/ *HYDROCORTISONE/ MOLECULAR CONFORMATION/ X-RAY DIFFRACTION

2051. **Kolpashchikova IF, Pudov VI:** Reaktivnye izmenenila v shchitovidnof zheleze i kore nadpochechnikov v protsesse metastazirovanila kartsinomy Brauna-Pirs. Vopr Onkol 19:108, 1973 (Rus)
*ADRENAL GLAND NEOPLASMS, pathology/ ANIMAL EXPERIMENTS/ *CARCINOMA, BROWN-PEARCE, pathology/ MALE/ NEOPLASM METASTASIS/ RABBITS/ *THYROID NEOPLASMS, pathology

2052. **Koltai M, Méos E:** Inhibition of the acute inflammatory response by interferon inducers. Nature 242:525-6, 20 Apr 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS/ CARRAGEENAN/ DEXTRAN/ INFLAMMATION, chemically induced/ INTERFERON, blood/ INTERFERON, pharmacodynamics/ INTERFERON INDUCERS, administration & dosage/ *INTERFERON INDUCERS, pharmacodynamics/ MALE/ MICE/ POLY A-U, pharmacodynamics/ POLY I-C, pharmacodynamics/ SEMLIKI FOREST VIRUS/ STATOLON, pharmacodynamics/ TIME FACTORS

2053. **Koltz PG:** Congenital absence of the vas deferens. J Urol 109:662-3, Apr 73
ADULT/ HUMAN/ MALE/ SPERMATOGENESIS/ TESTIS, physiopathology/ *VAS DEFERENS, abnormalities/ VAS DEFERENS, embryology

2054. **Komisarenko VP, Reznikov OH, Mikosha OS:** Suchasni uiavlennia pro mekhanizm dif o,p'-DDD na funktsiiu kory nadnirkovykh zaloz. Fiziol Zh 18:579-84, Sep-Oct 72 (Ukr)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *DDD, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT

2055. **Komissarenko IV, Efimov AS:** Lechenie holezni Itsenko-Kushinga (ohzor literatury. Probl Endokrinol (Mosk) 19:108-12, Jan-Feb 73 (101 ref.) (Rus)
ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENALECTOMY/ ADRENALECTOMY, adverse effects/ BUTANONES, adverse effects/ BUTANONES, therapeutic use/ CORTICOTROPIN, diagnostic use/ CORTISONE, therapeutic use/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, radiotherapy/ CUSHING'S SYNDROME, surgery/ *CUSHING'S SYNDROME, therapy/ DDD, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPOPHYSECTOMY/ METYRAPONE, therapeutic use/ PITUITARY NEOPLASMS, etiology/ PREDNISOLONE, therapeutic use/ REVIEW/ TRIPARANOL, therapeutic use

2056. **Komuro K, Boyse EA:** In-vitro demonstration of thymic hormone in the mouse by conversion of precursor cells into lymphocytes. Lancet 1:740-3, 7 Apr 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS/ *CELL DIFFERENTIATION/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *HORMONES, physiology/ IMMUNE SERUMS/ *T-LYMPHOCYTES/ MICE/ SPLEEN, cytology/ *THYMUS GLAND, physiology

2057. **Konda S, Stockert E, Smith RT:** Immunologic properties of mouse thymus cells: membrane antigen patterns associated with various cell subpopulations. Cell Immunol 7:275-89, May 73
ANIMAL EXPERIMENTS/ *ANTIGENS/ *ANTILYMPHOCYTE SERUM/ *CELL MEMBRANE, immunology/ CENTRIFUGATION, DENSITY GRADIENT/ CORTISONE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, radiation effects/ MICE/ RADIATION EFFECTS

2058. **Kondrat'eva AP:** Opyt polikhimioterapii generalizovannykh form limfogranulematoza. Klin Med (Mosk) 50:123-30, Oct 72 (Rus)
ADULT/ AGED/ *ANTIBIOTICS, ANTINEOPLASTIC, administration & dosage/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ *METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ *VINBLASTINE, administration & dosage/ VINBLASTINE, therapeutic use/ *VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

2059. **Kondrat'eva AV:** O soderzhanii tsitotoksinov v syvorotke krovi krys pri razvitii astsitnykh opukholei. Vopr Onkol 18:50-4, 1972 (Rus)
ANIMAL EXPERIMENTS/ ANTIBODIES, NEOPLASM, analysis/ *ANTIBODIES, NEOPLASM, biosynthesis/ ENGLISH ABSTRACT/ *HEPATOMA, immunology/ MALE/ *NEOPLASMS, EXPERIMENTAL, immunology/ *OVARIAN NEOPLASMS, immunology/ *PERITONEAL NEOPLASMS, immunology

2060. **Koos WT, Pendl G, Salah S, et al:** The value of a collaborative neurosurgical and rhinological approach to microsurgery of tumors in the chiasm-sella turcica region. Neurochirurgia (Stuttg) 16:62-9, Mar 73
*ADENOMA, CHROMOPHOBE, surgery/ ADULT/ COMPARATIVE STUDY/ CRANIOTOMY/ ETHMOID BONE, surgery/ FEMALE/ HUMAN/ MALE/ METHODS/ MICROSURGERY/ MIDDLE AGE/

*PITUITARY NEOPLASMS, surgery/ *SELLA TURCICA/ SPHENOID BONE, surgery

2061. **Kopelovich L:** Pyruvate dehydrogenase, the citrate condensing enzyme and the utilization of 14 C-labeled lactate, pyruvate and alanine by slices of lactating mammary gland and adenocarcinoma of mouse mammary gland.
Proc Soc Exp Biol Med 142:954-62, Mar 73
ADENOCARCINOMA, enzymology/ *ADENOCARCINOMA, metabolism/ ALANINE, metabolism/ AMINO ACIDS, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CITRATE SYNTHASE, metabolism/ FATTY ACIDS, biosynthesis/ FEMALE/ GLUCOSE, metabolism/ *GLYCOLYSIS/ IN VITRO/ LACTATES, metabolism/ *LACTATION/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MICE, INBRED C3H/ NAD, metabolism/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATES, metabolism

2062. **Kopelovich L:** The utilization of 14 C-labeled lactate, pyruvate and alanine by prelactating tissues and hyperplastic alveolar nodule outgrowths.
Proc Soc Exp Biol Med 142:963-7, Mar 73
ALANINE, metabolism/ AMINO ACIDS, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, biosynthesis/ CARBON ISOTOPES/ CITRATE SYNTHASE, metabolism/ FATTY ACIDS, biosynthesis/ FEMALE/ GLUCOSE, metabolism/ *GLYCOLYSIS/ HYPERPLASIA/ HYPERPLASIA, metabolism/ IN VITRO/ LACTATES, metabolism/ LACTATION/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ PRECANCEROUS CONDITIONS, enzymology/ *PRECANCEROUS CONDITIONS, metabolism/ PYRUVATES, metabolism/ SUCCINATES, metabolism

2063. **Koprowski JA, Tucker HA:** Serum prolactin during various physiological states and its relationship to milk production in the bovine.
Endocrinology 92:1480-7, May 73
ANIMAL EXPERIMENTS/ CATTLE/ CATTLE/ ESTRUS/ FEMALE/ FETUS/ *LACTATION/ PARITY/ PREGNANCY/ *PROLACTIN, blood/ SEASONS/ SEX FACTORS/ TIME FACTORS

2064. **Kopytkin IuV, Speranskiĭ SK:** Nakhozhdenie koéffitsientov analiticheskoĭ approksimatsii sechenií vzaimodeĭstviia gamma-kvantov s biologicheskoĭ tkan'iu.
Radiobiologiia 12:785-8, Sep-Oct 72 (Rus)
*ADIPOSE TISSUE/ *BONE AND BONES/ ENGLISH ABSTRACT/ HUMAN/ *LUNG/ *MUSCLES/ *RADIATION DOSAGE

2065. **Korda A, Shearman RP, Smith ID:** Termination of pregnancy by intra-uterine prostaglandin F 2
Aust NZ J Obstet Gynaecol 12:166-9, Aug 72
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNION/ ANESTHESIA, GENERAL/ CERVIX UTERI/ COMPARATIVE STUDY/ CURETTAGE/ FEMALE/ GYNECOLOGIC DISEASES, etiology/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ TIME FACTORS

2066. **Korec R:** Samuil Mojsiejevič Lejtes (1899-1972.
Vnitr Lek 19:392, Apr 73 (Slo)
CURRENT BIOG-OBIT/ DIABETES MELLITUS, history/ DIABETES MELLITUS, therapy/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ UKRAINE

2067. **Korelitz BI, Glass JL, Wisch N:** Long-term immunosuppressive therapy of ulcerative colitis. Continuation of a personal series.
Am J Dig Dis 18:317-22, Apr 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *COLITIS, ULCERATIVE, drug therapy/ COLITIS, ULCERATIVE, radiography/ COLITIS, ULCERATIVE, surgery/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LEUKOPENIA, chemically induced/ MALE/ MERCAPTOPURINE, administration & dosage/ MERCAPTOPURINE, adverse effects/ *MERCAPTOPURINE, therapeutic use/ NAUSEA, chemically induced/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ RECURRENCE/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ TIME FACTORS/ VOMITING, chemically induced

2068. **Koren E, Milković S:** 'Collagenase-like peptidase in human, rat and bull spermatozoa.
J Reprod Fertil 32:349-56, Mar 73
AMINO ACIDS, metabolism/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ *CLOSTRIDIOPEPTIDASE A, isolation & purification/ FERTILIZATION/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MOLECULAR WEIGHT/ RATS/ SEMEN, enzymology/ *SPERMATOZOA, enzymology/ TESTIS, enzymology

2069. **Koreneva GP, Mironenko AP, Korenev IP:** Osobennosti teloslozheniia i éndokrinnye sdvigi u zhenshchin, stradiushchikh nevynashivaniem heremennosti.
Vopr Okhr Materin Det 17:48-51, Nov 72 (Rus)
*ABORTION, HABITUAL/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ MENSTRUATION/ OVARIAN DISEASES/ *OVULATION/ PREGNANCY/ *SOMATOTYPES

2070. **Koreneva GP, Mironenko AP, Gubenko LF, et al:** Orhaniztsiia dyspanseryzatsii vahitnykh z nedonoshuvanniam.
Pediatr Akush Ginekol 6:39-43, 1972 (Ukr)
ABORTION, HABITUAL, etiology/ *ABORTION, HABITUAL, therapy/ ABORTION, THREATENED, therapy/ *AMBULATORY CARE/ DIETHYLSTILBESTROL, therapeutic use/ ENDOCRINE DISEASES, complications/ FEMALE/ GYNECOLOGIC DISEASES, complications/ HUMAN/ 17-KETOSTEROIDS, urine/ *MATERNAL HEALTH SERVICES/ METHODS/ PREGNANCY/ PROGESTERONE, therapeutic use/ SOMATOTYPES/ UKRAINE

2071. **Korik GG:** Opredelenie androgennoi nasyshchennosti organizma s pomoshch'iu gormonal'nykh kozhnykh prob.
Urol Nefrol (Mosk) 38:49-52, Jan-Feh 73 (Rus)
ADULT/ AGED/ *ANDROGENS, analysis/ ENGLISH ABSTRACT/ *ESTROGENS, analysis/ ESTRONE, diagnostic use/ HISTAMINE, diagnostic use/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PROSTATIC DISEASES, diagnosis/ *SKIN TESTS/ TESTOSTERONE, diagnostic use/ *UROLOGIC DISEASES, diagnosis

2072. **Korobko IuA:** Opukholi semennika, vyzvannye tseliofanom.
Vopr Onkol 18:65-9, 1972 (Rus)
ANIMAL EXPERIMENTS/ *CELLOPHANE/ *CHONDROBLASTOMA, chemically induced/ *DISGERMINOMA, chemically induced/ ENGLISH ABSTRACT/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ RATS/ *TESTICULAR NEOPLASMS, chemically induced

2073. **Korz R:** Rhodanidsynthese und Cyanidstoff wechsel bei chronischer Niereninsuffizienz.
Med Welt 23:1799-800, 25 Nov 72 (Ger)
*CYANIDES, metabolism/ HUMAN/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ *THIOCYANATES, biosynthesis

2074. **Koskimies AI, Kormano M, Alfthan O:** Proteins of the seminiferous tubule fluid in man--evidence for a blood-testis barrier. J Reprod Fertil 32:79-86, Jan 73
ALBUMINS, analysis/ BLOOD PROTEIN ELECTROPHORESIS/ BODY FLUIDS, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ MALE/ *PROTEINS, analysis/ SPERMATOGENESIS/ *TESTIS, analysis/ TESTIS, anatomy & histology/ TESTIS, pathology/ TESTIS, physiology

2075. **Koslovskaya IB, Vertes RP, Miller NE:** Instrumental learning without proprioceptive feedback. Physiol Behav 10:101-7, Jan 73
ANIMAL EXPERIMENTS/ CONDITIONING, CLASSICAL/ *CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDBACK/ HINDLIMB, innervation/ HYPOTHALAMUS, physiology/ KINESTHESIS/ MALE/ MOTOR ACTIVITY/ *MOTOR NEURONS, physiology/ NEURAL TRANSMISSION/ PARALYSIS, chemically induced/ *PROPRIOCEPTION/ RATS/ REWARD/ *SCIATIC NERVE, physiology/ SELF STIMULATION/ TUBOCURARINE

2076. **Kostyra J:** Zarys historii trzebienia zwierząt ze szczególnym uwzględnieniem trzebienia w Polsce. Pol Arch Weter 15:175-88, 1972 (Pol)
ANIMAL EXPERIMENTS/ ANIMALS, DOMESTIC/ CASTRATION, history/ *CASTRATION, veterinary/ ENGLISH ABSTRACT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 15TH CENT./ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, MEDIEVAL/ MALE/ METHODS/ POLAND

2077. **Kotchen TA, Flamenbaum W, Cirksena W, et al:** Comparison of a biological and an immunological assay for the measurement of plasma renin activity. J Clin Endocrinol Metab 36:804-10, May 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DIURESIS, drug effects/ DOGS/ FUROSEMIDE, pharmacodynamics/ HEMORRHAGE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ IODINE ISOTOPES/ KIDNEY FAILURE, CHRONIC, blood/ METHODS/ *RADIOIMMUNOASSAY/ *RENIN, blood

2078. **Kotchen TA, Hogan RP, Boyd AE, et al:** Renin, noradrenaline and adrenaline responses to simulated altitude. Clin Sci 44:243-51, Mar 73
ADULT/ *ALTITUDE/ *EPINEPHRINE, blood/ EPINEPHRINE, urine/ HUMAN/ MALE/ *NOREPINEPHRINE, blood/ NOREPINEPHRINE, urine/ POSTURE/ RENIN, blood/ SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS

2079. **Kotliarov EV, Filatov AA:** Kolichestvennaia otsenka endogennof stimuliatsii nakopleniia izotopov I-131 i Tc99m v diagnostike uzlovogo toksicheskogo zoba. Med Radiol (Mosk) 18:11-6, Jan 73 (Rus)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, diagnosis/ GOITER, NODULAR, physiopathology/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ *TECHNETIUM, diagnostic use/ THYROID GLAND, physiopathology/ THYROID GLAND, radiation effects/ THYROID GLAND FUNCTION TESTS

2080. **Koulischer L, Tijskens J, Mortelmans J:** Chromosome studies of a fertile mammalian hybrid: the offspring of the cross bongo x sitatunga (Bovoidea). Chromosoma 41:265-70, 1973
ANIMAL EXPERIMENTS/ ANIMALS, ZOO/ *ARTIODACTYLA/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ CROSSES, GENETIC/ DIPLOIDY/ FEMALE/ FERTILITY/ *HYBRIDIZATION/ KARYOTYPING/ MALE/ MEIOSIS/ SEX CHROMOSOMES

2081. **Kountz SL:** Clinical transplantation--an overview. Transplant Proc 5:59-65, Mar 73
ANTIBODY FORMATION/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DIALYSIS/ GRAFT REJECTION/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ *TRANSPLANTATION IMMUNOLOGY

2082. **Kourounakis P, Szabo S, Werringloer J, et al:** Effect of various steroids and ACTH on plasma levels of zoxazolamine and dicumarol. J Pharm Sci 62:690-2, Apr 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BISHYDROXYCOUMARIN, blood/ *CORTICOTROPIN, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYDROXYDIONE, pharmacodynamics/ PARALYSIS, chemically induced/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *STEROIDS, pharmacodynamics/ TRIAMCINOLONE, pharmacodynamics/ ZOXAZOLAMINE/ *ZOXAZOLAMINE, blood

2083. **Kovacs K:** Adenohypophysial necrosis in routine autopsies. Endokrinologie 60:309-16, 1972
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUTOPSY/ FEMALE/ HUMAN/ INFARCTION/ MALE/ MIDDLE AGE/ NECROSIS/ ORGAN WEIGHT/ *PITUITARY DISEASES, pathology/ PITUITARY GLAND/ PITUITARY GLAND, blood supply/ SEX FACTORS

2084. **Kovacs K, Horvath E:** Pituitary "chromophobe" adenoma composed of oncocytes. A light and electron microscopic study. Arch Pathol 95:235-9, Apr 73
ADENOMA, diagnosis/ *ADENOMA, pathology/ ADENOMA, CHROMOPHOBE, diagnosis/ *ADENOMA, CHROMOPHOBE, pathology/ ADULT/ CYTOPLASM/ CYTOPLASMIC GRANULES/ DIAGNOSIS, DIFFERENTIAL/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, pathology/ STAINS AND STAINING

2085. **Kovacs K, Horvath E:** Platelets in the cytoplasm of adrenocortical cells injured by temporary ischemia. Z Mikrosk Anat Forsch 86:394-8, 1972
*ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS/ BLOOD PLATELETS, enzymology/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASM/ FEMALE/ ISCHEMIA/ LIPIDS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NECROSIS/ RATS/ REGIONAL BLOOD FLOW/ TIME FACTORS

2086. **Kovacs K, Lazar G:** Observations on the nontoxicity of Worcestershire sauce in the rat kidney. Int J Vitam Nutr Res 43:81-3, 1973
ANIMAL EXPERIMENTS/ CALCINOSIS, chemically induced/ CHLORIDES/ *CONDIMENTS, adverse effects/ DIHYDROTACHYSTEROL/ FEMALE/ KIDNEY, drug effects/ KIDNEY DISEASES, chemically induced/ MERCURY/ RATS/ SPECIES SPECIFICITY

2087. **Kovács M, Vass L, Sellyei M:** Detection of Y chromatin and Barr bodies in histological sections by quinacrine fluorescence. Stain Technol 48:94-6, Mar 73
APPENDIX, cytology/ FEMALE/ FLUORESCENT DYES/ HUMAN/ KARYOTYPING/ LUNG, cytology/ MALE/ METHODS/ MUSTARD COMPOUNDS/ *QUINACRINE/ *SEX CHROMATIN/ *SEX CHROMOSOMES/ SKIN, cytology/ *STAINS AND STAINING/ STOMACH, cytology/ THYROID GLAND, cytology

2088. **Kovács-Proszt G, Sanner T:** X-ray inactivation in solution of rennin from Mucor pusillus.
Radiat Res 53:444-54, Mar 73
CASEIN/ CYSTEAMINE/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HEAT/ MILK/ *MUCOR, enzymology/ *RADIATION EFFECTS/ *RENIN, radiation effects

2089. **Kovalev VF, Shliakhtova NF:** Sindrom Morgan'i-Morelia-Stiuarta u bol'nykh s gipoplaziei pochki. Ter Arkh 44:85-8, Sep 72 (Rus)
ADULT/ CEREBROVASCULAR CIRCULATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPEROSTOSIS FRONTALIS INTERNA, complications/ HYPEROSTOSIS FRONTALIS INTERNA, radiography/ HYPERTENSION, RENAL, etiology/ HYPOTHALAMUS/ KIDNEY DISEASES, complications/ *KIDNEY DISEASES, congenital

2090. **Kozhura IM, Suslov EI:** Pro vidtvorennia eksperymental'noi hiperlipemii i lipoidozu arterii shchuriv.
Fiziol Zh 18:790-5, Nov-Dec 72 (Ukr)
ANIMAL EXPERIMENTS/ BILE ACIDS AND SALTS, pharmacodynamics/ CAROTID ARTERY DISEASES, blood/ *CAROTID ARTERY DISEASES, chemically induced/ CATTLE/ CHOLESTEROL, pharmacodynamics/ ENGLISH ABSTRACT/ HYPERLIPEMIA, blood/ *HYPERLIPEMIA, chemically induced/ LIPOIDOSIS, blood/ *LIPOIDOSIS, chemically induced/ METHYLTHIOURACIL, pharmacodynamics/ RATS

2091. **Kozinets GI, Bogolavlenskaia MP, Al'perovich VV, et al:** Izmenenie limfotsitov perifericheskof krovi pri luchevof terapii.
Med Radiol (Mosk) 17:11-6, Nov 72 (Rus)
ADULT/ BREAST NEOPLASMS, radiotherapy/ CHORIOCARCINOMA, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LEUKOCYTES, metabolism/ LEUKOCYTES, radiation effects/ *LYMPHOCYTE TRANSFORMATION, radiation effects/ MIDDLE AGE/ OVARIAN NEOPLASMS, radiotherapy/ PLANT AGGLUTININS, pharmacodynamics/ *RADIOTHERAPY, adverse effects/ THYMIDINE, metabolism/ TRITIUM/ UTERINE NEOPLASMS, radiotherapy

2092. **Kozlov GI:** Vliianie gliukokortikoidov na obmen kaliia i natriia pri lechenii bol'nykh s vrozhdennof disfunktsief kory nadpochechnikov.
Probl Endokrinol (Mosk) 19:32-4, Jan-Feb 73 (Rus)
ADOLESCENCE/ ADRENOGENITAL SYNDROME, blood/ *ADRENOGENITAL SYNDROME, drug therapy/ ADRENOGENITAL SYNDROME, urine/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ *POTASSIUM, blood/ *PREDNISOLONE, therapeutic use/ *SODIUM, blood

2093. **Kozlowski K, Rafinski T, Kucharska K:** Metaphyseal and epiphyseal dysplasia with unusual facies and cataract. Am J Dis Child 125:553-6, Apr 73
*ABNORMALITIES, MULTIPLE/ BLOOD SUGAR, analysis/ *BONE DISEASES, DEVELOPMENTAL, radiography/ *CATARACT, complications/ CHILD/ *DWARFISM, complications/ *EPIPHYSES/ *FACIAL EXPRESSION/ FEMALE/ GENITALIA, FEMALE, abnormalities/ GONADOTROPINS, urine/ GROWTH DISORDERS, complications/ HUMAN/ KARYOTYPING/ MENTAL RETARDATION, complications/ PSYCHOMOTOR DISORDERS, complications/ SYNDROME

2094. **Kozlowski K, Szmigiel C, Konik R, et al:** Osteopetrosis with precocious manifestations. (Report of 3 familial and 1 sporadic case). Australas Radiol 16:311-5, Sep 72
CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *OSTEOPETROSIS/ OSTEOPETROSIS, familial & genetic/ OSTEOPETROSIS, radiography/ PEDIGREE

2095. **Kraemer MA, Raeside JI:** Perfusion of the boar testis with androstenediol sulfate in vivo and studies on the in vitro metabolism of androgens by porcine blood cells. Can J Biochem 51:390-6, Apr 73
*ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ *ANDROSTENES, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ *ERYTHROCYTES, metabolism/ HYDROXYSTEROIDS/ MALE/ PERFUSION/ SWINE/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM

2096. **Kraft D, Schaefer K, Bochentin W, et al:** Untersuchungen zum Calcium-Stoffwechsel bei antiepileptischer Therapie.
Nervenarzt 44:150-4, Mar 73 (Ger)
ADULT/ ALKALINE PHOSPHATASE, blood/ *ANTICONVULSANTS, therapeutic use/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CREATININE, blood/ DIAZEPAM, therapeutic use/ DIPHENYLHYDANTOIN, therapeutic use/ DRUG COMBINATIONS/ *EPILEPSY, drug therapy/ ETHOSUXIMIDE, therapeutic use/ FEMALE/ HUMAN/ LONG TERM CARE/ MALE/ PHENOBARBITAL, therapeutic use/ PHENOTHIAZINE TRANQUILIZERS, therapeutic use/ PIPERAZINES, therapeutic use/ PRIMIDONE, therapeutic use/ TIME FACTORS

2097. **Kragh-Hansen U, Moller JV:** Protein binding of small molecules. I. Effect of pH and inorganic salts on the combination of phenol red with proteins.
Biochim Biophys Acta 295:438-46, 21 Feb 73
BINDING SITES/ CHICKENS/ EGG WHITE/ FLUORIDES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LACTOGLOBULINS/ MATHEMATICS/ MURAMIDASE/ OVALBUMIN/ PEPSIN/ *PHENOLPHTHALEINS/ PHOSPHATES/ POTASSIUM/ POTASSIUM CHLORIDE/ POTASSIUM IODIDE/ *PROTEIN BINDING/ *SERUM ALBUMIN/ SULFATES/ THIOCYANATES/ ULTRAFILTRATION

2098. **Kragt CL, Cons J:** Radioimmunoassay of ovine FSH.
J Anim Sci 36:908-13, May 73
ANIMAL EXPERIMENTS/ FEMALE/ *FSH, analysis/ GEL DIFFUSION TESTS/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ *RADIOIMMUNOASSAY/ RATS/ SHEEP

2099. **Kraicer J, Gosbee JL, Bencosme SA:** Pars intermedia and pars distalis: two sites of ACTH production in the rat hypophysis. Neuroendocrinology 11:156-76, 1973
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, secretion/ FEEDBACK/ HYDROCORTISONE, pharmacodynamics/ IMMUNE SERUMS/ IMMUNOGLOBULINS/ MALE/ MICROSCOPY, ELECTRON/ PEROXIDASES/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ RATS/ STAINS AND STAINING

2100. **Krantz SB:** Thymoma and red-cell aplasia.
N Engl J Med 288:1185-6, 31 May 73
*ANEMIA, APLASTIC, therapy/ BONE MARROW CELLS, metabolism/ *ERYTHROCYTES, ABNORMAL/ *ERYTHROPOIESIS/ HUMAN/ IN VITRO/ IRON ISOTOPES/ THYMECTOMY/ *THYMOMA, therapy/ *THYMUS NEOPLASMS, therapy

2101. **Krashennikova MM, Shekhter AB:** Primenenie kollagena pri vital'nof amputatsii pul'py zuba v éksperimente.
Stomatologiia (Mosk) 52:1-4, Mar-Apr 73 (Rus)
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *COLLAGEN, pharmacodynamics/ DENTAL

*PULPOTOMY

2102. **Kratochwil A:** Die Ultraschalldiagnostik in Geburtshilfe und Perinatologie.
Z Geburtshilfe Perinatol 176:425-38, Dec 72 (Ger)
ABORTION, diagnosis/ AMNIOCENTESIS/ ANENCEPHALUS, diagnosis/ CEPHALOMETRY/ ECHOCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART/ FETUS/ GESTATIONAL AGE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYDROCEPHALUS, diagnosis/ LABOR COMPLICATIONS, diagnosis/ PELVIMETRY/ PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, radiography/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, diagnosis/ PREGNANCY, ECTOPIC, diagnosis/ PREGNANCY, MULTIPLE/ TROPHOBLASTIC TUMOR, diagnosis/ *ULTRASONICS, diagnostic use

2103. **Kratochwil A:** Ultraschalldiagnostik.
Fortschr Med 91:63-5, 18 Jan 73 (Ger)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FETAL DISEASES, diagnosis/ GALLBLADDER DISEASES, diagnosis/ HEART DISEASES, diagnosis/ HUMAN/ KIDNEY DISEASES, diagnosis/ LIVER DISEASES, diagnosis/ MALE/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *ULTRASONICS, diagnostic use

2104. **Krause W, Seewald HJ, Volkmer H:** Kardio-tokographische Untersuchungen bei "small for date infants".
Zentralbl Gynaekol 95:87-92, 19 Jan 73 (Ger)
*BIRTH WEIGHT/ ELECTROCARDIOGRAPHY/ EXTRACTION, OBSTETRICAL/ FEMALE/ FETAL DISEASES, diagnosis/ FETAL DISEASES, etiology/ HEART RATE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ INFANT, NEWBORN, DISEASES, etiology/ LABOR/ PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ TIME FACTORS

2105. **Krček L:** Příspěvek k sledovanání vlivu acidogenick látek na kostní metabolism us krysy. Studie pomocí radiostroncia 85 Sr.
Cas Lek Cesk 112:589-94, 11 May 73 (Cze)
*ACIDS, metabolism/ AMMONIUM CHLORIDE, administration & dosage/ AMMONIUM CHLORIDE, metabolism/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ DIET/ ENGLISH ABSTRACT/ RATS/ STRONTIUM ISOTOPES, metabolism

2106. **Kreider JW, Rosenthal M, Lengle N:** Cyclic adenosine 3',5'-monophosphate in the control of melanoma cell replication and differentiation.
J Natl Cancer Inst 50:555-8, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CAFFEINE, metabolism/ *CAFFEINE, pharmacodynamics/ *CELL DIFFERENTIATION, drug effects/ *CELL DIVISION, drug effects/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED, drug effects/ DENDRITES, drug effects/ IN VITRO/ MELANIN, metabolism/ MELANOMA, drug therapy/ *MELANOMA, pathology/ METHODS/ *THEOPHYLLINE, pharmacodynamics

2107. **Kreis WR, Lindenauer SM, Dent TL:** Corticosteroids in experimental fat embolization.
J Surg Res 14:238-46, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ DOGS/ EMBOLISM, FAT, chemically induced/ *EMBOLISM, FAT, drug therapy/ EMBOLISM, FAT, pathology/ EMBOLISM, FAT, radiography/ FEMORAL VEIN/ *GLUCOCORTICOIDS, therapeutic use/ administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ OLEIC ACID/ OXYGEN, blood/ PULMONARY ARTERY/ PULMONARY EMBOLISM, chemically induced/ PULMONARY EMBOLISM, drug therapy/ PULMONARY EMBOLISM, pathology/ PULMONARY EMBOLISM, radiography/ PULSE

2108. **Kremer D, Fraser R, Brown JJ, et al:** Amiloride in primary hyperaldosteronism with chronic peptic ulceration. Br Med J 2:216-7, 28 Apr 73
AGED/ AMILORIDE, therapeutic use/ BICARBONATES, blood/ BLOOD PRESSURE/ BODY WATER/ CHLORIDES, blood/ CHRONIC DISEASE/ *DIURETICS, therapeutic use/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ *HYPERALDOSTERONISM, drug therapy/ HYPERTENSION, complications/ HYPERTENSION, drug therapy/ *PEPTIC ULCER, complications/ POTASSIUM, blood/ *PYRAZINES, therapeutic use/ SODIUM, blood/ SPIRONOLACTONE, adverse effects/ UREA, blood

2109. **Krestinskaia TV, Manusova NB:** Vliianie kortikosteroidov na aktivnost' Na-K-adenozintrifosfatazy, nekotorykh degidrogenaz i karboangidrazy v kletakh pochechnykh kanal'tsev krysy.
Probl Endokrinol (Mosk) 19:94-8, Jan-Feb 73 (Rus)
*ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARBONIC ANHYDRASE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMATE DEHYDROGENASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ ISOCITRATE DEHYDROGENASE, metabolism/ KETONE OXIDOREDUCTASES, metabolism/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, enzymology/ MALATE DEHYDROGENASE, metabolism/ *OXIDOREDUCTASES, metabolism/ POTASSIUM/ RATS/ SODIUM/ SUCCINATE DEHYDROGENASE, metabolism

2110. **Kretkowsk RC:** Urinary tract involvement in epidermolysis bullosa. Pediatrics 51:938-41, May 7
BLADDER DISEASES, etiology/ CHILD, PRESCHOOL/ *EPIDERMOLYSIS BULLOSA, complications/ EPIDERMOLYSIS BULLOSA, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYDRONEPHROSIS, etiology/ MALE/ PENILE DISEASES, etiology/ URETHRAL STRICTURE, drug therapy/ *URETHRAL STRICTURE, etiology/ URINATION DISORDERS, etiology

2111. **Kretschmer H, Grässer A:** Serologische Untersuchungen mit Clostridiensporen zur Tumordiagnostik. I. Untersuchungen an transplantablen Tumoren bei Ratten und Hamstern
Arch Geschwulstforsch 41:12-7, 1973 (Ger)
ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL/ ANTIBODY FORMATION, drug effects/ *CLOSTRIDIUM/ CYCLOPHOSPHAMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ HAMSTERS/ MALE/ MELANOMA, diagnosis/ *NEOPLASMS, EXPERIMENTAL, diagnosis/ NEOPLASMS, EXPERIMENTAL, immunology/ ONCOLYSIS/ PREDNISOLONE, pharmacodynamics/ RATS/ SARCOMA, JENSEN, diagnosis/ SERODIAGNOSIS/ SPORES, BACTERIAL

2112. **Kreze A:** Steroidní diagnostika poruch adrenokortex I. Bazální hladiny steroidov.
Bratisl Lek Listy 59:102-14, 1973 (Slo)
ADOLESCENCE/ *ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, metabolism/ ADULT/ AGED/ CHILD/ FEMALE/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, metabolism *17-HYDROXYCORTICOSTEROIDS, metabolism

*17-KETOSTEROIDS, metabolism/ MALE/ MIDDLE AGE

2113. **Kreze A:** Steroidná diagnostika porúch adrenokortexu. IV. Faktory ovplyvňujúce spolahlivost vyšetrenia.
Bratisl Lek Listy 59:495-500, Apr 73 (Slo)
*ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, metabolism/ *CORTICOTROPIN, diagnostic use/ *DEXAMETHASONE, diagnostic use/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, metabolism/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ 17-KETOSTEROIDS, metabolism/ METHODS/ PITUITARY-ADRENAL FUNCTION TESTS

2114. **Kreze A:** Steroidná diagnostika porúch adrenokortexu. 3. Stressové testy a cirkadiánna periodicita steroidov.
Bratisl Lek Listy 59:357-68, 1973 (Slo)
ADRENAL GLAND DISEASES, blood/ *ADRENAL GLAND DISEASES, diagnosis/ *CIRCADIAN RHYTHM/ *GLUCOCORTICOIDS, blood/ HUMAN/ INSULIN, diagnostic use/ LYSINE, diagnostic use/ PYROGENS, diagnostic use/ STRESS, chemically induced/ VASOPRESSIN, diagnostic use

2115. **Krichinskaia EB:** Stroenie nervnoĭ sistemy turbelliarii.
Arkh Anat Gistol Embriol 63:99-110, Sep 72 (Rus)
ALKALINE PHOSPHATASE, metabolism/ AMINES, metabolism/ ANIMAL EXPERIMENTS/ CHOLINESTERASE, metabolism/ CYTOPLASMIC GRANULES/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ NERVE REGENERATION/ NERVOUS SYSTEM, anatomy & histology/ NERVOUS SYSTEM, cytology/ NERVOUS SYSTEM, growth & development/ NERVOUS SYSTEM, metabolism/ NEUROSECRETORY SYSTEMS, physiology/ REVIEW/ SYNAPSES/ *TURBELLARIA, anatomy & histology/ TURBELLARIA, growth & development/ TURBELLARIA, physiology

2116. **Krieger AJ, Jannetta PJ:** Pain in the back and lower extremities. Curr Probl Surg 32-43, Feb 73
ARACHNOIDITIS, surgery/ *BACKACHE/ BACKACHE, etiology/ CEREBROSPINAL FLUID/ CHORDOTOMY/ CHRONIC DISEASE/ ELECTRIC STIMULATION/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ INJECTIONS, INTRATHECAL/ INTERVERTEBRAL DISK DISPLACEMENT, diagnosis/ INTERVERTEBRAL DISK DISPLACEMENT, therapy/ *LEG/ LUMBOSACRAL PLEXUS, surgery/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PAIN/ PAIN, drug therapy/ PAIN, etiology/ PAIN, surgery/ SODIUM CHLORIDE, therapeutic use

2117. **Krishnaswami V, Barman PC, Bell PL, et al:** A clinical study of pulmonary embolic disease.
Ohio State Med J 69:281-4, Apr 73
ADULT/ AGED/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HOSPITALS/ HUMAN/ INFARCTION, diagnosis/ LUNG, blood supply/ LUNG, radiography/ MALE/ MIDDLE AGE/ OHIO/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, chemically induced/ *PULMONARY EMBOLISM, diagnosis/ PULMONARY EMBOLISM, etiology/ RETROSPECTIVE STUDIES

2118. **Krmpotić-Nemanić J, Nemanić G, Kostovic I:** Welterer Beitrag zur Atiologie der Presbyacusis.
Acta Otolaryngol (Stockh) 75:211-5, Feb-Mar 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ATROPHY/ *BONE AND BONES/ DEAFNESS, etiology/ ENGLISH ABSTRACT/ HUMAN/ *NEURONS/ ORGAN OF CORTI/ PRESBYCUSIS, etiology/ RATS

2119. **Krogsgaard AR, Nielsen B:** Undersogelser over antidiuretisk aktivitet ved levercirrose.
Ugeskr Laeger 135:580-5, 12 Mar 73 (Dan)
AGED/ DIURESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, enzymology/ *LIVER CIRRHOSIS, metabolism/ MALE/ MIDDLE AGE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ *SODIUM, metabolism/ *VASOPRESSIN, metabolism/ *WATER-ELECTROLYTE BALANCE

2120. **Kröhl R, Leuschner U:** Neue Aspekte zur Pathogenese des Aszites bei Leberzirrhose aus laparoskopischer Sicht. Z Gastroenterol 10:429-32, Sep 72 (Ger)
*ASCITES, etiology/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTENSION, PORTAL, complications/ LAPAROSCOPY/ *LIVER CIRRHOSIS, complications/ LYMPH, analysis/ PROTEINS, analysis

2121. **Krohn K, Sherman L, Welch M:** Studies of radioiodinated fibrinogen. I. Physicochemical properties of the ICl, chloramine-T, and electrolytic reaction products.
Biochim Biophys Acta 285:404-13, 28 Dec 72
ANIMAL EXPERIMENTS/ *CHLORAMINES/ CHLORIDES/ DOGS/ ELECTROLYSIS/ *FIBRINOGEN/ GEL FILTRATION/ HUMAN/ HYDROLYSIS/ IODIDES/ *IODINE/ IODINE ISOTOPES/ ISOTOPE LABELING/ KINETICS/ MOLECULAR WEIGHT/ SODIUM/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TYROSINE

2122. **Krokowski E:** Möglichkeiten einer radiologischen Bestimmung der Mineralkonzentration im Knochen.
Radiologe 13:97-101, Mar 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ BONE AND BONES, analysis/ *BONE AND BONES, radiography/ CALCIUM, analysis/ FEMALE/ HUMAN/ HYDROXYAPATITE, analysis/ MALE/ METHODS/ MIDDLE AGE/ *MINERALS, analysis/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ SEX FACTORS

2123. **Krokowski E, Falck I, Krastel A:** Natriumfluorid-Behandlung der Osteoporose.
Munch Med Wochenschr 115:511-2, 23 Mar 73 (Ger)
ADRENAL CORTEX HORMONES, adverse effects/ FLUORIDES, adverse effects/ *FLUORIDES, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, prevention & control/ SODIUM, therapeutic use/ TIME FACTORS

2124. **Kronfeld DS:** Ketosis in pregnant sheep and lactating cows. A review. Aust Vet J 48:680-7, Dec 72 (29 ref.)
ACIDOSIS, etiology/ ACIDOSIS, therapy/ *ACIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ BICARBONATES, therapeutic use/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, etiology/ CATTLE DISEASES, therapy/ CESAREAN SECTION, veterinary/ DIET THERAPY/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ GLUCOSE, therapeutic use/ INSULIN, PROTAMINE ZINC, therapeutic use/ *LACTATION/ PREGNANCY/ PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, therapy/ *PREGNANCY TOXEMIAS, veterinary/ REVIEW/ SHEEP/ *SHEEP DISEASES/ SHEEP DISEASES, etiology/ SHEEP DISEASES, therapy

2125. **Krotoski DM, Elmer WA:** Alkaline phosphatase activity in fetal hind limbs of the mouse mutation brachypodism. Teratology 7:99-106, Feb 73
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *BONE AND BONES, enzymology/ *FETUS, enzymology/ *HINDLIMB, abnormalities/ HISTOCYTOCHEMISTRY/ MICE

2126. **Krous HF, Hamlin WB:** Pulmonary toxicity due to bleomycin. Report of a case.
Arch Pathol 95:407-10, Jun 73
AGED/ *ANTIBIOTICS, ANTINEOPLASTIC, adverse effects/ BLEOMYCIN, adverse effects/ *CYCLOPHOSPHAMIDE, antagonists & inhibitors/ HUMAN/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, etiology/ LUNG DISEASES, mortality/ LUNG DISEASES, pathology/ MALE/ PREDNISONE,

adverse effects/ VINCRISTINE, adverse effects

2127. **Krueger AP:** Are air ions biologically significant? A review of a controversial subject.
Int J Biometeorol 16:313-22, Dec 72 (48 ref.)
*AIR IONIZATION/ BIOLOGY/ CLINICAL RESEARCH/ *IONS/ MICE/ RESPIRATORY TRACT INFECTIONS, etiology/ REVIEW/ SEROTONIN, physiology/ WEATHER

2128. **Krumholz BA, Lobovsky FY, Halitsky V:** Endolymphatic stromal myosis with pulmonary metastases. Remission with progestin therapy: report of a case. J Reprod Med 10:85-9, Feb 73
ADULT/ CASE REPORT/ CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, surgery/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, therapeutic use/ HYSTERECTOMY/ *LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiography/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, therapeutic use/ NEOPLASM METASTASIS/ *PROGESTATIONAL HORMONES, therapeutic use/ *SARCOMA/ SARCOMA, pathology/ SARCOMA, radiography/ SARCOMA, surgery/ *UTERINE NEOPLASMS

2129. **Kruś S:** Hepatic glycogen nuclei and endocrine system.
Pol Med J 11:1634-9, 1972
ADULT/ AGED/ CELL COUNT/ *CELL NUCLEUS/ CEREBRAL HEMORRHAGE, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *LIVER, pathology/ *LIVER GLYCOGEN/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, pathology/ PERITONITIS, pathology/ PITUITARY DISEASES, pathology/ PITUITARY GLAND, pathology/ PULMONARY EMBOLISM, pathology/ THYROID DISEASES, pathology

2130. **Kruze D, Iwańska J, Stanowski E:** Hydroksyprolina w moczu chorych z nadczynnością tarczycy leczonych chirurgicznie.
Pol Arch Med Wewn 50:251-7, Mar 73 (Pol)
AMINES, urine/ ENGLISH ABSTRACT/ GOITER, surgery/ HUMAN/ *HYDROXYPROLINE, urine/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, urine/ NITROGEN, urine/ TIME FACTORS

2131. **Krzywdziński K, Teter J, Jędrzejewski M:** Kliniczne efekty doustnej antykoncepcji przy użyciu dwuoctanu ethynodiolu (preparat Bisecurin) w zależności od komponentu estrogennego.
Ginekol Pol 44:271-5, Mar 73 (Pol)
ADULT/ *CONTRACEPTIVES, ORAL/ ENGLISH ABSTRACT/ ESTROGENS, analysis/ ESTROGENS, pharmacodynamics/ *ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ TIME FACTORS

2132. **Kubicz A:** Kwaśne fostatazy, heterogenność, budowa chemiczna oraz właściwości fizyko-chmichzne.
Postepy Biochem 19:37-54, 1973 (Pol)
*ACID PHOSPHATASE/ ACID PHOSPHATASE, classification/ ACID PHOSPHATASE, isolation & purification/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ERYTHROCYTES, enzymology/ ESCHERICHIA COLI, enzymology/ HOUSEFLIES, enzymology/ HUMAN/ HYDROLYSIS/ LIVER, enzymology/ MYOCARDIUM, enzymology/ NEUROSPORA CRASSA, enzymology/ PLACENTA, enzymology/ PLANTS, enzymology/ SPLEEN, enzymology/ STAPHYLOCOCCUS, enzymology

2133. **Kuć A, Popławski W, Targoński R, et al:** Influence of Nerobolil on regeneration and histochemical reactions in striated muscles.
Folia Morphol (Warsz) 32:89-101, 1973
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ GLYCOGEN, analysis/ LIPIDS, metabolism/ MALE/ MUSCLES, analysis/ *MUSCLES, drug effects/ MUSCLES, enzymology/ *NANDROLONE, pharmacodynamics/ OXIDOREDUCTASES, analysis/ RATS/ *REGENERATION, drug effects

2134. **Kuchera LK:** The morning-after pill.
JAMA 224:1038, 14 May 73
*CONTRACEPTIVES, POSTCOITAL/ *DIETHYLSTILBESTROL, administration & dosage/ FEMALE/ HUMAN/ PREGNANCY

2135. **Kuczenski R:** Rat brain tyrosine hydroxylase. Activation by limited tryptic proteolysis.
J Biol Chem 248:2261-5, 10 Apr 73
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *BRAIN, enzymology/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHONDROITIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ HEPARIN, pharmacodynamics/ ISOENZYMES/ KINETICS/ MALE/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ PANCREAS, enzymology/ PROTEIN BINDING/ PROTEIN CONFORMATION/ PTERIDINES, pharmacodynamics/ RATS/ SOLUBILITY/ SULFURIC ACIDS, pharmacodynamics/ TRITIUM/ *TRYPSIN, pharmacodynamics/ TYROSINE HYDROXYLASE, antagonists & inhibitors/ *TYROSINE HYDROXYLASE, metabolism

2136. **Kuczyńska-Sicińska J:** Problemy nefrologiczne ciąży.
Pol Arch Med Wewn 50:221-6, Feb 73 (Pol)
FEMALE/ GESTATIONAL AGE/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY, blood supply/ KIDNEY, physiopathology/ *KIDNEY DISEASES/ KIDNEY DISEASES, physiopathology/ PARITY/ PREGNANCY/ *PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY COMPLICATIONS, INFECTIOUS, physiopathology/ PREGNANCY TOXEMIAS, physiopathology/ RENIN, blood

2137. **Kudashov NI, Ivanov VG, Khrometskaia TM, et al:** O pobochnom deĭstvii platsentarnogo gamma-globulina
Vopr Okhr Materin Det 17:60-6, Nov 72 (Rus)
ANIMAL EXPERIMENTS/ ANTI-ANTIBODIES/ *ANTIBODY FORMATION/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *GAMMA GLOBULIN, adverse effects/ HUMAN/ IGG/ IGM/ INFANT/ *PLACENTA, immunology/ PLACENTAL EXTRACTS/ RABBITS

2138. **Kuftinec MM, Miller SA:** Bone growth in the neonata rat. I. Biochemical aspects of bone protein synthesis
Calcif Tissue Res 11:105-11, 19 Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BONE AND BONES, metabolism *BONE DEVELOPMENT/ BONE MATRIX/ CARBON ISOTOPES/ DNA, metabolism/ FEMUR/ KNEE JOINT/ LEUCINE/ MANDIBLE, growth & development/ PROTEINS/ *PROTEINS, biosynthesis/ RATS/ RNA, metabolism/ SCINTILLATION COUNTERS/ SPECTROPHOTOMETRY/ TIBIA

2139. **Kuhar MJ, Aghajanian GK:** Selective accumulation of H-serotonin by nerve terminals of raphe neurones: a autoradiographic study.
Nature [New Biol] 241:187-9, 7 Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *DIENCEPHALON, metabolism/ HISTOCYTOCHEMISTRY/ IN VITRO/ MESENCEPHALON, cytology/ *MESENCEPHALON, metabolism/ MICROSCOPY, ELECTRON/ NEURONS, metabolism/ RATS/ *SEROTONIN, metabolism *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, metabolism/ TRITIUM

2140. **Kuhar MJ, Sethy VH, Roth RH, et al:** Choline: selectiv accumulation by central cholinergic neurons.
J Neurochem 20:581-93, Feb 73
ACETYLCHOLINE, metabolism/ ACETYLESTERASE, metabolism/ ACETYLTRANSFERASES, metabolism/ AMINOBUTYRIC ACID, metabolism/ ANIMAL

EXPERIMENTS/ BRAIN, physiology/ CEREBRAL CORTEX, metabolism/ CHOLINE/ *CHOLINE, metabolism/ CORPUS STRIATUM, metabolism/ GLUTAMATES, metabolism/ HIPPOCAMPUS, cytology/ HIPPOCAMPUS, metabolism/ IN VITRO/ MALE/ *NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, metabolism

141. **Kühn ER, Krulich L, McCann SM:** Influence of exogenously administered oxytocin on prolactin release in the lactating rat.
Neuroendocrinology 11:11-21, 1973
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INJECTIONS, INTRATHECAL/ *LACTATION, drug effects/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ *PITUITARY GLAND, secretion/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS

142. **Kuhn NJ:** Changes in the protein phosphorus content of rat mammary tissue during lactogenesis.
J Endocrinol 55:219-20, Oct 72
ANIMAL EXPERIMENTS/ CASEIN, biosynthesis/ *CASEIN, metabolism/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *LACTATION/ *MAMMAE, metabolism/ *PHOSPHORUS, metabolism/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS

143. **Kuhne J, Leuschner F, Neumann W:** Untersuchungen zur Toxikologie von Sulfaguanol.
Arzneim Forsch 23:178-84, Feb 73 **(Ger)**
ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ FERTILITY, drug effects/ FETUS, drug effects/ MALE/ MICE/ ORGAN WEIGHT/ PREGNANCY/ RABBITS/ RATS/ SULFANILAMIDE, administration & dosage/ *SULFANILAMIDE, toxicity/ THYROID GLAND, drug effects

144. **Kulakovskiĭ EE:** O "neĭrogemal'nom organe" u nizkoorganizovannykh rakoobraznykh.
Dokl Akad Nauk SSSR 209:246-8, Mar-Apr 73 **(Rus)**
ANIMAL EXPERIMENTS/ *NEUROSECRETORY SYSTEMS, anatomy & histology/ *SHRIMP, anatomy & histology

145. **Kulavskiĭ VA:** Puzyrnyĭ zanos (obzor literatury.
Vopr Okhr Materin Det 17:78-80, Oct 72 **(Rus)**
FEMALE/ HUMAN/ *HYDATIDIFORM MOLE/ PREGNANCY

146. **Kulesár-Gergely J, Kulesár A:** The influence of low estrogen levels on the ATP-ase activity of healthy and injured liver. Endokrinologie 61:149-51, 1973
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON TETRACHLORIDE POISONING, enzymology/ CASTRATION/ *ESTROGENS, physiology/ FEMALE/ HEPATITIS, TOXIC, enzymology/ *LIVER, enzymology/ RATS

147. **Kulik II:** Vpiyv dvobichnoho vydalennia verkhnikh shyĭnykh sympatychnykh vuzliv na perebih estral'noho tsiklu v umovakh bromuvannia.
Pediatr Akush Ginekol 3:60-1, May-Jun 72 **(Ukr)**
ANIMAL EXPERIMENTS/ *BROMIDES, pharmacodynamics/ *ESTRUS/ FEMALE/ RATS/ SODIUM, pharmacodynamics/ *STELLATE GANGLION/ *SYMPATHECTOMY

148. **Kulikova LA, Goldin VA, Appukhami K:** Serotonin i funktsional'noe sostoianie zheludochno-kishechnogo trakta u khirurgicheskogo hoi'nogo.
Khirurgiia (Mosk) 48:124-7, Oct 72 (23 ref.) **(Rus)**
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, metabolism/ CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, metabolism/ CHROMAFFIN SYSTEM, secretion/ DOGS/ DUMPING SYNDROME, metabolism/ GASTROINTESTINAL DISEASES, metabolism/ GASTROINTESTINAL DISEASES, surgery/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ LIVER, drug effects/ LIVER, physiology/ LUNG, metabolism/ MUSCLE, SMOOTH, drug effects/ PANCREAS, secretion/ REVIEW/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SEROTONIN, secretion/ SEROTONIN, urine

2149. **Kulin HE, Reiter EO:** Gonadotropins during childhood and adolescence: a review.
Pediatrics 51:260-71, Feb 73 (60 ref.)
ADOLESCENCE/ BIOLOGICAL ASSAY/ CHILD/ CHILD, PRESCHOOL/ CLOMIPHENE, diagnostic use/ FEMALE/ FETUS, metabolism/ FSH, blood/ *FSH, metabolism/ FSH, urine/ GONADS, physiology/ HUMAN/ HYPERPITUITARISM, complications/ HYPOGONADISM, diagnosis/ HYPOGONADISM, drug therapy/ HYPOTHALAMUS, physiology/ INFANT, NEWBORN/ LH, blood/ *LH, metabolism/ LH, urine/ MALE/ PITUITARY GLAND, physiology/ PUBERTY/ PUBERTY, PRECOCIOUS, diagnosis/ PUBERTY, PRECOCIOUS, etiology/ RADIOIMMUNOASSAY/ REVIEW

2150. **Kun L, Bösze P:** Ultrahang vizsgálat jelentösége a polycystás ovarium diagnosisának felállitásában.
Orv Hetil 114:1055-6, 6 May 73 **(Hun)**
FEMALE/ HUMAN/ *OVARIAN CYSTS, diagnosis/ *STEIN-LEVENTHAL SYNDROME, diagnosis/ *ULTRASONICS, diagnostic use

2151. **Kunze E, Schauer A, Aures D, et al:** Influence of cortisol-21-hemisuccinate on the specific histidine decarboxylase of the fetal rat liver.
Biol Neonate 21:463-70, 1972
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ *CARBOXY-LYASES, metabolism/ FEMALE/ FETUS/ GESTATIONAL AGE/ GLUTATHIONE, pharmacodynamics/ HISTIDINE/ *HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, embryology/ LIVER, enzymology/ LIVER, metabolism/ ORGAN WEIGHT/ OSMOLAR CONCENTRATION/ PREGNANCY/ PYRIDOXAL PHOSPHATE, pharmacodynamics/ RATS/ TIME FACTORS

2152. **Kuo WN, Hodgins DS, Kuo JF:** Adenylate cyclase in islets of Langerhans. Isolation of islets and regulation of adenylate cyclase activity by various hormones and agents. J Biol Chem 248:2705-11, 25 Apr 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIDIABETICS, pharmacodynamics/ CARBON ISOTOPES/ CORTICOTROPIN, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ INSULIN, pharmacodynamics/ *ISLANDS OF LANGERHANS, enzymology/ ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, physiology/ LH, pharmacodynamics/ MALE/ METHODS/ PANCREOZYMIN, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SECRETIN, pharmacodynamics/ TIME FACTORS/ TRITIUM

2153. **Kuplecki FP:** Lipolysis and reesterification: effects of some inhibitors of adenosine 3',5'-cyclic monophosphate phosphodiesterase.
J Lipid Res 14:250-4, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOSE, metabolism/ *LIPIDS, metabolism/ MALE/ *PHOSPHODIESTERASES, antagonists &

inhibitors/ PYRIDAZINES, pharmacodynamics/ PYRROLES, pharmacodynamics/ RATS/ *THEOPHYLLINE, pharmacodynamics/ TRIAZENES, pharmacodynamics

2154. **Kurjak A, Baršić E, Longhino N:** Djelovanje prostaglandina u že nskom reproduktivnom traktu.
Lijec Vjesn 95:81-6, Feb 73 (Cro)
ABORTION, INDUCED/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MATERNAL-FETAL EXCHANGE, drug effects/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects/ *VAGINA, drug effects

2155. **Kurman RJ, Prabha AC:** Thyroid and parathyroid glands in the vaginal wall: report of a case.
Am J Clin Pathol 59:503-7, Apr 73
CHILD, PRESCHOOL/ *CHORISTOMA, diagnosis/ FEMALE/ HUMAN/ NEUROBLASTOMA, diagnosis/ *PARATHYROID GLANDS, abnormalities/ PARATHYROID GLANDS, embryology/ *THYROID GLAND, abnormalities/ THYROID GLAND, embryology/ *VAGINA, abnormalities/ VAGINA, pathology

2156. **Kuroedova IA, Badanova IuP, Razmadze TG, et al:** K voprosu o srodstve nekotorykh steroidov k testosteron-estradiolsviazyvaiushchemu glohulina. II. Androgeny.
Probl Endokrinol (Mosk) 19:104-7, Jan-Feh 73 (Rus)
*BETA GLOBULIN/ ENGLISH ABSTRACT/ *ESTRADIOL/ PROTEIN BINDING/ *TESTOSTERONE/ TRITIUM

2157. **Kurokawa K, Massry SG:** Evidence for two separate adenyl cyclase systems responding independently to parathyroid hormone and -adrenergic agents in the renal cortex of the rat.
Proc Soc Exp Biol Med 143:123-6, May 73
*ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, metabolism/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, enzymology/ NOREPINEPHRINE, pharmacodynamics/ *PARATHYROID HORMONE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS

2158. **Kurokawa K, Massry SG:** Evidence for stimulation of renal gluconeogenesis by catecholamines.
J Clin Invest 52:961-4, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ *ISOPROTERENOL, pharmacodynamics/ KIDNEY CORTEX, metabolism/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ THEOPHYLLINE, pharmacodynamics

2159. **Kurosawa M, Suzuki K, Sasaki T, et al:** [A statistical observation on the clinical bladder tumor]
Jap J Urol 63:1001-6, Dec 72 (Jap)
ADENOCARCINOMA, occurrence/ ADULT/ AGE FACTORS/ AGED/ *BLADDER NEOPLASMS, occurrence/ *CARCINOMA, EPIDERMOID, occurrence/ *CARCINOMA, TRANSITIONAL CELL, occurrence/ *DISGERMINOMA, occurrence/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ JAPAN/ MALE/ MIDDLE AGE/ OCCUPATIONS/ SEX FACTORS

2160. **Kurschat G, Leyh F, Tolksdorf M:** Atypisches Klinefelter-Syndrom mit XXXY-Geschlechtschromosomen.
Andrologie 4:269-75, 1972 (Ger)
ADULT/ ENGLISH ABSTRACT/ HUMAN/ HYPOGONADISM, diagnosis/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MITOSIS/ *SEX CHROMOSOMES

2161. **Kushniruk W:** The immunopathology of epidermolysis bullosa acquisita. Can Med Assoc J 108:1143-6, 5 May 73
ADULT/ AGED/ BASEMENT MEMBRANE, pathology/ BIOPSY/ *COMPLEMENT/ ENTERITIS, REGIONAL, complications/ EPIDERMOLYSIS BULLOSA, complications/ EPIDERMOLYSIS BULLOSA, drug therapy/ EPIDERMOLYSIS BULLOSA, etiology/ *EPIDERMOLYSIS BULLOSA, immunology/ EPIDERMOLYSIS BULLOSA, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGA/ *IGG/ IGM/ INTESTINE, SMALL, pathology/ MALE/ PREDNISONE, therapeutic use/ SKIN, injuries/ SKIN, pathology/ WOUNDS AND INJURIES, complications

2162. **Kutzman NA, White MG, Rogers PW:** Pathophysiology of metabolic alkalosis.
Arch Intern Med 131:702-8, May 73
*ALKALOSIS, physiopathology/ BICARBONATES, blood/ BICARBONATES, metabolism/ CHLORIDES, blood/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KIDNEY, metabolism/ *KIDNEY, physiopathology/ *MINERALOCORTICOIDS, metabolism/ POTASSIUM, blood/ POTASSIUM DEFICIENCY, physiopathology/ SODIUM, metabolism

2163. **Kuwahara S:** [Characteristics of surgical cases o thyroid diseases in the aged]
Jap J Geriatr 10:6-8, Jan 73 (Jap
AGED/ AGING/ ANIMAL EXPERIMENTS/ DOGS/ *GOITER, EXOPHTHALMIC, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ MICE/ MICROSCOPY, ELECTRON, SCANNING/ RABBITS/ THYROID GLAND, pathology/ THYROID NEOPLASMS, pathology

2164. **Kvinnsland S:** Estradiol-17 , cyclic AMP and prostaglandins: in vivo and in vitro studies on th cervicovaginal epithelium from neonatal mice.
Life Sci [I] 12:373-84, 15 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIGENS/ CELL DIVISION, drug effects/ CERVIX UTERI, drug effects/ *CERVIX UTERI, immunology/ CORTISONE, pharmacodynamics/ EPITHELIAL CELLS, dru effects/ EPITHELIUM, immunology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ IN VITRO/ ISOPROTERENOL, pharmacodynamics MICE/ ORGAN CULTURE/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS, immunology/ THEOPHYLLINE, pharmacodynamics/ VAGIN drug effects/ *VAGINA, immunology

2165. **Kvinnsland S, Abro A:** Cyclic AMP: its effect on estrogen-sensitive antigen in organ cultures of t cervicovaginal epithelium from neonatal mice.
Experientia 28:846-8, 15 Jul 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIGEN-ANTIBODY COMPLEX ANTIGENS/ CELL MEMBRANE/ *CERVIX UTERI, drug effects/ CERVIX UTERI, immunology/ CHICK EMBRYO/ CULTURE MEDIA/ EPITHELIUM, drug effects/ FERRITIN/ IGG/ MICE/ MICROPORE FILTERS/ MICROSCOPY, FLUORESCENCE/ RABBITS, immunology/ TISSUE CULTURE

2166. **Kvitash VA, Sen'ko OK, Aleshchenko VI:** Ingibitc immunopoéza v kompleksnoi terapii detskogo tserebral'nogo paralicha.
Zh Nevropatol Psikhiatr 72:1476-9, 1972 (R
AUTOIMMUNE DISEASES/ *CEREBRAL PALSY, drug therapy/ CEREBRAL PALSY, immunology/ CHILD/ CHILD, PRESCHOOL/ *CORTICOTROPIN, therapeutic use/

*DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN

2167. **Kwatra MS, Sharma GL, Singh G:** Involvement of uncommonly affected organs of ducks in experimental tuberculosis.
Indian J Exp Biol 10:268-71, Jul 72
ANIMAL EXPERIMENTS/ BRAIN, pathology/ *DUCKS/ FEMALE/ FEMUR HEAD, pathology/ LACRIMAL APPARATUS, pathology/ LIGAMENTS, ARTICULAR, pathology/ MUSCLES, pathology/ MYOCARDIUM, pathology/ OVARY, pathology/ SKIN, pathology/ TRACHEA, pathology/ *TUBERCULOSIS, AVIAN, pathology

2168. **Kyank H, Herre DH, Plesse R:** Klinik der chronischen Plazentainsuffizienz.
Zentralbl Gynaekol 95:65-77, 19 Jan 73 (116 ref.) (Ger)
ALKALINE PHOSPHATASE, blood/ AMNIOSCOPY/ BIRTH WEIGHT/ BODY WEIGHT/ CEPHALOMETRY/ CHRONIC DISEASE/ ELECTROCARDIOGRAPHY/ ESTRADIOL, urine/ ESTROGENS, urine/ FEMALE/ *FETAL DISEASES, diagnosis/ FETAL DISEASES, etiology/ FETAL HEART/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis/ INFANT, NEWBORN, DISEASES, etiology/ LEUKOCYTES, enzymology/ PHYSICAL EXAMINATION/ PLACENTA DISORDERS, complications/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, therapy/ PREGNANCY/ PREGNANEDIOL, urine/ PRENATAL CARE/ REVIEW/ VAGINAL SMEARS

2169. **Kyle RA, Costa G, Cooper MR, et al:** Evaluation of aniline mustard in patients with multiple myeloma.
Cancer Res 33:956-60, May 73
ADULT/ AGED/ ANILINE COMPOUNDS, administration & dosage/ ANILINE COMPOUNDS, adverse effects/ *ANILINE COMPOUNDS, therapeutic use/ FEMALE/ HEMATOCRIT/ HUMAN/ LEUKOCYTE COUNT/ LEUKOPENIA, chemically induced/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, blood/ *MULTIPLE MYELOMA, drug therapy/ NITROGEN MUSTARD COMPOUNDS, administration & dosage/ NITROGEN MUSTARD COMPOUNDS, adverse effects/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PLASMA CELLS, drug effects/ PREDNISONE, therapeutic use/ THROMBOPENIA, chemically induced

L

2170. **Laatikainen T, Peltonen J, Nylander P:** Determination of estriol, estriol sulfate, progesterone and neutral steroid mono- and disulfates in umbilical cord blood plasma. Steroids 21:347-59, Mar 73
CHROMATOGRAPHY, GAS/ ESTERS, analysis/ *ESTRIOL, blood/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MASS SPECTRUM ANALYSIS/ PREGNANCY/ PREGNANES, blood/ PREGNENES, blood/ *PROGESTERONE, blood/ SOLVENTS/ *STEROIDS, blood/ SULFATES, blood/ TIME FACTORS/ *UMBILICAL CORD

2171. **LaBella FS, Dular R, Vivian S:** Anomalous prolactin release in vitro in response to cold and its specific blockade by a purified hypothalamic-inhibiting factor.
Endocrinology 92:1571-4, May 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, physiology/ *COLD/ CORTICOTROPIN/ FSH/ HYPOTHALAMUS, physiology/ IN VITRO/ LH/ *PITUITARY GLAND, secretion/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SOMATOTROPIN/ THYROTROPIN

2172. **Labhsetwar AP, Joshi HS, Watson D:** Temporal relationship between estradiol, estrone and progesterone secretion in the ovarian venous blood and LH in the peripheral plasma of cyclic hamsters.
Biol Reprod 8:321-6, Apr 73
ANIMAL EXPERIMENTS/ BLOOD CHEMICAL ANALYSIS/ BLOOD FLOW VELOCITY/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ *ESTRONE, blood/ *ESTRUS/ FEMALE/ HAMSTERS/ *LH, blood/ OVARY, blood supply/ OVARY, secretion/ *OVULATION/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ VEINS

2173. **Labow RS, Williamson DG, Layne DS:** Effect of proteases and of crude phospholipases on steroid glycosyltransferases from rabbit liver.
Biochemistry 12:1548-51, 10 Apr 73
ANIMAL EXPERIMENTS/ ESTRADIOL/ GEL FILTRATION/ GLUCOSAMINE/ GLUCOSYLTRANSFERASES, metabolism/ GLUCURONATES/ *HEXOSYLTRANSFERASES, metabolism/ LIVER, cytology/ *LIVER, enzymology/ MICROSOMES, LIVER, enzymology/ *PEPTIDE HYDROLASES, pharmacodynamics/ *PHOSPHOLIPASE, pharmacodynamics/ POLYSACCHARIDES/ RABBITS/ SNAKES/ SOLUBILITY/ ULTRAFILTRATION/ URIDINE DIPHOSPHATE SUGARS/ VENOMS, pharmacodynamics

2174. **(Lacassagne A), Roche J:** Antoine Lacassagne (1884-1971.
Bull Acad Natl Med (Paris) 156:286-90, Apr 72 (Fre)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ FRANCE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NEOPLASMS, history/ RADIOBIOLOGY, history

2175. **Lafeber TJ:** Respiratory diseases.
Vet Clin N Amer 3:199-227, May 73
AEROSOLS/ AIR SACS/ AMPHOTERICIN B, therapeutic use/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BIRD DISEASES/ BIRD DISEASES, diagnosis/ BIRD DISEASES, drug therapy/ BIRD DISEASES, microbiology/ BIRDS/ BLOOD PROTEINS, analysis/ BRONCHITIS, veterinary/ CANARIES/ HEMATOCRIT/ INCUBATORS/ MITE INFESTATIONS, veterinary/ *RESPIRATORY TRACT DISEASES/ RESPIRATORY TRACT DISEASES, diagnosis/ RESPIRATORY TRACT DISEASES, drug therapy/ RESPIRATORY TRACT DISEASES, microbiology/ SINUSITIS, therapy/ SINUSITIS, veterinary/ SNEEZING/ THYROID DISEASES, veterinary/ TUBE FEEDING/ VOCALIZATION, ANIMAL

2176. **Lagasse LD, Johnson GH, Smith ML, et al:** Use of sigmoid colon for rectal substitution following pelvic exenteration.
Am J Obstet Gynecol 116:106-10, 1 May 73
CERVIX NEOPLASMS, surgery/ *COLON, surgery/ FEMALE/ HUMAN/ METHODS/ OVARIAN NEOPLASMS, surgery/ PELVIC EXENTERATION/ *SIGMOID, surgery/ VAGINAL NEOPLASMS, surgery/ VULVAR NEOPLASMS, surgery

2177. **Lagemann K:** Obere Osophagusvarizen bei Struma.
Fortschr Geb Roentgenstr Nuklearmed 118:440-5, 1973 (Ger)
COLLATERAL CIRCULATION/ ENGLISH ABSTRACT/ *ESOPHAGEAL VARICES, etiology/ ESOPHAGEAL VARICES, radiography/ FEMALE/ *GOITER, complications/ HUMAN/ MALE/ MIDDLE AGE/ RECURRENCE/ THYROIDECTOMY

2178. **Lagios MD:** Foccicle boundary cells in the adenohypophysis of the chondrostean and holostean fishes: an ultrastructural study of their relationship to the follicular lumen, to endocrine cells, and to the hypophysial cleft.
Gen Comp Endocrinol 20:362-76, Apr 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CILIA/ CYTOPLASM/ CYTOPLASMIC GRANULES/ EPITHELIAL CELLS/ *FISHES, anatomy & histology/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology

2179. **Lagrue G, Descrozailles C, Lehmans J, et al:** Infections focales oro-pharyngées et néphropathies.

Rev Stomatol Chir Maxillofac 73:441-54, Sep 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ FOCAL INFECTION, complications/ FOCAL INFECTION, diagnosis/ FOCAL INFECTION, microbiology/ *FOCAL INFECTION, DENTAL/ GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, immunology/ HUMAN/ HYPERSENSITIVITY/ HYPERSENSITIVITY, DELAYED/ HYPERSENSITIVITY, IMMEDIATE/ KIDNEY DISEASES, classification/ KIDNEY DISEASES, drug therapy/ *KIDNEY DISEASES, etiology/ KIDNEY DISEASES, immunology/ MOUTH DISEASES, complications/ *PHARYNGEAL DISEASES, complications

2180. **Lahlou-Kassi A, Marie MG:** La capacitation. Son rôle dans la fécondation de l'oeuf des mammifères.
J Gynecol Obstet Biol Reprod (Paris) 1:901-17, Dec 72 (121 ref.) (Fre)
ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ ARTIODACTYLA, physiology/ ENGLISH ABSTRACT/ FALLOPIAN TUBES/ *FERTILIZATION/ HAMSTERS/ HUMAN/ IN VITRO/ MICE/ MONKEYS/ ORGAN SPECIFICITY/ OVUM/ RABBITS/ RATS/ REVIEW/ RODENTS, physiology/ SEMEN, immunology/ SPECIES SPECIFICITY/ *SPERM CAPACITATION/ SPERMATOZOA, metabolism/ SPERMATOZOA, physiology/ STEROIDS, physiology/ TIME FACTORS/ UTERUS

2181. **Laird GW, Kingsbury HB:** Complex viscoelastic moduli of bovine bone.
J Biomech 6:59-67, Jan 73
*BIOMECHANICS/ *BONE AND BONES/ CATTLE/ ELASTICITY/ VISCOSITY

2182. **Laiti J:** Klinické bodnocení preparátu Ovestin k léčbě klimakterických potíží.
Cesk Gynekol 38:205-6, Apr 73 (Cze)
*CLIMACTERIC/ CLIMACTERIC, drug effects/ DEPRESSION, drug therapy/ ENGLISH ABSTRACT/ ESTRIOL, pharmacodynamics/ *ESTRIOL, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ NEUROSES, drug therapy/ SLEEP DISORDERS, drug therapy/ SWEATING, drug effects

2183. **Lakiza VV:** Nekotorye pokazateli soderzhaniia kaliia i natriia u izlechennykh ot tireotoksikoza.
Klin Khir 9:73-6, Sep 72 (Rus)
ADOLESCENCE/ ADULT/ *ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ HYPERTENSION/ *HYPERTENSION, metabolism/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS, metabolism/ *POTASSIUM, blood/ *SODIUM, blood/ *THYROIDECTOMY

2184. **Lakke JP, Korf J, Hoorntje S, et al:** The probenecid test in Parkinson's disease.
Psychiatr Neurol Neurochir 76:139-46, Mar-Apr 73
AGED/ DOPA, therapeutic use/ DOPAMINE, metabolism/ EVALUATION STUDIES/ FEMALE/ GANGLIA, BASAL, metabolism/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ MALE/ MIDDLE AGE/ PARKINSONISM, cerebrospinal fluid/ *PARKINSONISM, diagnosis/ PARKINSONISM, drug therapy/ PARKINSONISM, metabolism/ PROBENECID, cerebrospinal fluid/ *PROBENECID, diagnostic use/ SEROTONIN, metabolism

2185. **Lakshman AB, Isaac P:** Effects of cyproterone acetate on the adenohypophysial cells of male rats.
J Reprod Fertil 32:141-4, Jan 73
ADRENAL GLANDS, anatomy & histology/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CELL COUNT/ CYPROTERONE, pharmacodynamics/ EPIDIDYMIS, anatomy & histology/ LEYDIG CELLS, drug effects/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ *PREGNADIENES, pharmacodynamics/ PROSTATE, anatomy & histology/ RATS/ SEMINAL VESICLES, anatomy & histology/ SPERMATOGENESIS, drug effects/ TESTIS, anatomy & histology/ THYMUS GLAND, anatomy & histology

2186. **Lal S, De la Vega C, Garelis E, et al:** Apomorphine, pimozide, L-Dopa and the probenecid test in Huntington's chorea.
Psychiatr Neurol Neurochir 76:113-7, Mar-Apr 73
*APOMORPHINE, therapeutic use/ CHOREA, HEREDITARY, cerebrospinal fluid/ CHOREA, HEREDITARY, diagnosis/ CHOREA, HEREDITARY, drug therapy/ *CHOREA, HEREDITARY, metabolism/ CLINICAL RESEARCH/ *DOPA, therapeutic use/ *DOPAMINE, metabolism/ EVALUATION STUDIES/ FEMALE/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ *PIMOZIDE, therapeutic use/ PLACEBOS/ *PROBENECID, diagnostic use/ RECEPTORS, NEURAL, drug effects/ RECEPTORS, NEURAL, metabolism/ SEROTONIN, metabolism

2187. **Lamagnère JP, Leroy J, Avril J, et al:** Anémie bémolytique aiguë transitoire à auto-anticorps (gamma M)-C' de l'enfant. Deux observations.
Pediatrie 27:749-56, Oct-Nov 72 (Fre)
*ANEMIA, HEMOLYTIC, AUTOIMMUNE, diagnosis/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ *AUTOANTIBODIES, analysis/ BLOOD TRANSFUSION/ CHILD, PRESCHOOL/ *COOMBS' TEST/ FEMALE/ HUMAN/ INFANT/ MALE/ PREDNISONE, administration & dosage/ RETICULOCYTES, immunology

2188. **Lamberg BA:** Congenital euthyroid goitre and partial peripheral resistance to thyroid hormones.
Lancet 808:855-7, 21 Apr 73
ADULT/ ANTIBODIES, analysis/ CASE REPORT/ CHOLESTEROL, blood/ FEMALE/ *GOITER, congenital/ GOITER, drug therapy/ GOITER, immunology/ HUMAN/ HYDROXYPROLINE, urine/ IODINE, metabolism/ IODINE, therapeutic use/ IODINE, urine/ PERCHLORIC ACIDS, diagnostic use/ PITUITARY GLAND, metabolism/ PROTEIN-BOUND IODINE TEST, STIMULATION, CHEMICAL/ SYNDROME/ THYROGLOBULIN/ THYROID GLAND FUNCTION TESTS/ *THYROID HORMONES, metabolism/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood THYROXINE, metabolism/ THYROXINE, therapeutic use/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, metabolism

2189. **Lamki L, Ezrin C, Koven I, et al:** L-thyroxine in the treatment of obesity without increase in loss of lean body mass.
Metabolism 22:617-22, Apr 73
*BODY COMPOSITION, drug effects/ BODY WATER, metabolism/ BODY WEIGHT/ DIET, REDUCING/ DIETARY PROTEINS/ HUMAN/ MALE/ NITROGEN, metabolism/ *OBESITY, drug therapy/ OBESITY, metabolism/ OBESITY, therapy/ *THYROXINE, therapeutic use

2190. **Lamont NM:** A possible form of acute cardiomyopathy as encountered in sugar cane field workers in Tongaat, Natal.
S Afr Med J 47:311-5, 24 Feb
ACCLIMATIZATION/ ACUTE DISEASE/ ADULT/ *AGRICULTURAL WORKERS' DISEASES, occurrence/ ALDOSTERONE, blood/ AMILORIDE, therapeutic use/ DEHYDRATION, complications/ ELECTROCARDIOGRAPHY/ HEART FAILURE, CONGESTIVE, diagnosis/ HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ LIVER DISEASES, complications/ MALE/ MIDDLE AGE/ MYOCARDIAL DISEASES, SECONDARY, drug therapy/ MYOCARDIAL DISEASES, SECONDARY, etiology/ *MYOCARDIAL DISEASES, SECONDARY, occurrence/ MYOCARDIAL DISEASES, SECONDARY, radiography/ SIDEROSIS, complications/ SOUTH AFRICA

191. **Lamperti AA, Printz RH:** Effects of mercuric chloride on the reproductive cycle of the female hamster.
Biol Reprod 8:378-87, Apr 73
ANIMAL EXPERIMENTS/ *CHLORIDES, adverse effects/ CORPUS LUTEUM, drug effects/ *ESTRUS, drug effects/ FEMALE/ HAMSTERS/ HYPOTHALAMUS, drug effects/ LH, blood/ MERCURY, administration & dosage/ *MERCURY, adverse effects/ OVARY, cytology/ OVARY, drug effects/ OVULATION, drug effects/ PENICILLAMINE, therapeutic use/ PITUITARY GLAND, drug effects/ PROGESTERONE, blood/ UTERUS, drug effects

192. **Lamprecht F, Kvetnansky R, Ng LK, et al:** Effect of 9 -tetrahydrocannahinol on immobilization-induced changes in rat adrenal medullary enzymes.
Eur J Pharmacol 21:249-51, Feh 73
*ADRENAL MEDULLA, enzymology/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CANNABIS, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, analysis/ IMMOBILIZATION/ LITHIUM, pharmacodynamics/ MALE/ MEPROBAMATE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ RATS/ STRESS, enzymology/ TETRAHYDROCANNABINOL, pharmacodynamics/ TYROSINE HYDROXYLASE, analysis

193. **Lamprecht F, Wooten GF:** Effect of hypophysectomy on serum dopamine-heta-hydroxylase activity in rat.
Endocrinology 92:1543-6, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOTROPIN, pharmacodynamics/ *DOPAMINE BETA HYDROXYLASE, blood/ *HYPOPHYSECTOMY/ MALE/ RADIOIMMUNOASSAY/ RATS/ VASOPRESSIN, pharmacodynamics

194. **Lancaster JR, Levinson MR:** A complicated case of convulsions.
Clin Pediatr (Phila) 12:187-8, Mar 73
ACETAZOLAMIDE, therapeutic use/ BARBITURATES, therapeutic use/ BONE AND BONES, radiography/ CHILD, PRESCHOOL/ CONVULSIONS, drug therapy/ *CONVULSIONS, etiology/ FEMALE/ HUMAN/ HYPOCALCEMIA, etiology/ RICKETS, complications/ *RICKETS, complications/ RICKETS, drug therapy/ RICKETS, etiology/ RICKETS, radiography/ VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, complications

195. **Land RB:** The expression of female sex-limited characters in the male.
Nature 241:208-9, 19 Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BREEDING/ FEMALE/ *GENETICS/ MALE/ MICE/ ORGAN WEIGHT/ OVULATION/ PHENOTYPE/ REPRODUCTION/ SELECTION (GENETICS)/ *SEX CHARACTERISTICS/ SHEEP/ TESTIS, anatomy & histology/ TESTIS, growth & development

196. **Land RB:** Ovulation rate of Finn-Dorset sheep following unilateral ovariectomy or chlorpromazine treatment at different stages of the oestrous cycle.
J Reprod Fertil 33:99-105, Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *CHLORPROMAZINE, pharmacodynamics/ *ESTRUS/ FEMALE/ *OVARY, physiology/ *OVULATION/ OVULATION, drug effects/ *SHEEP, physiology/ TIME FACTORS

197. **Lande G, Kjolseth I:** Trijodthyronin-thyreotoksikose.
Tidsskr Nor Laegeforen 92:2424-7, 30 Dec 72 (Nor)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, etiology/ HUMAN/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ RECURRENCE/ THYROGLOBULIN, blood/ THYROID GLAND, secretion/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, secretion

2198. **Landes E, Müller H:** Männliche Fertilitätsstörungen. Prophylaxe, Diagnostik und Therapie aus andrologischer Sicht.
Fortschr Med 91:163-6, 8 Feh 73 (Ger)
AGGLUTINATION TESTS/ CRYPTORCHISM, complications/ DIABETES MELLITUS, complications/ FEMALE/ *FERTILITY/ GENITALIA, MALE, abnormalities/ GONADOTROPINS, therapeutic use/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ MALE/ SPERMATOZOA/ *STERILITY, MALE/ STERILITY, MALE, diagnosis/ STERILITY, MALE, drug therapy/ STERILITY, MALE, etiology/ STERILITY, MALE, immunology/ STERILITY, MALE, prevention & control/ UROLOGIC DISEASES, complications

2199. **Langer P:** Effect of single administration of small doses of iodide on thyroid hormone biosynthesis.
Endokrinologie 61:43-51, 1973
ANIMAL EXPERIMENTS/ *IODIDES, pharmacodynamics/ IODINE, blood/ IODINE ISOTOPES/ MALE/ PROTEIN BINDING/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROID HORMONES, biosynthesis/ THYROXINE, biosynthesis/ TIME FACTORS

2200. **Lannon J:** Endocrine liver tumours.
S Afr J Surg 11:39, Mar 73
ADULT/ CASE REPORT/ *HEPATOMA/ HUMAN/ *LIVER NEOPLASMS/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

2201. **Lapin V:** Zur Wirkung simultaner Thymektomie und Pinealektomie bei neugeborenen Ratten.
Exp Pathol (Jena) 7:342-4, 1972 (Ger)
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CRYOGENIC SURGERY/ HYPOTHERMIA, INDUCED/ LEUKOCYTE COUNT/ LEUKOPENIA, etiology/ METHODS/ OVARY, growth & development/ *PINEAL BODY, physiology/ PINEAL BODY, surgery/ PITUITARY GLAND, physiology/ POSTOPERATIVE COMPLICATIONS/ RATS/ SOMATOTROPIN, biosynthesis/ THYMECTOMY/ *THYMUS GLAND, physiology

2202. **Lapiane R, Fontaine JL, Lagardere B, et al:** Nanisme syndesmodysplasique familial. Une entité morbide nouvelle.
Arch Fr Pediatr 29:831-8, Oct 72 (Fre)
*ANKYLOSIS, familial & genetic/ ARTHROGRYPOSIS, diagnosis/ BIOPSY/ CARTILAGE DISEASES, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, familial & genetic/ DYSCHONDROPLASIA, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ FINGER JOINT/ HUMAN/ *JOINT DISEASES, familial & genetic/ KNEE JOINT/ MALE/ MUSCLES, pathology/ PELVIS/ SCAPULA/ SPINAL DISEASES/ SYNDROME/ SYNOVIAL MEMBRANE, pathology

2203. **Lapousse JC, Hawthorn E:** Essai de traitement local des affections rhumatismales par un inhibiteur d'enzymes (inhibiteur de Kunitz.
Rhumatologie 24:263-71, Aug-Sep 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ MALE/ MIDDLE AGE/ PANCREATIC EXTRACTS, therapeutic use/ *PEPTIDE HYDROLASES, antagonists & inhibitors/ *PEPTIDES, therapeutic use/ *RHEUMATISM, drug therapy

2204. **Lapper RD, Smith IC:** A 13 C and 1 H nuclear magnetic resonance study of the conformations of 2',3'-cyclic nucleotides.
J Am Chem Soc 95:2878-80, 2 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ CARBON ISOTOPES/ *CYTOSINE NUCLEOTIDES/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ TEMPERATURE/ *URACIL NUCLEOTIDES

2205. **Laros RK Jr, Work BA Jr, Witting WC:** Prostaglandins.
Am J Nurs 73:1001-3, Jun 73
ABORTION, INDUCED/ FEMALE/ HUMAN/ LABOR, INDUCED/ PREGNANCY/ *PROSTAGLANDINS

2206. **Larsen PR, DeRubertis F, Yamashita K, et al:** In vitro demonstration of iodide-trapping defect hut normal thyrotropin (TSH) responsiveness in benign and malignant "cold" thyroid nodules.
Trans Assoc Am Physicians 85:309-16, 1972
ADENINE, metabolism/ *ADENOCARCINOMA, metabolism/ *ADENOMA, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ COLLOIDS/ GLUCOSE, metabolism/ HUMAN/ IN VITRO/ *IODIDES, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ PHOSPHOLIPIDS, biosynthesis/ PHOSPHORUS ISOTOPES/ STIMULATION, CHEMICAL/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROID NEOPLASMS, metabolism/ *THYROTROPIN, pharmacodynamics/ TRITIUM

2207. **Larsen PR, Yamashita K, Dekker A, et al:** Biochemical observations in functioning human thyroid adenomas.
J Clin Endocrinol Metab 36:1009-18, May 73
ADENINE, metabolism/ *ADENOMA, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, biosynthesis/ ADULT/ CARBON ISOTOPES/ DIIODOTYROSINE, biosynthesis/ ENZYME ACTIVATION/ FEMALE/ GLUCOSE, metabolism/ HUMAN/ *IODIDES, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, biosynthesis/ *THYROID NEOPLASMS, metabolism/ THYROTROPIN, pharmacodynamics/ THYROXINE, biosynthesis/ TRIIODOTHYRONINE, biosynthesis/ TRITIUM

2208. **Larson LL, Spilman CH, Dunn HO, et al:** Reproductive efficiency in aged female rabbits given supplemental progesterone and oestradiol.
J Reprod Fertil 33:31-8, Apr 73
*AGING/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ CHROMOSOME ABNORMALITIES/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FERTILIZATION/ GESTATIONAL AGE/ KARYOTYPING/ NIDATION, drug effects/ OVULATION/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RABBITS/ *REPRODUCTION, drug effects/ TIME FACTORS

2209. **Laster DB, Glimp HA, Gregory KE:** Effects of early weaning on postpartum reproduction of cows.
J Anim Sci 36:734-40, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BREEDING/ *CATTLE, physiology/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ FERTILIZATION/ INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ *PUERPERIUM/ *REPRODUCTION/ TIME FACTORS/ *WEANING

2210. **László J, Gaál M, Bósze P:** Geschlechtshestimmung des intrauterinen Fetus durch den Nachweis der fluoreszierenden Y-Körperchens in den Amnionzellen.
Zentralbl Gynaekol 94:1534-8, 11 Nov 72 (Ger)
AMNIOCENTESIS/ AMNION, cytology/ AMNIOTIC FLUID, analysis/ FEMALE/ *FETUS/ GESTATIONAL AGE/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ PREGNANCY/ SEX CHROMATIN, analysis/ *SEX DETERMINATION

2211. **Laties AM:** The visual connection: enter nucleus suprachiasmaticus.
Invest Ophthalmol 12:237-9, Apr 73
ANIMAL EXPERIMENTS/ AXOPLASMIC FLOW/ FEMALE/ HUMAN/ HYPOTHALAMUS/ *HYPOTHALAMUS, cytology/ MAMMALS/ NEURAL INTERCONNECTIONS, cytology/ *OPTIC CHIASM, cytology/ OPTIC CHIASM, physiology/ RATS/ RETINA/ *RETINA, cytology

2212. **Latik IV:** Morfolohiia endometriia, tsytolohiia vahinal'nykh mazkiv ta ekskretsiia statevykh hormoniv u zhinok pisiia tryvaloho zastosuvannia vnutrimatkovykh kontratseptyvnykh zasobiv typu "petiia". Pediatr Akush Ginekol 5:50-2, Oct 72 (Ukr)
ADULT/ ENDOMETRIUM, cytology/ ESTROGENS, urine/ FEMALE/ *GYNECOLOGIC DISEASES, etiology/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ *VAGINAL SMEARS

2213. **Lauersen NH, Raghavan KS, Wilson KH, et al:** Effects of prostaglandin F 2 , oxytocin, and ethanol on the uterus of the pregnant bahoon.
Am J Obstet Gynecol 115:912-8, 1 Apr 73
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BABOONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ LABOR, INDUCED/ MONKEYS/ MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects

2214. **Lauersen NH, Wilson KH:** Continuous prostaglandin-F 2 infusion for middle-trimester abortion.
Lancet 813:1195, 23 May 73
*ABORTION, THERAPEUTIC/ AMNION/ FEMALE/ HUMAN/ INJECTIONS/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ TIME FACTORS

2215. **Laurenzi GA:** The mucociliary stream.
J Occup Med 15:175-6, Mar 73
ANIMAL EXPERIMENTS/ *BRONCHI, physiology/ CARDIAC GLYCOSIDES, pharmacodynamics/ CATS/ CILIA, drug effects/ CILIA, physiology/ DOGS/ HUMAN/ MUCOUS MEMBRANE, drug effects, MUCOUS MEMBRANE, physiology/ MUCUS, physiology/ MUCUS, secretion/ OXYGEN, toxicity/ RESPIRATORY TRACT DISEASES, etiology/ SEROTONIN, pharmacodynamics/ *TRACHEA, physiology/ VISCOSITY

2216. **Lausberg G:** Zentrale Störungen der Temperaturregulation. Eine klinisch-experimentell Studie.
Acta Neurochir (Wien) 19:Suppl:1-168, 1972 (Ger)
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION/ BRAIN DEATH/ BRAIN INJURIES, ACUTE, physiopathology/ BRAIN STEM, physiology/ CENTRAL NERVOUS SYSTEM, physiology/ *CENTRAL NERVOUS SYSTEM, physiopathology/ *CENTRAL NERVOUS SYSTEM DISEASES, physiopathology/ CEREBRAL CORTEX, physiology/ CHILD/ CHILD, PRESCHOOL/ COLD/ DECEREBRATE STATE, physiopathology/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ FEMALE/ FEVER, etiology/ HEAT/ HUMAN/ HYPOTHALAMUS, surgery/ HYPOTHERMIA, etiology/ INFANT/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS

2217. **Lausberg G:** Zentrale Störungen der Temperaturregulation.
Fortschr Med 91:30-4, 11 Jan 73 (Ge
ADULT/ *BODY TEMPERATURE REGULATION/ BRAIN DISEASES, physiopathology/ BRAIN INJURIES, ACUTE, complications/ *CENTRAL NERVOUS SYSTE physiopathology/ COLD/ FEVER, etiology/ FEVER, physiopathology/ HUMAN/ HYPOTHERMIA, physiopathology/ MALE/ PITUITARY NEOPLASMS, complications/ *POSTOPERATIVE COMPLICATIONS/ PULSI

2218. **Lauweryns JM, Cokelaere J, Theunynck P:** Serotor producing neuroepithelial bodies in rabbit respiratory mucosa. Science 180:410-3, 27 Apr
ANIMAL EXPERIMENTS/ BRONCHI, cytolog *BRONCHI, innervation/ EPITHELIAL CELL cytology/ HISTOCYTOCHEMISTRY/ LUNG, cytology/ *LUNG, innervation/ MICROSCOPY ELECTRON/ MICROSCOPY, FLUORESCENCI PULMONARY ALVEOLI, cytology/

PULMONARY ALVEOLI, innervation/ RABBITS/ *RECEPTORS, NEURAL, cytology/ RECEPTORS, NEURAL, metabolism/ SEROTONIN, analysis/ *SEROTONIN, biosynthesis/ SPECTRUM ANALYSIS/ STAINS AND STAINING

2219. **Laverty CR, Fortune DW, Beischer NA:** Congenital idiopathic adrenal hypoplasia.
Obstet Gynecol 41:655-64, May 73
*ADRENAL GLAND DISEASES, congenital/ ADULT/ FEMALE/ FETAL DISEASES, etiology/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ PREGNANCY/ PREGNANCY IN DIABETES, complications/ PREGNANCY TOXEMIAS, complications

2220. **Law J:** Symposium on current surgical nursing: the fat embolism syndrome.
Nurs Clin North Am 8:191-8, Mar 73 (27 ref.)
ALCOHOL, ETHYL, therapeutic use/ CLOFIBRATE, therapeutic use/ *EMBOLISM, FAT/ EMBOLISM, FAT, nursing/ EMBOLISM, FAT, prevention & control/ FRACTURES, complications/ HEPARIN, therapeutic use/ HUMAN/ REVIEW/ STEROIDS, therapeutic use/ SURGICAL NURSING

2221. **Lawrence GD, Loeffler RG, Martin LG, et al:** Immobilization hypercalcemia. Some new aspects of diagnosis and treatment.
J Bone Joint Surg [Am] 55:87-94, Jan 73
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CALCIUM, urine/ CALLUS/ *CASTS, SURGICAL, adverse effects/ CHILD/ *FEMORAL FRACTURES, complications/ HUMAN/ HYPERCALCEMIA, drug therapy/ *HYPERCALCEMIA, etiology/ INJECTIONS, INTRAVENOUS/ MALE/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ PREDNISONE, therapeutic use/ SODIUM CHLORIDE/ WOUND HEALING

2222. **Layzell MS:** Carcinomatosis.
Nurs Times 69:503-4, 19 Apr 73
*ADENOCARCINOMA/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS

2223. **Lazar G:** Observations on the activity of the reticuloendothelial system in estradiol- and diethylstilbestrol-treated rats.
Endokrinologie 61:152-5, 1973
ANIMAL EXPERIMENTS/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ MICE/ PHAGOCYTOSIS, drug effects/ RATS/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ TIME FACTORS

2224. **Lazar G, Szabo S:** Effect of hypophysectomy and catatoxic steroids on thioacetamide-induced adrenal lesions in rats. Endokrinologie 61:97-100, 1973
*ACETAMIDES, pharmacodynamics/ ADRENAL GLAND DISEASES, chemically induced/ *ADRENAL GLANDS, drug effects/ ANABOLIC STEROIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEXAMETHASONE, pharmacodynamics/ ETHYLESTRENOL, pharmacodynamics/ FEMALE/ HEMORRHAGE/ *HYPOPHYSECTOMY/ NECROSIS/ OXANDROLONE, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ RATS/ SPIRONOLACTONE, pharmacodynamics

2225. **Lazarini HJ, Doignon J, Benezech M, et al:** Criminologie et aberrations gonosomiques. Recherches sur les malades mentaux dangereux porteurs d'un chromosome Y supplémentaire (à propos de 6 observations.
Med Leg Domm Corpor (Paris) 5:128-38, Apr-Jun 72 (Fre)
ADULT/ *CRIMINOLOGY/ FEMALE/ FORENSIC MEDICINE/ HUMAN/ *MENTAL DISORDERS, complications/ *SEX CHROMOSOME ABNORMALITIES, complications

2226. **Lazeanu M, Popovici C, Colfescu S:** Actualităţi şi contribuţii la tratamentul fibromului nazofaringian.
Otorinolaringologie 18:I-I6, Jan-Feb 73 (Rum)
ADULT/ ANDROGENS, therapeutic use/ CHILD/ COBALT ISOTOPES, therapeutic use/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FIBROMA, drug therapy/ FIBROMA, radiotherapy/ *FIBROMA, surgery/ HUMAN/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, drug therapy/ NASOPHARYNGEAL NEOPLASMS, radiotherapy/ *NASOPHARYNGEAL NEOPLASMS, surgery/ NEOPLASM RECURRENCE, LOCAL/ TESTOSTERONE, therapeutic use

2227. **Lebherz HG, Bradshaw RA, Rutter WJ:** Structural comparisons between the class I fructose diphosphate aldolases from Micrococcus aerogenes and rabbit.
J Biol Chem 248:1660-5, 10 Mar 73
ACETONE/ ALDOLASE, analysis/ *ALDOLASE, analysis/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ BINDING SITES/ CARBON ISOTOPES/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ CYANATES/ FRUCTOSE DIPHOSPHATASE, analysis/ IODOACETATES/ *MICROCOCCUS, enzymology/ MUSCLES, enzymology/ ORGANOPHOSPHORUS COMPOUNDS/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ PROTEIN BINDING/ RABBITS/ THIOCYANATES/ TRIOSES/ TRITIUM/ TRYPSIN

2228. **Le Cam A:** Utilisation du séphadex G-25 comme échangeur d'ions. Application à la séparation des dérivés indoliques.
J Chromatogr 77:450-4, 28 Mar 73 (Fre)
*CHROMATOGRAPHY, ION EXCHANGE/ *INDOLES/ METHODS/ SEROTONIN/ *TRYPTAMINES/ *TRYPTOPHAN

2229. **Lechago J, Bencosme SA:** The endocrine elements of the digestive system.
Int Rev Exp Pathol 12:119-201, 1973 (448 ref.)
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, secretion/ CARCINOID TUMOR, physiopathology/ CHOLECYSTOKININ, secretion/ CHROMAFFIN SYSTEM, cytology/ DIABETES MELLITUS, physiopathology/ *DIGESTIVE SYSTEM, physiology/ GASTRIC JUICE, secretion/ GASTRIN, secretion/ GASTROINTESTINAL HORMONES, secretion/ GASTROINTESTINAL NEOPLASMS, physiopathology/ GASTROINTESTINAL SYSTEM, cytology/ GASTROINTESTINAL SYSTEM, physiology/ GLUCAGON, secretion/ HUMAN/ INSULIN, secretion/ INTESTINES, physiology/ PANCREAS, cytology/ PANCREAS, physiology/ PANCREAS, secretion/ PANCREATIC NEOPLASMS, physiopathology/ PANCREOZYMIN, secretion/ PEPTIC ULCER, physiopathology/ REVIEW/ SECRETIN, secretion/ SYNDROME, physiopathology

2230. **Leckie B:** The activation of a possible zymogen of renin in rabbit kidney. Clin Sci 44:301-4, Mar 73
ANIMAL EXPERIMENTS/ *BIOCHEMISTRY/ CHROMATOGRAPHY/ ENZYME ACTIVATION/ *ENZYME PRECURSORS/ HYDROGEN-ION CONCENTRATION/ *KIDNEY, enzymology/ MOLECULAR WEIGHT/ RABBITS/ RATS/ *RENIN

2231. **Lederer H, Lambourne A:** The results of screening by cervical cytology and of histological examination of gynaecological operation specimens.
J Obstet Gynaecol Br Commonw 80:67-71, Jan 73
BIOPSY/ CARCINOMA, diagnosis/ *CERVIX NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, pathology/ *CERVIX UTERI, pathology/ FALSE POSITIVE REACTIONS/ FEMALE/ GYNECOLOGIC DISEASES, pathology/ GYNECOLOGIC DISEASES, surgery/ HUMAN/ HYSTERECTOMY/ MASS SCREENING/ OVARIAN NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, diagnosis/ *VAGINAL SMEARS

2232. **Ledford BE, Frieden E:** Albumin synthesis during induced and spontaneous metamorphosis in the

bullfrog Rana catesbeiana. Dev Biol 30:187-97, Jan 73
*ALBUMINS, biosynthesis/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FROGS/ *METAMORPHOSIS, BIOLOGICAL/ *RANA CATESBEIANA, physiology/ SERUM ALBUMIN/ STIMULATION, CHEMICAL/ TEMPERATURE/ TIME FACTORS/ TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM

2233. **Ledger WJ:** The surgical care of severe infections in obstetric and gynecologic patients.
Surg Gynecol Obstet 136:753-8, May 73
ABSCESS, surgery/ ADNEXITIS, surgery/ ADULT/ ANTIBIOTICS, therapeutic use/ CROSS INFECTION, surgery/ FALLOPIAN TUBES/ FEMALE/ GYNECOLOGIC DISEASES, drug therapy/ *GYNECOLOGIC DISEASES, surgery/ HUMAN/ INFECTION, drug therapy/ *INFECTION, surgery/ MIDDLE AGE/ OVARIAN DISEASES, surgery/ PREGNANCY/ PUERPERAL INFECTION, drug therapy/ *PUERPERAL INFECTION, surgery/ SURGICAL WOUND INFECTION, surgery/ UTERINE DISEASES, surgery

2234. **Lee HH, Roberts RD:** Incorporation of (3 H)glucosamine to the surface component of testicular cultures and the differential response of steroidogenic and fibroblastic cells in vitro to cytochalasin B. In Vitro 8:368-74, Mar-Apr 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CELL SURVIVAL/ CELLS, CULTURED/ CHICKENS/ CYTOCHALASIN B, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *FIBROBLASTS, drug effects/ GLUCOSAMINE, antagonists & inhibitors/ *GLUCOSAMINE, metabolism/ HISTOLOGICAL TECHNICS/ *INDOLES, pharmacodynamics/ MALE/ MICROSCOPY, PHASE CONTRAST/ *MONILIALES/ STEROIDS, biosynthesis/ TESTIS/ TRICHLOROACETIC ACID/ TRITIUM/ TRYPSIN

2235. **Lee JB:** Natriuretic "hormone" and the renal prostaglandins. Prostaglandins 1:55-70, Jan 72
ADRENAL MEDULLA, physiology/ AMINOHIPPURIC ACID/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERTENSION/ KIDNEY, blood supply/ KIDNEY, drug effects/ NATRIURESIS, drug effects/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS/ REGIONAL BLOOD FLOW/ SPECIAL LIST REPRODUCTION/ URINE, secretion

2236. **Lee YH, Cheng WD, Bianchi RG, et al:** Effects of oral administration of PGE2 on gastric secretion and experimental peptic ulcerations.
Prostaglandins 3:29-45, Jan 73
ANIMAL EXPERIMENTS/ BUFFERS/ CATS/ DUODENUM, drug effects/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ GUINEA PIGS/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ LIGATION/ MALE/ PENTAGASTRIN/ PEPSIN, antagonists & inhibitors/ PEPTIC ULCER, chemically induced/ PEPTIC ULCER, prevention & control/ PHENOTHIAZINES/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ PYLORUS, physiology/ RATS/ RESERPINE/ SPECIAL LIST REPRODUCTION

2237. **Leeper DB, Schneiderman MH, Dewey WC:** Radiation-induced cycle delay in synchronized Chinese hamster cells: comparison between DNA synthesis and division. Radiat Res 53:326-37, Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELLS, CULTURED, radiation effects/ *DNA, biosynthesis/ FEMALE/ FIBROBLASTS/ HAMSTERS/ *MITOSIS, radiation effects/ OVARY/ *RADIATION EFFECTS/ THYMIDINE/ TRITIUM

2238. **Lees JF, Alexander WD:** Effect of phenobarbitone on metabolism of methimazole. Lancet 1:616, 17 Mar 73
DRUG INTERACTIONS/ HUMAN/ MALE/ *METHIMAZOLE, metabolism/ *PHENOBARBITAL, pharmacodynamics/ RATS/ SULFUR ISOTOPES/ *THYROID GLAND, metabolism

2239. **Lefauconnier JM, Portemer C, Billy G de, et al:** Redistribution of pyridoxal phosphate in the male rat liver as a result of repeated injections of hydrocortisone.
Biochim Biophys Acta 297:135-41, 24 Jan 73
ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ ASPARTIC ACID/ CARBOXY-LYASES, metabolism/ CYSTATHIONINE/ CYSTEINE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HOMOCYSTEINE/ HOMOSERINE/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ HYDRO-LYASES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ LYASES, metabolism/ MALE/ *PYRIDOXAL PHOSPHATE, metabolism/ RATS/ SEASONS/ SERINE/ SERINE DEHYDRATASE, metabolism/ TIME FACTORS/ TYROSINE AMINOTRANSFERASE, metabolism

2240. **Lefebvre J, Fossati P, Christiaens JL, et al:** Perte de sa d'origine centrale probable après plaie cranio-cérébrale par balle.
Ann Endocrinol (Paris) 33:73-82, Jan-Feb 72 (Fr
CEREBRAL ANGIOGRAPHY/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYPONATREMIA, drug therapy/ *HYPONATREMIA, etiology/ *HYPOTHALAMUS, injuries/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ NATRIURESIS/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ SODIUM, metabolism/ VASOPRESSIN, metabolism/ WATER-ELECTROLYTE BALANCE/ *WOUNDS, GUNSHOT, complications

2241. **Lefkowitz RJ:** Isolated hormone receptors: physiolog and clinical implications.
N Engl J Med 288:1061-6, 17 May 73 (50 ref
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE metabolism/ ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ ENDOCRINE DISEASES, metabolism/ HEART FAILURE, CONGESTIVE metabolism/ HORMONES, metabolism/ HUMAN/ HYPERTENSION, metabolism/ INSULIN, metabolism/ MEMBRANES, analysis MICROSOMES, analysis/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ RECEPTORS, ADRENERGIC/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ REVIEW/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP

2242. **Lefkowitz RJ, Levey GS:** Norepinephrine: dissociati of -receptor binding from adenylate cyclase activati in solubilized myocardium.
Life Sci [II] 11:821-8, 22 Aug 72
*ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATS/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL FILTRATION/ IN VITRO/ *MYOCARDIUM, enzymology/ MYOCARDIUM

metaholism/ *NOREPINEPHRINE, metaholism/ PHOSPHOINOSITIDES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROTEIN BINDING, drug effects/ *RECEPTORS, ADRENERGIC/ SURFACE-ACTIVE AGENTS/ TRITIUM

243. Lefkowitz RJ, Sharp GW, Haber E: Specific binding of -adrenergic catecholamines to a subcellular fraction from cardiac muscle. J Biol Chem 248:342-9, 10 Jan 73
ADENYL CYCLASE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ *CATECHOLAMINES, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ DOGS/ ENZYME ACTIVATION/ HEART, drug effects/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ MICROSOMES, metabolism/ MYOCARDIUM, cytology/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ STEREOISOMERS/ SUBCELLULAR FRACTIONS, drug effects/ SULFHYDRYL REAGENTS, pharmacodynamics/ TEMPERATURE/ TRITIUM/ UREA, pharmacodynamics

244. Legros JJ, Grau JD: Effect of ethinyl-oestradiol on some neurohypophysial active compounds in the rat. Nature [New Biol] 241:247-9, 21 Feb 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ MALE/ *NEUROPHYSINS, blood/ ORGAN WEIGHT/ OXYTOCIN, blood/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONES, POSTERIOR, blood/ RADIOIMMUNOASSAY/ RATS/ VASOPRESSIN, blood

245. Legros JJ, Moray D, Fassotte A, et al: Modification du taux de la neurophysine sérique lors de l'insuffisance rénale chronique.
J Urol Nephrol (Paris) 78:734-7, Sep 72 (Fre)
HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, physiopathology/ *NEUROPHYSINS, blood/ NEUROPHYSINS, physiology/ RADIOIMMUNOASSAY/ SECRETORY RATE

246. Legula AL: A Latin American field trial with a once-a-month oral contraceptive.
J Reprod Med 10:202-3, Apr 73
ADULT/ *CONTRACEPTIVES, ORAL, therapeutic use/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENSTRUATION, drug effects/ QUINESTROL, therapeutic use/ SOUTH AMERICA

247. Leguit P Jr, Meinesz A, Zeijlemaker WP, et al: Immunological studies in burn patients. I. Lymphocyte transformation in vitro.
Int Arch Allergy Appl Immunol 44:101-21, 1973
ADOLESCENCE/ ADRENAL GLANDS, secretion/ ADULT/ ANTIBODIES, BACTERIAL, analysis/ *BURNS, immunology/ CHILD/ CHILD, PRESCHOOL/ COMPLEMENT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, secretion/ IMMUNE ADHERENCE REACTION/ INFANT/ *LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/ NEUTRALIZATION TESTS/ PLANT AGGLUTININS, pharmacodynamics/ TETANUS, immunology

248. Lehmann F, Peters F, Breckwoldt M, et al: [Plasma progesterone levels during infusion of prostaglandin F2alpha in the human. Prostaglandins 1:269-77, Apr 72
ABORTION, INDUCED/ ADULT/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ CURETTAGE/ DEPRESSION, CHEMICAL/ DILATATION/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MENSTRUATION, drug effects/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, drug effects

2249. Lehrer GM, Maker HS, Weissbarth S: Brain uptake of methylprednisolone acetate. From the cerebrospinal fluid and systemic sites. Arch Neurol 28:324-8, May 73
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ CATS/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ EVALUATION STUDIES/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRATHECAL/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, blood/ METHYLPREDNISOLONE, cerebrospinal fluid/ *METHYLPREDNISOLONE, metabolism/ METHYLPREDNISOLONE, therapeutic use/ PONS, metabolism/ SPINAL CORD, metabolism/ SUBARACHNOID SPACE/ THALAMUS, metabolism/ TRITIUM

2250. (Lejtes SM), Korec R: Samuil Mojsiejevič Lejtes (1899-1972. Vnitr Lek 19:392, Apr 73 (Slo)
CURRENT BIOG-OBIT/ DIABETES MELLITUS, history/ DIABETES MELLITUS, therapy/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ UKRAINE

2251. LeMaire WJ, Shapiro AG: Prostaglandin F 2alpha: its effect on the corpus luteum of the menstrual cycle. Prostaglandins 1:259-67, Apr 72
ADULT/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MENSTRUATION, drug effects/ OVULATION, drug effects/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

2252. Le Marec B, Kerisit J, Villartay A de, et al: Lártère ombilicale unique. Etude de 31 cas.
J Gynecol Obstet Biol Reprod (Paris) 1:825-41, Dec 72 (Fre)
ABNORMALITIES, MULTIPLE/ ADULT/ BIRTH WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ INFARCTION, diagnosis/ MALE/ MATERNAL AGE/ PARITY/ PLACENTA, abnormalities/ *PLACENTA DISORDERS, complications/ PREGNANCY/ *UMBILICAL ARTERIES, abnormalities/ UMBILICAL CORD, abnormalities

2253. Lemmer B: Effects of amantadine and amphetamine on serotonin uptake and release by human blood platelets. Eur J Pharmacol 21:183-8, Feb 73
AMANTADINE, administration & dosage/ *AMANTADINE, pharmacodynamics/ AMPHETAMINE, administration & dosage/ *AMPHETAMINE, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ KINETICS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM

2254. Lemon M: Peripheral plasma progesterone during pregnancy and the oestrous cycle in the tammar wallaby, Macropus eugenii.
J Endocrinol 55:63-71, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ LABOR/ *MARSUPIALIA, physiology/ OVARY, physiology/ PHYSIOLOGY, COMPARATIVE/

*PREGNANCY, ANIMAL/ PROGESTATIONAL HORMONES, blood/ *PROGESTERONE, blood/ RADIOLIGAND ASSAY

2255. **Lengvári I, Halász B:** Evidence for a diurnal fluctuation in plasma corticosterone levels after fornix transection in the rat.
Neuroendocrinology 11:191-6, 1973
ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ CORTICOSTERONE, secretion/ CORTICOTROPIN, secretion/ *HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ MALE/ *MAMMILLARY BODIES, physiology/ PITUITARY GLAND, secretion/ RATS

2256. **Lennon AM, Steinberg HR:** Evidence for involvement of Ca 2+ in the incorporation of 32 P i into the phosphatidylinositol of rat diaphragm.
J Neurochem 20:337-45, Feb 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CEPHALINS, metabolism/ CHELATING AGENTS, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ DIAPHRAGM, drug effects/ *DIAPHRAGM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MAGNESIUM, metabolism/ MALE/ *PHOSPHOINOSITIDES, metabolism/ PHOSPHOLIPIDS, isolation & purification/ PHOSPHORUS ISOTOPES/ RATS/ TIME FACTORS/ TRITIUM

2257. **Lennox J, Johnston ID:** The effect of thyroid status on nitrogen balance and the rate of wound healing after injury in rats. Br J Surg 60:309, Apr 73
ANIMAL EXPERIMENTS/ BASAL METABOLISM/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ *NITROGEN, metabolism/ RATS/ *THYROID GLAND, physiopathology/ THYROIDECTOMY/ *WOUND HEALING

2258. **Leon M, Moltz H:** Endocrine control of the maternal pheromone in the postpartum female rat.
Physiol Behav 10:65-7, Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ LACTATION/ *MATERNAL BEHAVIOR/ MATERNAL BEHAVIOR, drug effects/ ODORS/ OVARY, physiology/ PARITY/ *PHEROMONES, secretion/ PREGNANCY/ PROLACTIN, pharmacodynamics/ *PROLACTIN, physiology/ *PUERPERIUM/ RATS/ SMELL

2259. **Léonard A, Deknudt G:** Chemical radioprotection against chromosome rearrangements induced in spermatogonia of mice.
Strahlentherapie 145:174-7, Feb 73
AET, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ CYSTEINE, pharmacodynamics/ DRUG COMBINATIONS/ GLUTATHIONE, pharmacodynamics/ MALE/ MEIOSIS/ MERCAPTOETHYLAMINES, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ RADIATION EFFECTS/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SPERMATOZOA, radiation effects

2260. **Leonard BE:** 'Hallucinogenic drugs and central transmitter substances'. Int J Neurosci 4:35-43, Jul 72
AMPHETAMINE, pharmacodynamics/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ DOPAMINE, metabolism/ *HALLUCINOGENS, pharmacodynamics/ HUMAN/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MESCALINE, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, metabolism/ PARASYMPATHOLYTICS, pharmacodynamics/ PHENCYCLIDINE, pharmacodynamics/ SEROTONIN, metabolism/ TETRAHYDROCANNABINOL, pharmacodynamics

2261. **Leonard BE:** The effect of some synthetic analogues o ACTH on the metabolism of biogenic amines in the ra brain. Br J Pharmacol 46:560P-561P, Nov 72
*AMINES, metabolism/ AMINOBUTYRIC ACID analysis/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN STEM, analysis/ CEREBRAL CORTEX, analysis/ P-CHLOROPHENYLALANINE, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ MALE/ MESENCEPHALON analysis/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, analysis/ NORMETANEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, analysis

2262. **Le Roith D, Pimstone BL:** Bone metabolism an composition in the protein-deprived rat.
Clin Sci 44:305-19, Apr 73
ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BONE AND BONES analysis/ *BONE AND BONES, metabolism/ BONE DEVELOPMENT/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM ISOTOPES, EPIPHYSES/ INTESTINAL ABSORPTION/ MAGNESIUM, blood/ MALE/ ORGAN WEIGHT/ PHOSPHORUS, analysis/ *PROTEIN DEFICIENCY, metabolism/ RATS/ SERUM ALBUMIN, analysis/ WHOLE BODY COUNTERS

2263. **Leskova R, Tsompanidou G:** Beitrag zur Kenntnis d Neuraminsäuregehaltes in der Milch.
Wien Tieraerztl Monatsschr 60:60-2, Feb-Mar 73 (Ge
CATTLE/ ENGLISH ABSTRACT/ FEMALE/ LACTATION/ *MILK, analysis/ MILK, HUMAN, analysis/ *NEURAMINIC ACIDS, analysis

2264. **Lesniak MA, Roth J, Gorden P, et al:** Human grow bormone radioreceptor assay using cultured hum lymphocytes. Nature [New Biol] 241:20-2, 3 Jan
ACROMEGALY, blood/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CATTLE/ CELLS, CULTURED/ HUMAN/ IODINE ISOTOPES/ *LYMPHOCYTES, metabolism/ METHODS/ PROLACTIN, metabolism/ *RADIOLIGAND ASSAY/ RATS/ SHEEP/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ SPECIES SPECIFICITY/ SWINE

2265. **Letchworth AT:** Placental lactogen and fetal distre
Nurs Mirror 136:32-3, 6 Apr 73
FETAL DISEASES, diagnosis/ PLACENTAL LACTOGEN, blood/ SPECIAL LIST NURSIN

2266. **Letter AA, Zombor G, Henderson JF:** Tryptophan a source of one-carbon units for purine biosynthesis novo. Can J Biochem 51:486-8, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ FEMALE/ FORMATES, metabolism/ HYDROCORTISONE, pharmacodynamics/ INTESTINES, metabolism KIDNEY, metabolism/ LIVER, metabolism/ MICE/ *PURINES, biosynthesis/ SERINE, metabolism/ TIME FACTORS/ *TRYPTOPHA metabolism

2267. **Leung BS, Fletcher WS, Lindell TD, et al:** Predictabi of response to endocrine ablation in advanced bre carcinoma. A correlation to estrogen receptor steroid sulfurylation. Arch Surg 106:515-9, Apr
ADRENAL GLAND NEOPLASMS, metabolis *ADRENALECTOMY/ ADULT/ AGED/ *BREAST NEOPLASMS, therapy/ DEHYDROEPIANDROSTERONE, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ HUMAN/ LIVER NEOPLASMS, metabolism/ LYMPHATIC METASTASIS/ MIDDLE AGE/ OVARIAN NEOPLASMS, metabolism/ *RECEPTORS, HORMONE/ SKI NEOPLASMS, metabolism/ SULFUR ISOTOPES/ *SULFURIC ACIDS, metabolism

2268. **Leuschner U, Usadel KH, Schwedes U, et al**

Nervenfasern in Tubuluswänden des Hodens bei Patienten mit Klinefelter-Syndrom. Elektronenmikroskopische und elektronenmikroskopisch-enzymhistochemische Untersuchungen.
Virchows Arch [Pathol Anat] 358:331-41, 19 Feb 73 (Ger)
ADOLESCENCE/ ADULT/ AXONS/ BASEMENT MEMBRANE/ CHILD/ CHOLINESTERASE, analysis/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ HUMAN/ *KLINEFELTER'S SYNDROME, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEUROFIBRILS/ SCHWANN CELLS/ TESTIS, enzymology/ *TESTIS, innervation

2269. **Leutskii KM, Matsepa RL:** Vmist sfingolipidiv ta aktyvnist' ikh hidrolaz v orhanakh shchuriv za nedostatnosti vitaminu.
Ukr Biokhim Zh 45:7-12, 1973 (Ukr)
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CEREBROSIDES, analysis/ ENGLISH ABSTRACT/ GANGLIOSIDES/ GANGLIOSIDES, analysis/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ *NEURAMINIDASE, metabolism/ *PHOSPHODIESTERASES, metabolism/ RATS/ *SPHINGOLIPIDS, metabolism/ SPHINGOMYELINS/ SPHINGOMYELINS, analysis/ SULFATIDES, analysis/ TESTIS, metabolism/ *VITAMIN A DEFICIENCY, metabolism

2270. **Levin RJ, Syme G:** The influence of oxygen tension, glucose and anaesthesia on the oxygen consumption of the jejunum from normal and hypothyroid rats.
J Physiol (Lond) 230:36P-38P, Apr 73
*ANESTHESIA/ ANIMAL EXPERIMENTS/ *GLUCOSE, metabolism/ *HYPOTHYROIDISM, metabolism/ IN VITRO/ *JEJUNUM, metabolism/ OXYGEN/ *OXYGEN CONSUMPTION/ PENTOBARBITAL/ RATS

2271. **Levina SE:** Influence of unilateral ovariectomy in the infantile rat on the state of the remaining ovary, the uterus, and the secretion of follicle-stimulating gonadotropin.
Sov J Dev Biol 3:249-52, May-Jun 72
ANIMAL EXPERIMENTS/ CASTRATION/ ESTROGENS, blood/ ESTROGENS, secretion/ FEEDBACK/ FEMALE/ *FSH, secretion/ GRAAFIAN FOLLICLE, growth & development/ HYPERTROPHY/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, cytology/ OVARY, growth & development/ *OVARY, physiology/ OVARY, secretion/ PITUITARY GLAND, analysis/ PITUITARY GLAND, growth & development/ PITUITARY GLAND, secretion/ RATS/ *UTERUS, growth & development

2272. **Levine GD:** Primary thymic seminoma--a neoplasm ultrastructurally similar to testicular seminoma and distinct from epithelial thymoma.
Cancer 31:729-41, Mar 73
ADULT/ BASEMENT MEMBRANE, pathology/ CELL NUCLEOLUS/ CELLULAR INCLUSIONS/ DESMOSOMES/ *DISGERMINOMA, pathology/ GLYCOGEN/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ ORGANOIDS/ *TESTICULAR NEOPLASMS, pathology/ *THYMOMA, pathology/ THYMUS GLAND, pathology/ *THYMUS NEOPLASMS, pathology

2273. **Levine S, Franki N, Hays RM:** Effect of phloretin on water and solute movement in the toad bladder.
J Clin Invest 52:1435-42, Jun 73
*ACETAMIDES, metabolism/ ALCOHOL, ETHYL, metabolism/ *AMIDES, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLADDER, drug effects/ BLADDER, metabolism/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FORMALDEHYDE, pharmacodynamics/ GLYCOLS, metabolism/ OSMOSIS/ PHLORETIN, administration & dosage/ *PHLORETIN, pharmacodynamics/ SODIUM, metabolism/ THIOUREA, pharmacodynamics/ TIME FACTORS/ TOADS/ *UREA, metabolism/ VASOPRESSIN, pharmacodynamics/ *WATER, metabolism

2274. **Levine S, Goldman L, Coover GD:** Expectancy and the pituitary-adrenal system.
Ciba Found Symp 8:281-91, 1972
ADRENAL GLANDS, physiology/ AFFECT/ ANIMAL EXPERIMENTS/ AROUSAL/ AVOIDANCE LEARNING/ CENTRAL NERVOUS SYSTEM, physiology/ CONDITIONING, CLASSICAL/ CONDITIONING, OPERANT/ CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, physiology/ EMOTIONS/ ENVIRONMENT/ EXTINCTION (PSYCHOLOGY)/ FRUSTRATION/ HABITUATION (PSYCHOPHYSIOLOGY)/ HYPOTHALAMUS, physiology/ MODELS, PSYCHOLOGICAL/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, physiology/ PSYCHOPHYSIOLOGY/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *STRESS, PSYCHOLOGICAL/ TIME FACTORS/ WATER DEPRIVATION

2275. **Levine S, Misra P:** Adiposity of small intestinal submucosa associated with malabsorption.
Arch Pathol 95:416-8, Jun 73
*ADIPOSE TISSUE, pathology/ AUTOPSY/ BIOPSY/ *GLUTEN, metabolism/ HUMAN/ INTESTINAL MUCOSA, pathology/ MALABSORPTION SYNDROMES, complications/ MALABSORPTION SYNDROMES, etiology/ *MALABSORPTION SYNDROMES, pathology/ MALE/ MIDDLE AGE/ OBESITY, chemically induced/ OBESITY, etiology/ OBESITY, pathology/ PREDNISOLONE, adverse effects

2276. **Levinson HZ:** Zur Evolution und Biosynthese der terpenoiden Pheromone und Hormone.
Naturwissenschaften 59:477-84, Nov 72 (127 ref.) (Ger)
ECDYSONE, biosynthesis/ ENGLISH ABSTRACT/ *EVOLUTION/ FARNESOL, biosynthesis/ FISHES, metabolism/ FUNGI, metabolism/ GIBBERELLINS, biosynthesis/ HELMINTHS, metabolism/ INSECTS, metabolism/ *INVERTEBRATE HORMONES, biosynthesis/ JUVENILE HORMONES/ *PHEROMONES, biosynthesis/ PLANTS, metabolism/ REVIEW/ STEROIDS, biosynthesis/ TERPENES, biosynthesis

2277. **Levitt M, Gessert C, Finberg L:** Inorganic phosphate (laxative) poisoning resulting in tetany in an infant.
J Pediatr 82:479-81, Mar 73
CALCIUM, therapeutic use/ *CATHARTICS, poisoning/ FEMALE/ GLUCONATES, administration & dosage/ GLUCONATES, therapeutic use/ HUMAN/ *HYPOCALCEMIA, chemically induced/ INFANT/ PHOSPHATES, blood/ *PHOSPHATES, poisoning/ POISONING, drug therapy/ RESPIRATION, drug effects/ SODIUM/ *TETANY, chemically induced/ TETANY, drug therapy

2278. **Levitt MJ, Josimovich JB, Broskin KD:** Analysis of prostaglandins by electron-capture gas chromatography. I. Thermal decomposition of heptafluorobutyrate methyl esters of F1alpha and F2alpha.
Prostaglandins 1:121-31, Feb 72
BUTYRATES/ CHROMATOGRAPHY, GAS/ DIAZOMETHANE/ DRUG STABILITY/ ELECTRONS/ ESTERS/ FLUORINE/ IN VITRO/ MASS SPECTRUM ANALYSIS/ METHODS/ METHYLATION/ MICROCHEMISTRY/ PROSTAGLANDINS, analysis/ SOLVENTS/ SPECIAL LIST REPRODUCTION/ TEMPERATURE/ TRITIUM

2279. **Levy EP, Cohen A, Fraser FC:** Hormone treatment during pregnancy and congenital heart defects.
Lancet 1:611, 17 Mar 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ *ESTROGENS, adverse effects/ FEMALE/ *HEART DEFECTS, CONGENITAL, chemically induced/ HUMAN/ INFANT, NEWBORN/

PREGNANCY/ *PREGNANCY COMPLICATIONS, drug therapy/ *PROGESTATIONAL HORMONES, adverse effects/ TRANSPOSITION OF GREAT VESSELS, chemically induced

2280. **Levy JV:** Papaverine antagonism of prostaglandin E 2 -induced contraction of rabbit aortic strips. Res Commun Chem Pathol Pharmacol 5:297-310, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *AORTA, THORACIC, drug effects/ CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ KINETICS/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PAPAVERINE, pharmacodynamics/ *PAPAVERINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ RABBITS

2281. **Levy JV:** Effect of synthetic bradykinin on contractile tension of human saphenous vein strips. Br J Pharmacol 46:517-8, Nov 72
ANIMAL EXPERIMENTS/ *BRADYKININ, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HUMAN/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *SAPHENOUS VEIN, drug effects

2282. **Levy JV, Coben JA, Inesi G:** Contractile effects of a calcium ionophore. Nature 242:461-3, 13 Apr 73
ANIMAL EXPERIMENTS/ ANTIBIOTICS, antagonists & inhibitors/ *ANTIBIOTICS, pharmacodynamics/ *CALCIUM, metabolism/ DIAPHRAGM, metabolism/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ *SARCOPLASMIC RETICULUM, metabolism

2283. **Levy L:** A contribution to the mechanism of drug inhibition of the graft vs host reaction. J Reticuloendothel Soc 13:1-6, Jan 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION, drug effects/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, pharmacodynamics/ CYTARABINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTES, immunology/ *GRAFT VS HOST REACTION, drug effects/ HEMOLYTIC PLAQUE TECHNIC/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ LYMPHOID TISSUE, immunology/ METHOTREXATE, administration & dosage/ METHOTREXATE, pharmacodynamics/ MICE/ MICE, INBRED STRAINS, immunology/ ORGAN WEIGHT/ PREDNISOLONE, pharmacodynamics/ SHEEP, immunology/ SPLEEN, anatomy & histology/ SPLEEN, immunology/ SPLEEN, transplantation/ SPLENOMEGALY, immunology/ TRANSPLANTATION, HOMOLOGOUS

2284. **Levy M, Lockhart EA:** Renal function in saline-loaded dogs with minimal sodium excretion. Can J Physiol Pharmacol 51:148-52, Feb 73
ACETYLCHOLINE, pharmacodynamics/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BLOOD PROTEINS, metabolism/ CREATININE, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, drug effects/ KIDNEY, metabolism/ *KIDNEY, physiology/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ NATRIURESIS/ NOREPINEPHRINE, pharmacodynamics/ *SODIUM, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

2285. **Levy M, Tzivoni D, Keynan A:** [Thyrotoxic myopathy] Harefuah 83:422-4, 15 Nov 72 (Heb)
ADULT/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ MUSCULAR ATROPHY, etiology/ *MUSCULAR DISEASES, etiology

2286. **Lewinski U, Barash J, Solomon M, et al:** [Hypercalcemia as the primary manifestation of lymphosarcoma] Harefuah 83:554-7, 15 Dec 72 (Heb)
ADULT/ AUTOPSY/ ENGLISH ABSTRACT/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, pathology/ LYMPHOSARCOMA, blood/ *LYMPHOSARCOMA, complications/ LYMPHOSARCOMA, diagnosis/ LYMPHOSARCOMA, pathology/ MALE/ MICROSCOPY, ELECTRON

2287. **Lewis GP, Catanese A, Wizwer P:** Terminal corticosteroid therapy and tissue-zinc levels. Lancet 1:1056, 12 May 73
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AUTOPSY/ HUMAN/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ TERMINAL CARE/ *ZINC, metabolism

2288. **Leyden JJ, Marples RR:** Superinfection induced by antibiotics in familial benign chronic pemphigus Acta Derm Venereol (Stockh) 53:61-4, 1973
ANTIBIOTICS, adverse effects/ ANTIBIOTICS, therapeutic use/ CANDIDA ALBICANS, drug effects/ CHRONIC DISEASE/ DRUG RESISTANCE, MICROBIAL/ HUMAN/ MALE/ MIDDLE AGE/ *PEMPHIGUS, drug therapy/ PEMPHIGUS, familial & genetic/ PROTEUS INFECTIONS, drug therapy/ RECURRENCE/ STAPHYLOCOCCUS, drug effects/ STEROIDS, therapeutic use

2289. **Leyden JJ, Mills OH Jr:** Cystic acne as a source o bleeding in hemophilia. Arch Dermatol 107:465-6, Mar 73
*ACNE, complications/ ACNE, drug therapy/ ADOLESCENCE/ CAROTENOIDS, therapeutic use/ CYSTS, complications/ FATTY ACIDS, UNSATURATED, therapeutic use/ *HEMOPHILIA, complications/ HEMORRHAGE, etiology/ HUMAN/ MALE/ STEROIDS, therapeutic use/ TETRACYCLINE, therapeutic use

2290. **Leydhecker W:** Glaukom (Grüner Star). 2. Glaucom simplex, Glaukom des Kleinkindes, sekundäres Glaukom. Fortschr Med 90:1047-50, 19 Oct 72 (Ger
ADULT/ CHILD, PRESCHOOL/ CORTISONE, adverse effects/ DIAGNOSIS, DIFFERENTIAL *GLAUCOMA/ GLAUCOMA, chemically induced/ GLAUCOMA, diagnosis/ GLAUCOMA, drug therapy/ GLAUCOMA, surgery/ HUMAN/ INFANT/ INTRAOCULAR PRESSURE/ MASS SCREENING/ PILOCARPINE, therapeutic use/ TONOMETRY

2291. **Li CH:** Background of the development of the work l isolating interstitial cell-stimulating hormone (luteinizing hormone) and follicle-stimulating hormone. Am J Obstet Gynecol 115:1150-2, 15 Apr 7
AMINO ACID SEQUENCE/ CHEMISTRY/ FSH history/ *FSH, isolation & purification/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ LH, history/ *LH, isolation & purification/ SHEEP/ UNITED STATES

2292. **Li SL, Yanofsky C:** Amino acid sequence studies wi the tryptophan synthetase chain of Salmonell typhimurium. J Biol Chem 248:1830-6, 10 Mar
*AMINO ACID SEQUENCE/

CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ ESCHERICHIA COLI, enzymology/ GEL FILTRATION/ *HYDRO-LYASES, analysis/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *SALMONELLA TYPHIMURIUM, enzymology/ SPECIES SPECIFICITY/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN/ TRYPTOPHAN SYNTHETASE, analysis

2293. **Li TK:** Stimulation of endogenous respiration of ejaculated ram sperm by dibutyryl cyclic AMP. Life Sci [II] 11:939-48, 8 Oct 72
ACETIC ACIDS, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION, drug effects/ SHEEP/ *SPERMATOZOA, metabolism/ STIMULATION, CHEMICAL

2294. **Liakakos D, Vlachos P, Anoussakis C:** Effect of acetylsalicyclic acid (aspirin) on bone collagen in children. Clin Chim Acta 44:427-9, 30 Mar 73
ASPIRIN, adverse effects/ *ASPIRIN, pharmacodynamics/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CHILD/ CHILD, PRESCHOOL/ *COLLAGEN, biosynthesis/ GROWTH DISORDERS, chemically induced/ HUMAN/ *HYDROXYPROLINE, urine/ OSTEOPOROSIS, chemically induced

2295. **Liao S, Liang T, Tymoczko JL:** Ribonucleoprotein binding of steroid-"receptor" complexes. Nature [New Biol] 241:211-3, 14 Feb 73
ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL FRACTIONATION/ CELL NUCLEUS, analysis/ CYTOPLASM, metabolism/ ESTRADIOL, metabolism/ FEMALE/ MALE/ NUCLEOPROTEINS, isolation & purification/ *NUCLEOPROTEINS, metabolism/ PROGESTERONE, metabolism/ PROSTATE, analysis/ PROSTATE, cytology/ *PROSTATE, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TESTOSTERONE, metabolism/ TRITIUM/ UTERUS, analysis/ UTERUS, cytology/ *UTERUS, metabolism

2296. **Liberman B, Borges R, Wajchenberg BL:** Evidence for a role of antidiuretic hormone (ADH) in the antidiuretic action of chlorpropamide. J Clin Endocrinol Metab 36:894-900, May 73
ADOLESCENCE/ ADULT/ ALCOHOL, ETHYL, pharmacodynamics/ CHILD/ CHLORPROPAMIDE, antagonists & inhibitors/ *CHLORPROPAMIDE, pharmacodynamics/ *DIABETES INSIPIDUS/ DIPHENYLHYDANTOIN, pharmacodynamics/ *DIURESIS, drug effects/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ *VASOPRESSIN, physiology/ WATER DEPRIVATION

2297. **Libertun C, Lau C:** Adrenocortical function in prepuberal rats: neonatal effects of testosterone. J Endocrinol 55:221-2, Oct 72
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CASTRATION/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ FEMALE/ FLUOROMETRY/ MALE/ *PUBERTY/ RATS/ *TESTOSTERONE, pharmacodynamics

2298. **Lichtenstein H, Poupon R, Bodin F, et al:** Cirrhose biliaire primitive avec sclérodermie, syndrome de Raynaud, télangiectasies et atteinte thyroïdienne. Sem Hop Paris 49:555-9, 14 Feb 73 (Fre)
AUTOIMMUNE DISEASES, diagnosis/ BIOPSY, NEEDLE/ CALCINOSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ *LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ LIVER CIRRHOSIS, OBSTRUCTIVE, diagnosis/ LIVER CIRRHOSIS, OBSTRUCTIVE, pathology/ MIDDLE AGE/ PORTAL SYSTEM, pathology/ PRURITUS, etiology/ *RAYNAUD'S DISEASE, complications/ *SCLERODERMA, SYSTEMIC, complications/ *TELANGIECTASIS, complications/ TELANGIECTASIS, pathology

2299. **Lie TS, Totović V, Lagacé R, et al:** Einfache Methoden zur Konservierung der Schweineleber. I. Dreistündlich intermittierende Perfusion in Hypothermie.
Res Exp Med (Berl) 160:122-35, 1973 (Ger)
ANIMAL EXPERIMENTS/ CHLORPROMAZINE/ ENGLISH ABSTRACT/ GLUCOSE/ GRAFT REJECTION/ GRAVITATION/ HYPOTHERMIA, INDUCED/ *LIVER, transplantation/ MAGNESIUM/ PERFUSION/ POTASSIUM/ PREDNISOLONE/ SWINE/ TIME FACTORS/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS/ XYLITOL

2300. **Lieberman A, DeLellis RA:** Intrafollicular amyloid in normal parathyroid glands.
Arch Pathol 95:422-3, Jun 73
*AMYLOID, analysis/ AMYLOID, isolation & purification/ AUTOPSY/ CONGO RED/ HUMAN/ *PARATHYROID GLANDS, analysis/ PARATHYROID GLANDS, pathology

2301. **Liebhardt E, Spann W:** Cytophotometrische Untersuchungen zum Leichenalter.
Beitr Gerichtl Med 30:277-80, 1973 (Ger)
*AUTOLYSIS, pathology/ AUTOPSY/ DEATH CERTIFICATES/ DNA, analysis/ ENGLISH ABSTRACT/ HUMAN/ LIVER, pathology/ PHOTOMETRY/ *POSTMORTEM CHANGES/ TESTIS, pathology/ TIME FACTORS

2302. **Lier JE van, Kan G, Langlois R, et al:** On the role of sterol hydroperoxides in steroid metabolism. Biochem Soc Symp 34:21-43, 1972 (115 ref.)
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHOLESTENES/ *CHOLESTEROL, metabolism/ CONTRACEPTIVES, ORAL/ CYTOCHROME P-450/ FEMALE/ GONADS, metabolism/ HUMAN/ LIVER, metabolism/ MALE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ NADP/ OXIDATION-REDUCTION/ *PEROXIDES, metabolism/ REVIEW/ *STEROLS, metabolism/ SWINE

2303. **Lier JE van, Kan G, Langlois R:** The epimeric 20-hydroperoxy-5-pregnen-3 -ols: thermal and enzymatic decomposition. Steroids 21:521-36, Apr 73
ADRENAL GLANDS, enzymology/ ANDROSTENES, metabolism/ BIOTRANSFORMATION/ CHEMISTRY/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HEAT/ HYDROXYLASES/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ OXIDATION-REDUCTION/ PEROXIDES, metabolism/ PREGNANEDIOL, metabolism/ PREGNANES, metabolism

2304. **Liggins GC, Vaughan GS:** Intravenous infusion of salbutamol in the management of premature labour. J Obstet Gynaecol Br Commonw 80:29-32, Jan 73
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENERGIC BETA RECEPTOR AGONISTS, administration & dosage/ ALCOHOL, ETHYL, therapeutic use/ BUTYLAMINES, administration & dosage/ CERVIX UTERI, physiology/ *ETHANOLAMINES, administration & dosage/ ETHANOLAMINES, adverse effects/ ETHANOLAMINES, therapeutic use/ FEMALE/ FETAL MEMBRANES/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR, PREMATURE, drug therapy/ MUSCLE CONTRACTION, drug effects/ *PHENETHYLAMINES, administration & dosage/ PHENETHYLAMINES, adverse effects/ PHENETHYLAMINES, therapeutic use/ PREGNANCY/ PRESSURE/ PULSE, drug effects/ RESPIRATORY

DISTRESS SYNDROME, prevention & control/ TACHYCARDIA, chemically induced/ UTERUS, drug effects

2305. **Lim R, Mitsunobu K:** Effect of dibutyryl cyclic AMP on nucleic acid and protein synthesis in neuronal and glial tumor cells. Life Sci [II] 11:1063-70, 8 Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ASTROCYTOMA, metabolism/ BUTYRATES, pharmacodynamics/ CELL COUNT/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL LINE/ CLONE CELLS, metabolism/ *DNA, NEOPLASM, biosyntbesis/ MICE/ NEOPLASMS, EXPERIMENTAL, metabolism/ NERVE TISSUE PROTEINS, biosyntbesis/ *NEUROBLASTOMA, metabolism/ NEUROGLIA, metabolism/ NEURONS, metabolism/ RATS/ *RNA, NEOPLASM, biosynthesis/ THYMIDINE, metabolism/ TRITIUM/ URIDINE, metabolism

2306. **Lim VS, Spargo B:** Immunosuppressive treatment of autologous immune complex nephritis in rats.
J Lab Clin Med 81:661-70, May 73
ANIMAL EXPERIMENTS/ BIOPSY/ CREATININE, blood/ CREATININE, urine/ *CYCLOPHOSPHAMIDE, tberapeutic use/ FEMALE/ FREUND'S ADJUVANT/ GLOMERULAR FILTRATION RATE/ IMMUNE COMPLEX DISEASE, drug therapy/ *IMMUNOLOGIC DISEASES, drug therapy/ KIDNEY/ KIDNEY, pathology/ *MERCAPTOPURINE, tberapeutic use/ *METHYLPREDNISOLONE, therapeutic use/ NEPHRITIS, cbemically induced/ *NEPHRITIS, drug therapy/ NEPHRITIS, mortality/ NEPHRITIS, pathology/ PROTEINURIA/ RATS/ TISSUE EXTRACTS

2307. **Limas CJ, Cohn JN:** Regulation of myocardial prostaglandin debydrogenase activity. Tbe role of cyclic 3',5'-AMP and calcium ions.
Proc Soc Exp Biol Med 142:230-4, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM CHLORIDE, pbarmacodynamics/ DOGS/ *MYOCARDIUM, enzymology/ *OXIDOREDUCTASES, metabolism/ PROSTAGLANDINS

2308. **Lin BJ, Haist RE:** Effects of some modifiers of insulin secretion on insulin biosyntbesis.
Endocrinology 92:735-42, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, pbarmacodynamics/ CITRATES, pharmacodynamics/ DIAZOXIDE, pharmacodynamics/ DRUG SYNERGISM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPINEPHRINE, pbarmacodynamics/ GLUCOSE, pbarmacodynamics/ IN VITRO/ *INSULIN, biosynthesis/ *ISLANDS OF LANGERHANS, metabolism/ MAGNESIUM, pbarmacodynamics/ MALE/ *PROINSULIN, biosynthesis/ PROINSULIN, metabolism/ RATS/ TRITIUM

2309. **Lin SR, Lee KF:** Widening of tbe median atlanto-axial joint in acromegaly. J Can Assoc Radiol 24:36-8, Mar 73
*ACROMEGALY, complications/ ACROMEGALY, radiograpby/ ADULT/ ATLAS/ *AXIS/ HUMAN/ *JOINT DISEASES, etiology/ JOINT DISEASES, radiography/ MALE

2310. **Lin T, Kopp LE, Tucci JR:** Urinary excretion of cyclic-3',5'-adenosine monophospbate in byperthyroidism.
J Clin Endocrinol Metab 36:1033-6, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADOLESCENCE/ ADULT/ CREATININE, urine/ FEMALE/ *GOITER, EXOPHTHALMIC, urine/ HUMAN/ *HYPERTHYROIDISM, urine/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ TRITIUM

2311. **Lindahl R, Mayeda K:** Lactate dehydrogenase isozymes of the mongolian gerbil, Meriones unguiculatus. I Evidence for X subunits.
Comp Biochem Physiol [B] 43:425-33, 15 Oct 72
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ ELECTROPHORESIS, STARCH GEL/ EPIDIDYMIS, enzymology/ *GERBILS, enzymology/ KIDNEY, enzymology/ *LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ LUNG, enzymology/ MACROMOLECULAR SYSTEMS/ MALE/ MYOCARDIUM, enzymology/ STAINS AND STAINING/ TESTIS, enzymology

2312. **Lindenmeyer D, Hornung D, Körner F:** Hormona changes in urine and plasma in patients with variou testicular tumours before and after treatment. Seminoma. Urol Int 28:127-34, 1973
ADULT/ *DISGERMINOMA, metabolism/ DISGERMINOMA, radiotherapy/ ESTROGENS, blood/ *ESTROGENS, metabolism/ ESTROGENS, urine/ GONADOTROPINS, blood *GONADOTROPINS, metabolism/ GONADOTROPINS, urine/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, metabolism/ TESTICULAR NEOPLASMS, radiotherapy/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TESTOSTERONE, urine

2313. **Lindenmeyer D, Hornung D, Körner F:** Hormon changes in urine and plasma in patients with vario testicular tumours before and after treatment. Malignant teratoma of intermediate type B a malignant trophoblastic teratoma.
Urol Int 28:135-44, 1973
ADULT/ ESTROGENS, blood/ ESTROGENS, urine/ GONADOTROPINS, blood/ *GONADOTROPINS, metabolism/ GONADOTROPINS, urine/ HUMAN/ MALE/ *TERATOID TUMOR, metabolism/ TERATOI TUMOR, radiotherapy/ *TESTICULAR NEOPLASMS, metabolism/ TESTICULAR NEOPLASMS, radiotherapy/ TESTOSTERONI blood/ *TESTOSTERONE, metabolism/ TESTOSTERONE, urine

2314. **Lindgärde F, Zettervall O:** Hypercalcemia and nor ionized serum calcium in a case of myelomato
Ann Intern Med 78:396-9, Mar 73
BENCE JONES PROTEIN, urine/ BLOOD PROTEIN ELECTROPHORESIS/ *CALCIUM, blood/ CASE REPORT/ CHROMATOGRAPH ION EXCHANGE/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ IGG, analysis MIDDLE AGE/ *MULTIPLE MYELOMA, complications/ MYELOMA PROTEINS, isola & purification/ POTENTIOMETRY/ PROTE BINDING

2315. **Lindheimer MD, Katz AI:** Sodium and diuretic pregnancy. N Engl J Med 288:891-4, 26 Apr 73 (34
ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ BODY WATER/ BODY WEIGHT/ DIURETICS, adverse effects/ *DIURETICS, tberapeutic use/ EDEMA, dr therapy/ FEMALE/ HOMEOSTASIS/ HUMA KIDNEY, pbysiology/ NATRIURESIS/ NUTRITIONAL REQUIREMENTS/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNA TOXEMIAS, drug therapy/ PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TOXEMIAS, therapy/ PROGESTERONE, physiology/ REVIEW/ *SODIUM, metabolis

2316. **Lindholm TS, Lindholm RV, Hackman R:** The mi phase of experimental heterotopic osteogene the ischemic rat kidney as shown by the ca distribution. Acta Chir Scand 139:229-35, 1
ANIMAL EXPERIMENTS/ *CALCIFICATI PHYSIOLOGIC/ *CALCIUM, metabolism/ FEMALE/ FLUORESCENCE/ ISCHEMIA/ KIDNEY, anatomy & histology/ *KIDNEY blood supply/ KIDNEY, surgery/ MALE/ MICRORADIOGRAPHY/ ORGAN WEIGHT *OSTEOGENESIS/ RATS/ TETRACYCLIN diagnostic use

2317. **Lindholmer C, Glauman H:** Zinc and magnesi buman male reproductive tract.
Andrologie 4:231-7, 1972

ADULT/ AGE FACTORS/ AGING/ EPIDIDYMIS, metabolism/ GENITAL DISEASES, MALE, metabolism/ *GENITALIA, MALE, metabolism/ HUMAN/ *MAGNESIUM, metabolism/ MALE/ MIDDLE AGE/ PROSTATE, metabolism/ SEMINAL VESICLES, metabolism/ TESTIS, metabolism/ VAS DEFERENS, metabolism/ *ZINC, metabolism

2318. **Lindström LH:** Further studies on cholinergic mechanisms and hormone-activated copulatory behaviour in the female rat.
J Endocrinol 56:275-83, Feb 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CASTRATION/ *COITUS/ DEXAMETHASONE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ OXOTREMORINE, antagonists & inhibitors/ *OXOTREMORINE, pharmacodynamics/ PILOCARPINE, antagonists & inhibitors/ *PILOCARPINE, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM/ PROGESTERONE, pharmacodynamics/ RATS/ SCOPOLAMINE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL, drug effects/ STIMULATION, CHEMICAL

2319. **Ling GM, Thomas JA, Usher DR, et al:** Effects of chronically administered 1 -tetrahydro-cannabinol on adrenal and gonadal activity of male rats.
Int J Clin Pharmacol 7:1-5, Feb 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CANNABIS, pharmacodynamics/ *GENITALIA, MALE, drug effects/ INJECTIONS, INTRAPERITONEAL/ KIDNEY, drug effects/ KIDNEY, metabolism/ LIVER, drug effects/ LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PROSTATE, drug effects/ PROSTATE, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ TESTIS, drug effects/ TESTIS, metabolism/ TESTOSTERONE, metabolism/ TETRAHYDROCANNABINOL, metabolism/ TETRAHYDROCANNABINOL, pharmacodynamics/ THYMUS GLAND, drug effects/ TRITIUM

2320. **Link M:** Untersuchungen zur Korrelation zwischen Hormonanalysen und Endometriumuntersuchungen bei Ovarialinsuffizienz.
Zentralbl Gynaekol 95:337-42, 9 Mar 73 (Ger)
ADULT/ ENDOMETRIUM, pathology/ ESTROGENS, urine/ FEMALE/ HUMAN/ *OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ OVARIAN DISEASES, urine/ PREGNANEDIOL, urine

2321. **Linquette M:** Exposé critique des aspects cliniques de l'hyperthyroidie. Can Med 13:1223-6, 30 Dec 72 (Fre)
ASTHENIA, etiology/ AUTONOMIC DYSFUNCTION, etiology/ BODY TEMPERATURE REGULATION/ DIAGNOSIS, DIFFERENTIAL/ DIARRHEA, etiology/ EMACIATION, etiology/ GASTROINTESTINAL MOTILITY/ GOITER, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ TACHYCARDIA, etiology

2322. **Linquette M, Fossati P, Lefebvre J, et al:** Expérience personnelle du chlorpropamide dans le traitement des syndromes polyuro-polydipsiques.
Lille Med 17:1216-25, Oct 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CHLORPROPAMIDE, adverse effects/ *CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POLYURIA, drug therapy

2323. **Linzell JL:** Innate seasonal oscillations in the rate of milk secretion in goats.
J Physiol (Lond) 230:225-33, Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BREEDING/ CHLORIDES, analysis/ DIET/ FEMALE/ *GOATS, physiology/ LACTOSE, analysis/ LIPIDS, analysis/ MILK, analysis/ *MILK, secretion/ MILK PROTEINS, analysis/ ORGAN WEIGHT/ OVARY, physiology/ POTASSIUM, analysis/ PREGNANCY/ *SEASONS/ SECRETORY RATE/ SODIUM, analysis/ UDDER, anatomy & histology

2324. **Linzell JL, Peaker M:** Changes in mammary gland permeability at the onset of lactation in the goat: an effect on tight junctions?
J Physiol (Lond) 230:13P-14P, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ COLOSTRUM, metabolism/ EXTRACELLULAR SPACE/ FEMALE/ *GOATS, physiology/ *INTERCELLULAR JUNCTIONS, physiology/ *LACTATION/ *MAMMAE, physiology/ PREGNANCY/ SODIUM, metabolism/ SODIUM ISOTOPES/ SUCROSE, metabolism

2325. **Lipinski JF, Schaumberg HH, Baldessarini RJ:** Regional distribution of histamine in human brain.
Brain Res 52:403-8, 30 Mar 73
S-ADENOSYLMETHIONINE/ ADOLESCENCE/ ADULT/ AGED/ AMYGDALOID BODY, analysis/ *BRAIN CHEMISTRY/ CARBON ISOTOPES/ CEREBELLUM, analysis/ CEREBRAL CORTEX, analysis/ GANGLIA, BASAL, analysis/ HIPPOCAMPUS, analysis/ HISTAMINE/ *HISTAMINE, analysis/ HUMAN/ HYPOTHALAMUS, analysis/ MALE/ MEDULLA OBLONGATA, analysis/ METHYLTRANSFERASES/ MIDDLE AGE/ OLFACTORY BULB, analysis/ PONS, analysis/ THALAMUS, analysis/ TIME FACTORS/ TRITIUM

2326. **Lipova VA:** Tsitomorfologicheskaia kharakteristika i osobennosti rosta in vitro opukholevykh kletok izékssudatov pri rake laichnikov.
Vopr Onkol 18:35-43, 1972 (Rus)
*ASCITIC FLUID, cytology/ CELLS, CULTURED/ *CYTODIAGNOSIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ *PLEURAL EFFUSION, cytology

2327. **Lippa AS, Antelman SM, Fahringer EE, et al:** Relationship between catecholamines and ACTH: effects of 6-hydroxy-dopamine.
Nature [New Biol] 241:24-5, 3 Jan 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, analysis/ *CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DOPAMINE, analysis/ *HYDROXYDOPAMINE, pharmacodynamics/ KETAMINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, analysis/ RATS

2328. **Lippman M, Halterman R, Perry S, et al:** Glucocorticoid binding proteins in human leukaemic lymphoblasts.
Nature [New Biol] 242:157-8, 4 Apr 73
*DEXAMETHASONE, metabolism/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, metabolism/ *LYMPHOCYTES, metabolism/ *NEOPLASM PROTEINS, metabolism/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ THYMIDINE, metabolism/ TRITIUM

2329. **Lippman ME, Thompson EB:** Drug combinations in malignant disease. Lancet 813:1198, 23 May 73
ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *NEOPLASMS, drug therapy

2330. **Lippmann R, Düring B:** Untersuchungen zum Gehalt an Kalzium, anorganischem Phosphat und Magnesium im Blut-serum von Mutterschafen.
Monatsh Vet Med 28:106-9, 1 Feb 73 (Ger)
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/

LACTATION/ *MAGNESIUM, blood/ *PHOSPHATES, blood/ PREGNANCY/ SEASONS/ *SHEEP

2331. Lipton JM: Thermosensitivity of medulla oblongata in control of body temperature.
Am J Physiol 224:890-7, Apr 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BODY TEMPERATURE REGULATION/ ELECTRODES, IMPLANTED/ ENVIRONMENT, CONTROLLED/ *HEAT/ HYPOTHALAMUS, physiology/ MALE/ *MEDULLA OBLONGATA, physiology/ RATS/ SHIVERING/ TIME FACTORS

2332. Lisa L, Hanak J, Cerny M, et al: Agenesis of the penis.
J Pediatr Surg 8:327-8, Apr 73
CHILD/ HUMAN/ MALE/ *PENIS, abnormalities/ SEX CHROMOSOMES

2333. Lisander B, Martner J: Interaction between the fastigial pressor response and the defence reaction.
Acta Physiol Scand 87:359-67, Mar 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ BLOOD PRESSURE/ CATS/ *CEREBELLAR NUCLEI, physiology/ ELECTRIC STIMULATION/ *EPINEPHRINE, secretion/ FEMALE/ HEART RATE/ *HYPOTHALAMUS, physiology/ INTESTINES, blood supply/ MALE/ RECEPTORS, ADRENERGIC/ REGIONAL BLOOD FLOW/ SKIN, blood supply

2334. Lisboa BP, Plasse JC: On the 2-hydroxylation of testosterone by human fetal liver microsomes.
Steroids Lipids Res 3:142-50, 1972
ANDROSTANES, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FETUS, metabolism/ HUMAN/ HYDROXYLATION/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, metabolism/ MALE/ MASS SCREENING/ MASS SPECTRUM ANALYSIS/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ PREGNANCY/ STEROID HYDROXYLASES, metabolism/ *TESTOSTERONE, metabolism

2335. Lister D: Thyroid status in malignant hyperpyrexia.
Br J Anaesth 45:115, Jan 73
ANIMAL EXPERIMENTS/ HALOTHANE, pharmacodynamics/ *MALIGNANT HYPERTHERMIA, blood/ SUCCINYLCHOLINE, pharmacodynamics/ SWINE/ *THYROID HORMONES, blood

2336. Lisukova TE, Cherniaeva TS: Funktsional'noe sostolanie svertyvaiushchei sistemy krovi u bol'nykh meningokoktsemiei s shokom.
Klin Med (Mosk) 51:120-5, Apr 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ *BLOOD COAGULATION/ ENGLISH ABSTRACT/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ MALE/ *MENINGITIS, MENINGOCOCCIC, blood/ MENINGITIS, MENINGOCOCCIC, complications/ MENINGITIS, MENINGOCOCCIC, drug therapy/ *MENINGOCOCCAL INFECTIONS, blood/ MENINGOCOCCAL INFECTIONS, complications/ MENINGOCOCCAL INFECTIONS, drug therapy/ MIDDLE AGE/ *SHOCK, complications/ SHWARTZMAN PHENOMENON, complications/ WATERHOUSE-FRIDERICHSEN SYNDROME, blood

2337. Little DA: Bone biopsy in cattle and sheep for studies of phosphorus status. Aust Vet J 48:668-70, Dec 72
ANIMAL EXPERIMENTS/ BIOPSY/ *BONE AND BONES, analysis/ CALCIUM, analysis/ CATTLE/ *CATTLE DISEASES, diagnosis/ COLORIMETRY/ DEFICIENCY DISEASES, diagnosis/ DEFICIENCY DISEASES, veterinary/ METHODS/ *PHOSPHORUS, analysis/ RIBS, analysis/ SHEEP/ *SHEEP DISEASES, diagnosis/ SPECIFIC GRAVITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

2338. Little JB, Hahn GM: Life-cycle dependence of repair of potentially-lethal radiation damage.
Int J Radiat Biol 23:401-7, Apr 73
CELL LINE/ CELLS, CULTURED, drug effects/ *CELLS, CULTURED, radiation effects/ CYTARABINE, pharmacodynamics/ FEMALE/ HAMSTERS/ HUMAN/ LIVER/ *MITOSIS/ MITOSIS, drug effects/ MITOSIS, radiation effects/ OVARY/ *RADIATION EFFECTS/ TRITIUM

2339. Liul'ka AN: Arterial'noe davlenie u bol'nykh tireotoksikozom do i posle subtotal'nof rezektsii shchitovidnof zhelezy. Klin Khir 9:40-5, Sep 72 (Rus)
ADULT/ *BLOOD PRESSURE/ BLOOD PRESSURE DETERMINATION/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE

2340. Livett BG, Parry HB: The distribution of vasopressin and neurophysin in the hypothalamo-distal-neurohypophysial and hypothalamo-infundibular neurosecretory systems of normal and scrapie-affected sheep.
J Physiol (Lond) 230:20P-22P, Apr 73
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES, analysis/ FLUORESCENT ANTIBODY TECHNIC/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ *NEUROPHYSINS, analysis/ *SCRAPIE, metabolism/ SHEEP/ *VASOPRESSIN, analysis

2341. Livingston A: Ultrastructure of the rat neural lobe during recovery from hypertonic saline treatment.
Z Zellforsch Mikrosk Anat 137:361-74, 23 Feb 73
ANIMAL EXPERIMENTS/ AXONS, drug effects/ CELLULAR INCLUSIONS, drug effects/ CYTOPLASMIC GRANULES, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ GOLGI APPARATUS, drug effects/ HYPERTONIC SOLUTIONS/ LIPIDS/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ NERVE ENDINGS, cytology/ NERVE ENDINGS, drug effects/ NEUROSECRETION/ OXYTOCIN, analysis/ PITUITARY GLAND, POSTERIOR, analysis/ *PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, drug effects/ RATS/ *SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

2342. Lloyd JA: Frequency of activity and endocrine response among male house mice (Mus musculus) in freely growing populations.
Proc Soc Exp Biol Med 142:784-6, Mar 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *GENITALIA, MALE, anatomy & histology/ MALE/ MICE/ *MOTOR ACTIVITY/ ORGAN WEIGHT/ PENIS, anatomy & histology/ *POPULATION GROWTH/ SEMINAL VESICLES, anatomy & histology/ TESTIS, anatomy & histology

2343. Lloyd JK: Hyperlipoproteinaemia in childhood.
Aust Paediatr J 8:264-72, Oct 72 (40 ref.)
ADOLESCENCE/ CHILD/ CHYLOMICRONS, blood/ CORONARY DISEASE, etiology/ DIABETES MELLITUS, JUVENILE, complications/ GLYCOGENOSIS, complications/ HUMAN/ HYPERCHOLESTEREMIA, complications/ HYPERCHOLESTEREMIA, diagnosis/ HYPERCHOLESTEREMIA, familial & genetic/ HYPERCHOLESTEREMIA, therapy/ *HYPERLIPEMIA/ HYPERLIPEMIA, classification/ HYPERLIPEMIA, etiology/ HYPERLIPEMIA, familial & genetic/ HYPOTHYROIDISM, complications/ INFANT/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ NEPHROTIC SYNDROME, complications/ PEDIGREE/ REVIEW

2344. **Lobanova LA, Ermolenko RI:** Ekskretsiia éstrogenov s mocbol'u zdorovykh devochek pubertatnogo vozrasta.
Vopr Okhr Materin Det 17:36-8, Nov 72 **(Rus)**
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *PUBERTY

2345. **Lobsiger M, Gabei H:** Therapeutische Erfabrungen mit einer Kombination von Oxyphenbutazon und Prednisoion bei Erkrankungen des Bewegungsapparates.
Praxis 62:482-5, 10 Apr 73 **(Ger)**
CHRONIC DISEASE/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OXYPHENBUTAZONE, therapeutic use/ PHYSICAL THERAPY/ *PREDNISOLONE, therapeutic use/ *RHEUMATISM, drug therapy/ RHEUMATISM, tberapy

2346. **Lock JP, Castro GA, Pechet LN, et al:** Hemodialysis in myelomatosis. Ann Intern Med 78:454, Mar 73
AGED/ CASE REPORT/ HUMAN/ HYPERCALCEMIA, etiology/ KIDNEY FAILURE, ACUTE, etiology/ *KIDNEY FAILURE, ACUTE, therapy/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY FAILURE, CHRONIC, therapy/ MALE/ *MULTIPLE MYELOMA, complications/ *PERITONEAL DIALYSIS/ URIC ACID, blood

2347. **Löding HW, Lawin P:** Anaphylaktischer Schock in Narkose durch Oxypolygelatine.
Z Prakt Anaestb 7:283-7, Oct 72 **(Ger)**
ADULT/ *ANAPHYLAXIS, chemically induced/ ANESTHESIA, adverse effects/ *ANESTHETICS, adverse effects/ ANTIHISTAMINICS, therapeutic use/ BRONCHIAL SPASM, cbemically induced/ CORTISONE, tberapeutic use/ ENGLISH ABSTRACT/ *GELATIN, adverse effects/ HEART ARREST, chemically induced/ HEART ARREST, drug therapy/ HEART ARREST, therapy/ HEART MASSAGE/ HUMAN/ MALE/ *PLASMA SUBSTITUTES, adverse effects/ SKIN TESTS/ SYMPATHOMIMETICS, tberapeutic use

2348. **Loeb JN:** A double-isotope metbod for comparing polyribosome populations: effects of glucocorticoid bormone administration.
Endocrinology 92:857-61, Mar 73
ANIMAL EXPERIMENTS/ BILE ACIDS AND SALTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ *HYDROCORTISONE, pharmacodynamics/ LIVER, cytology/ MALE/ METHODS/ OROTIC ACID/ *POLYRIBOSOMES/ POLYRIBOSOMES, drug effects/ RATS/ TRITIUM

2349. **Loeb JN, Sternschein MJ:** Suppression of tbymidine incorporation into the gastric mucosa of cortisone-treated rats: possible relation to glucocorticoid-induced gastric ulceration.
Endocrinology 92:1322-7, May 73
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ DNA, metabolism/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, metabolism/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ JEJUNUM/ LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS/ STOMACH ULCER, etiology/ *THYMIDINE, metabolism/ TRITIUM

2350. **Loew H, Kock F, Ritzerfeld W:** Studien zur experimentellen Antikörperbildung unter dem Einfluss von Cyclopbosphamid und Cortison.
Arzneim Forsch 22:1956-8, Nov 72 **(Ger)**
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION, drug effects/ ANTIGENS, BACTERIAL/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, pbarmacodynamics/ ENGLISH ABSTRACT/ ESCHERICHIA COLI/ HEMAGGLUTINATION TESTS/ IMMUNOSUPPRESSIVE AGENTS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ RABBITS, immunology

2351. **Loewenstein JE, Wollman SH:** Kinetics of isotopic equilibration of iodine in individual rat thyroid follicles. Endocrinology 92:894-911, Mar 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DENSITOMETRY/ DIET/ EQUILIBRIUM/ *IODINE, metabolism/ IODINE ISOTOPES/ *IODOPROTEINS, metabolism/ KINETICS/ MALE/ RATS/ *THYROID GLAND, metabolism/ TIME FACTORS

2352. **Loewit K, Wense T, Wunderer H:** Hormonelle Störungen und Arthropathien der Kiefergelenke.
Osterr Z Stomatol 70:122-5, Apr 73 **(Ger)**
ADOLESCENCE/ ADULT/ *ARTHRITIS, metabolism/ *ENDOCRINE DISEASES, complications/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS, metabolism/ *HORMONES, metabolism/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ 17-KETOSTEROIDS, metabolism/ *TEMPOROMANDIBULAR JOINT SYNDROME, metabolism

2353. **Loken AC:** Hypofsens histologi og histopatologi.
Tidsskr Nor Laegeforen 92:2142-6, 20 Nov 72 **(Nor)**
ADENOMA, CHROMOPHOBE, pathology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MICE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, patbology/ RATS

2354. **Lokich JJ, Skarin AT:** Five-drug combination cbemotberapy for disseminated adenocarcinoma.
Cancer Chemotber Rep 56:761-7, Dec 72
*ADENOCARCINOMA, drug therapy/ ADRENAL GLAND NEOPLASMS, drug therapy/ BREAST NEOPLASMS, drug tberapy/ COLONIC NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, adverse effects/ FEMALE/ FLUOROURACIL, administration & dosage/ FLUOROURACIL, therapeutic use/ HUMAN/ KIDNEY NEOPLASMS, drug therapy/ LIVER NEOPLASMS, drug tberapy/ LUNG NEOPLASMS, drug therapy/ MALE/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, drug therapy/ PAROTID NEOPLASMS, drug tberapy/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, tberapeutic use

2355. **Long GL, Kaplan NO:** Diphosphopyridine nucleotide-linked D-lactate dehydrogenases from the horseshoe crab, Limulus polyphemus, and the seaworm, Nereis virens. II. Catalytic properties.
Arch Biochem Biopbys 154:711-25, Feb 73
ACETAMIDES, pharmacodynamics/ ALKYLATION/ ANIMAL EXPERIMENTS/ CATALYSIS/ CHEMISTRY/ CHICKENS/ *CRABS, enzymology/ ELECTROPHORESIS, STARCH GEL/ FLUORESCENCE SPECTROMETRY/ *HELMINTHS, enzymology/ IN VITRO/ IODINE, pharmacodynamics/ IODOACETATES, pharmacodynamics/ KINETICS/ *LACTATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, antagonists & inhibitors/ LACTATES/ MERCURIBENZOATES, pharmacodynamics/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ *NAD/ NAD, biosynthesis/ OXIDATION-REDUCTION/ PYRUVATES, biosynthesis/ STEREOISOMERS/ TRITIUM

2356. **Longcope C:** The effect of human cborionic gonadotropin on plasma steroid levels in young and old men. Steroids 21:583-92, Apr 73
ADULT/ AGED/ *ANDROSTENES, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ *GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC,

pharmacodynamics/ HUMAN/ IN VITRO/ MALE/ *TESTOSTERONE, blood

2357. **Longstreth PL, Malinak LR, Hill CS Jr:** Transient osteoporosis of the hip in pregnancy.
Obstet Gynecol 41:563-9, Apr 73
ADULT/ BONE AND BONES, radiography/ BONE DISEASES, radiography/ CALCIUM, blood/ CALCIUM, urine/ FEMALE/ *FEMUR HEAD/ *FEMUR NECK/ HUMAN/ HYDROXYPROLINE, urine/ INFANT/ *OSTEOPOROSIS, complications/ OSTEOPOROSIS, radiography/ OSTEOPOROSIS, therapy/ OSTEOPOROSIS, urine/ PHOSPHORUS, blood/ PREGNANCY/ *PREGNANCY COMPLICATIONS

2358. **Loose LD, DiLuzio NR:** Effect of prostaglandin E 1 on cellular and humoral immune responses.
J Reticuloendothel Soc 13:70-7, Jan 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION, drug effects/ ERYTHROCYTES, immunology/ GRAFT VS HOST REACTION, drug effects/ HALF-LIFE/ HEMAGGLUTINATION TESTS/ *IMMUNITY, CELLULAR, drug effects/ IODINE ISOTOPES/ LIVER, analysis/ LUNG, analysis/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ PHAGOCYTOSIS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RETICULOENDOTHELIAL SYSTEM, drug effects/ RETICULOENDOTHELIAL SYSTEM, immunology/ SHEEP, immunology/ SPLEEN, cytology/ SPLEEN, immunology/ SPLEEN, metabolism/ SPLEEN, transplantation/ STATISTICS/ TRANSPLANTATION, HOMOLOGOUS

2359. **Lopez R:** Corticosteroids and immunity to varicella.
J Pediatr 82:740-1, Apr 73
*CHICKENPOX, immunology/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ LARYNGITIS, drug therapy/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PURPURA, THROMBOPENIC, drug therapy/ RHEUMATIC FEVER, drug therapy

2360. **Lorber J:** Neonatal E. coli meningitis, hydrocephalus, respiratory distress syndrome, full recovery after temporary blindness. Proc R Soc Med 66:221-2, Mar 73
*BLINDNESS, complications/ CASE REPORT/ CHILD, PRESCHOOL/ CHLORAMPHENICOL, therapeutic use/ ESCHERICHIA COLI INFECTIONS, complications/ ESCHERICHIA COLI INFECTIONS, drug therapy/ HUMAN/ *HYDROCEPHALUS, complications/ HYDROCEPHALUS, drug therapy/ HYDROCORTISONE, therapeutic use/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INJECTIONS, INTRAMUSCULAR/ KANAMYCIN, therapeutic use/ MALE/ *MENINGITIS, complications/ MENINGITIS, drug therapy/ *RESPIRATORY DISTRESS SYNDROME, complications

2361. **Lorente Sahuquillo D, Bonilla Martí F:** Ecografía tiroidea.
Rev Iber Endocrinol 20:45-69, Jan-Feb 73 (Spa)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ INFANT/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, diagnosis/ *THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

2362. **Louie AJ, Sung MT, Dixon GH:** Modification of histones during spermatogenesis in trout. 3. Levels of phosphohistone species and kinetics of phosphorylation of histone IIB 1 .
J Biol Chem 248:3335-40, 10 May 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, STARCH GEL/ HISTONES, biosynthesis/ HISTONES, isolation & purification/ *HISTONES, metabolism/ KINETICS/ MALE/ PHOSPHOPROTEINS, biosynthesis/ *PHOSPHOPROTEINS, isolation & purification/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ PROTEIN CONFORMATION/ *SALMONIDAE, physiology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SPERMATOGENESIS/ TESTIS, physiology/ TIME FACTORS/ TRITIUM

2363. **Louis TM, Hafs HD, Seguin BE:** Progesterone, LH, estrus and ovulation after prostaglandin F 2 in heifers.
Proc Soc Exp Biol Med 143:152-5, May 73
ANIMAL EXPERIMENTS/ CATTLE/ CORPUS LUTEUM, drug effects/ ESTRUS/ *ESTRUS, drug effects/ INJECTIONS, INTRAMUSCULAR/ LH, blood/ *LH, metabolism/ *OVULATION, drug effects/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics

2364. **Lovstad RA, Frieden E:** The effect of anions on the oxidase activity of rat ceruloplasmin.
Acta Chem Scand 27:121-6, 1973
*ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ BINDING SITES/ BROMINE/ *CERULOPLASMIN, antagonists & inhibitors/ CHLORINE/ FEMALE/ FLUORINE/ HUMAN/ IODINE/ KINETICS/ NADP/ NITROGEN OXIDES/ OXIDATION-REDUCTION/ PROTEIN BINDING/ RATS

2365. **Loyke HF:** Angiotensins lung converting enzyme.
Proc Soc Exp Biol Med 143:82-4, May 73
*ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARBON TETRACHLORIDE, pharmacodynamics/ CARBON TETRACHLORIDE POISONING, pathology/ HEPATITIS, TOXIC, pathology/ *HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, enzymology/ *KIDNEY, drug effects/ LIVER, pathology/ *LUNG, enzymology/ NEPHRECTOMY/ NOREPINEPHRINE, blood/ RATS/ RATS, INBRED STRAINS/ RENIN, blood

2366. **Lubar JF, Numan R:** Behavioral and physiological studies of septal function and related medial cortical structures. Behav Biol 8:1-25, Jan 73 (109 ref.)
AGGRESSION/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ *BEHAVIOR, ANIMAL/ CATS/ CONDITIONING, OPERANT/ DRINKING/ DRINKING BEHAVIOR/ EMOTIONS/ *GYRUS CINGULI, physiology/ *HIPPOCAMPUS, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ MONKEYS/ MOTOR ACTIVITY/ NEURAL INTERCONNECTIONS, physiology/ RATS/ REVERSAL LEARNING/ REVIEW/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology/ STARTLE REACTION

2367. **Luben RA, Sherman JK, Wadkins CL:** Studies of the mechanism of biological calcification. IV. Ultrastructural analysis of calcifying tendon matrix.
Calcif Tissue Res 11:39-55, 25 Jan 73
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ CATTLE/ COLLAGEN, metabolism/ CRYSTALLIZATION/ HYDROXYAPATITE/ MICROSCOPY, ELECTRON/ PHOSPHONIC ACIDS/ PHOSPHORUS, metabolism/ *TENDONS, metabolism/ TIME FACTORS/ X-RAY DIFFRACTION

2368. **Lubetzki J, Grouchy J de, Duprey J, et al:** Caryotype 46 XX chez un sujet à phénotype mâle.
Ann Med Interne (Paris) 123:635-9, Jun-Jul 72 (Fre)
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FETUS, radiation effects/ HUMAN/ KARYOTYPING/ MALE/ PHENOTYPE/ PREGNANCY/ RADIATION EFFECTS/ *SEX CHROMOSOME ABNORMALITIES/ *SEX DIFFERENTIATION DISORDERS/ SPERMATOGENESIS/ *STERILITY, MALE

2369. **Lubran MM, Fu PC, Sundeen JR:** Estimation of plasma renin activity by radioimmunoassay of angiotensin I.
Ann Clin Lab Sci 3:48-52, Jan-Feb 73
*ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ ANTIBODIES/ BUFFERS/ CHARCOAL/ DIMERCAPROL, pharmacodynamics/ HUMAN/ IODINE ISOTOPES/ QUINOLINES, pharmacodynamics/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *RENIN, blood

2370. **Lucas CE, Rector FE, Werner M, et al:** Altered renal homeostasis with acute sepsis. Clinical significance.
Arch Surg 106:444-9, Apr 73
ALDOSTERONE, physiology/ CALCIUM, blood/ CARDIAC OUTPUT/ CATHETERIZATION/ GLOMERULAR FILTRATION RATE/ HOMEOSTASIS/ HUMAN/ *KIDNEY, physiopathology/ KIDNEY CONCENTRATING ABILITY/ KIDNEY TUBULES, physiopathology/ NATRIURESIS/ OSMOLAR CONCENTRATION/ REGIONAL BLOOD FLOW/ RENAL ARTERY/ RENAL VEINS/ *SEPTICEMIA, physiopathology

2371. **Lucchesi JC, Rawls RM Jr:** Regulation of gene function: a comparison of X-linked enzyme activity levels in normal and intersexual triploids of Drosophila melanogaster. Genetics 73:459-64, Mar 73
ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ DROSOPHILA MELANOGASTER, enzymology/ FEMALE/ GENES, REGULATOR/ *ISOCITRATE DEHYDROGENASE, analysis/ *LINKAGE (GENETICS)/ MALE/ NADP/ *PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ *POLYPLOIDY/ *SEX CHROMOSOMES

2372. **Luck JV:** An approach for hip construction: broad visualization without osteotomy of the greater trochanter. Clin Orthop 91:70-85, Mar-Apr 73
ACETABULUM, injuries/ ACETABULUM, surgery/ *ARTHROPLASTY/ BONE AND BONES, transplantation/ BONE DISEASES, DEVELOPMENTAL, surgery/ FASCIA LATA, surgery/ FEMORAL FRACTURES, surgery/ FEMUR HEAD, surgery/ FRACTURE FIXATION, INTERNAL/ HIP, radiography/ *HIP, surgery/ *HIP JOINT/ HUMAN/ JOINT PROSTHESIS/ METHODS/ MUSCLES, surgery/ OSTEOARTHRITIS, surgery/ OSTEOPOROSIS, surgery/ OSTEOTOMY/ POSTURE/ SKIN, surgery/ SYNOVIAL MEMBRANE, surgery/ TRANSPLANTATION, AUTOLOGOUS

2373. **Lukash NV:** Razvitie ostrogo pankreatita posle intrasinovial'nogo vvedeniia gidrokortizona.
Klin Med (Mosk) 50:131-3, Aug 72 **(Rus)**
ACUTE DISEASE/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ MALE/ MIDDLE AGE/ *PANCREATITIS, chemically induced

2374. **Lüllmann H, Lüllmann-Rauch R, Reil GH:** Ultrastructural changes in adrenal, spleen and liver tissue, induced by chlorphentermine.
Klin Wochenschr 51:284-5, 15 Mar 73
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ CELLULAR INCLUSIONS, analysis/ GUINEA PIGS/ LIPOIDOSIS, chemically induced/ LIPOIDOSIS, pathology/ *LIVER, drug effects/ LIVER, pathology/ MALE/ MICROSCOPY, ELECTRON/ PHENTERMINE, pharmacodynamics/ *PHENYLALANINE, pharmacodynamics/ RATS/ *SPLEEN, drug effects

2375. **Lund HT:** Primary hyperparathyroidism in childhood.
Acta Paediatr Scand 62:317-20, May 73
ADENOMA, diagnosis/ CALCIUM, blood/ CALCIUM, urine/ CALCIUM METABOLISM DISORDERS, diagnosis/ CHILD/ HEMATURIA/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ KIDNEY FUNCTION TESTS/ MALE/ PARATHYROID NEOPLASMS, diagnosis/ PHOSPHATES, blood/ PHOSPHATES, urine/ URETERAL CALCULI, etiology

2376. **Lundell E:** Effect of combination ointment of flumetason-pivalat 0,02 per cent and salicylic acid (Locasalen) on dermatoses.
Z Haut Geschlechtskr 48:25-7, 1 Jan 73
ARM/ DRUG COMBINATIONS/ ECZEMA, drug therapy/ *FLUMETHASONE, administration & dosage/ HUMAN/ LEG DERMATOSES, drug therapy/ NEURODERMATITIS, drug therapy/ OINTMENTS/ *PREGNANETRIOL, administration & dosage/ PRURIGO, drug therapy/ *SALICYLIC ACID, administration & dosage/ SEBORRHEA, drug therapy/ SKIN ABSORPTION/ *SKIN DISEASES, drug therapy/ SKIN DISEASES, INFECTIOUS, drug therapy

2377. **Lundy P, Colhoun EH, Gowdey CW:** Pressor responses of ketamine and circulating biogenic amines.
Nature [New Biol] 241:80-2, 17 Jan 73
ANIMAL EXPERIMENTS/ AORTA, drug effects/ BIOLOGICAL ASSAY/ *BLOOD PRESSURE, drug effects/ CATECHOLAMINES, antagonists & inhibitors/ *CATECHOLAMINES, blood/ CATECHOLAMINES, pharmacodynamics/ DOGS/ *HEART RATE, drug effects/ IN VITRO/ INJECTIONS, INTRAVENOUS/ KETAMINE, administration & dosage/ KETAMINE, antagonists & inhibitors/ *KETAMINE, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ PERFUSION/ RABBITS/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, blood/ SEROTONIN, pharmacodynamics

2378. **Lütgemeier J, Ludwig P, Hebestreit HP:** Klinische Untersuchung der Radiojodkinetik sowie der biologischen Halbwertszeit nach oraler Gabe von 131.
God Zb Med Fak Skopje 118:325-9, Mar 73 **(Ger)**
BONE AND BONES, analysis/ ENGLISH ABSTRACT/ FEMALE/ HALF-LIFE/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ IODINE ISOTOPES, DIAGNOSTIC, analysis/ IODINE ISOTOPES, DIAGNOSTIC, blood/ *IODINE ISOTOPES, DIAGNOSTIC, metabolism/ IODINE ISOTOPES, DIAGNOSTIC, urine/ LIVER, analysis/ MALE/ MYOCARDIUM, analysis/ RADIOISOTOPE SCANNING/ SACRUM, analysis/ SEX FACTORS/ SPLEEN, analysis/ THYROID GLAND, analysis

2379. **Luther ER, MacLeod SC, Langan MJ:** The value of single-specimen estriol-creatinine determinations during pregnancy.
Am J Obstet Gynecol 116:9-14, 1 May 73
*CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY/ SPECIMEN HANDLING

2380. **Lutz RA, Lutz-Ewan L, Weder HG:** Further studies on the temperature dependence of the binding of testosterone to human pregnancy plasma proteins.
Steroids 21:423-31, Mar 73
*BLOOD PROTEINS/ DIALYSIS/ FEMALE/ HUMAN/ MATHEMATICS/ *PREGNANCY/ *PROTEIN BINDING/ TEMPERATURE/ *TESTOSTERONE, blood/ TRITIUM

2381. **Lutz-Richner AR, Landolt RF:** Familiäre Gallengangmisshildungen mit tubulärer Niereninsuffizienz.
Helv Paediatr Acta 28:1-12, Mar 73 **(Ger)**
*ABNORMALITIES, MULTIPLE, familial & genetic/ ACIDOSIS, etiology/ AMINO ACIDS, urine/ *BILE DUCTS, abnormalities/ CONSANGUINITY/ ENGLISH ABSTRACT/ FANCONI SYNDROME, etiology/ GLYCOSURIA, etiology/ HUMAN/ INFANT/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY TUBULES/ MALE/ PEDIGREE/ PROTEINURIA, etiology

2382. **Lybeck H, Leppäluoto J, Virkkunen P:** The effect of pertinent and non-pertinent stimuli on the secretions on thyrotropin and corticotropin.
Int J Neurosci 5:47, Jan 73
ANIMAL EXPERIMENTS/ *COLD/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ *PITUITARY GLAND, secretion/ RABBITS/ *STRESS/ THYROTROPIN, blood/ *THYROTROPIN, secretion

2383. **Lynch HT, Guirgis H, Swartz M, et al:** Genetics and colon cancer. Arch Surg 106:669-75, May 73
ADULT/ AGED/ BLADDER NEOPLASMS, familial & genetic/ BONE NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, familial & genetic/ CERVIX NEOPLASMS, familial & genetic/ *COLONIC NEOPLASMS, familial & genetic/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ HODGKIN'S DISEASE, familial & genetic/ HUMAN/ LEUKEMIA, familial & genetic/ LIVER NEOPLASMS, familial & genetic/ LUNG NEOPLASMS, familial & genetic/ MALE/ MIDDLE AGE/ NEOPLASMS, NERVOUS TISSUE, familial & genetic/ OVARIAN NEOPLASMS, familial & genetic/ PANCREATIC NEOPLASMS, familial & genetic/ PHARYNGEAL NEOPLASMS, familial & genetic/ PROSPECTIVE STUDIES/ PROSTATIC NEOPLASMS, familial & genetic/ RETROSPECTIVE STUDIES/ SARCOMA, familial & genetic/ SKIN NEOPLASMS, familial & genetic/ STOMACH NEOPLASMS, familial & genetic/ UTERINE NEOPLASMS, familial & genetic

2384. **Lyon MF, Hawker SG:** Reproductive lifespan in irradiated and unirradiated chromosomally XO mice.
Genet Res 21:185-94, Apr 73
CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ CORPUS LUTEUM/ CROSSING OVER (GENETICS)/ KARYOTYPING/ *RADIATION GENETICS/ *REPRODUCTION/ REPRODUCTION, radiation effects

M

2385. **Maayan ML, Shapiro R, Ingbar SH:** Epinephrine precursors: effects on the iodine and intermediary metabolism of isolated calf thyroid cells.
Endocrinology 92:912-6, Mar 73
ADENYL CYCLASE, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ *DOPA, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ GLUCOSE, metabolism/ IN VITRO/ *IODINE, metabolism/ IODOTYROSINE, metabolism/ OXIDATION-REDUCTION/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RNA, biosynthesis/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ TRITIUM/ URIDINE, metabolism

2386. **Maberly DJ, Gibson GJ, Butler AG:** Recovery of adrenal function after substitution of beclomethasone diproplonate for oral corticosteroids.
Br Med J 1:778-9, 31 Mar 73
ADMINISTRATION, ORAL/ *ADRENAL GLAND HYPOFUNCTION, chemically induced/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ AEROSOLS/ AGED/ ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ CORTICOTROPIN, diagnostic use/ DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, administration & dosage/ HUMAN/ MALE/ *METHYLPREDNISOLONE, administration & dosage/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ RESPIRATORY FUNCTION TESTS/ SPIROMETRY

2387. **Mabry CC, Hollingsworth DR, Upton GV, et al:** Pituitary-hypothalamic dysfunction in generalized lipodystrophy. J Pediatr 82:625-33, Apr 73
ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADULT/ ARGININE, pharmacodynamics/ CHILD/ CORTICOTROPIN RELEASING FACTOR, blood/ FEMALE/ FSH, blood/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ 17-KETOSTEROIDS, urine/ *LIPODYSTROPHY, physiopathology/ METYRAPONE, pharmacodynamics/ MIDDLE AGE/ MSH, blood/ PITUITARY HORMONE RELEASING FACTORS, blood/ PROTEIN-BOUND IODINE TEST/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ THYROXINE, blood

2388. **McCaman MW, Weinreich D, McCaman RE:** The determination of picomole levels of 5-hydroxytryptamine and dopamine in Aplysia, Tritonia and leech nervous tissues.
Brain Res 53:129-37, 13 Apr 73
ANIMAL EXPERIMENTS/ *DOPAMINE, analysis/ GANGLIA, analysis/ HISTOCYTOCHEMISTRY/ LEECHES/ MOLLUSCA/ *NERVE TISSUE, analysis/ NEURONS, analysis/ *SEROTONIN, analysis

2389. **McCance RA:** The composition of the body: its maintenance and regulation.
Nutr Abstr Rev 42:1269-79, Oct 72 (154 ref.)
ADULT/ AGED/ *BODY COMPOSITION/ BODY CONSTITUTION/ CHILD/ DEFICIENCY DISEASES, metabolism/ FEEDING BEHAVIOR/ FEMALE/ FETUS/ HOMEOSTASIS/ HORMONES, physiology/ HUMAN/ HUNGER/ HYPOTHALAMUS, physiology/ INFANT/ MALE/ *METABOLISM/ MIDDLE AGE/ *NUTRITION/ NUTRITION DISORDERS, metabolism/ OBESITY, metabolism/ PREGNANCY/ REVIEW/ THIRST/ WATER-ELECTROLYTE BALANCE

2390. **McCarthy DS, Pepys J:** Pulmonary aspergilloma--clinical immunology.
Clin Allergy 3:57-70, Mar 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ASPERGILLOSIS, complications/ ASPERGILLOSIS, drug therapy/ *ASPERGILLOSIS, immunology/ ASPERGILLOSIS, radiography/ ASPERGILLUS FUMIGATUS, immunology/ ASPERGILLUS FUMIGATUS, isolation & purification/ CHRONIC DISEASE/ FEMALE/ HUMAN/ HYPERSENSITIVITY, IMMEDIATE, diagnosis/ LEUKOCYTE COUNT/ LUNG, radiography/ LUNG DISEASES, FUNGAL, drug therapy/ *LUNG DISEASES, FUNGAL, immunology/ LUNG DISEASES, FUNGAL, radiography/ MALE/ MIDDLE AGE/ RESPIRATORY FUNCTION TESTS/ SKIN TESTS/ SPUTUM, microbiology

2391. **McCormack WM, Rosner B, Lee Y:** Colonization with genital mycoplasmas in women.
Am J Epidemiol 97:240-5, Apr 73
BOSTON/ CONTRACEPTIVES, ORAL, adverse effects/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ *MYCOPLASMA, isolation & purification/ NEGROES/ REGRESSION ANALYSIS/ *URETHRA, microbiology/ *VAGINA, microbiology

2392. **McCormack WM, Rosner B, Lee YH:** Colonization with genital mycoplasmas in women.
Am J Epidemiol 97:240-5, Apr 73
BOSTON/ CONTRACEPTIVES, ORAL/ FAMILY CHARACTERISTICS/ FEMALE/ GONORRHEA, occurrence/ *GYNECOLOGIC DISEASES, occurrence/ HUMAN/ *MYCOPLASMA INFECTIONS, occurrence/ RACIAL STOCKS/ SOCIOECONOMIC FACTORS

2393. **McCrory WW, Shibuya M, Lu WH, et al:** Therapeutic and toxic effects observed with different dosage programs of cyclophosphamide in treatment of steroid-responsive but frequently relapsing

nephrotic syndrome. J Pediatr 82:614-8, Apr 73
ADOLESCENCE/ ALOPECIA, chemically induced/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ *CYCLOPHOSPHAMIDE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ LEUKOPENIA, chemically induced/ LYMPHOPENIA, chemically induced/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use/ PROTEINURIA, drug therapy/ RECURRENCE/ REMISSION/ UROGENITAL SYSTEM, drug effects

2394. **McCuistion CH, Schoch EP, Warthan TL:** A double-blind comparison of fluocinonide and betamethasone valerate ointments.
Curr Ther Res 15:44-7, Feb 73
ACETIC ACIDS, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, TOPICAL/ *BETAMETHASONE, administration & dosage/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DERMATITIS, ATOPIC, drug therapy/ DERMATITIS, CONTACT, drug therapy/ ECZEMA, drug therapy/ *FLUOCINOLONE ACETONIDE, administration & dosage/ HUMAN/ LICHEN PLANUS, drug therapy/ OINTMENTS/ PSORIASIS, drug therapy/ VALERATES, administration & dosage

2395. **McCullagh KG:** The effect of experimental renal hypertension on the response of the rabbit aorta to vitamin D. Br J Exp Pathol 54:173-82, Apr 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ AORTA, analysis/ *AORTA, drug effects/ AORTA, metabolism/ AORTA, pathology/ BLOOD PRESSURE/ CALCINOSIS/ CALCIUM, blood/ COLLAGEN/ CONNECTIVE TISSUE/ ELASTIN/ *HYPERTENSION, RENAL/ HYPERTENSION, RENAL, pathology/ PHOSPHATES, blood/ PROBABILITY/ PROTEINS/ RABBITS/ REGRESSION ANALYSIS/ *VITAMIN D, pharmacodynamics

2396. **McDevitt DG, Shanks RG:** Oxprenolol in thyrotoxicosis.
Lancet 1:1004, 5 May 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, adverse effects/ CLINICAL RESEARCH/ EVALUATION STUDIES/ HEART RATE, drug effects/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ *OXPRENOLOL, therapeutic use/ PLACEBOS/ PROPRANOLOL, therapeutic use

2397. **McDougall IR, Greig WR, Gillespie FC:** Iodine-125 therapy for thyrotoxicosis: background and evaluation in 148 patients.
Strahlentherapie [Sonderb] 72:243-52, 1972
ADULT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, adverse effects/ *IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIATION DOSAGE

2398. **Mace J, Schneider S:** Diphenylhydantoin and rickets.
Lancet 1:1119, 19 May 73
CHILD, PRESCHOOL/ CONVULSIONS, drug therapy/ *DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, therapeutic use/ DRUG SYNERGISM/ FEMALE/ HUMAN/ *RICKETS, chemically induced/ VITAMIN D, therapeutic use

2399. **McFarland BH, Chan SI:** Uncoupling of fragmented sarcoplasmic reticulum's calcium uptake and extra ATPase activity found in the absence of oxalate.
Life Sci [II] 12:385-93, 8 May 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FREEZING/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MICROPORE FILTERS/ *OXALATES, pharmacodynamics/ RABBITS/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ TIME FACTORS

2400. **McGeer EG, Fibiger HC, McGeer PL, et al:** Temporal changes in amine synthesizing enzymes of rat extrapyramidal structures after hemitransections or 6-hydroxydopamine administration.
Brain Res 52:289-300, 30 Mar 73
ACETYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ CHOLINE/ CORPUS STRIATUM, enzymology/ DOPA DECARBOXYLASE, metabolism/ *GANGLIA, BASAL, enzymology/ GLUTAMATES/ *HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *SUBSTANTIA NIGRA, enzymology/ TIME FACTORS/ TRYPTOPHAN HYDROXYLASE, metabolism/ TYROSINE HYDROXYLASE, metabolism

2401. **MacGregor GA:** Parathyroid disease.
Lancet 1:1133, 19 May 73
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *PARATHYROID DISEASES, diagnosis/ THYROID DISEASES, diagnosis/ TIME FACTORS

2402. **MacGregor RR, Chu LL, Hamilton JW, et al:** Partial purification of parathyroid hormone from chicken parathyroid glands. Endocrinology 92:1312-7, May 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CARBON ISOTOPES/ CATTLE/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ CITRATES, metabolism/ CROSS REACTIONS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ IMMUNE SERUMS/ MICE/ *PARATHYROID HORMONE, isolation & purification/ PRECIPITATION/ TRITIUM/ VITAMIN D DEFICIENCY

2403. **Machlin LJ:** Effect of growth hormone on milk production and feed utilization in dairy cows.
J Dairy Sci 56:575-80, May 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *CATTLE, physiology/ ELECTROPHORESIS, DISK/ FEMALE/ GEL FILTRATION/ INJECTIONS, SUBCUTANEOUS/ *LACTATION, drug effects/ PREGNANCY/ SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, isolation & purification/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

2404. **McIntosh S, O'Brien RT, Schwartz AD, et al:** Neonatal isoimmune purpura: response to platelet infusions.
J Pediatr 82:1020-7, Jun 73
BLOOD DONORS/ *BLOOD PLATELETS, immunology/ *BLOOD TRANSFUSION, adverse effects/ CELL SURVIVAL/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ EXCHANGE TRANSFUSION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, immunology/ *ISOANTIBODIES/ LEUKOCYTE COUNT/ MALE/ MATERNAL-FETAL EXCHANGE/ PATERNITY/ PEDIGREE/ PREGNANCY/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOPENIC, etiology/ PURPURA, THROMBOPENIC, familial & genetic/ *PURPURA, THROMBOPENIC, immunology/ PURPURA, THROMBOPENIC, therapy

2405. **Mackay NJ:** The effects of Methallibure (I.C.I. 33,828) and thiourea on gametogenesis in the firetail gudgeon, Hypseleotris galii.
Gen Comp Endocrinol 20:221-35, Apr 73
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ COMPARATIVE STUDY/ FEMALE/ *FISHES/ *GONADS, drug effects/ *HYDRAZINES, pharmacodynamics/ HYDRAZINES, toxicity/ MALE/ ORGAN WEIGHT/ OVUM/ *THIOUREA, pharmacodynamics/ THIOUREA, toxicity/ THYROID GLAND, drug effects/ TIME FACTORS

2406. **Mackay WD:** Treatment of breast cancer. 2. Nurs Mirror 136:43-5, 27 Apr 73
ADRENALECTOMY/ BREAST NEOPLASMS, therapy/ HYPOPHYSECTOMY/ NEOPLASM RECURRENCE, LOCAL, therapy/ PITUITARY GLAND IRRADIATION/ SPECIAL LIST NURSING

2407. **McKenna OC, Rosenbluth J:** Myoneural and intermuscular junctions in a molluscan smooth muscle. J Ultrastruct Res 42:434-50, Mar 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ CONNECTIVE TISSUE, cytology/ FACTOR ANALYSIS, STATISTICAL/ FORMALDEHYDE/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNICS/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MITOCHONDRIA, MUSCLE/ MOLLUSCA/ *MUSCLE, SMOOTH, cytology/ MUSSELS/ NERVE ENDINGS, cytology/ *NEUROMUSCULAR JUNCTION/ SEROTONIN, isolation & purification

2408. **Mackey JP:** Clocortolone, a new topical steroid in dermatoses. J Ir Med Assoc 66:157-9, 24 Mar 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ *ECZEMA, drug therapy/ FEMALE/ HUMAN/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, therapeutic use/ MALE/ MIDDLE AGE/ OINTMENTS/ PREGNADIENES, administration & dosage/ PREGNADIENES, therapeutic use/ *PSORIASIS, drug therapy

2409. **Mackinlay CJ:** Who is Houstoun? A biography of Robert Houstoun M.D., F.R.S. 1678-1734.
J Obstet Gynaecol Br Commonw 80:193-200, Mar 73
FEMALE/ *GYNECOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HUMAN/ *OVARIAN CYSTS, history/ OVARIAN CYSTS, surgery/ SCOTLAND

2410. **McKinney JD, Cavanagh GC, Bell JT, et al:** Effects of ammoniation on aflatoxins in rations fed lactating cows. J Am Oil Chem Soc 50:79-84, Mar 73
AFLATOXIN, analysis/ *AFLATOXIN, antagonists & inhibitors/ AFLATOXIN, pharmacodynamics/ *AMMONIA, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMAL FEED, analysis/ CATTLE/ COTTONSEED/ FEMALE/ LACTATION/ *MILK, analysis

2411. **McLain CR:** Amniocentesis and the diseases of the unborn. DM I-34, Mar 73 (62 ref.)
ADRENOGENITAL SYNDROME, diagnosis/ ADULT/ *AMNIOCENTESIS/ AMNIOCENTESIS, adverse effects/ AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, radiography/ AUTOSOME ABNORMALITIES, diagnosis/ BLOOD TRANSFUSION, INTRAUTERINE/ CHROMOSOME ABERRATIONS/ DIAGNOSTIC ERRORS/ ERYTHROBLASTOSIS, FETAL, diagnosis/ FEMALE/ *FETAL DISEASES, diagnosis/ GALACTOSEMIA, diagnosis/ GESTATIONAL AGE/ HUMAN/ INFORMED CONSENT/ KARYOTYPING/ MALE/ MAPLE SYRUP URINE DISEASE, diagnosis/ MONGOLISM, diagnosis/ PHENYLKETONURIA, diagnosis/ PHOSPHOLIPIDS, analysis/ PLACENTA PRAEVIA/ PREGNANCY/ REVIEW/ SEBACEOUS GLANDS/ TRISOMY

2412. **McLaren A, Gauld IK, Bowman P:** Comparison between mice chimaeric and heterozygous for the X-linked gene tabby. Nature 241:180-3, 19 Jan 73
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FEMALE/ FORELIMB, anatomy & histology/ *GENES/ HAIR, anatomy & histology/ *HETEROZYGOTE/ HOMOZYGOTE/ *LINKAGE (GENETICS)/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *MOSAICISM/ PHENOTYPE/ PIGMENTATION/ *SEX CHROMOSOMES/ SKIN, anatomy & histology/ TAIL, anatomy & histology

2413. **McLaren EH, Epstein S, Millner G:** Unusual variants of hyperparathyroidism. S Afr Med J 47:611-5, 14 Apr 73
ADENOMA, complications/ AGED/ AUTOPSY/ BONE AND BONES, pathology/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ KIDNEY, pathology/ MIDDLE AGE/ NEPHROCALCINOSIS, etiology/ OSTEITIS FIBROSA CYSTICA, etiology/ OSTEOMALACIA, etiology/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, complications/ RECURRENCE/ VITAMIN D DEFICIENCY, complications

2414. **McLaren EH, Keet PC:** Regression of the Forbes-Albright syndrome after pituitary apoplexy. Br Med J 2:214-5, 28 Apr 73
ADULT/ *AMENORRHEA, complications/ BLOOD SUGAR/ FEMALE/ *FSH, urine/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INFARCTION/ INSULIN, diagnostic use/ *LACTATION DISORDERS, complications/ NECROSIS/ NEOPLASM REGRESSION, SPONTANEOUS/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ PROLACTIN, blood/ SOMATOTROPIN, blood/ SYNDROME/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use

2415. **McLarty DG, Brownlie BE, Alexander WD, et al:** Remission of thyrotoxicosis during treatment with propranolol. Br Med J 2:332-4, 12 May 73
FEMALE/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ IODINE ISOTOPES/ MIDDLE AGE/ PROPRANOLOL, adverse effects/ *PROPRANOLOL, therapeutic use/ PROTEIN-BOUND IODINE TEST/ REMISSION/ RESPIRATORY INSUFFICIENCY, chemically induced/ SWEATING, drug effects/ TECHNETIUM/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood

2416. **McLaughlin AP 3d, Kessler WO, Clark PL, et al:** The fate of methylcholanthrene tumor cells in bone: analysis of immune factors in host resistance. J Surg Res 14:186-92, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ AUTOANTIBODIES/ *BONE AND BONES, immunology/ FEMALE/ FEMORAL NEOPLASMS, immunology/ FEMORAL NEOPLASMS, pathology/ FEMUR, immunology/ FIBROSARCOMA, chemically induced/ *FIBROSARCOMA, immunology/ FIBROSARCOMA, pathology/ IMMUNITY, CELLULAR/ IMMUNIZATION/ INJECTIONS/ IODINE ISOTOPES/ ISOANTIBODIES, analysis/ *METHYLCHOLANTHRENE/ MICE/ MICE, INBRED C57BL/ NEOPLASM TRANSPLANTATION/ PASSIVE TRANSFER/ SARCOMA, EXPERIMENTAL/ SPLENECTOMY/ TRANSPLANTATION, HOMOLOGOUS

2417. **Maclaurin BP, Matthews N, Kilpatrick JA:** Coeliac disease associated with auto-immune thyroiditis, Sjogren's syndrome, and a lymphocytotoxic serum factor. Aust NZ J Med 2:405-11, Nov 72
AGED/ *ANTILYMPHOCYTE SERUM/ *AUTOANTIBODIES/ *AUTOIMMUNE DISEASES, complications/ AUTOIMMUNE DISEASES, immunology/ DIET THERAPY/ FEMALE/ GLUTEN/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOGLOBULINS, analysis/ LYMPHOCYTE TRANSFORMATION/ PLANT AGGLUTININS/ *SJOGREN'S SYNDROME, complications/ SJOGREN'S SYNDROME, immunology/ SJOGREN'S SYNDROME, therapy/ *SPRUE, complications/ SPRUE, immunology/ SPRUE, therapy/ THYROID GLAND, immunology/ *THYROIDITIS, complications/ THYROIDITIS, immunology

2418. **Maclean D, Taig DR, Emslie-Smith D:** Achilles tendon reflex in accidental hypothermia and hypothermic myxoedema. Br Med J 2:87-90, 14 Apr 73
*ACHILLES TENDON, physiopathology/ AGED/ CHILD/ FEMALE/ HUMAN/ *HYPOTHERMIA,

physiopathology/ HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ MUSCLE CONTRACTION/ MYXEDEMA, diagnosis/ *MYXEDEMA, physiopathology/ PROTEIN-BOUND IODINE TEST/ *REFLEX, TENDON/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ TIME FACTORS

2419. **MacLeod RM, Lehmeyer JE:** Suppression of pituitary tumor growth and function by ergot alkaloids. Cancer Res 33:849-55, Apr 73
ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ *ERGOT ALKALOIDS, therapeutic use/ ERGOTAMINE, therapeutic use/ FEMALE/ HEPATOMEGALY, etiology/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NEOPLASMS, EXPERIMENTAL, physiopathology/ ORGAN CULTURE/ *PITUITARY GLAND, physiopathology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONES, ANTERIOR, secretion/ PITUITARY NEOPLASMS, drug therapy/ *PITUITARY NEOPLASMS, physiopathology/ PROLACTIN, biosynthesis/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, secretion/ SPLENOMEGALY, etiology/ TRITIUM

2420. **MacLeod RM, Lehmeyer JE:** Independence of pituitary tumor-mediated suppression of growth hormone secretion and cyclic 3',5'-adenosine monophosphate production. Cancer Res 33:843-8, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ FEMALE/ IN VITRO/ NEOPLASMS, EXPERIMENTAL, enzymology/ NEOPLASMS, EXPERIMENTAL, metabolism/ PHOSPHODIESTERASES, metabolism/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS, enzymology/ *PITUITARY NEOPLASMS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RATS/ *SOMATOTROPIN, secretion

2421. **McLeroy VJ, Schendel HE:** Influence of oral contraceptives on ascorbic acid concentrations in healthy, sexually mature women.
Am J Clin Nutr 26:191-6, Feb 73
ADULT/ *ASCORBIC ACID, blood/ ASCORBIC ACID, pharmacodynamics/ BODY WEIGHT/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CORPUS LUTEUM, physiology/ DIMETHISTERONE, pharmacodynamics/ EDUCATIONAL STATUS/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ *LEUKOCYTES, metabolism/ MEDROXYPROGESTERONE, pharmacodynamics/ MENSTRUATION/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PARITY/ TIME FACTORS

2422. **MacMahon B, Cole P, Brown J:** Etiology of human breast cancer: a review.
J Natl Cancer Inst 50:21-42, Jan 73 (178 ref.)
ADRENAL CORTEX HORMONES, adverse effects/ AGE FACTORS/ BREAST DISEASES, complications/ BREAST NEOPLASMS, chemically induced/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, microbiology/ DIET/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LACTATION/ MENARCHE/ MENOPAUSE/ NEOPLASMS, MULTIPLE PRIMARY, complications/ NEOPLASMS, RADIATION-INDUCED/ ONCOGENIC VIRUSES/ PARITY/ PREGNANCY/ PROGESTERONE, adverse effects/ PROLACTIN, adverse effects/ REVIEW/ STERILIZATION, SEXUAL/ TEMPERATURE

2423. **McMahon JE, Shoop JD:** I-131 uptake. Revision of normal values for New Mexico.
Rocky Mt Med J 70:39-41, Apr 73
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, metabolism/ *IODINE ISOTOPES, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ NEW MEXICO/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS, standards/ TIME FACTORS

2424. **McMahon MJ, Thomas GH:** Morphological changes of benign prostatic hyperplasia in culture.
Br J Cancer 27:323-35, Apr 73
ACID PHOSPHATASE, analysis/ AGAR/ AUTORADIOGRAPHY/ DIETHYLSTILBESTROL, pharmacodynamics/ DNA, metabolism/ EPITHELIUM/ HUMAN/ MALE/ *ORGAN CULTURE/ PROSTATIC HYPERTROPHY, enzymology/ PROSTATIC HYPERTROPHY, metabolism/ *PROSTATIC HYPERTROPHY, pathology/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM

2425. **MacManus JP, Whitfield JF:** Cyclic-AMP binding sites on the cell surface of thymic lymphocytes.
Life Sci [II] 11:837-45, 8 Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CELL MEMBRANE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ *LYMPHOCYTES, metabolism/ MALE/ MITOSIS, drug effects/ OSMOLAR CONCENTRATION/ PROTEIN BINDING, drug effects/ RATS/ TEMPERATURE/ *THYMUS GLAND, cytology/ TRITIUM

2426. **McMurtry RJ, Hagerman DD:** Carbon monoxide inhibition of progesterone hydroxylation and side-chain cleavage catalyzed by rat testis microsomes. Steroids Lipids Res 3:8-13, 1972
ANIMAL EXPERIMENTS/ *CARBON MONOXIDE, pharmacodynamics/ CHROMATOGRAPHY, GAS/ HYDROXYLATION/ HYDROXYPROGESTERONE, metabolism/ IN VITRO/ KINETICS/ LIGHT/ MALE/ *MICROSOMES, metabolism/ MICROSOMES, radiation effects/ OXYGEN CONSUMPTION, drug effects/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, metabolism/ RATS/ *TESTIS, metabolism/ ULTRAVIOLET RAYS

2427. **McNatty KP, Young A:** Diurnal changes of plasma cortisol levels in sheep adapting to a new environment. J Endocrinol 56:329-30, Feb 73
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ FEMALE/ HOUSING, ANIMAL/ *HYDROCORTISONE, blood/ RADIOLIGAND ASSAY/ *SHEEP, physiology

2428. **MacNeill E, Shaw RF:** Segregation ratios in Alport's syndrome. J Med Genet 10:23-6, Mar 73
ALLELES/ *ALPORT'S SYNDROME, familial & genetic/ FEMALE/ GENES, DOMINANT/ HETEROZYGOTE/ HUMAN/ LINKAGE (GENETICS)/ MALE/ MEIOSIS/ PEDIGREE/ SEX CHROMOSOMES

2429. **McNeill KG, Molla MA, Harrison JE:** Distribution of thorium series nuclides in beagles after intraspinal thorotrast injection. Health Phys 24:403-9, Apr 73

ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ BRAIN, metabolism/ CAUDA EQUINA, metabolism/ CAUDA EQUINA, radiation effects/ CISTERNA MAGNA/ DOGS/ FECES, metabolism/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LIVER, metabolism/ MALE/ MYELOGRAPHY/ RADIATION EFFECTS/ *RADIUM, metabolism/ RADIUM, urine/ SPINAL CORD, metabolism/ *THORIUM, metabolism/ THORIUM, urine/ *THORIUM DIOXIDE, administration & dosage

2430. McQuarrie HG, Harris JW, Ellsworth HS, et al: Evaluation of d-norgestrel 1.0 mg in cyclic regimen. J Reprod Med 10:200-2, Apr 73
FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ NORGESTREL, adverse effects/ *NORGESTREL, therapeutic use

2431. McQueen CM, Smith DA, Monk IB, et al: A television scanning system for the measurement of the spatial variation of micro-density in bone sections. Calcif Tissue Res 11:124-32, 19 Feb 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, radiography/ COMPUTERS/ DENSITOMETRY, X-RAY, instrumentation/ HUMAN/ METHODS/ MICRORADIOGRAPHY/ RABBITS/ *TELEVISION

2432. MacTaggart B, Borelli S: Beeinflussung gestörter Hautdurchblutung hei Dermatosen. Munch Med Wochenschr 115:422-5, 9 Mar 73 (Ger)
ADMINISTRATION, ORAL/ ADULT/ ASCORBIC ACID, pharmacodynamics/ *CALCIUM, pharmacodynamics/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ PHOSPHOROUS ACIDS, pharmacodynamics/ PLANT EXTRACTS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ *SKIN, blood supply/ *SKIN DISEASES, complications/ SKIN TEMPERATURE/ VASCULAR DISEASES, etiology/ VITAMIN D, pharmacodynamics

2433. Maddox IS: The role of copper in prostaglandin synthesis. Biochim Biophys Acta 306:74-81, 13 Apr 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, metabolism/ *COPPER, metabolism/ GLUTATHIONE, metabolism/ HYDROQUINONES, metabolism/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, isolation & purification/ SHEEP/ TEMPERATURE

2434. Maengwyn-Davies GD, Johnson DG, Thoa NB, et al: Influence of isolation and of figbting on adrenal tyrosine hydroxylase and phenyletbanolamine-N-metbyltransferase activities in three strains of mice. Psycbopbarmacologia 28:339-50, 20 Feb 73
*ADRENAL MEDULLA, enzymology/ *AGGRESSION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ DEFENSE MECHANISMS/ ETHANOLAMINES/ FEAR/ MALE/ METHAMPHETAMINE, pbarmacodynamics/ *METHYLTRANSFERASES, metabolism/ MICE/ MICE, INBRED BALB C/ MICE, INBRED STRAINS/ PHENOBARBITAL, pharmacodynamics/ *SOCIAL ISOLATION/ TRANYLCYPROMINE, pbarmacodynamics/ *TYROSINE HYDROXYLASE, metabolism

2435. Magun B: Two actions of cyclic AMP on melanosome movement in frog skin. Dissection by cytochalasin B. J Cell Biol 57:845-58, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANIMAL EXPERIMENTS/ *CELL MOVEMENT, drug effects/ CYTOCHALASIN B, pharmacodynamics/ FROGS/ *INDOLES, pbarmacodynamics/ *MELANOCYTES, drug effects/ *MONILIALES/ RANA PIPIENS/ *SKIN, drug effects/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

2436. Mahaux JE, Chamla-Soumenkoff J, Delcourt R, et al: Elévation des immunoglobulines IgM et IgG et réaction ophtalmopathique après apport de triiodotbyronine cbez une basedowienne thyroidectomisée. Rupture réversible d'équilibre autoimmunitaire et phénomène d'Arthus. Ann Endocrinol (Paris) 33:86-91, Jan-Feb 72 (Fre)
ADULT/ *ARTHUS PHENOMENON, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, immunology/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ *IGG, metabolism/ *IGM, metabolism/ IMMUNOGLOBULINS, metabolism/ MACROGLOBULINS, metabolism/ THYROIDECTOMY/ *TRIIODOTHYRONINE, pharmacodynamics

2437. Mahmoud F, De Silva K: Herpes gestationis. Ceylon Med J 17:99-101, Jun 72
*DERMATITIS HERPETIFORMIS, complications/ DERMATITIS HERPETIFORMIS, drug therapy/ FEMALE/ FETAL DEATH, etiology/ HUMAN/ PREDNISOLONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PYRIDOXINE, therapeutic use

2438. Maibenco HC, Krehbiel RH: Reproductive decline in aged female rats. J Reprod Fertil 32:121-3, Jan 73
*AGING/ ANIMAL EXPERIMENTS/ DECIDUA/ ESTRADIOL, pbysiology/ FEMALE/ LEUKOCYTES/ OVULATION/ OVUM, cytology/ PREGNANCY/ PROGESTERONE, pbysiology/ RATS/ *REPRODUCTION

2439. Maidman JE, Thorpe LW, Harris JA, et al: Fetal origin of x-cells in human placental septa and basal plate. Obstet Gynecol 41:547-52, Apr 73
*BASOPHILS/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MICROSCOPY, PHASE CONTRAST/ *PLACENTA, cytology/ PREGNANCY/ SEX CHROMATIN/ SEX FACTORS

2440. Maillie HD, Eddy HA, Mermagen H: On the possible influence of sinusoidal blood volume on the X-ray dose delivered to tbe marrow of trabecular bone in tbe rat. Healtb Phys 24:353-5, Mar 73
ANIMAL EXPERIMENTS/ *BLOOD VOLUME/ *BONE AND BONES, radiation effects/ *BONE MARROW, radiation effects/ MATHEMATICS/ MODELS, THEORETICAL/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS

2441. Makarchenko AF, Dinaburg GD, Lauta AD: Rol-vikovykh zmin hipotalamusa v formuvanni vebetatyvnykh i obminnykh porushen' u postklimakterychnomu periodi. Fiziol Zh 19:159-62, Mar-Apr 73 (Ukr)
*AGING/ *CLIMACTERIC/ DIENCEPHALON, pbysiopatbology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, physiopatbology/ HYPOTENSION, physiopathology/ *HYPOTHALAMUS, physiopatbology/ MIDDLE AGE

2442. Makhov EP, Filippova VM: Lechenie zabolevanii i povrezbdenii oporno-dvigatel'nogo apparata gidrokortizonom. Khirurgiia (Mosk) 49:83-5, Feb 72 (Rus)
ADULT/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, tberapeutic use/ INJECTIONS, INTRA-ARTICULAR/ *JOINT DISEASES, drug tberapy/ MALE/ MIDDLE AGE/ *MUSCULAR DISEASES, drug tberapy/ PEPTIDE HYDROLASES, tberapeutic use/ PHYSICAL THERAPY

2443. Makino S, Miyamoto T, Oshima Y: Aerosolized dexamethasone isonicotinate in the treatment of bronchial asthma. A doubie blind study. Acta Allergol (Kbh) 27:364-71, Dec 72
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ ASTHMA, blood/ *ASTHMA, drug therapy/ CLINICAL RESEARCH/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, tberapeutic use/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/

INHALATION THERAPY/ MALE/ MIDDLE AGE/ PLACEBOS/ TIME FACTORS

2444. **Makita T, Hashimoto Y, Noguchi T:** Mutagenic, cytogenetic and teratogenic studies on thiophanate-methyl.
Toxicol Appl Pharmacol 24:206-15, Feb 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BONE MARROW, anatomy & histology/ BONE MARROW, cytology/ BONE MARROW, drug effects/ CESAREAN SECTION/ CHROMOSOME ABNORMALITIES, chemically induced/ CHROMOSOMES, drug effects/ FEMALE/ FERTILITY, drug effects/ FETUS, drug effects/ MALE/ MICE/ MICE, INBRED ICR/ *MUTATION, drug effects/ PREGNANCY/ RATS/ SKELETON, drug effects/ TESTIS, anatomy & histology/ TESTIS, cytology/ TESTIS, drug effects/ THIOPHENES, administration & dosage/ *THIOPHENES, pharmacodynamics/ TIME FACTORS

2445. **Makker SP, Grupe WE, Perrin E, et al:** Identical progression of juvenile hereditary nephronophthisis in monozygotic twins. J Pediatr 82:773-9, May 73
CHILD/ DIAGNOSIS, DIFFERENTIAL/ DISEASES IN TWINS/ FANCONI SYNDROME, diagnosis/ HUMAN/ KIDNEY, pathology/ KIDNEY DISEASES, diagnosis/ *KIDNEY DISEASES, familial & genetic/ KIDNEY DISEASES, pathology/ PEDIGREE

2446. **Malaia LT, Lazareva SA, Berkelieva SCh:** Aktivnost' kininogen-kininovoi sistemy pri ostrom krupnoochagovom infarkte miokarda i ego oslozhneniiakh.
Klin Med (Mosk) 51:29-36, Apr 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ENGLISH ABSTRACT/ HUMAN/ KININOGENS/ *KININS, blood/ MIDDLE AGE/ *MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, drug therapy/ *PROTEIN PRECURSORS, blood/ SHOCK, CARDIOGENIC, blood/ SHOCK, CARDIOGENIC, complications

2447. **Malaisse WJ:** Theophylline-induced translocation of calcium in the pancreatic beta cell: inhibition by deuterium oxide.
Nature [New Biol] 242:189-90, 11 Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *DEUTERIUM, pharmacodynamics/ ISLANDS OF LANGERHANS, cytology/ *ISLANDS OF LANGERHANS, metabolism/ OXIDES/ RATS/ THEOPHYLLINE, antagonists & inhibitors/ *THEOPHYLLINE, pharmacodynamics

2448. **Malaisse WJ, Pipeleers DG, Mahy M:** The stimulus-secretion coupling of glucose-induced insulin release. XII. Effects of diazoxide and gliclazide upon 45 calcium efflux from perifused islets. Diabetologia 9:1-5, Feb 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ CYCLOPENTANE, pharmacodynamics/ DEUTERIUM/ *DIAZOXIDE, pharmacodynamics/ EXTRACELLULAR SPACE, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ OXIDES, pharmacodynamics/ PERFUSION/ PYRROLES, pharmacodynamics/ RATS/ *SULFONYLUREA COMPOUNDS, pharmacodynamics

2449. **Malarewicz A:** Zachowanie się kory nadnerczy trzehionej samicy szczura białego w prizehiegu starzenia się.
Ginekol Pol 44:363-9, Apr 73 (Pol)
*ADRENAL GLANDS, pathology/ *CASTRATION, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ RATS/ TIME FACTORS

2450. **Malcolm AS:** A microradiographic apparatus.
Aust Dent J 17:454-60, Dec 72
AIR/ ANIMAL EXPERIMENTS/ ATMOSPHERIC PRESSURE/ BONE AND BONES, radiography/ BONE DISEASES, radiography/ FLUORIDE POISONING, radiography/ GILLS, radiography/ HELIUM/ *MICRORADIOGRAPHY, instrumentation/ RABBITS/ RATS/ SALMONIDAE/ SKULL, radiography/ TIBIA, radiography

2451. **Malek RS, Boyce WH:** Intranephronic calculosis: its significance and relationship to matrix in nephrolithiasis. J Urol 109:551-5, Apr 73
ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ CALCIUM, analysis/ CHILD/ CHILD, PRESCHOOL/ COLONIC NEOPLASMS, complications/ CYSTINE, analysis/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *KIDNEY CALCULI, complications/ KIDNEY CALCULI, pathology/ KIDNEY TUBULES, DISTAL, pathology/ MALE/ MIDDLE AGE/ *NEPHROCALCINOSIS, complications/ NEPHRONS, pathology/ OXALATES, analysis/ PEPTIC ULCER, complications/ PHOSPHATES, analysis/ URIC ACID, analysis/ URINARY TRACT INFECTIONS, complications

2452. **Maleki M, Lange RL:** Coronary thrombosis in young women on oral contraceptives: report of two cases and review of the literature. Am Heart J 85:749-54, Jun 73
ADULT/ CINEANGIOGRAPHY/ *CONTRACEPTIVES, ORAL, adverse effects/ *CORONARY DISEASE, chemically induced/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART CATHETERIZATION/ HUMAN/ MESTRANOL, adverse effects/ MYOCARDIAL INFARCT, chemically induced/ MYOCARDIAL INFARCT, physiopathology/ MYOCARDIAL INFARCT, radiography/ NORETHINDRONE, adverse effects/ NORETHYNODREL, adverse effects/ THROMBOSIS, chemically induced/ THROMBOSIS, radiography

2453. **Malendowicz LK:** Comparative studies on the effects of aminoglutethimide, metopirone, ACTH and hydrocortisone on the adrenal cortex of adult male rats. II. Histological and histochemical studies.
Endokrinologie 61:75-93, 1973
ACID PHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, pathology/ ALKALINE PHOSPHATASE, analysis/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPHY/ *CORTICOTROPIN, pharmacodynamics/ ESTERASES, analysis/ HISTOCYTOCHEMISTRY/ *HYDROCORTISONE, pharmacodynamics/ HYPERTROPHY/ LIPIDS, analysis/ MALE/ *METYRAPONE, pharmacodynamics/ NUCLEOTIDASES, analysis/ RATS/ SUCCINATE DEHYDROGENASE, analysis

2454. **Males JL, Townsend JL, Schneider RA:** Hypogonadotropic hypogonadism with anosmia--Kallmann's syndrome. A disorder of olfactory and hypothalamic function.
Arch Intern Med 131:501-7, Apr 73
ADULT/ *ANOSMIA, diagnosis/ BIOPSY/ BREAST, physiopathology/ COLOR BLINDNESS, diagnosis/ COLOR BLINDNESS, physiopathology/ *EUNUCHISM, diagnosis/ EUNUCHISM, physiopathology/ FEMALE/ GLUCOCORTICOIDS, secretion/ GONADOTROPINS, secretion/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOGONADISM, pathology/ *HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, physiopathology/ SYNDROME/ TESTIS, pathology/ TESTOSTERONE, secretion

2455. **Malinak LR, Wilson R, South MA, et al:** Germ-free delivery. The initiation of management of infants with

a high probability of congenital immune deficiency states. Am J Obstet Gynecol 116:201-4, 15 May 73
ADULT/ CESAREAN SECTION/ *DELIVERY/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, congenital/ IMMUNOLOGIC DEFICIENCY SYNDROMES, diagnosis/ *INFANT CARE/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, prevention & control/ *PATIENT ISOLATORS/ PREGNANCY/ SEX DETERMINATION/ STERILIZATION, instrumentation

2456. **Mall-Haefeli M:** Die Minipille.
Praxis 62:523-5, 24 Apr 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ OVULATION, drug effects/ PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, pharmacodynamics

2457. **Mall-Haefeli M:** Die moderne Antikonzeption und ihre Risiken. Vasa 2:172-5, 1973 (Ger)
*CONTRACEPTIVE AGENTS, adverse effects/ CONTRACEPTIVE DEVICES, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN

2458. **(Mallam PC):** P. C. Mallam. Br Med J 1:619, 10 Mar 73
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ ENGLAND/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

2459. **Mallampati RS, Johnson DC:** Serum and pituitary prolactin, LH, and FSH in androgenized female and normal male rats treated with various doses of estradiol benzoate. Neuroendocrinology 11:46-56, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEEDBACK/ FEMALE/ FSH, blood/ *FSH, metabolism/ LH, blood/ *LH, metabolism/ MALE/ ORGAN WEIGHT/ OVARY, growth & development/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PROLACTIN, blood/ *PROLACTIN, metabolism/ PROSTATE, growth & development/ RADIOIMMUNOASSAY/ RATS/ SEMINAL VESICLES, growth & development/ TESTOSTERONE, pharmacodynamics/ UTERUS, growth & development

2460. **Mallon J, Germanton D:** Implantable transducer for in vivo measurement of bone strain.
ISA Trans 12:88-94, 1973
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BONE AND BONES, physiology/ MACACA/ MATHEMATICS/ METHODS/ MONKEYS/ SEMICONDUCTORS/ *STRESS, MECHANICAL/ TIBIA, physiology/ *TRANSDUCERS

2461. **Malofiejew M, Laudański T, Kostrzewska A:** Wpływ prostaglandyny A 2 (PGA 2) na zjawiska elektrobiologiczne w izolowanym myometrium szczura.
Ginekol Pol 44:225-9, Mar 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ MUSCLE CONTRACTION, drug effects/ OXYTOCIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *UTERUS, drug effects

2462. **Malvin RL:** Some factors controlling the secretion of antidiuretic hormone and renin.
Rev Invest Clin 24:317-28, Oct-Dec 72
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOGS/ FEEDBACK/ FEMALE/ *HEART, physiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ JUXTAGLOMERULAR APPARATUS, physiology/ MALE/ *RENIN, secretion/ STIMULATION, CHEMICAL/ *VASOPRESSIN, secretion

2463. **Malyzhev VA, Pokrovskaia SV:** Vplyv tymosynu na funktsional'nyi stan kory nadnyrkovykh zaloz u morsk'kykh svynok.
Fiziol Zh 18:828-31, Nov-Dec 72 (Ukr)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *GLYCOPROTEINS, pharmacodynamics/ GUINEA PIGS/ 17-KETOSTEROIDS, analysis/ LEUKOCYTE COUNT/ MALE/ *THYMUS GLAND/ *TISSUE EXTRACTS, pharmacodynamics

2464. **Malzone WF, Gonyea EF:** Exophthalmos with intracerebral arteriovenous malformations.
Neurology (Minneap) 23:534-8, May 73
ADULT/ *ARTERIOVENOUS MALFORMATIONS, complications/ CAROTID ARTERIES, abnormalities/ CAROTID ARTERIES, radiography/ CAVERNOUS SINUS, abnormalities/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIES, radiography/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, physiopathology/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, radiography/ *EXOPHTHALMOS, etiology/ EXOPHTHALMOS, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ SUBARACHNOID HEMORRHAGE, etiology/ SUBARACHNOID HEMORRHAGE, physiopathology

2465. **Manaranche R, L'Hermite P:** Etude des amines biogènes de Glycera convoluta K. (Annélide Polychète.
Z Zellforsch Mikrosk Anat 137:21-36, 9 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ *ANNELIDA, analysis/ *BIOGENIC AMINES, analysis/ BIOGENIC AMINES, metabolism/ CATECHOLAMINES/ CHROMATOGRAPHY/ DOPAMINE/ ENGLISH ABSTRACT/ EPINEPHRINE/ FLUORESCENCE/ FLUOROMETRY/ HISTOCYTOCHEMISTRY/ LIPIDS/ MICROSCOPY, FLUORESCENCE/ *NERVOUS SYSTEM, analysis/ NOREPINEPHRINE/ PROTEINS/ RATS/ SEROTONIN/ SPECTROPHOTOMETRY/ TIME FACTORS/ TRITIUM/ TYROSINE/ VAS DEFERENS

2466. **Mandelli F, Amadori S, De Laurenzi A, et al:** Aspetti clinici, eritrocinetici e metabolici della anemia emolitica congenita non sferocitica da carenza di glicoso-6-fosfatodeidrogenasi eritrocitaria.
Recent Prog Med (Roma) 54:23-43, Jan 73 (Ita)
*ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC, etiology/ ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC, familial & genetic/ ENGLISH ABSTRACT/ *ERYTHROCYTES, enzymology/ FEMALE/ *GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY, complications/ GLUCOSEPHOSPHATE DEHY-DROGENASE DEFICIENCY, familial & genetic/ HETEROZYGOTE/ HUMAN/ MALE/ PEDIGREE/ SEX CHROMOSOMES

2467. **Maneckjee R, Moudgal NR:** Differential threshold of progesterone required for maintenance of diestrus smear, pseudopregnancy and pregnancy in rats
Proc Soc Exp Biol Med 143:69-72, May 73
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ LEUKOCYTES, metabolism/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ *PROGESTERONE, physiology/ PROGESTERONE, secretion/ *PSEUDOPREGNANCY/ RATS

2468. **Manes JL, Taylor HB:** Thymic carcinoid in familia multiple endocrine adenomatosis.
Arch Pathol 95:252-5, Apr 73
ADENOMA, CHROMOPHOBE, familial & genetic/ *ADENOMATOSIS, FAMILIAL ENDOCRINE, pathology/ ADULT/ BIOPSY/ *CARCINOID TUMOR, pathology/ CYTOPLASM/ CYTOPLASMIC GRANULES/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/

HYPERPARATHYROIDISM, familial & genetic/ MALE/ MICROSCOPY, ELECTRON/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ PARATHYROID GLANDS, pathology/ PEDIGREE/ PITUITARY NEOPLASMS, familial & genetic/ *THYMUS NEOPLASMS, pathology

2469. **Man'kovskiĭ NB, Kuznetsova SM:** Osobennosti obmena serotina u lits starshikb vozrastnykh grupp.
Zh Nevropatol Psikhiatr 72:1292-7, 1972 **(Rus)**
AGED/ *AGING/ BRAIN CHEMISTRY/ CENTRAL NERVOUS SYSTEM, physiology/ CEREBRAL ARTERIOSCLEROSIS, metabolism/ DIENCEPHALON, physiology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ MIDDLE AGE/ RETICULAR FORMATION, physiology/ SEROTONIN, blood/ *SEROTONIN, metabolism/ TRANYLCYPROMINE, pharmacodynamics

2470. **Mann DR, Barraclough CA:** Changes in peripheral plasma progesterone during the rat 4-day estrous cycle: an adrenal diurnal rhythm.
Proc Soc Exp Biol Med 142:1226-9, Apr 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ *CIRCADIAN RHYTHM/ *ESTRUS/ FEMALE/ OVARY, physiology/ OVARY, secretion/ *PROGESTERONE, blood/ PROGESTERONE, secretion/ RATS

2471. **Manny J, Floman Y, Licht A, et al:** Unusual gallstone disease.
Arch Surg 106:644-50, May 73
AGED/ ALKALINE PHOSPHATASE, blood/ AMPICILLIN, therapeutic use/ ASPARTATE AMINOTRANSFERASE, blood/ BILIRUBIN, blood/ BIOPSY, NEEDLE/ CHOLANGIOGRAPHY/ *CHOLELITHIASIS, complications/ CHOLELITHIASIS, diagnosis/ *EMACIATION, etiology/ FEMALE/ *FEVER, etiology/ *HEPATOMEGALY, etiology/ HUMAN/ KANAMYCIN, therapeutic use/ LIVER CIRRHOSIS, complications/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RADIOISOTOPE SCANNING/ *SPLENOMEGALY, etiology

2472. **Manny J, Merin G, Rozin RR, et al:** Ovarian hemorrhage complicating anticoagulant therapy.
Obstet Gynecol 41:512-4, Apr 73
ADOLESCENCE/ ADULT/ ANTICOAGULANTS, adverse effects/ FEMALE/ HEART SEPTAL DEFECTS, ATRIAL, surgery/ HEART SURGERY/ HEMODIALYSIS/ *HEMOPERITONEUM, chemically induced/ HEMOPERITONEUM, diagnosis/ HEMOPERITONEUM, surgery/ *HEMORRHAGE, chemically induced/ HEPARIN, therapeutic use/ HUMAN/ *OVARIAN CYSTS, complications/ OVARY, surgery/ RUPTURE/ WARFARIN, therapeutic use

2473. **Manocha SL, Perachio AA:** Histochemical correlates of changes in the primate brain associated with varying environmental light conditions.
Histochemie 34:217-25, 1973
*BRAIN, enzymology/ CEREBELLAR CORTEX, enzymology/ CHOROID PLEXUS, enzymology/ EPENDYMA, enzymology/ ESTERASES, analysis/ FEMALE/ GENICULATE BODIES, enzymology/ HISTOCYTOCHEMISTRY/ LACTATE DEHYDROGENASE, analysis/ *LIGHT/ MALE/ MONKEYS/ MONOAMINE OXIDASE, analysis/ PINEAL BODY, enzymology/ RETICULAR FORMATION, enzymology/ SUCCINATE DEHYDROGENASE, analysis/ SUPERIOR COLLICULUS, enzymology/ TIME FACTORS/ VESTIBULAR NUCLEI, enzymology

2474. **Manuilova IA, Bagramian ER:** Endokrinologiia beremennosti (obzor literatury.
Vopr Okhr Materin Det 17:38-42, Nov 72 **(Rus)**
ADRENAL CORTEX HORMONES, secretion/ ESTROGENS, secretion/ FEMALE/ GONADOTROPINS, CHORIONIC, secretion/ *HORMONES, secretion/ HUMAN/ PLACENTA, metabolism/ *PREGNANCY/ PROGESTERONE, secretion/ REVIEW/ SOMATOTROPIN, secretion

2475. **Manuilova IA, Shakhova AD, Bass ZhZh:** Funktsiia kopy nadpochechnikov u zhenshchin pri alimentarnoi forme ozhireniia.
Akush Ginekol (Mosk) 49:23-8, Jan 73 **(Rus)**
ADIPOSE TISSUE, metabolism/ ADOLESCENCE/ ADULT/ DIETARY CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ EATING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ *OBESITY, metabolism/ *PITUITARY-ADRENAL FUNCTION TESTS

2476. **Manzitti E, Lavin JR:** Le glaucome congénital dans le syndrome de Rubinstein-Taybi.
Ann Ocul (Paris) 205:1005-12, Sep 72 **(Fre)**
*ABNORMALITIES, MULTIPLE/ BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EYE, abnormalities/ FACE, abnormalities/ FEMALE/ *GLAUCOMA, congenital/ GLAUCOMA, diagnosis/ GONIOSCOPY/ HUMAN/ INFANT/ MALE/ *MENTAL RETARDATION/ RUBINSTEIN-TAYBI SYNDROME, complications/ TONOMETRY

2477. **Marcanik J, Gerebtzoff MA:** Etude histoenzymologique des lésions hypothalamiques aiguës chez la souris traitée par l'aurothioglucose.
Acta Neurol Belg 73:63-8, Jan-Feb 73 **(Fre)**
*ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ AUROTHIOGLUCOSE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *GOLD, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ MICE/ NEURONS, metabolism/ *OXIDOREDUCTASES, metabolism/ TIME FACTORS

2478. **Marcinkowski T:** Post-mortem changes in male sex glands.
Forensic Sci 2:241-4, May 73
ADOLESCENCE/ ADULT/ AGED/ AUTOPSY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FORENSIC MEDICINE/ HUMAN/ MALE/ MIDDLE AGE/ *POSTMORTEM CHANGES/ SEASONS/ *TESTIS, pathology/ TIME FACTORS

2479. **Marcu C, Constantinescu I:** Date noi privind farmacodinamia zincului.
Fiziol Norm Patol 18:541-8, Nov-Dec 72 **(Rum)**
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ ENGLISH ABSTRACT/ HEART, drug effects/ HUMAN/ IN VITRO/ INTESTINES, drug effects/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ PANCREAS, metabolism/ RATS/ UTERUS, drug effects/ ZINC, metabolism/ *ZINC, pharmacodynamics/ ZINC, physiology

2480. **Marcussen H, Nerup J:** Fluorescent anti-colon and organ-specific antibodies in ulcerative colitis.
Scand J Gastroenterol 8:9-15, 1973
*ADRENAL GLANDS, immunology/ *ANTIBODIES/ *COLITIS, ULCERATIVE, immunology/ *COLON, immunology/ CROSS REACTIONS/ ENTERITIS, REGIONAL, immunology/ EPITHELIUM, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GASTRIC MUCOSA, immunology/ HUMAN/ MALE/ MONKEYS/ ORGAN SPECIFICITY/ RATS/ SEX FACTORS/ *THYROID GLAND, immunology

2481. **Marecek RL, Feldman JM:** Steady state glucose dynamics in hyperthyroid rabbits.
Res Commun Chem Pathol Pharmacol 5:493-504, Mar 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BODY WEIGHT/ CARBON ISOTOPES/ *GLUCOSE, metabolism/ *HYPERTHYROIDISM, metabolism/ INSULIN, blood/ KINETICS/ MALE/ THYROID GLAND,

physiology/ THYROIDECTOMY/ TIME FACTORS

2482. **Margileth DA, Smith FE, Lane M:** Sudden arterial occlusion associated with mithramycin therapy.
Cancer 31:708-12, Mar 73
ADULT/ *ARTERIAL OCCLUSIVE DISEASES, chemically induced/ HUMAN/ MALE/ MITHRAMYCIN, administration & dosage/ *MITHRAMYCIN, adverse effects/ MITHRAMYCIN, therapeutic use/ REMISSION/ TERATOID TUMOR, drug therapy/ TESTICULAR NEOPLASMS, drug therapy/ TIME FACTORS

2483. **Margolis MG:** Vitaminoterapiia v oftal'mologii.
Oftalmol Zh 27:624-30, 1972 (Rus)
ASCORBIC ACID, therapeutic use/ BIOFLAVONOIDS, therapeutic use/ DRUG SYNERGISM/ *EYE DISEASES, drug therapy/ FATTY ACIDS, ESSENTIAL, therapeutic use/ HUMAN/ NICOTINAMIDE, therapeutic use/ PANTOTHENIC ACID, therapeutic use/ PYRIDOXINE, therapeutic use/ REVIEW/ RIBOFLAVIN, therapeutic use/ THIAMINE, therapeutic use/ THIAMINE PYROPHOSPHATE, therapeutic use/ VITAMIN A, therapeutic use/ VITAMIN A DEFICIENCY/ VITAMIN B COMPLEX, therapeutic use/ VITAMIN B 12, therapeutic use/ VITAMIN B 12 DEFICIENCY/ VITAMIN D, therapeutic use/ VITAMIN E, therapeutic use/ VITAMIN K, therapeutic use/ *VITAMINS, therapeutic use

2484. **Margreth A, Salviati G, Carraro U:** Neural control on the activity of the calcium-transport system in sarcoplasmic reticulum of rat skeletal muscle.
Nature 241:285-6, 26 Jan 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MALE/ *MOTOR NEURONS, physiology/ MUSCLE DENERVATION/ MUSCLE PROTEINS, MUSCLES, cytology/ MUSCLES, enzymology/ *MUSCLES, innervation/ NERVE REGENERATION/ RATS/ SARCOPLASMIC RETICULUM, analysis/ *SARCOPLASMIC RETICULUM, metabolism/ SCIATIC NERVE, physiology

2485. **Mariam TW, Sterky G:** Severe rickets in infancy and childhood in Ethiopia.
J Pediatr 82:876-8, May 73
ATTITUDE/ CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/ ETHIOPIA/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PULMONARY HEART DISEASE, etiology/ PULMONARY HEART DISEASE, mortality/ RICKETS, complications/ RICKETS, etiology/ RICKETS, mortality/ *RICKETS, occurrence/ SUNLIGHT/ THORAX, abnormalities

2486. **Markiewicz L, Jankowski K, Grzesiuk L, et al:** Excretion of catecholamines, corticosteroids and 5-HIAA as related to the testing conditions, physical fitness and psychological variable of healthy subjects.
Acta Med Pol 14:51-68, 1973
*ADRENAL CORTEX HORMONES, urine/ ADULT/ *CATECHOLAMINES, urine/ FEMALE/ HUMAN/ *HYDROXYINDOLEACETIC ACID, urine/ MALE/ MMPI/ *PHYSICAL FITNESS/ *STRESS, PSYCHOLOGICAL

2487. **Markland C, Kedia K, Fraley EE:** Inadequate orchiectomy for patients with testicular tumors.
JAMA 224:1025-6, 14 May 73
ADULT/ BIOPSY/ CASTRATION/ HUMAN/ INGUINAL CANAL/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ SCROTUM/ *TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, surgery

2488. **Markuze II, Ambartsumian RG, Chibrikin VM, et al:** Issledovanie deĭstviia PMP na izmeneniia kontsentratsii élektrolitov v krovi i organakh zhivotnykh.
Izv Akad Nauk SSSR [Biol] 2:281-3, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ KIDNEY, metabolism/ LIVER, metabolism/ *MAGNETICS/ MICE/ MUSCLES, metabolism/ POTASSIUM, blood/ POTASSIUM, metabolism/ RATS/ SODIUM, blood/ *SODIUM, metabolism

2489. **Marois M, Marois G:** La différenciation sexuelle somatique de foetus de rats. Action du clomifène sur les foetus dont les mères sont traitées par l'oestradiol ou le propionate de testostérone.
J Gynecol Obstet Biol Reprod (Paris) 1:781-94, Dec 72 (Fre)
ANIMAL EXPERIMENTS/ *CLOMIPHENE, pharmacodynamics/ DRUG ANTAGONISM/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ *FETUS, drug effects/ *GENITALIA, drug effects/ GENITALIA, FEMALE, drug effects/ GENITALIA, MALE, drug effects/ MORPHOGENESIS, drug effects/ PREGNANCY/ RATS/ *SEX DIFFERENTIATION DISORDERS, chemically induced/ *TESTOSTERONE, pharmacodynamics

2490. **Maroni G, Plaut W:** Dosage compensation in Drosophila melanogaster triploids. I. Autoradiographic study.
Chromosoma 40:361-77, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DNA/ *DROSOPHILA MELANOGASTER/ FEMALE/ GENES/ HERMAPHRODITISM/ LARVA/ LINKAGE (GENETICS)/ MALE/ MICROSCOPY, PHASE CONTRAST/ *POLYPLOIDY/ REGRESSION ANALYSIS/ RNA, biosynthesis/ SEX CHROMOSOMES/ TRANSCRIPTION, GENETIC/ TRITIUM/ URIDINE, metabolism

2491. **Marqués Sala R:** Reacciones defensivas e hiperactividad por falta de energía.
Rev Esp Anestesiol Reanim 20:51-60, Jan 73 (Spa)
*IMMUNITY/ *NERVOUS SYSTEM, physiology/ *STRESS

2492. **Marquié G, Agid R:** Effets protecteurs de la metformine (NN-diméthylbiguanide) sur l'hypothyroïdie et l'infiltration lipidique du cortex surrénal, induites par le régime cholestérolé chez le lapin.
Pathol Biol (Paris) 21:133-9, Feb 73 (Fre)
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *CHOLESTEROL, pharmacodynamics/ DIET, ATHEROGENIC/ ENGLISH ABSTRACT/ *HYPOTHYROIDISM, prevention & control/ INSULIN, pharmacodynamics/ *LIPIDS, metabolism/ *METFORMIN, therapeutic use/ RABBITS/ SULFONYLUREA COMPOUNDS, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism

2493. **Marrazzi MA, Matschinsky FM:** Properties of 15-hydroxy prostaglandin dehydrogenase: structural requirements for substrate binding.
Prostaglandins 1:373-88, May 72
ALCOHOL OXIDOREDUCTASES, antagonists & inhibitors/ ALCOHOL OXIDOREDUCTASES, isolation & purification/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ FATTY ACIDS/ FATTY ACIDS, UNSATURATED/ GLUTAMATE DEHYDROGENASE, antagonists & inhibitors/ HYDROGEN-ION CONCENTRATION/ LUNG, enzymology/ NAD/ PHLORETIN/ PROSTAGLANDINS/ SPECIAL LIST REPRODUCTION/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE

2494. **Marrazzi MA, Shaw JE, Tao FT, et al:** Reversibility of 15-OH prostaglandin dehydrogenase from swine lung.
Prostaglandins 1:389-95, May 72
ALCOHOL OXIDOREDUCTASES, metabolism/

CATTLE/ ELECTROPHORESIS, DISK/ FLUOROMETRY/ HYDROXYLATION/ LUNG, enzymology/ MASS SPECTRUM ANALYSIS/ NAD/ PROSTAGLANDINS/ SERUM ALBUMIN, BOVINE/ SPECIAL LIST REPRODUCTION/ SWINE/ ULTRACENTRIFUGATION

2495. Marriq P, Vigouroux RP, Poisson J, et al: L'intérêt de l'hypophysectomie par voie transphénoidale dans le traitement de la maladie de Cushing.
Mars Med 109:789-95, 1972 (Fre)
ADULT/ *CUSHING'S SYNDROME, therapy/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ METHODS

2496. Marsboom R: Toxicologic studies on mebendazole.
Toxicol Appl Pharmacol 24:371-7, Mar 73
ANIMAL EXPERIMENTS/ *ANTHELMINTICS, toxicity/ APPETITE/ BEHAVIOR, ANIMAL, drug effects/ *BENZIMIDAZOLES, toxicity/ BENZOATES, toxicity/ BODY TEMPERATURE, drug effects/ BODY WEIGHT/ CARBAMATES, toxicity/ CHICKENS/ DEFECATION, drug effects/ DOGS/ FEMALE/ HEART RATE, drug effects/ HORSES/ LETHAL DOSE 50/ LIVER, drug effects/ MALE/ MICE/ ORGAN WEIGHT/ RESPIRATION, drug effects/ SHEEP/ TESTIS, drug effects/ TIME FACTORS/ URINATION, drug effects

2497. Marschall C, Gist DH: Glycolytic and lipolytic effects of ovine FSH and estradiol-17 in the lizard Anolis carolinensis. Gen Comp Endocrinol 20:407-12, Apr 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, pharmacodynamics/ *GLYCOLYSIS, drug effects/ *LIPID MOBILIZATION, drug effects/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ *LIZARDS/ ORGAN WEIGHT/ OVARY, drug effects/ OVIDUCTS, drug effects/ SEASONS

2498. Marsden CA, Guldberg HC: The role of monoamines in rotation induced or potentiated by amphetamine after nigral, raphe and mesencephalic reticular lesions in the rat brain. Neuropharmacology 12:195-211, Mar 73
*AMINES, metabolism/ AMPHETAMINE/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BRAIN, metabolism/ *BRAIN INJURIES, ACUTE, physiopathology/ CATALEPSY, chemically induced/ CEREBRAL CORTEX, metabolism/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ HALOPERIDOL, pharmacodynamics/ MALE/ *MESENCEPHALON, injuries/ METHYLTYROSINES, pharmacodynamics/ *MOTOR ACTIVITY/ NOREPINEPHRINE, metabolism/ RATS/ *RETICULAR FORMATION, injuries/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ *SUBSTANTIA NIGRA, injuries

2499. Marsh JM, Mills TM, Lemaire WJ: Preovulatory changes in the synthesis of cyclic AMP by rabbit Graafian follicles.
Biochim Biophys Acta 304:197-202, 30 Mar 73
ADENINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ COITUS/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, metabolism/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IN VITRO/ INJECTIONS/ LH, pharmacodynamics/ MALE/ *OVULATION/ OVULATION, drug effects/ RABBITS/ SODIUM CHLORIDE, administration & dosage/ TIME FACTORS/ TRITIUM

2500. Marshall IG, Singh H, Paul D: The neuromuscular and other blocking actions of 4,17a-dimethyl-4,17a-diaza-D-homo-5 -androstane dimethiodide.
J Pharm Pharmacol 24:Suppl:146P, Dec 72
*ANDROSTANES/ ANIMAL EXPERIMENTS/ AZA COMPOUNDS/ BLOOD PRESSURE, drug effects/ CATS/ CHICKENS/ GANGLIONIC BLOCKADERS, pharmacodynamics/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *NEUROMUSCULAR DEPOLARIZING AGENTS/ RATS/ TUBOCURARINE, pharmacodynamics

2501. Marshall JC, Anderson DC, Fraser TR, et al: Human luteinizing hormone in man: studies of metabolism and biological action. J Endocrinol 56:431-9, Mar 73
ANDROGENS, blood/ CIRCADIAN RHYTHM/ FSH, blood/ HALF-LIFE/ HUMAN/ LH, blood/ *LH, metabolism/ LH, pharmacodynamics/ LH, urine/ MALE/ RADIOIMMUNOASSAY/ TESTIS, drug effects/ TESTIS, secretion/ TESTOSTERONE, secretion

2502. Marshall JM, Kroeger EA: Adrenergic influences on uterine smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:135-48, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CHLORIDES, pharmacodynamics/ FEMALE/ IN VITRO/ IPROVERATRIL, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LANTHANUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ OUABAIN, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PREGNANCY/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC/ TEMPERATURE/ UTERUS, drug effects/ UTERUS, metabolism/ UTERUS, physiology

2503. Marsov GN: O putiakh uluchshenila diagnostiki zlokachestvennykh opukholeĭ laichnikov.
Vopr Onkol 19:109-18, 1973 (122 ref.) (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BLOOD GROUPS/ ERYSIPELAS, complications/ ETHNIC GROUPS/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ MARRIAGE/ MENOPAUSE/ MIDDLE AGE/ MUMPS, complications/ NEOPLASMS, RADIATION-INDUCED/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, therapy/ PARITY/ REVIEW/ SOCIAL CONDITIONS/ THYROID DISEASES, complications/ UNITED STATES/ UTERINE HEMORRHAGE, diagnosis

2504. Martin BR, Denton RM, Pask HT, et al: Mechanisms regulating adipose-tissue pyruvate dehydrogenase.
Biochem J 129:763-73, Sep 72
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ EPIDIDYMIS/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ KETONE OXIDOREDUCTASES, antagonists & inhibitors/ *KETONE OXIDOREDUCTASES, metabolism/ MALE/ MITOCHONDRIA, enzymology/ NICOTINIC ACID, pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PYRUVATES/ PYRUVATES, pharmacodynamics/ RATS

2505. Martin IL, Ansell GB: A sensitive gas chromatographic procedure for the estimation of noradrenaline, dopamine and 5-hydroxytryptamine in rat brain.
Biochem Pharmacol 22:521-33, 15 Feb 73
ADSORPTION/ ALCOHOLS, BUTYL/ ALKANES/ ANHYDRIDES/ ANIMAL

EXPERIMENTS/ BORATES/ *BRAIN CHEMISTRY/ BUFFERS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES/ *DOPAMINE, analysis/ ETHERS/ FLUORINE/ FLUOROMETRY/ GERM-FREE LIFE/ INDICATORS AND REAGENTS/ MALE/ MASS SPECTRUM ANALYSIS/ METHODS/ *NOREPINEPHRINE, analysis/ PHOSPHATES/ RATS/ *SEROTONIN, analysis

2506. **Martin JB, Kontor J, Mead P:** Plasma GH responses to hypothalamic, hippocampal and amygdaloid electrical stimulation: effects of variation in stimulus parameters and treatment with -methyl-p-tyrosine (-MT). Endocrinology 92:1354-61, May 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ MALE/ *METHYLTYROSINES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, blood/ TIME FACTORS

2507. **Martin L, Finn CA, Trinder G:** DNA synthesis in the endometrium of progesterone-treated mice. J Endocrinol 56:303-7, Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DEPRESSION, CHEMICAL/ *DNA, biosynthesis/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ EPITHELIAL CELLS, drug effects/ EPITHELIUM, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ MITOSIS/ *PROGESTERONE, pharmacodynamics/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TRITIUM

2508. **Martin L, Hallowes RC, Finn CA, et al:** Involvement of the uterine blood vessels in the refractory state of the uterine stroma which follows oestrogen stimulation in progesterone-treated mice. J Endocrinol 56:309-14, Feb 73
ANIMAL EXPERIMENTS/ *BLOOD VESSELS, drug effects/ CAPILLARIES, drug effects/ CAPILLARY PERMEABILITY, drug effects/ CASTRATION/ EDEMA, prevention & control/ ENDOTHELIUM, drug effects/ ESTRADIOL, administration & dosage/ ESTRADIOL, antagonists & inhibitors/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS/ MICE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ *PROGESTERONE, pharmacodynamics/ *UTERUS, blood supply/ UTERUS, drug effects/ VEINS, drug effects

2509. **Martio J, Isomäki H, Heikkola T, et al:** The effect of intra-articular osmic acid in juvenile rheumatoid arthritis. Scand J Rheumatol 1:5-8, 1972
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ *ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ KNEE, radiography/ KNEE JOINT/ LIDOCAINE, therapeutic use/ MALE/ OSMIUM, administration & dosage/ OSMIUM, adverse effects/ *OSMIUM, therapeutic use/ PRILOCAINE, therapeutic use

2510. **Martynova MI, Sapelkina LV, Tsyvil'skaia LA:** Gipotireoz u devochki, diltel'no stradaiushchef sakharnym diabetom. Vopr Okhr Materin Det 17:76-8, Nov 72 **(Rus)**
ADOLESCENCE/ *DIABETES MELLITUS, JUVENILE, complications/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications

2511. **Marx SJ, Powell D, Shimkin PM, et al:** Familial hyperparathyroidism. Mild hypercalcemia in at least nine members of a kindred. Ann Intern Med 78:371-7, Mar 73
ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADENOMATOSIS, FAMILIAL ENDOCRINE, surgery/ ADULT/ CATHETERIZATION/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ GASTRIN, blood/ HUMAN/ *HYPERCALCEMIA, familial & genetic/ *HYPERPARATHYROIDISM, familial & genetic/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PEDIGREE/ THYROID GLAND, blood supply

2512. **Marya RK:** Hypercalcemic crisis: diagnosis and treatment. Indian J Med Sci 27:51-6, Jan 73
BONE NEOPLASMS, complications/ HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, complications/ NEOPLASM METASTASIS/ NEOPLASMS, complications

2513. **Marzotto A, Manani G, Galzigna L:** Interference of uranyl chloride with structure and function of molecules active at the central nervous system level. Int J Vitam Nutr Res 43:3-11, 1973
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CENTRAL NERVOUS SYSTEM, drug effects/ *CENTRAL NERVOUS SYSTEM, physiology/ CHLORIDES, pharmacodynamics/ ILEUM, physiology/ IN VITRO/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, innervation/ *MUSCLE, SMOOTH, physiology/ NEURAL TRANSMISSION, drug effects/ OXYGEN CONSUMPTION/ PYRUVATES, metabolism/ RABBITS/ RATS/ SPECTROPHOTOMETRY/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THIAMINE, pharmacodynamics/ *URANIUM, pharmacodynamics

2514. **Masaoka A:** [Effect of thymus surgery on myasthenia gravis and complications of thymoma] J Jap Assoc Thorac Surg 20:201, Mar 72 **(Jap)**
HUMAN/ MYASTHENIA GRAVIS, complications/ *MYASTHENIA GRAVIS, therapy/ *THYMECTOMY/ *THYMOMA, complications/ *THYMUS NEOPLASMS, complications

2515. **Maskrey M, Bligh J:** The impairment of the thermoregulatory 'set-point' of a sheep in the apparent absence of any interference with the pathways between temperature sensors and thermoregulatory effectors. Experientia 28:794-5, 15 Jul 72
ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ *BODY TEMPERATURE REGULATION/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS/ PYROGENS, pharmacodynamics/ SHEEP/ THERMORECEPTORS

2516. **Mason BD, Krishnamurti CR, Kitts WD:** Oestrone and oestradiol in jugular vein plasma during the oestrous cycle of the cow. J Endocrinol 55:141-6, Oct 72
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRADIOL, blood/ *ESTRONE, blood/ *ESTRUS/ FEMALE/ FLUORESCENCE SPECTROMETRY/ JUGULAR VEIN/ PHYSIOLOGY, COMPARATIVE/ RADIOIMMUNOASSAY/ SHEEP

2517. **Masson GM:** Plasma oestriol concentration during normal pregnancy. J Obstet Gynaecol Br Commonw 80:201-5, Mar 73
ADULT/ BIRTH WEIGHT/ *ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MALE/ MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PARITY/ PLACENTA, anatomy & histology/ PLACENTA, physiology/ *PREGNANCY/ RADIOIMMUNOASSAY

2518. **Masson GM:** Plasma oestriol in pre-eclampsia. J Obstet Gynaecol Br Commonw 80:206-9, Mar 73
ALBUMINURIA, complications/ BLOOD PRESSURE/ *ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ METHODS/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/

PREGNANCY TOXEMIAS, diagnosis/ RADIOIMMUNOASSAY

519. **Massry SG, Coburn JW, Lee DB, et al:** Skeletal resistance to parathyroid hormone in renal failure. Studies in 105 human subjects.
Ann Intern Med 78:357-64, Mar 73
ANTIGENS/ *BONE AND BONES, metabolism/ BONE RESORPTION, complications/ CALCIUM, blood/ *CALCIUM, metabolism/ HEMODIALYSIS/ HUMAN/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, physiopathology/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, urine/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ TRANSPLANTATION, HOMOLOGOUS

520. **Masuda M, Matsuo Y:** Gehirn und Ulkus.
Fortschr Med 91:509-12, 26 Apr 73 (Ger)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GASTRIC MUCOSA, pathology/ GASTRIN, administration & dosage/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ HEMORRHAGE, GASTROINTESTINAL, etiology/ *HYPOTHALAMUS, physiopathology/ INJECTIONS, INTRAVENOUS/ RATS/ STIMULATION, CHEMICAL/ STOMACH ULCER, chemically induced/ *STOMACH ULCER, etiology/ STOMACH ULCER, physiopathology

521. **Maszewska-Kuźniarz K, Lenik J:** Zespół Silvera i Russela u 18-miesięcznej dziewczynki.
Wiad Lek 26:565-7, 15 Mar 73 (Pol)
*ABNORMALITIES, MULTIPLE/ *CRANIOFACIAL DYSOSTOSIS/ DERMATOGLYPHICS/ *DWARFISM/ FEMALE/ HUMAN/ INFANT

522. **Matalon M, Modan M, Paz B, et al:** [Trophoblastic disorders in Israel]
Harefuah 83:566-8, 15 Dec 72 (Heb)
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHORIOADENOMA, occurrence/ CHORIOCARCINOMA, occurrence/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDATIDIFORM MOLE, occurrence/ ISRAEL/ JEWS/ MIDDLE AGE/ PREGNANCY/ *TROPHOBLASTIC TUMOR, occurrence

523. **Mateos-Gómez JL:** Introduccion al seminario sobre prostaglandinas.
Arch Invest Med (Mex) 3:Suppl 1:149-50, 1972 (Spa)
HUMAN/ MALE/ *PROSTAGLANDINS

524. **Matera R, Ríos E, Barbosa E, et al:** Hipotalamotomía estereotáxica en la agresividad.
Acta Neurol Lat Am 18:96-9, 1972 (Spa)
*AGGRESSION/ ENGLISH ABSTRACT/ *EPILEPSY, surgery/ EPILEPSY, TEMPORAL LOBE, surgery/ HUMAN/ *HYPOTHALAMUS, surgery/ METHODS/ *SOCIOPATHIC PERSONALITY/ *STEREOTAXIC TECHNICS

525. **Mathernová V, Catár G, Janotka M, et al:** Koincidencia toxoplazmozy a tyreotoxikozy.
Bratisl Lek Listy 59:321-7, 1973 (Slo)
ADULT/ COMPLEMENT FIXATION TESTS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ *TOXOPLASMOSIS, complications/ TOXOPLASMOSIS, diagnosis/ TOXOPLASMOSIS, etiology

526. **Mathie F, Salzer GM:** Zur Atiologie der Zenkerschen Osophagusdivertikel.
Zentralbl Chir 98:200-4, 9 Feb 73 (Ger)
AUSTRIA/ *ESOPHAGEAL DIVERTICULA, etiology/ ESOPHAGEAL DIVERTICULA, occurrence/ FEMALE/ GOITER, surgery/ HUMAN/ MALE/ SEX FACTORS/ THYROIDECTOMY, adverse effects

527. **Mati JK, Horrobin DF, Bramley PS:** Induction of labour in sheep and in humans by single doses of corticosteroids. Br Med J 2:149-51, 21 Apr 73
ADULT/ AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ *BETAMETHASONE, pharmacodynamics/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ FETUS, drug effects/ HUMAN/ INJECTIONS/ *LABOR, INDUCED/ LUNG, drug effects/ LUNG, embryology/ PREGNANCY/ SHEEP

2528. **Matkovics B:** In vitro transformation of steroids as a substitute of microbial transformation.
Steroids Lipids Res 3:1-7, 1972 (15 ref.)
ASCORBIC ACID/ BIOTRANSFORMATION/ CATALASE/ CHEMISTRY/ CHOLIC ACID/ DEHYDROEPIANDROSTERONE/ DEOXYCHOLIC ACID/ ESTRADIOL/ ESTRIOL/ ESTRONE/ HYDROLYSIS/ HYDROXYLATION/ IODINE ISOTOPES/ IRON/ LIPIDS/ OXIDOREDUCTASES/ RADIATION EFFECTS/ REVIEW/ *STEROIDS/ STEROIDS, radiation effects/ ULTRAVIOLET RAYS/ XANTHINE OXIDASE

2529. **Matkovics B, Rajki SE, Szönyi DG:** Steroids. XX. Non-specific enzymic hydroxylation of aromatic steroids. 19. In vitro hydroxylation and transformations. Steroids Lipids Res 3:118-24, 1972
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ ASCORBIC ACID/ CATALASE/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ DIPHENOL OXIDASES/ ESTRADIOL, metabolism/ ESTRIOL, metabolism/ *ESTROGENS, metabolism/ ESTRONE, metabolism/ HYDROXYLATION/ HYDROXYSTEROIDS, metabolism/ LINOLEIC ACID/ LIVER, enzymology/ MILK, enzymology/ *OXIDOREDUCTASES/ *OXYGENASES/ *PEROXIDASES/ PLANTS, enzymology/ *TYROSINE HYDROXYLASE/ XANTHINE OXIDASE

2530. **Matlina ESh, Zutler AS:** Vliianie vvedeniia DOFA na obmen katekholaminov u krys v usloviiakh fizicheskoĭ nagruzki (plavanie.
Probl Endokrinol (Mosk) 19:80-4, Jan-Feb 73 (Rus)
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, blood/ *CATECHOLAMINES, metabolism/ DOPA, blood/ DOPA, metabolism/ *DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, blood/ EPINEPHRINE, metabolism/ *EXERTION/ HEART, drug effects/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ MALE/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, blood/ NORMETANEPHRINE, metabolism/ RATS/ SWIMMING

2531. **Mats AN, Morein EM, Nikolaeva GM:** Ispol'zovanie laboratornykh myshei dlia bakteriologicheskoĭ diagnostiki tuberkuleza.
Probl Tuberk 50:70-3, 1972 (Rus)
ANIMAL EXPERIMENTS/ *BACTERIOLOGICAL TECHNICS/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ MICE/ MYCOBACTERIUM TUBERCULOSIS, isolation & purification/ SPUTUM, microbiology/ TUBERCULOSIS, diagnosis/ *TUBERCULOSIS, microbiology

2532. **Matsumoto Y, Tsujimura M:** [Function of fetal adrenal cortex]
Clin Endocrinol (Tokyo) 21:157-64, Feb 73 (34 ref.) (Jap)
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ESTRADIOL, analysis/ ESTRADIOL, biosynthesis/ ESTRIOL, analysis/ ESTRIOL, biosynthesis/ ESTRIOL, metabolism/ FEMALE/ FETUS/ HUMAN/ HYDROCORTISONE, metabolism/ MICE/ PLACENTA, physiology/

PREGNANCY/ PROGESTERONE, analysis/ PROGESTERONE, biosynthesis/ RABBITS/ RATS/ REVIEW

2533. **Matsuzaki S:** [Growth hormone (GH)]
Clin Endocrinol (Tokyo) 21:129-35, Feb 73 (41 ref.) (Jap)
FEMALE/ FETUS, growth & development/ FETUS, physiology/ HUMAN/ INFANT, NEWBORN/ INSULIN, blood/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, embryology/ PREGNANCY/ REVIEW/ SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ UMBILICAL CORD

2534. **Matthews EK, Legros JJ, Grau JD, et al:** Release of neurohypophysial hormones by exocytosis.
Nature [New Biol] 241:86-8, 17 Jan 73
ANIMAL EXPERIMENTS/ *CELLS, secretion/ EXOCYTOSIS/ IN VITRO/ LACTATE DEHYDROGENASE, secretion/ LANTHANUM, pharmacodynamics/ NEUROPHYSINS, secretion/ OXYTOCIN, secretion/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, secretion/ *PITUITARY HORMONES, secretion/ POTASSIUM CHLORIDE, pharmacodynamics/ RATS

2535. **Matthews MJ, Benson B:** Inactivation of pineal antigonadotrophin by proteolytic enzymes.
J Endocrinol 56:339-40, Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ CHYMOTRYPSIN/ FEMALE/ *GONADOTROPINS, antagonists & inhibitors/ MALE/ MICE/ ORGAN WEIGHT/ OVARY, drug effects/ *PEPTIDE PEPTIDOHYDROLASES/ PEPTIDES, pharmacodynamics/ *PINEAL BODY/ PROSTATE, drug effects/ *TISSUE EXTRACTS, pharmacodynamics/ TRYPSIN

2536. **Matthey R:** Chromosomes and evalution.
Triangle 11:107-12, 1972
CHROMOSOME ABERRATIONS/ *CHROMOSOMES/ *EVOLUTION/ *MUTATION/ SEX CHROMOSOMES

2537. **Matthiessen D, Möllmann H, Knoche H:** Das unterschiedliche Bild organspezifischer Strukturen im Glomus caroticum und Nebennierenmark.
Z Zellforsch Mikrosk Anat 138:133-54, 21 Mar 73 (Ger)
*ADRENAL MEDULLA, cytology/ ANIMAL EXPERIMENTS/ AXONS/ *CAROTID BODY, cytology/ CATS/ *CELLULAR INCLUSIONS/ CHEMORECEPTORS, cytology/ CHROMATIN/ CYTOLOGICAL TECHNICS/ *CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ RABBITS/ RIBOSOMES/ SYNAPSES, cytology/ SYNAPTIC VESICLES

2538. **Matute ML, Kalkhoff RK:** Sex steroid influence on hepatic gluconeogenesis and glucogen formation.
Endocrinology 92:762-8, Mar 73
ALANINE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GLUCONEOGENESIS, drug effects/ *GLYCOGEN, biosynthesis/ INSULIN, blood/ LIVER, drug effects/ *LIVER, metabolism/ ORGAN WEIGHT/ *PROGESTERONE, pharmacodynamics/ PYRUVATES, metabolism/ RATS

2539. **Maurer HJ, Jensen T, Maurer B:** Heterotoper Nebennierenrindentumor (echtes Hypernephrom?) mit Cushing-Syndrom.
God Zb Med Fak Skopje 118:273-9, Mar 73 (Ger)
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, radiography/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ *CUSHING'S SYNDROME, complications/ CUSHING'S SYNDROME, radiography/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, MALIGNANT, complications/ MALE/ TIME FACTORS/ UROGRAPHY

2540. **Maurer HR, Dati FA:** Spectral, chemical and template properties of mouse and rat uterine chromatin after in vivo administration of estradiol.
Life Sci [II] 11:753-62, 8 Aug 72
ANIMAL EXPERIMENTS/ CHROMATIN, analysis/ *CHROMATIN, drug effects/ CHROMATIN, metabolism/ DNA, analysis/ DNA, metabolism/ ESCHERICHIA COLI, enzymology/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HISTONES, analysis/ INJECTIONS, INTRAPERITONEAL/ INTESTINES, cytology/ MICE/ NUCLEOPROTEINS, analysis/ ORGAN WEIGHT/ RATS/ RNA, analysis/ RNA, biosynthesis/ RNA NUCLEOTIDYL-TRANSFERASES, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPLATES/ THYMUS GLAND/ *UTERUS, cytology/ VIBRATION

2541. **Mawer EB, Taylor CM, Backhouse J, et al:** Failure of formation of 1,25-dihydroxycholecalciferol in chronic renal insufficiency. Lancet 1:626-8, 24 Mar 73
CALCIUM, metabolism/ CARBON ISOTOPES/ *CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ HUMAN/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ INTESTINAL ABSORPTION/ *KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY FAILURE, CHRONIC, metabolism/ OSTEOMALACIA, etiology/ *RENAL OSTEODYSTROPHY, metabolism/ TRITIUM/ *VITAMIN D DEFICIENCY, complications

2542. **Max MH, Wolff M, Broell JR, et al:** The effect o long-term steroid therapy on the histopathology o regional enteritis. J Surg Res 14:124-32, Feb 7
ADOLESCENCE/ ADULT/ COLON, surgery/ ENTERITIS, REGIONAL, diagnosis/ ENTERITIS, REGIONAL, drug therapy/ *ENTERITIS, REGIONAL, pathology/ ENTERITIS, REGIONAL, surgery/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ ILEUM, surgery/ MALE/ MIDDLE AGE/ PREDNISONE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ TIME FACTORS

2543. **Mayer BW, Smith DS, Hayden MJ:** Acute smok inhalation in children.
Am Fam Physician 7:80-4, Apr 73
*ANOXIA, therapy/ ANTIBIOTICS, therapeutic use/ ATELECTASIS, drug therapy/ CARBON MONOXIDE POISONING, drug therapy/ *CARBON MONOXIDE POISONING, therapy/ CHILD/ CHILD, PRESCHOOL/ DEXAMETHASONE, therapeutic use/ HUMAN/ INFANT/ INTUBATION, INTRATRACHEAL/ METHYLPREDNISOLONE, therapeutic use/ NITROGEN DIOXIDE, poisoning/ OXYGEN INHALATION THERAPY/ PNEUMONIA, drug therapy/ POSITIVE-PRESSURE RESPIRATION PULMONARY EDEMA, therapy/ RESPIRATION, ARTIFICIAL/ *RESPIRATORY INSUFFICIENCY, therapy/ SHOCK, therapy/ SMOKE/ SULFUR DIOXIDE, poisoning/ TIME FACTORS/ TRACHEOTOMY

2544. **Mayston PD, Barrowman JA:** Influence of chroni administration of pentagastrin on the pancreas i hypophysectomized rats.
Gastroenterology 64:391-9, Mar 73
ANIMAL EXPERIMENTS/ DNA, metabolism/ DUODENUM, drug effects/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ *PANCREAS, drug effects/ PANCREAS, metabolism/ *PENTAGASTRIN, administration & dosage/ PENTAGASTRIN, pharmacodynamics/ RATS/ RNA, metabolism/ STOMACH, drug effects

2545. **Maxis AL:** A new method of characterizing the primar structure of DNA: the use of a polynomial fc

describing the tendencies of the distribution of pyrimidine blocks of different lengths in DNA.
Mol Biol 6:435-43, Jul-Aug 72
ANIMAL EXPERIMENTS/ BASE SEQUENCE/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COLIPHAGES, analysis/ COMPUTERS, DIGITAL/ *DEOXYRIBONUCLEOTIDES/ *DNA/ DNA, analysis/ *DNA, BACTERIAL/ *DNA, VIRAL/ ESCHERICHIA COLI, analysis/ FISHES/ MALE/ MATHEMATICS/ NUCLEIC ACID CONFORMATION/ OCTOPUS/ OLIGONUCLEOTIDES, analysis/ PLANTS, analysis/ PYRIMIDINE NUCLEOTIDES/ REGRESSION ANALYSIS/ SPECIES SPECIFICITY/ SPLEEN, analysis/ TESTIS, analysis

546. **Mazzullo JM, Sundaresan PR:** Treatment of chronic obstructive pulmonary disease.
Ration Drug Ther 7:1-6, Feb 73
ANTI-INFECTIVE AGENTS, therapeutic use/ ANTITUSSIVE AGENTS, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *LUNG DISEASES, OBSTRUCTIVE, therapy/ RESPIRATION, ARTIFICIAL

547. **Meares EM Jr, Ho TL:** Metastatic carcinomas involving the testis: a review.
J Urol 109:653-5, Apr 73
*CARCINOMA, BRONCHOGENIC, diagnosis/ CARCINOMA, OAT CELL, diagnosis/ CARCINOMA, OAT CELL, pathology/ CARCINOMA, OAT CELL, radiotherapy/ CARCINOMA, OAT CELL, surgery/ CASTRATION/ HUMAN/ *LUNG NEOPLASMS, diagnosis/ LUNG NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

548. **Meckley PE, Ginther OJ:** Relationship of the vaginal smear to ovarian follicles and the uterus in postpartum Mongolian gerbils.
Lab Anim Sci 23:221-5, Apr 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ *GERBILS, physiology/ *GRAAFIAN FOLLICLE, growth & development/ LACTATION/ OVULATION/ PREGNANCY/ *PUERPERIUM/ *UTERUS, anatomy & histology/ UTERUS, physiology/ VAGINA, cytology/ *VAGINAL SMEARS

549. **Medeiros Neto GA:** Diagnóstico cintilográfico.
Rev Assoc Med Bras 19:77-8, Feb 73 (Por)
FEMALE/ *GOITER, NODULAR, diagnosis/ HUMAN/ MIDDLE AGE/ *RADIOISOTOPE SCANNING

550. **Medeiros Neto GA de:** Diagnóstico cintilográfico.
Rev Assoc Med Bras 19:127-8, Mar 73 (Por)
FEMALE/ *GOITER, diagnosis/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/ *RADIOISOTOPE SCANNING

551. **Meema HE:** The combined use of morphometric and microradioscopic methods in the diagnosis of metabolic bone diseases.
Radiologe 13:111-6, Mar 73
ACROMEGALY, radiography/ ADULT/ AGED/ *BONE DISEASES, radiography/ BONE RESORPTION/ ELBOW, radiography/ FEMALE/ HAND, radiography/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, radiography/ KIDNEY FAILURE, CHRONIC, therapy/ METHODS/ MICRORADIOGRAPHY/ MIDDLE AGE/ OSTEOPOROSIS, radiography

552. **Meer J van der:** Calcipen, Exluton en Sanabolicum.
Ned Tijdschr Geneeskd 117:690-1, 28 Apr 73 (Dut)
ADULT/ *CALCIUM, therapeutic use/ CONTRACEPTIVES, ORAL/ DELAYED-ACTION PREPARATIONS/ FEMALE/ HUMAN/ *LYNESTRENOL, pharmacodynamics/ MALE/ *NANDROLONE, pharmacodynamics/ *PENICILLIN, therapeutic use/ STAPHYLOCOCCAL INFECTIONS, drug therapy

2553. **Meffert O:** Der Effekt von Parathormon auf die Mineralisation des Rattennagezahnes.
Res Exp Med (Berl) 160:166-70, 1973 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, analysis/ DENTIN, analysis/ ENGLISH ABSTRACT/ *INCISOR, drug effects/ MALE/ MICRORADIOGRAPHY/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ TETRACYCLINE, diagnostic use/ TIME FACTORS/ *TOOTH CALCIFICATION, drug effects

2554. **Meier AH, Trobec TN, Haymaker HG, et al:** Daily variations in the effects of handling on fat storage and testicular weights in several vertebrates.
J Exp Zool 184:281-7, May 73
*ADIPOSE TISSUE, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CIRCADIAN RHYTHM/ CORTICOSTERONE, administration & dosage/ CORTICOSTERONE, pharmacodynamics/ FISHES/ *HANDLING (PSYCHOLOGY)/ INJECTIONS, SUBCUTANEOUS/ LIZARDS/ MALE/ MICE/ ORGAN WEIGHT/ QUAIL/ *TESTIS, anatomy & histology

2555. **Meijs-Roelofs HM:** Effect of electrical stimulation of the hypothalamus on the onset of puberty and ability to reproduce in female rats.
Acta Morphol Neerl Scand 10:385, Dec 72
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ FEMALE/ *HYPOTHALAMUS, physiology/ PREGNANCY/ *PUBERTY/ RATS/ *REPRODUCTION

2556. **Meinecke FW:** Aus Unfallakten.
Hirnverletzung--perniziöse Anämie--traumatische Hypophysenvorderlappeninsuffizienz.
Monatsschr Unfallheilkd 76:138-43, Mar 73 (Ger)
ACCIDENTS, TRAFFIC/ ADULT/ ANEMIA, HEMOLYTIC, ACQUIRED, chemically induced/ *ANEMIA, PERNICIOUS, etiology/ AUTOPSY/ BARBITURATES, adverse effects/ *BRAIN CONCUSSION, complications/ CONVULSIONS, complications/ DISABILITY EVALUATION/ *EXPERT TESTIMONY/ HUMAN/ MALARIA, complications/ MALE/ PHENACETIN, adverse effects/ *PITUITARY GLAND, injuries/ PSYCHOPHYSIOLOGIC DISORDERS, etiology/ SPINAL INJURIES

2557. **Meinhof W:** Probleme chronischer Hautkrankheiten.
Fortschr Med 91:567-9, 10 May 73 (Ger)
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ AMBULATORY CARE/ CHRONIC DISEASE/ DERMATITIS HERPETIFORMIS, drug therapy/ DERMATITIS MEDICAMENTOSA, etiology/ ERYTHRODERMA, drug therapy/ HUMAN/ LUPUS, diagnosis/ LUPUS, drug therapy/ METHOTREXATE, therapeutic use/ PEMPHIGUS, drug therapy/ PSORIASIS, drug therapy/ *SKIN DISEASES, therapy

2558. **Meis L de, Fialho de Mello MC:** Substrate regulation of membrane phosphorylation and of Ca 2+ transport in the sarcoplasmic reticulum.
J Biol Chem 248:3691-701, 25 May 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ INOSINE NUCLEOTIDES, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ MEMBRANES/ OSMOLAR CONCENTRATION/ *PHOSPHORIC ACIDS, metabolism/ POTASSIUM, pharmacodynamics/ RABBITS/ RIBONUCLEOTIDES, metabolism/ RIBONUCLEOTIDES, pharmacodynamics/ *SARCOPLASMIC RETICULUM, metabolism/ SODIUM, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP, enzymology/ TEMPERATURE

2559. **Meitner ER:** Bemerkungen zur komparativen Mikromorphologie der Initialund Finalstrecke der

neurosekretorischen Bahn des Menschen, des Hundes und der Ratte. Anat Anz 132:325-31, 1972 (Ger)
ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ DOGS/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ NEUROSECRETION/ *NEUROSECRETORY SYSTEMS, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, secretion/ RATS

2560. **Melander A, Sundler F:** Appearance of amine-containing mast cells in the mouse thyroid induced by the human long-acting thyroid stimulator (LATS). Endocrinology 92:1362-6, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ FEMALE/ HISTAMINE, analysis/ HUMAN/ LONG-ACTING THYROID STIMULATOR, administration & dosage/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ *MAST CELLS/ MAST CELLS, analysis/ MICE/ MICROSCOPY, FLUORESCENCE/ PLASMA/ RECEPTORS, DRUG/ SEROTONIN, analysis/ *THYROID GLAND, cytology/ THYROID GLAND, drug effects

2561. **Meligren SI, Srebro B:** Changes in acetylcholinesterase and distribution of degenerating fibres in the hippocampal region after septal lesions in the rat. Brain Res 52:19-36, 30 Mar 73
*ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ *HIPPOCAMPUS, enzymology/ HIPPOCAMPUS, physiology/ HISTOCYTOCHEMISTRY/ MALE/ *NERVE DEGENERATION/ PITUITARY GLAND, physiology/ RATS/ SEPTUM PELLUCIDUM, enzymology/ *SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNICS/ TIME FACTORS

2562. **Meltzer HY:** Effect of theophylline on alkaline phosphatase activity of denervated skeletal muscle fibers.
Res Commun Chem Pathol Pharmacol 5:539-42, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ DENERVATION/ IN VITRO/ MALE/ MUSCLES, drug effects/ *MUSCLES, enzymology/ MUSCLES, metabolism/ RATS/ SCIATIC NERVE, physiology/ *THEOPHYLLINE, pharmacodynamics

2563. **Menard J, Alexandre JM, Giudicelli JF, et al:** Lack of antihypertensive effects of chronic administration of DL-propranolol in Grollman rats.
Arch Int Pharmacodyn Ther 202:298-303, Apr 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BLOOD UREA NITROGEN/ HEART, drug effects/ HEMATOCRIT/ MALE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ POTASSIUM, blood/ *PROPRANOLOL, pharmacodynamics/ RATS/ RENIN, blood/ SODIUM, blood

2564. **Menard J, Catt KJ:** Effects of estrogen treatment on plasma renin parameters in the rat.
Endocrinology 92:1382-8, May 73
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ MALE/ RADIOIMMUNOASSAY/ RATS/ *RENIN, blood/ TIME FACTORS

2565. **Menczer J, Horovitz A, Brenner H, et al:** [Clinical pathological study of granulosatheca cell tumor]
Harefuah 83:571-3, 15 Dec 72 (Heb)
ADULT/ AGED/ CASTRATION/ FEMALE/ FOLLOW-UP STUDIES/ GRANULOSA CELL TUMOR, diagnosis/ *GRANULOSA CELL TUMOR, pathology/ GRANULOSA CELL TUMOR, surgery/ HUMAN/ ISRAEL/ JEWS/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ THECA CELL TUMOR, diagnosis/ *THECA CELL TUMOR, pathology/ THECA CELL TUMOR, surgery

2566. **Mendoza G, el-Tamer E, Degrossi OJ, et al:** Investigación de restos tiroideos post tiroidectomía total mediante la centellografía (cineto doce casos.
Rev Clin Esp 128:513-6, 31 Mar 73 (Spa)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, diagnosis/ *RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, surgery/ *THYROIDECTOMY

2567. **Mengel K, Meyer PB, Ebert R, et al:** A comparison of the antilipolytic effects of nicotinic acid, methylisoxazole carboxylic acid, methylpyrazole carboxylic acid and insulin in isolated fat cells.
Pharmacology 8:280-90, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ADRENAL CORTEX HORMONES, antagonists & inhibitors/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBOXYLIC ACIDS, pharmacodynamics/ COMPARATIVE STUDY/ EPIDIDYMIS, metabolism/ GLYCERIN, biosynthesis/ IN VITRO/ *INSULIN, pharmacodynamics/ *LIPIDS, metabolism/ MALE/ *NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ *OXAZOLES, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ *PYRAZOLES, pharmacodynamics/ RATS/ THEOPHYLLINE, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics

2568. **Menger W:** Möglichkeiten der Rehabilitation fü Kinder mit Asthma bronchiale.
Rehabilitation (Stuttg) 11:199-208, Nov 72 (Ger
ADOLESCENCE/ AGE FACTORS/ AIR POLLUTION/ ASTHMA, drug therapy/ *ASTHMA, rehabilitation/ ASTHMA, therapy/ CHILD/ CHILD, PRESCHOOL/ CLIMATE/ CORTISONE, therapeutic use/ DESENSITIZATION/ ENGLISH ABSTRACT/ GYMNASTICS/ HEALTH RESORTS/ HUMAN/ INFANT/ PSYCHOTHERAPY/ REHABILITATION, VOCATIONAL/ SEASONS/ WEATHER

2569. **Menisov AK:** Vliianie nekotorykh faktorov, izmeniaiushchikh obmen katekholaminov, na dinamiku neésterifitsirovannykh zhirnykh kislot pecheni i v krovi.
Probl Endokrinol (Mosk) 19:84-6, Jan-Feb 73 (Ru
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *ADRENOCHROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ *IPRONIAZID, pharmacodynamics/ LIPASE, blood/ LIPID MOBILIZATION, drug effects/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ *PYROGALLOL, pharmacodynamics/ RATS/ *RESERPINE, pharmacodynamics/ SEMICARBAZIDES, pharmacodynamics

2570. **Menkes CJ:** Le poignet des arthropathies métaboliqu
Rhumatologie 24:257-61, Aug-Sep 72 (Fr
ARTHRITIS, RHEUMATOID, diagnosis/ CHONDROCALCINOSIS, diagnosis/ GOUT, diagnosis/ HEMOCHROMATOSIS, diagnosis/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *JOINT DISEASES, diagnosis/ *METABOLIC DISEASES, diagnosis/ OCHRONOSIS, diagnosis/ *WRIST JOINT

2571. **Menkès J:** Traitement médical de la polyarthr rheumatoide.
Rev Chir Orthop 58:404-6, Jul-Aug 72 (Fr

ANTI-INFLAMMATORY AGENTS, administration & dosage/ ANTIMALARIALS, administration & dosage/ *ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, surgery/ ASPIRIN, administration & dosage/ GLUCOCORTICOIDS, administration & dosage/ GOLD, administration & dosage/ *HAND/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage

2572. **Mennear JH, Gossel TA:** Interactions between diphenylhydantoin and tolbutamide in mice.
Toxicol Appl Pharmacol 24:309-16, Feb 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CARBOHYDRATES, metabolism/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DRUG INTERACTIONS/ ELECTROSHOCK/ EPINEPHRINE/ GLUCOSE TOLERANCE TEST/ HYPERGLYCEMIA, chemically induced/ IN VITRO/ INSULIN, antagonists & inhibitors/ INSULIN, secretion/ LETHAL DOSE 50/ MALE/ MICE/ PANCREAS, drug effects/ PANCREAS, secretion/ TIME FACTORS/ *TOLBUTAMIDE, pharmacodynamics

2573. **Menon KM, Giese S, Jaffe RB:** Hormone- and fluoride-sensitive adenylate cyclases in human fetal tissues. Biochim Biophys Acta 304:203-9, 30 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADENYL CYCLASE, metabolism/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, enzymology/ CARBON ISOTOPES/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *FETUS, enzymology/ *FLUORIDES, pharmacodynamics/ GENES/ GESTATIONAL AGE/ GLUCAGON, pharmacodynamics/ HEART VENTRICLE, drug effects/ HEART VENTRICLE, embryology/ HEART VENTRICLE, enzymology/ *HORMONES, pharmacodynamics/ HUMAN/ LIVER, drug effects/ LIVER, embryology/ LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ MALE/ PREGNANCY

2574. **Merkaš Z, Sobić V, Parunović M:** Prophylaktische postoperative Bestrahlung des Seminoms.
Strahlentherapie 145:369-72, Apr 73 (Ger)
ADULT/ AGED/ COBALT ISOTOPES/ DISGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ PERITONEUM/ *POSTOPERATIVE CARE/ RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY DOSAGE/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, occurrence/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ YUGOSLAVIA

2575. **Merrill JE, Peach MJ, Gilmore JP:** Angiotensin I conversion in the kidney and its modulation by sodium balance. Am J Physiol 224:1104-8, May 73
*ANGIOTENSIN, metabolism/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ DIET, SALT-FREE/ DOGS/ FEMALE/ IMMUNE SERUMS/ KIDNEY, blood supply/ *KIDNEY, metabolism/ KININASE II, physiology/ MALE/ PERFUSION/ REGIONAL BLOOD FLOW/ RENIN, metabolism/ *SODIUM, blood

2576. **Mersereau WA, Moore S, Fernandez H:** Renal renin in experimental nephrosclerosis.
J Pathol 108:319-27, Dec 72
ANGIOTENSIN/ ANIMAL EXPERIMENTS/ AORTA, THORACIC/ ARTERIES, pathology/ BLOOD PLATELETS/ BLOOD PRESSURE/ EMBOLISM/ HYPERTENSION, RENAL, pathology/ *HYPERTENSION, RENAL, physiopathology/ *KIDNEY, analysis/ *NEPHROSCLEROSIS, physiopathology/ RABBITS/ *RENIN, analysis

2577. **Mersten A, Merstenová E, Grekov P:** Cystorádiografia v strume.
Cesk Radiol 27:82-4, Mar 73 (Slo)
BIOPSY, NEEDLE/ CYSTS, pathology/ CYSTS, radiography/ ENGLISH ABSTRACT/ GOITER, pathology/ *GOITER, radiography/ HUMAN/ MALE/ MIDDLE AGE

2578. **Mertz DP:** Krankheitskatastrophen: Niereninsuffizienz.
Munch Med Wochenschr 115:747-53, 27 Apr 73 (Ger)
CALCIUM METABOLISM DISORDERS, etiology/ DIET THERAPY/ DIETARY PROTEINS/ DIURETICS, therapeutic use/ ENGLISH ABSTRACT/ HEMODIALYSIS/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, diagnosis/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY FAILURE, CHRONIC, therapy/ KIDNEY FUNCTION TESTS/ TRANSPLANTATION, HOMOLOGOUS/ UREMIA, etiology/ VITAMIN D, therapeutic use

2579. **Mertz DP, Steiner M, Heizmann M, et al:** Der Jodgehalt des Trinkwassers im endemischen Kropfgebiet von Südbaden. Beziehungen zum geologischen Aufbau der Bodenschichten, zu geographischen Faktoren, zur Stärke der Kropfendemie.
Schweiz Med Wochenschr 103:550-6, 14 Apr 73 (Ger)
DEFICIENCY DISEASES, occurrence/ DIET/ *DISEASE RESERVOIRS/ ENGLISH ABSTRACT/ GERMANY, WEST/ GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, urine/ HUMAN/ *IODINE, analysis/ IODINE, urine/ RURAL POPULATION/ *WATER, analysis

2580. **Mestechkina AIa, Kalinskaia LN:** Vplyv hidrokortyzonu na vmist sul'hidryl'nykh ta dysul'fighykh hrup u hilkakh suhkiltynnykh struktur bolovnoho mozku.
Ukr Biokhim Zh 45:47-51, 1973 (Ukr)
ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN CHEMISTRY/ CELL NUCLEUS, metabolism/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MALE/ MICROSOMES, metabolism/ *MITOCHONDRIA, metabolism/ *PROTEINS, analysis/ RABBITS/ SUBCELLULAR FRACTIONS, analysis/ *SULFHYDRYL COMPOUNDS, analysis

2581. **Metz JW, Balliet RF:** Two genetic types of normal colour vision? Nature [New Biol] 242:190, 11 Apr 73
*COLOR PERCEPTION/ *GENETICS, HUMAN/ HUMAN/ LINKAGE (GENETICS)/ MALE/ SEX CHROMOSOMES

2582. **Metz SA:** Drug treatment of inoperable adrenocortical carcinoma. JAMA 224:530, 23 Apr 73
*ADRENAL GLAND NEOPLASMS, drug therapy/ HUMAN/ *MITOTANE, therapeutic use

2583. **Meyer A, Sypniewska M, Marszęcki Z:** Przypadek jamistych przerzutów raka tarczycy do płuc.
Pol Przegl Radiol 36:755-7, Nov-Dec 72 (Pol)
AGED/ ENGLISH ABSTRACT/ HUMAN/ *LUNG NEOPLASMS, radiography/ MALE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, radiography

2584. **Meyer G:** Die Encephalomyelitis disseminata (auch Multiple Sklerose genannt.
Fortschr Med 91:611-5, 17 May 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AMYOTROPHIC LATERAL SCLEROSIS, diagnosis/ ANTILYMPHOCYTE SERUM, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENCEPHALOMYELITIS, diagnosis/ EYE MANIFESTATIONS/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ *MULTIPLE SCLEROSIS/ MULTIPLE SCLEROSIS, cerebrospinal fluid/ MULTIPLE SCLEROSIS, complications/ MULTIPLE SCLEROSIS, diagnosis/ MULTIPLE SCLEROSIS, drug therapy/ NEURITIS, etiology/ OCULOMOTOR PARALYSIS, etiology/ PARALYSIS, etiology/ PROGNOSIS/ PSYCHOSES, ORGANIC,

etiology/ SPINAL CORD DISEASES, diagnosis/ URINATION DISORDERS, etiology

2585. **Mezinova NN, Bogdanova AG, Khan OG:** Eksretsiia gonadotropnykh i steroidnykh gormonov pri lechenii pervichnogo raka endometriia 17-oksiprogesteron-kapronatom.
Akush Ginekol (Mosk) 49:40-4, Jan 73 (Rus)
ADULT/ AGED/ CAPROATES, therapeutic use/ *ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ MENSTRUATION DISORDERS, etiology/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PROGESTERONE, therapeutic use/ *UTERINE NEOPLASMS, drug therapy

2586. **Miani A, Miani C:** Rytum dobowy postepu strefy wapnienia w zebinie psów.
Pol Tyg Lek 28:490-6, 2 Apr 73 (Pol)
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ *CIRCADIAN RHYTHM/ *DENTIN, growth & development/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ TETRACYCLINE, diagnostic use

2587. **Michajlik A:** Hiperlipidemie jako "czynnik ryzyka" w chorobie wieńcowej.
Wiad Lek 26:529-34, 15 Mar 73 (16 ref.) (Pol)
AGE FACTORS/ BLOOD PROTEIN DISORDERS/ BLOOD PROTEIN DISORDERS, classification/ BLOOD PROTEIN DISORDERS, drug therapy/ BLOOD PROTEIN DISORDERS, therapy/ CHOLESTEROL, blood/ CLOFIBRATE, therapeutic use/ *CORONARY DISEASE/ DIET THERAPY/ HUMAN/ *HYPERLIPEMIA, complications/ HYPERLIPEMIA, drug therapy/ LIPIDS, blood/ NICOTINIC ACID, therapeutic use/ REVIEW/ THYROXINE, therapeutic use/ TIME FACTORS/ TRIGLYCERIDES, blood

2588. **Michelsen WJ, Mount LA, Renaudin J:** Craniopharyngioma. A thirty-nine year survey.
Acta Neurol Lat Am 18:100-6, 1972
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *BRAIN NEOPLASMS/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, surgery/ CHILD/ CHILD, PRESCHOOL/ *CRANIOPHARYNGIOMA/ CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, surgery/ HUMAN/ MIDDLE AGE

2589. **Mičko I:** Riziko pre matku u mladistvých tehotných.
Cesk Gynekol 38:187-9, Apr 73 (Slo)
*ADOLESCENCE/ AGE FACTORS/ EXTRACTION, OBSTETRICAL/ FEMALE/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ *PREGNANCY/ PREGNANCY, UNWANTED/ PUBERTY/ SEX EDUCATION

2590. **Midwinter A, Shepherd A, Bowen M:** Continuous extra-amniotic prostaglandin E 2 for therapeutic termination and the effectiveness of various infusion rates and dosages.
J Obstet Gynaecol Br Commonw 80:371-3, Apr 73
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ *AMNION/ BLOOD PRESSURE, drug effects/ CATHETERIZATION/ FEMALE/ HUMAN/ OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ PULSE, drug effects/ TIME FACTORS

2591. **Miętkiewski K, Lukaszyk A, Zabel M:** Badania histologiczne i histochemiczne nad reaktywnością komórek C tarczycy psa na zmiany poziomu wapnia w surowicy krwi.
Endokrynol Pol 24:57-70, Jan-Feb 73 (Pol)
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ GLYCEROPHOSPHATES, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ OXIDOREDUCTASES, metabolism/ STAINS AND STAINING/ THYROCALCITONIN, biosynthesis/ *THYROID GLAND, cytology/ THYROID GLAND, enzymology/ THYROID GLAND, metabolism

2592. **Mikhail Y:** A study of some of the histological and histochemical features of the zona reticularis.
Acta Anat (Basel) 84:498-508, 1973
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, innervation/ ADRENAL GLANDS, metabolism/ AGE FACTORS/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ GANGLIA, AUTONOMIC, enzymology/ GANGLIA, AUTONOMIC, growth & development/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ MICROSCOPY, ELECTRON/ RATS

2593. **Mikusek J:** Niektóre wartości hematologiczne a stopień dojrzałości płciowej dzieci i młodzieży.
Pediatr Pol 48:435-43, Apr 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *HEMATOCRIT/ *HEMOGLOBIN/ HUMAN/ LIBIDO/ MALE/ *PUBERTY/ *SEX CHARACTERISTICS/ SEX FACTORS

2594. **Milcu SM:** Discordanța testelor în explorarea tiroidei.
Stud Cercet Endocrinol 24:245-6, 1973 (Rum)
HUMAN/ *THYROID GLAND FUNCTION TESTS

2595. **Mildner T:** Tartarus heilt die Rachitis.
Med Klin 68:358-61, 16 Mar 73 (Ger)
CHILD/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 18TH CENT./ HUMAN/ RICKETS, drug therapy/ *RICKETS, history/ TARTRATES, therapeutic use

2596. **Milewich L, Axelrod LR:** [Oestrogen synthesis from (4 14 C-1,2- 3 H)testosterone by a 160 000 g supernatant from baboon placenta and by postmicrosomal fractions. J Endocrinol 56:227-33, Feb 73
ANDROSTANES, biosynthesis/ ANIMAL EXPERIMENTS/ BABOONS/ CARBON ISOTOPES/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ IN VITRO/ 17-KETOSTEROIDS, biosynthesis/ MONKEYS/ *PLACENTA, metabolism/ PREGNANCY/ SUBCELLULAR FRACTIONS, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM/ ULTRACENTRIFUGATION

2597. **Milgram JW, Flick MR, Engh CA:** Osteogenesis imperfecta. A histopathological case report.
J Bone Joint Surg [Am] 55:506-15, Apr 73
ACETABULUM, radiography/ AGED/ AUTOPSY/ *BONE AND BONES, pathology/ BONE MATRIX, pathology/ BONE RESORPTION, pathology/ CALLUS, pathology/ CASE REPORT/ FEMALE/ FEMUR, radiography/ FRACTURES, SPONTANEOUS, pathology/ HUMAN/ OSTEOBLASTS/ OSTEOGENESIS IMPERFECTA, etiology/ *OSTEOGENESIS IMPERFECTA, pathology/ OSTEOGENESIS IMPERFECTA, radiography/ OSTEOPOROSIS, radiography/ PSEUDARTHROSIS, pathology/ RIB FRACTURES, pathology/ RIBS, radiography/ SKULL, radiography/ SPINE, pathology/ SPINE, radiography/ TIBIA, radiography

2598. **Milin B, Roy AK:** Androgen "receptor" in rat liver cytosol "receptor" deficiency in pseudohermaphrodite male rats.
Nature [New Biol] 242:248-50, 25 Apr 73
ANIMAL EXPERIMENTS/ *CYTOSOL, metabolism/ LIVER, cytology/ *LIVER, metabolism/ MALE/ PSEUDOHERMAPHRODITISM, familial & genetic/ *PSEUDOHERMAPHRODITISM, metabolism/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ *STANOLONE, metabolism

2599. **Millard SA, Gál EM:** Hydroxylation and biogenic amine synthesis in the human fetus.

J Neurochem 19:2461-4, Oct 72
*BIOGENIC AMINES, biosyntbesis/ BRAIN, enzymology/ BRAIN CHEMISTRY/ EMBRYO, enzymology/ FEMALE/ *FETUS, enzymology/ HUMAN/ HYDROXYLATION/ LIVER, enzymology/ MALE/ MIDDLE AGE/ PHENYLALANINE HYDROXYLASE, metabolism/ PREGNANCY/ SEROTONIN, analysis/ TRYPTOPHAN HYDROXYLASE, metabolism/ TYROSINE HYDROXYLASE, metabolism

2600. **Millender LH, Nalbuff EA, Holdsworth DE:** Posterior interosseous nerve syndrome secondary to rbeumatoid synovitis.
J Bone Joint Surg [Am] 55:375-7, Mar 73
AGED/ *ARM, innervation/ ARM, surgery/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, pbysiopathology/ ARTHRITIS, RHEUMATOID, surgery/ CASE REPORT/ ELBOW JOINT/ FEMALE/ FINGERS, pbysiopatbology/ GLUCOCORTICOIDS, tberapeutic use/ HUMAN/ MIDDLE AGE/ *NERVE COMPRESSION SYNDROMES, etiology/ NERVE COMPRESSION SYNDROMES, surgery/ SYNOVIAL MEMBRANE, surgery/ *SYNOVITIS, complications/ TENDON TRANSFER

2601. **Miller B, Peixl H, Hamelmann H:** Klinik und Tberaple der toxischen Kolondilatation.
Munch Med Wochenschr 115:231-6, 16 Feb 73 (Ger)
ADRENAL CORTEX HORMONES, tberapeutic use/ ADULT/ ANTIBIOTICS, tberapeutic use/ COLITIS, ULCERATIVE, complications/ *COLONIC DISEASES/ COLONIC DISEASES, drug tberapy/ COLONIC DISEASES, etiology/ COLONIC DISEASES, radiograpby/ COLONIC DISEASES, surgery/ DILATATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MEDICATION ERRORS/ PLASMA SUBSTITUTES, tberapeutic use/ PROCTOSCOPY/ SALICYLAZOSULFAPYRIDINE, tberapeutic use

2602. **Miller DF:** The impact of bormonal contraceptive tberapy on a community and effects on cytopatbology of the cervix. Am J Obstet Gynecol 115:978-82, 1 Apr 73
ADOLESCENCE/ ADULT/ *CERVIX DISEASES, cbemically induced/ CERVIX DISEASES, diagnosis/ CERVIX DISEASES, occurrence/ *CERVIX NEOPLASMS, cbemically induced/ CONNECTICUT/ *CONTRACEPTIVES, ORAL/ *CYTODIAGNOSIS/ FEMALE/ HUMAN/ MIDDLE AGE/ PREGNANCY/ SOCIAL CLASS/ URBAN POPULATION

2603. **Miller HC, Alexander JW, Smith EJ:** Evaluation of kidney-preservation metbods.
Lancet 808:880-1, 21 Apr 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS/ CADAVER/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *KIDNEY, transplantation/ METHODS/ METHYLPREDNISOLONE/ *TISSUE PRESERVATION/ TISSUE SURVIVAL/ TRANSPLANTATION, HOMOLOGOUS

2604. **Miller JK, Swanson EW:** Metabolism of etbylenediaminedihydriodide and sodium or potassium iodide by dairy cows.
J Dairy Sci 56:378-84, Mar 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ ETHYLENEDIAMINES, analysis/ ETHYLENEDIAMINES, blood/ *ETHYLENEDIAMINES, metabolism/ FECES, analysis/ FEMALE/ IODIDES, analysis/ IODIDES, blood/ *IODIDES, metabolism/ IODINE ISOTOPES/ MILK, analysis/ POTASSIUM IODIDE, analysis/ POTASSIUM IODIDE, blood/ *POTASSIUM IODIDE, metabolism/ SODIUM, blood/ *SODIUM, metabolism

2605. **Miller ML, McCuskey RS:** Innervation of bone marrow in tbe rabbit. Scand J Haematol 10:17-23, 1973
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ BLOOD VESSELS, innervation/ BONE MARROW, embryology/ *BONE MARROW, innervation/ CHOLINESTERASE/ CONNECTIVE TISSUE, analysis/ HISTOCYTOCHEMISTRY/ MUCOPOLYSACCHARIDES, analysis/ NERVE FIBERS, MYELINATED/ RABBITS/ RECEPTORS, ADRENERGIC/ RECEPTORS, CHOLINERGIC/ STAINS AND STAINING/ TIBIA

2606. **Miller RK, Berndt WO:** Evidence for Mg 2+ -dependent, Na + + K + -activated ATPase and Ca 2+ -ATPase in tbe buman term placenta.
Proc Soc Exp Biol Med 143:118-22, May 73
ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, analysis/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ FEMALE/ GUANOSINE TRIPHOSPHATE, metabolism/ HUMAN/ HYDROLYSIS/ INOSINE NUCLEOTIDES, metabolism/ ISOENZYMES/ *MAGNESIUM, metabolism/ PLACENTA, analysis/ *PLACENTA, enzymology/ *POTASSIUM, metabolism/ PREGNANCY/ *SODIUM, metabolism

2607. **Miller RL, Forsyth RP, Hoffbrand BI, et al:** Cardiovascular effects of hemorrhage during endotoxemia in unanesthetized monkeys.
Am J Pbysiol 224:1087-91, May 73
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ CARDIAC OUTPUT/ CEREBROVASCULAR CIRCULATION/ CONSTRICTION/ CORONARY CIRCULATION/ GASTROINTESTINAL SYSTEM, blood supply/ *HEMODYNAMICS/ HISTAMINE, blood/ KIDNEY, blood supply/ MACACA/ MALE/ MONKEYS/ MUSCLES, blood supply/ PANCREAS, blood supply/ PULSE/ REGIONAL BLOOD FLOW/ *SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, physiopatbology/ SHOCK, HEMORRHAGIC, metabolism/ *SHOCK, HEMORRHAGIC, pbysiopatbology/ SKIN, blood supply/ SKULL, blood supply/ SPINE, blood supply/ SPLEEN, blood supply/ VASCULAR RESISTANCE/ VASOMOTOR SYSTEM, pbysiology

2608. **Miller TB Jr, Larner J:** Mechanism of control of bepatic glycogenesis by insulin.
J Biol Cbem 248:3483-8, 25 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALLOXAN DIABETES, enzymology/ *ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ DRUG SYNERGISM/ ENZYME ACTIVATION/ GLUCAGON, pharmacodynamics/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATES/ *GLUCOSYLTRANSFERASES, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *INSULIN, pharmacodynamics/ INSULIN, pbysiology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ *LIVER GLYCOGEN, biosyntbesis/ LIVER GLYCOGEN, metabolism/ MALE/ PERFUSION/ PROTEIN KINASE, metabolism/ RATS

2609. **Miller WR, McDonald D, Forrest AP, et al:** Metabolism of androgens by buman breast tissue.
Lancet 809:912-3, 28 Apr 73
ADENOFIBROMA, metabolism/ ADULT/ *ANDROGENS, metabolism/ *BREAST, metabolism/ BREAST NEOPLASMS, enzymology/ BREAST NEOPLASMS, metabolism/ CARCINOMA, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, metabolism/ DNA, metabolism/ FEMALE/ HUMAN/ MIDDLE AGE/ TESTOSTERONE, metabolism

2610. **Mills JN:** Air travel and circadian rbythm.
J R Coll Physicians Lond 7:122-31, Jan 73
*ADAPTATION, PHYSIOLOGICAL/ *AIRCRAFT/ *CIRCADIAN RHYTHM/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ MATHEMATICS/ NATRIURESIS/

POTASSIUM, urine/ TIME FACTORS/ *TRAVEL

2611. **Mills TM, Savard K:** Steroidogenesis in ovarian follicles isolated from rabbits before and after mating. Endocrinology 92:788-91, Mar 73
*ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *COITUS/ CORPUS LUTEUM, metabolism/ ESTRADIOL, biosyntbesis/ ESTRONE, biosyntbesis/ ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE, metabolism/ HYDROXYPROGESTERONE, biosyntbesis/ IN VITRO/ LH, pharmacodynamics/ OVULATION/ PREGNANCY/ PROGESTERONE, biosyntbesis/ RABBITS/ SERUM ALBUMIN, BOVINE, pbarmacodynamics/ TESTOSTERONE, biosyntbesis/ TIME FACTORS/ TRITIUM

2612. **Milner AJ:** Morpbological differentiation of adrenal cortical cells induced by a 40-minute exposure to corticotrophin. J Endocrinol 56:325-6, Feb 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ CELL DIFFERENTIATION, drug effects/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ ENDOPLASMIC RETICULUM, drug effects/ FETUS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ RATS/ TIME FACTORS/ TISSUE CULTURE

2613. **Mininberg DT, Montoya F, Okada K, et al:** Subcellular muscle studies in the prune belly syndrome. J Urol 109:524-6, Mar 73
*ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, MULTIPLE, patbology/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ GLYCOGEN/ HUMAN/ INFANT, NEWBORN/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ *MUSCLES, pathology/ *TESTIS, abnormalities/ *UROGENITAL SYSTEM, abnormalities

2614. **Minkoff L, Damadian R:** Caloric catastropbe. Biopbys J 13:167-78, Feb 73
ADENOSINE TRIPHOSPHATE, metabolism/ *BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ *ESCHERICHIA COLI, metabolism/ GLUCOSE, metabolism/ GLYCINE, metabolism/ GLYCOSIDES, metsbolism/ KINETICS/ LEUCINE, metabolism/ MAGNESIUM, metabolism/ MATHEMATICS/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ PHOSPHORUS ISOTOPES/ POTASSIUM, metabolism

2615. **Minton JP, Dickey RP:** Levodopa test to predict response of carcinoma of the breast to surgical ablation of endocrine glands.
Surg Gynecol Obstet 136:971-4, Jun 73
ADENOCARCINOMA, blood/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, tberapy/ ADULT/ ANALGESICS AND ANTIPYRETICS, tberapeutic use/ BONE NEOPLASMS, blood/ *BONE NEOPLASMS, tberapy/ BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ *DOPA, diagnostic use/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ MASTECTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARY, surgery/ PAIN, therapy/ PROLACTIN, blood/ RADIOIMMUNOASSAY

2616. **Mífejovský P:** Hepatobiliární osteopatie. Cesk Patol 9:24-30, Feb 73 (Cze)
AGED/ AUTOPSY/ *BONE DISEASES, etiology/ BONE DISEASES, metabolism/ BONE DISEASES, patbology/ CALCIUM, metsbolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ *LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ LIVER CIRRHOSIS, OBSTRUCTIVE, patbology/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ PHOSPHATES, metabolism/ VITAMIN A DEFICIENCY, etiology/ VITAMIN D DEFICIENCY, etiology

2617. **Mirhom YW, Szontágh FE:** Kinetic study of tbe metabolism of (4- 14 C) dehydroepiandrosterone normal early buman placental tissue. I. Androge derivatives. Steroids Lipids Res 3:160-9, 1972
ACETYLATION/ ADOLESCENCE/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, isolation & purificatio ANDROSTENEDIONE, metabolism/ ANDROSTERONE, isolation & purification/ ANDROSTERONE, metsbolism/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DEHYDROEPIANDROSTERONE, isolation & purification/ *DEHYDROEPIANDROSTERONE metabolism/ ESTRADIOL, metsbolism/ ESTRONE, metabolism/ FEMALE/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, metabolism/ KINETICS/ OXIDOREDUCTASE metabolism/ PLACENTA, enzymology/ *PLACENTA, metabolism/ PREGNANCY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE, isolation & purification/ TESTOSTERONE, metabolism

2618. **Mirouze J, Monnier L:** Les hypoglycémies chez diabétiques. Rev Prat 22:3349-67, 1 Oct 72 (
ADRENAL GLAND HYPOFUNCTION, complications/ DIABETES MELLITUS, complications/ DIABETIC NEPHROPATHIES complications/ GLUCOSE TOLERANCE TES HYPERGLYCEMIA, complications/ HYPOGLYCEMIA, etiology/ HYPOGLYCEMI physiopathology/ HYPOPHYSECTOMY, adve effects/ INSULIN, adverse effects/ PANCREATITIS, complications/ SPECIAL LIST FOREIGN/ SULFONAMIDES, adverse effects

2619. **Misenhimer HR:** Examination of tbe recently deliv placenta by phase contrast microscopy. Am J Obstet Gynecol 114:796-802, 15 Nov
ABRUPTIO PLACENTAE, complications/ BLOOD GROUP INCOMPATIBILITY, etiolo FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, complications/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEAS etiology/ ISOANTIGENS, adverse effects/ LABOR, PREMATURE, etiology/ MICROSCOPY, PHASE CONTRAST/ *PLACENTA, cytology/ PLACENTA DISORDERS, complications/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY IN DIABETES, complications PREGNANCY TOXEMIAS, complications

2620. **Mishev P, Mitov Fr:** Siuchai na gramaden timom u Khirurgiia (Sofiia) 26:92-4, 1973
CHILD/ FEMALE/ HUMAN/ *THYMOMA, diagnosis/ THYMOMA, surgery/ *THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, surgery

2621. **Mishra SK, Sandhu RS, Randhawa HS, et al:** Effe cortisone administration on experimental nocardiosis. Infect Immun 7:123-9, Feb 73
ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ LETHAL DOSE 50/ L pathology/ MICE/ *NOCARDIA, pathogenic NOCARDIA ASTEROIDES, pathogenicity/ *NOCARDIA INFECTIONS, immunology

2622. **Misra NK, Kumar S:** Effect of oestrogen on j secretions of dogs. A preliminary communicat J Indian Med Assoc 59:505-7, 16 Dec 72
AMYLASE, analysis/ ANIMAL EXPERIME BICARBONATES, analysis/ DEPRESSION, CHEMICAL/ DOGS/ *ESTROGENS, pharmacodynamics/ FEMALE/ *INTESTIN SECRETIONS, analysis/ INTESTINAL SECRETIONS, enzymology/ INTESTINAL SECRETIONS, secretion/ *JEJUNUM, secretion/ SECRETORY RATE, drug effe

2623. **Mitch WE, Spivak JL, Spangler DB, et al:** Throm thrombocytopenic purpura presenting with gynaecological manifestations.
Lancet 808:849-50, 21 Apr 73
ADULT/ BLOOD COAGULATION TESTS/ CURETTAGE/ DILATATION/ DISSEMINA INTRAVASCULAR COAGULATION, etiol FEMALE/ HEMOPERITONEUM, etiology/

*HEMORRHAGE, etiology/ HUMAN/ OVARIAN CYSTS, complications/ PROTHROMBIN TIME/ *PURPURA, THROMBOTIC THROMBOPENIC, diagnosis/ RUPTURE, SPONTANEOUS/ SYNCOPE, etiology/ *VAGINAL DISEASES, etiology/ VAGINAL DISEASES, surgery/ VAGINAL DISEASES, therapy

2624. **Mitchell ML:** Normalized resin uptake of displaced 125 I-T 4 using denatured serum.
J Nucl Med 14:336-40, Jun 73
CONTRACEPTIVES, ORAL/ DIAGNOSTIC ERRORS/ FEMALE/ HEAT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PREGNANCY/ PROTEIN DENATURATION/ RESINS/ TECHNETIUM, diagnostic use/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN

2625. **Mitkokh DI, Baĭteriakova LS, Guzeĭ LA:** Oftal'mopletizmografiia pri nekotorykb éndokrinnykb zabolevaniiakb.
Probl Endokrinol (Mosk) 19:19-22, Jan-Feb 73 **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ *EYE, blood supply/ FEMALE/ *HEMODYNAMICS/ HUMAN/ *HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ OPHTHALMODYNAMOMETRY/ PLETHYSMOGRAPHY

2626. **Mitskevich MS, Rumyantseva ON:** Possible role of the hypothalamus in regulation of the adrenocortical and thyroid functions during embryonic development.
Sov J Dev Biol 3:305-12, Jul-Aug 72
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CELL NUCLEUS/ EMBRYO/ FEMALE/ GUINEA PIGS/ *HYPOTHALAMUS, embryology/ HYPOTHALAMUS, physiology/ MALE/ METHYLTHIOURACIL, pharmacodynamics/ ORGAN WEIGHT/ PITUITARY GLAND, physiology/ PREGNANCY/ RABBITS/ RATS/ SPECIES SPECIFICITY/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, embryology/ THYROTROPIN RELEASING FACTOR, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics

2627. **Miyamoto E, Petzold GL, Kuo JF, et al:** Dissociation and activation of adenosine 3',5'-monophosphate-dependent and guanosine 3',5'-monophosphate-dependent protein kinases by cyclic nucleotides and by substrate proteins.
J Biol Chem 248:179-89, 10 Jan 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CATALYSIS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ ELECTROPHORESIS, DISK/ ENZYME ACTIVATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HISTONES/ HYDROXYAPATITE/ ISOELECTRIC FOCUSING/ KINETICS/ LOBSTERS/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ *MUSCLES, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES/ PROTEIN KINASE/ PROTEIN KINASE, isolation & purification/ TRITIUM

2628. **Miyamoto H, Chang MC:** In vitro fertilization of rat eggs. Nature 241:50-2, 5 Jan 73
ANIMAL EXPERIMENTS/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ IN VITRO/ MALE/ OVULATION, drug effects/ OVUM, cytology/ RATS/ SPERM CAPACITATION/ SPERMATOZOA, cytology

2629. **Miyano M, Dorn CR:** Prostaglandins. VI. Correlation of the absolute configuration of pyrethrolone with that of the prostaglandins.
J Am Chem Soc 95:2664-9, 18 Apr 73
METHODS/ MOLECULAR CONFORMATION/ *PROSTAGLANDINS/ *PYRETHRUM

2630. **Mizejewski GJ:** Immunobiological activity of radiolabeled antihormone antibodies.
J Reticuloendothel Soc 13:436-48, May 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIBODY FORMATION/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ *GONADOTROPINS, CHORIONIC/ IGG/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES, DIAGNOSTIC/ *PSEUDOPREGNANCY/ RADIOIMMUNOASSAY/ RATS

2631. **Mizuno M, Sakamoto M:** [Fetal thyroid system] Clin Endocrinol (Tokyo) 21:137-41, Feb 73 (27 ref.) **(Jap)**
FEMALE/ FETUS/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PITUITARY GLAND, embryology/ PITUITARY GLAND, physiology/ PREGNANCY/ REVIEW/ *THYROID GLAND, embryology/ THYROID GLAND, physiology/ THYROTROPIN, biosynthesis/ THYROTROPIN, physiology/ THYROTROPIN, secretion/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS

2632. **Moayer M:** Erfahrungen zur Propbylaxe der sogenannten "Röntgendermatitis" mit einem neuen Emulsionssystem. Radiologe 13:80-1, Feb 73 **(Ger)**
ADULT/ AGED/ CLINICAL RESEARCH/ EMULSIONS/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, radiotherapy/ *RADIODERMATITIS, prevention & control/ UTERINE NEOPLASMS, radiotherapy

2633. **Moccetti T:** Kardiotoxische Medikamente.
Schweiz Med Wochenschr 103:621-30, 28 Apr 73 **(Ger)**
ADULT/ ANGINA PECTORIS, chemically induced/ ANTIBIOTICS, adverse effects/ CHLOROQUINE, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ DEATH, SUDDEN/ ELECTROCARDIOGRAPHY/ EMETINE, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, chemically induced/ HEART DISEASES, diagnosis/ HUMAN/ IMIPRAMINE, adverse effects/ MIDDLE AGE/ MYOCARDIAL INFARCT, chemically induced/ PHENOTHIAZINE TRANQUILIZERS, adverse effects/ PHENYLBUTAZONE, adverse effects

2634. **Moens L, Burford GD:** A simple method for detection of neurosecretory products after polyacrylamide gel electrophoresis. Anal Biochem 51:466-9, Feb 73
ANIMAL EXPERIMENTS/ CATTLE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ METHODS/ *NEUROPHYSINS, analysis/ PITUITARY GLAND, POSTERIOR, analysis/ RATS/ STAINS AND STAINING

2635. **Moffitt EA, Tarhan S, Goldsmith RS, et al:** Patterns of total and ionized calcium and other electrolytes in plasma during and after cardiac surgery.
J Thorac Cardiovasc Surg 65:751-7, May 73
ACID-BASE EQUILIBRIUM/ ADULT/ AGED/ BLOOD PROTEINS/ BLOOD SUGAR/ *CALCIUM, blood/ FEMALE/ *HEART SURGERY/ HEART VALVE DISEASES, surgery/ HEART VALVE PROSTHESIS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INSULIN, blood/ *MAGNESIUM, blood/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ PARATHYROID HORMONE, blood/ POSTOPERATIVE COMPLICATIONS/ *POTASSIUM, blood/ *WATER-ELECTROLYTE BALANCE

2636. **Mogenson GJ, Calaresu FR:** Cardiovascular responses to electrical stimulation of the amygdala in the rat.
Exp Neurol 39:166-80, Apr 73

*AMYGDALOID BODY, physiology/ ANESTHESIA/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ *CARDIOVASCULAR SYSTEM, physiology/ CHLORALOSE, pharmacodynamics/ ELECTRIC STIMULATION/ *HEART RATE/ HEART RATE, drug effects/ MALE/ RATS/ RESPIRATION/ TUBOCURARINE, pharmacodynamics/ URETHANE, pharmacodynamics

2637. **Moggia A, Mischler T, Beauquis A, et al:** Evaluation of the contraceptive efficacy of Quingestanol acetate in daily microdose and post coitum.
J Reprod Med 10:186-92, Apr 73
ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ CERVIX UTERI, pathology/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, therapeutic use/ *CONTRACEPTIVES, POSTCOITAL, administration & dosage/ CONTRACEPTIVES, POSTCOITAL, adverse effects/ CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ LACTATION, drug effects/ MENSTRUATION, drug effects/ *PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTATIONAL HORMONES, therapeutic use/ QUINGESTANOL, administration & dosage/ QUINGESTANOL, therapeutic use

2638. **Moghissi KS, Syner FN, McBride LC:** Contraceptive mechanism of microdose norethindrone.
Obstet Gynecol 41:585-94, Apr 73
ADULT/ AGAR/ CELL COUNT/ CERVIX MUCUS, analysis/ *CERVIX MUCUS, drug effects/ ELECTROPHORESIS/ *ENDOMETRIUM, drug effects/ ESTRADIOL, urine/ ESTRIOL, urine/ ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ NORETHINDRONE, administration & dosage/ *NORETHINDRONE, pharmacodynamics/ *OVULATION, drug effects/ PREGNANEDIOL, urine/ PROGESTERONE, blood/ SPERMATOZOA/ *VAGINA, drug effects

2639. **Moguilevsky JA, Christot J:** Protein synthesis in different hypothalamic areas during the sexual cycle in rats: influence of castration.
J Endocrinol 55:147-52, Oct 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ *ESTRUS/ FEMALE/ *HYPOTHALAMUS, metabolism/ *OVARY, physiology/ PHENYLALANINE, metabolism/ *PROTEINS, biosynthesis/ RATS/ TESTOSTERONE/ TRITIUM

2640. **Moguilevsky JA, Christot J:** The effect of synthetic luteinizing hormone releasing hormone (LH-RH) on the protein synthesis of different hypothalamic areas and anterior pituitary gland.
Proc Soc Exp Biol Med 143:260-4, May 73
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ *LH/ MALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORMONE RELEASING FACTORS, physiology/ *PROTEINS, biosynthesis/ RATS/ TRITIUM

2641. **Mohr HJ:** Epitbelveränderungen der Portio- und Zervixschleimhaut ohne und mit Ovulationsbemmer-Einwirkung.
Fortschr Med 91:578-9 passim, 10 May 73 (Ger)
ADENOCARCINOMA, pathology/ ADULT/ CARCINOMA, pathology/ CARCINOMA, OAT CELL, pathology/ CERVIX UTERI, drug effects/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ EPITHELIUM, drug effects/ FEMALE/ HUMAN/ MIDDLE AGE/ MUCOUS MEMBRANE, cytology/ MUCOUS MEMBRANE, drug effects/ MUCOUS MEMBRANE, pathology/ PREGNANCY/ TIME FACTORS/ UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, pathology/ *UTERUS, drug effects

2642. **Mohrenweiser HW, Emery RS:** Hormonal control of precursor pools, ribonucleic acid synthesis, and cellular morphology in mammary tissue pieces during lactogenesis. J Dairy Sci 56:436-45, Apr 73
ANIMAL EXPERIMENTS/ DACTINOMYCIN, pharmacodynamics/ DNA, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ *LACTATION/ *MAMMAE, cytology/ METHODS/ PHOSPHORUS ISOTOPES/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROTEINS, analysis/ PUERPERIUM/ RATS/ *RNA, biosynthesis/ RNA, isolation & purification/ RNA, MESSENGER, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ RNA, TRANSFER, biosynthesis/ STIMULATION, CHEMICAL/ TISSUE CULTURE/ TRITIUM/ URIDINE, metabolism

2643. **Moiseev VS, Lenchik VI, Chel'tsov VV:** Infarkt miokarka pri lecbenii bol'nogo gemorragicheskim vaskulitom prednizolonom.
Klin Med (Mosk) 50:145-7, Oct 72 (Rus)
ADULT/ CASE REPORT/ HUMAN/ MALE/ *MYOCARDIAL INFARCT, chemically induced/ *PREDNISOLONE, adverse effects/ PURPURA, drug therapy

2644. **Mokler CM, Iturrian WB:** Strain differences in subcellular calcium distribution in striated muscle o the mouse. Proc Soc Exp Biol Med 142:919-23, Mar 7
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ HEART, anatomy & histology/ KINETICS/ MICE/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED DBA/ *MICE, INBRED STRAINS, metabolism/ *MUSCLES, metabolism/ *MYOCARDIUM, metabolism/ ORGAN WEIGHT/ SPECIES SPECIFICITY

2645. **Molinatti GM, Strumia E:** Hypertension artérielle e minéralcorticoides.
Folia Endocrinol (Roma) 26:21-48, Feb 73 (Fre
ADULT/ ALDOSTERONE, secretion/ ANGIOTENSIN, metabolism/ CORTICOTROPIN adverse effects/ CORTISONE, adverse effects CUSHING'S SYNDROME, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ GLUCOCORTICOIDS, metabolism/ HOMEOSTASIS, drug effects/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ HYPERALDOSTERONISM, complications/ HYPERTENSION, etiology/ *HYPERTENSION, metabolism/ HYPERTENSION, RENAL, metabolism/ *MINERALOCORTICOIDS, metabolism/ RENIN, metabolism

2646. **Molino G, Cavanna A, Marino M:** Effect of adrenocorticotrophin on 21- and 11 -hydroxyla activity in the biosynthesis of cortisol.
J Endocrinol 56:333-4, Feb 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ADULT/ CHROMATOGRAPHY, GAS/ CORTICOTROPIN, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, biosynthesis/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ PREGNANES, urine/ PREGNANETRIOL, urine/ *STEROID HYDROXYLASES, metabolism/ STIMULATIO CHEMICAL/ TETRAHYDROCORTISOL, urine. TETRAHYDROCORTISONE, urine

2647. **Molitor JT, Chertow BS, Fariss BL:** Long-ter follow-up of a patient with congenital adren hyperplasia and failure of testicular developme
Fertil Steril 24:319-23, Apr 73
ADOLESCENCE/ *ADRENAL GLAND DISEASES, congenital/ ADULT/ CASE REPORT/ CHILD/ CORTISONE, therapeutic

use/ DESOXYCORTICOSTERONE, therapeutic use/ FOLLOW-UP STUDIES/ FSH, blood/ GLUCOCORTICOIDS, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPERPLASIA, congenital/ *HYPOGONADISM, etiology/ LH, blood/ MALE/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ TESTIS, growth & development/ TESTOSTERONE, blood

2648. **Mollgaard K, Moller M:** On the innervation of the human fetal pineal gland.
Brain Res 52:428-32, 30 Mar 73
FETUS/ HISTOCYTOCHEMISTRY/ HUMAN/ *PINEAL BODY, innervation

2649. **Molnar J:** Correzione delle patospermie con la gonadotropina menopausale umana.
Minerva Ginecol 25:61-8, Feb 73 (Ita)
ADULT/ CELL MOVEMENT, drug effects/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MENOTROPINS, therapeutic use/ MIDDLE AGE/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ *STERILITY, MALE, drug therapy

2650. **Molne K:** P-pillen.
Tidsskr Nor Laegeforen 93:313-6, 20 Feb 73 (Nor)
*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN

2651. **Moltz H, Leon M:** Stimulus control of the maternal pheromone in the lactating rat.
Physiol Behav 10:69-71, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ FEMALE/ HOUSING, ANIMAL/ *LACTATION/ *MATERNAL BEHAVIOR/ NESTING BEHAVIOR/ *PHEROMONES, secretion/ PREGNANCY/ PROLACTIN, physiology/ PUERPERIUM/ RATS/ SOCIAL BEHAVIOR

2652. **Monaco F, Robbins J:** Defective thyroglobulin synthesis in an experimental rat thyroid tumor. Lack of membrane-bound sialyltransferase activity.
J Biol Chem 248:2328-36, 10 Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ FUCOSE, metabolism/ GALACTOSE, metabolism/ GLUCOSAMINE, metabolism/ HEXOSAMINES, metabolism/ IODINE, metabolism/ IODINE ISOTOPES/ KINETICS/ LEUCINE, analysis/ MANNOSE, metabolism/ MEMBRANES, enzymology/ NEOPLASMS, EXPERIMENTAL, enzymology/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEURAMINIC ACIDS/ RATS/ SOLUBILITY/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, enzymology/ THYROID GLAND, metabolism/ THYROID NEOPLASMS, enzymology/ *THYROID NEOPLASMS, metabolism/ *TRANSFERASES, metabolism/ TRITIUM

2653. **Monbon M, Loras B, Reboud JP, et al:** Uptake, binding and metabolism of testosterone in rat brain tissues.
Brain Res 53:139-50, 13 Apr 73
ANDROSTENES, analysis/ ANDROSTENES, isolation & purification/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, PAPER/ CYTOSOL, analysis/ CYTOSOL, metabolism/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ METHODS/ *PITUITARY GLAND, metabolism/ RATS/ TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification/ *TESTOSTERONE, metabolism/ TRITIUM

2654. **Monchik JM, Nelson TG, Powell DA:** Adenoma in a fifth parathyroid gland: the role of selective venous catheterization. Surgery 73:782-5, May 73
ADENOMA, complications/ *ADENOMA, diagnosis/ ADULT/ CASE REPORT/ *CATHETERIZATION/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, etiology/ JUGULAR VEIN/ MALE/ *PARATHYROID GLANDS, abnormalities/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY/ VENA CAVA, INFERIOR/ VENA CAVA, SUPERIOR

2655. **Moncrieff MW, Lunt HR, Arthur LJ:** Nutritional rickets at puberty. Arch Dis Child 48:221-4, Mar 73
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ AMINO ACIDS, urine/ ANEMIA, HYPOCHROMIC, familial & genetic/ BICARBONATES, blood/ CALCIUM, blood/ CALCIUM, urine/ CHILD/ CHILD, PRESCHOOL/ DIET/ FECES, analysis/ FEMALE/ GROWTH/ HUMAN/ INDIA/ INFANT/ INOSITOL/ LIPIDS, analysis/ MALE/ PAKISTAN/ PHOSPHATES, blood/ *PUBERTY/ *RICKETS, etiology/ UREA, blood/ VITAMIN D, metabolism/ *VITAMIN D DEFICIENCY, familial & genetic

2656. **Monkhouse DC, Van Campen L, Aguiar AJ:** Kinetics of dehydration and isomerization of prostaglandins E 1 and E 2 . J Pharm Sci 62:576-80, Apr 73
CHROMATOGRAPHY, THIN LAYER/ DEHYDRATION/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ KINETICS/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET

2657. **Montague W, Howell SL:** The mode of action of adenosine 3':5'-cyclic monophosphate in mammalian islets of Langerhans. Preparation and properties of islet-cell protein phosphokinase.
Biochem J 129:551-60, Sep 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GUINEA PIGS/ HISTONES/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, enzymology/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, isolation & purification/ *PROTEIN BINDING/ PROTEINS/ RATS/ RECEPTORS, DRUG/ THEOPHYLLINE, pharmacodynamics/ XANTHINES, pharmacodynamics

2658. **Montenecourt BS, Kuo SC, Lampen JO:** Saccharomyces mutants with invertase formation resistant to repression by hexoses. J Bacteriol 114:233-8, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ CULTURE MEDIA/ DNA, analysis/ ENZYME REPRESSION/ FLOCCULATION/ GENES, REGULATOR/ HAPLOIDY/ *HEXOSES, pharmacodynamics/ *MUTATION/ RADIATION EFFECTS/ *SACCHAROMYCES, enzymology/ SACCHAROMYCES, metabolism/ SACCHAROMYCES, radiation effects/ *SUCRASE, biosynthesis/ SUCRASE, metabolism/ ULTRAVIOLET RAYS

2659. **Montis G de, Ricaud D, Rossier A:** Kyste hydatique de la thyroïde chez l'enfant.
Arch Fr Pediatr 29:900, Oct 72 (Fre)
CASE REPORT/ CHILD/ *ECHINOCOCCOSIS, diagnosis/ ECHINOCOCCOSIS, pathology/ FEMALE/ HUMAN/ RADIOISOTOPE SCANNING/ SERODIAGNOSIS/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology

2660. **Moon HD, Li CH, Jennings BM:** Immunohistochemical and histochemical studies of pituitary beta-lipotrophs. Anat Rec 175:529-37, Mar 73
ANIMAL EXPERIMENTS/ *BASOPHILS, analysis/ CORTICOTROPIN, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GOATS, immunology/ HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/ LIPOTROPIN, analysis/ MALE/ PITUITARY GLAND, analysis/ *PITUITARY GLAND,

cytology/ *PITUITARY HORMONES, ANTERIOR, analysis/ RABBITS, immunology/ SHEEP, immunology/ SOMATOTROPIN, analysis

2661. **Moor RM:** Oestrogen production by individual follicles explanted from ovaries of sheep.
J Reprod Fertil 32:545-8, Mar 73
ANIMAL EXPERIMENTS/ CULTURE MEDIA/ *ESTROGENS, secretion/ ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE, secretion/ LH/ ORGAN CULTURE/ OVARY/ *SHEEP

2662. **Moore BW:** Chemistry and biology of two proteins, S-100 and 14-3-2, specific to the nervous system.
Int Rev Neurobiol 15:215-25, 1972 (27 ref.)
AMINO ACIDS, analysis/ AMYGDALOID BODY, analysis/ ANIMAL EXPERIMENTS/ BRAIN, growth & development/ *BRAIN CHEMISTRY/ CAUDATE NUCLEUS, analysis/ CEREBRAL CORTEX, analysis/ CHROMATOGRAPHY/ COMPLEMENT FIXATION TESTS/ CORPORA QUADRIGEMINA, analysis/ CORPUS CALLOSUM, analysis/ GANGLIA, BASAL, analysis/ GLOBUS PALLIDUS, analysis/ GYRUS CINGULI, analysis/ HIPPOCAMPUS, analysis/ HISTOCYTOCHEMISTRY/ NERVE DEGENERATION/ *NERVE TISSUE PROTEINS, analysis/ NERVE TISSUE PROTEINS, isolation & purification/ REVIEW/ THALAMUS, analysis

2663. **Moran JH, Loewenson RB:** Plasma renin activity in acute cerebrovascular disease: preliminary communication. Stroke 4:160-2, Mar-Apr 73
ACUTE DISEASE/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ BLOOD PRESSURE/ CEREBRAL HEMORRHAGE, blood/ *CEREBROVASCULAR DISORDERS, blood/ CEREBROVASCULAR DISORDERS, physiopathology/ HUMAN/ METHODS/ RENIN, blood/ RENIN, secretion/ SUBARACHNOID HEMORRHAGE, blood/ SUBARACHNOID HEMORRHAGE, physiopathology

2664. **Morand P, Laine JL, Laugier J:** Le syndrome de Noonan (a propos de 2 observations.
Arch Mal Coeur 65:863-73, Jul 72 (Fre)
*ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ *BONE AND BONES, abnormalities/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ EXTREMITIES/ FACIAL EXPRESSION/ FEMALE/ GROWTH DISORDERS/ *HEART BLOCK/ HEART CATHETERIZATION/ *HEART DEFECTS, CONGENITAL/ HEART SEPTAL DEFECTS, diagnosis/ HEART SEPTAL DEFECTS, surgery/ HUMAN/ MALE/ MENTAL RETARDATION/ PHONOCARDIOGRAPHY/ *PULMONARY VALVE STENOSIS, congenital/ PULMONARY VALVE STENOSIS, diagnosis/ PULMONARY VALVE STENOSIS, surgery/ *SEX DIFFERENTIATION DISORDERS/ SYNDROME/ TETRALOGY OF FALLOT, diagnosis/ THORACIC RADIOGRAPHY

2665. **Moravec R, Chorváth V, Baláž V, et al:** Zmeny kóry nadobličiek pri traume pankreasu v experimente.
Bratisl Lek Listy 59:45-56, 1973 (Slo)
ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ *PANCREAS, injuries/ PANCREAS, metabolism/ PANCREAS, pathology/ SHOCK, TRAUMATIC, metabolism/ *SHOCK, TRAUMATIC, pathology/ THYROXINE, metabolism

2666. **Mordue AJ, Highnam KC:** Incorporation of cysteine into the cerebral neurosecretory system of adult desert locusts. Gen Comp Endocrinol 20:351-7, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CYSTEINE, metabolism/ FEMALE/ *GRASSHOPPERS, physiology/ HEMOLYMPH/ *NEUROSECRETORY SYSTEMS, metabolism/ SCINTILLATION COUNTERS/ SULFUR ISOTOPES/ TIME FACTORS

2667. **Morelis P, Grafmeyer D, Riotte M, et al:** Effets de l'irradiation totale sur le tryptophanne plasmatique et sur l'activité de la tryptophanne pyrrolase hépatique du rat. C R Soc Biol (Paris) 166:1000-4, 1972 (Fre)
ANIMAL EXPERIMENTS/ CESIUM ISOTOPES/ FLUOROMETRY/ HYDROXYINDOLEACETIC ACID, metabolism/ LIVER, analysis/ LIVER, enzymology/ *LIVER, radiation effects/ MALE/ *RADIATION EFFECTS/ RATS/ SEROTONIN, metabolism/ TIME FACTORS/ TRYPTOPHAN, analysis/ *TRYPTOPHAN, blood/ *TRYPTOPHAN OXYGENASE, analysis/ ULTRAFILTRATION

2668. **Morgan HG, Boulnois J, Burns-Cox C:** Addiction to prednisone. Br Med J 2:93-4, 14 Apr 73
ADULT/ ANXIETY, chemically induced/ ASTHMA, drug therapy/ CUSHING'S SYNDROME, chemically induced/ *DRUG ADDICTION/ DRUG ADDICTION, complications/ DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ HUMAN/ NEUROSES, ANXIETY, complications/ *PREDNISONE, adverse effects

2669. **Morgan WW, Yndo CA:** Daily rhythms in tryptophan and serotonin content in mouse brain: the apparent independence of these parameters from daily changes in food intake and from plasma tryptophan content
Life Sci [II] 12:395-406, 8 May 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *CIRCADIAN RHYTHM/ DARKNESS/ DIET/ LIGHT/ MICE/ *SEROTONIN, metabolism/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism

2670. **Morgenroth K, Verhagen A, Simons FK:** Veränderungen in der Leber nach intraperitonealer Radiogoldtherapie.
Strahlentherapie 145:282-8, Mar 73 (Ger)
BIOPSY/ ENGLISH ABSTRACT/ *GOLD ISOTOPES, therapeutic use/ HUMAN/ KUPFFER CELLS, radiation effects/ *LIVER, radiation effects/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, cytology/ MITOCHONDRIA, LIVER, radiation effects/ NECROSIS/ *OVARIAN NEOPLASMS, radiotherapy/ PHAGOCYTES, radiation effects/ *RADIATION EFFECTS/ RETICULOENDOTHELIAL SYSTEM, radiation effects

2671. **Morger R:** Kinderurologie für den Praktischen Arzt
Z Allgemeinmed 49:360-5, 20 Mar 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ BALANITIS, therapy/ BLADDER EXSTROPHY, surgery/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, therapy/ EPISPADIAS, therapy/ FEMALE/ HUMAN/ HYPOSPADIAS, therapy/ INFANT/ INFANT, NEWBORN/ INGUINAL HERNIA, therapy/ KIDNEY NEOPLASMS, therapy/ MALE/ NEPHROBLASTOMA, therapy/ PHIMOSIS, therapy/ SPERMATIC CORD TORSION, diagnosis/ *UROLOGIC DISEASES, therapy

2672. **Morgner KD:** Der Einfluss einer thyreostatischen Therapie auf die Spiegel der freien Fettsäuren im Plasma bei Patienten mit einer dekompensierten diffusen Hyperthyreose.
Med Klin 68:310-2, 9 Mar 73 (Ger)
ACHILLES TENDON/ BASAL METABOLISM/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ REFLEX/ THYROID ANTAGONISTS, therapeutic use/ THYROXINE, blood/ TIME FACTORS

2673. **Morgner KD, Stendel A, Beisenherz W, et al:** Minderwuchs infolge Mangels an "Thyrotropin-Releasing-Hormone" (TRH) und "Growth-Hormone-Releasing-Factor" (GRF.
Dtsch Med Wochenschr 98:539-41, 16 Mar 73 (Ger)
BLOOD SUGAR, analysis/ CHILD/ CORTICOTROPIN RELEASING FACTOR, blood/ DWARFISM, PITUITARY, blood/

DWARFISM, PITUITARY, complications/ *DWARFISM, PITUITARY, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS, secretion/ HYPOTHYROIDISM, complications/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, secretion/ *SOMATOTROPIN, blood/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, blood

2674. **Morin RJ:** Cholesteryl ester synthesis and hydrolysis by subcellular fractions of corpora lutea and interstitial tissue from ovaries of pregnant rabbits.
Biochim Biophys Acta 296:203-8, 19 Jan 73
*ACYLTRANSFERASES, metabolism/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CHOLESTEROL/ *CHOLESTEROL, biosynthesis/ COENZYME A/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, enzymology/ *CORPUS LUTEUM, metabolism/ CYTOPLASMIC GRANULES, metabolism/ CYTOSOL, metabolism/ ESTERS, biosynthesis/ FEMALE/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ KINETICS/ LIPIDS, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ ORGAN SPECIFICITY/ OVARY, cytology/ OVARY, enzymology/ *OVARY, metabolism/ PREGNANCY/ RABBITS

2675. **Morishige WK, Pepe GJ, Rothchild I:** Serum luteinizing hormone, prolactin and progesterone levels during pregnancy in the rat. Endocrinology 92:1527-30, May 73
ANIMAL EXPERIMENTS/ FEMALE/ *LH, blood/ PREGNANCY/ *PROGESTERONE, blood/ *PROLACTIN, blood/ RATS/ TIME FACTORS

2676. **Morley AR, Wright NA, Appleton D:** Cell proliferation in the castrate mouse seminal vesicle in response to testosterone propionate. I. Experimental observations. Cell Tissue Kinet 6:239-46, May 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CELL DIVISION, drug effects/ DNA, biosynthesis/ MALE/ MICE/ MICE, INBRED BALB C/ MITOSIS/ MODELS, BIOLOGICAL/ *PROPIONATES, pharmacodynamics/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

2677. **Morozov VN:** Vrednye posledstvila vibratsii (obzor inostrannoi literatury.
Voen Med Zh 9:61-5, Sep 72 (10 ref.) **(Rus)**
ALPHA RHYTHM/ AVIATION MEDICINE/ BIOPHYSICS/ BONE AND BONES, physiology/ ELASTIC TISSUE, physiology/ EXERCISE THERAPY/ FATIGUE/ FATIGUE, MENTAL/ HEART RATE/ HUMAN/ INDUSTRIAL MEDICINE/ MALE/ PSYCHOPHYSIOLOGY/ REVIEW/ SKULL, physiology/ SOUND, adverse effects/ SPORTS/ *VIBRATION, adverse effects

2678. **Morris DJ, Berek JS, Davis RP:** Sex-dependence of the metabolism of aldosterone in adrenalectomized and intact rats. Steroids 21:397-407, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALDOSTERONE, administration & dosage/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CYTOSOL, analysis/ FEMALE/ GEL FILTRATION/ KIDNEY, cytology/ *KIDNEY, metabolism/ LIVER, cytology/ *LIVER, metabolism/ MALE/ PROTEIN BINDING/ RATS/ SEX FACTORS/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM

2679. **Morris DJ, Davis RP:** Complex formation by 3 H-aldosterone in rat kidney and liver.
Steroids 21:383-96, Mar 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ GLUCURONIDASE, metabolism/ KIDNEY, cytology/ *KIDNEY, metabolism/ *LIVER, metabolism/ MALE/ NATRIURESIS/ POTASSIUM, urine/ PROTEIN BINDING/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPIRONOLACTONE, pharmacodynamics/ SUBCELLULAR FRACTIONS, analysis/ TRITIUM

2680. **Morris HR, Dickinson RJ, Williams DH:** Studies towards the complete sequence determination of proteins by mass spectrometry: derivatisation of methionine, cysteine and arginine containing peptides.
Biochem Biophys Res Commun 51:247-55, 5 Mar 73
ACETYLATION/ *AMINO ACID SEQUENCE/ *ARGININE, analysis/ *CYSTEINE, analysis/ HYDRAZINES/ IODIDES/ MASS SPECTRUM ANALYSIS/ *METHIONINE, analysis/ METHODS/ ORNITHINE/ PEPTIDES, analysis/ *PROTEINS, analysis/ PYRIMIDINES/ TIME FACTORS

2681. **Morrison AG:** Undescended testes.
S Afr Med J 47:285, 24 Feb 73
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ HUMAN/ INFANT/ MALE

2682. **Morse HC, Leach DR, Rowley MJ, et al:** Effect of cyproterone acetate on sperm concentration, seminal fluid volume, testicular cytology and levels of plasma and urinary ICSH, FSH and testosterone in normal men. J Reprod Fertil 32:365-78, Mar 73
ADULT/ *ANDROGENS, antagonists & inhibitors/ CONTRACEPTIVE AGENTS/ CYPROTERONE, pharmacodynamics/ FSH, blood/ FSH, urine/ HUMAN/ LEYDIG CELLS, drug effects/ LH, blood/ LH, urine/ LIBIDO, drug effects/ MALE/ *PREGNADIENES, pharmacodynamics/ SEMEN, drug effects/ SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ TESTIS, cytology/ TESTIS, drug effects/ TESTOSTERONE, blood/ TESTOSTERONE, urine

2683. **Moses AM, Howanitz J, Miller M:** Diuretic action of three sulfonylurea drugs.
Ann Intern Med 78:541-4, Apr 73
*ACETOHEXAMIDE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ ADULT/ AUTOANALYSIS/ BLOOD SUGAR, analysis/ CHLORPROPAMIDE, pharmacodynamics/ COMPARATIVE STUDY/ CREATININE, urine/ *DIURESIS, drug effects/ EVALUATION STUDIES/ *GLIBENCLAMIDE, pharmacodynamics/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ NATRIURESIS, drug effects/ PHOTOMETRY/ POTASSIUM, urine/ RADIOIMMUNOASSAY/ *TOLAZAMIDE, pharmacodynamics/ VASOPRESSIN, urine/ WATER, metabolism

2684. **Moshang T Jr, Bongiovanni AM:** End organ metabolism of testosterone. I. Effects of hypophysectomy and growth hormone. J Steroid Biochem 4:11-5, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ HYPOPHYSECTOMY/ IN VITRO/ KINETICS/ MALE/ *PITUITARY GLAND, physiology/ PROSTATE, drug effects/ PROSTATE, metabolism/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STANOLONE, biosynthesis/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

2685. **Moshang T Jr, Rosenfield RL, Bongiovanni AM, et al:** Familial glucocorticoid insufficiency.
J Pediatr 82:821-6, May 73
*ADRENAL GLAND HYPOFUNCTION, familial & genetic/ ALDOSTERONE, urine/ CHILD, PRESCHOOL/ CONVULSIONS, familial & genetic/ CORTICOTROPIN, diagnostic use/ DIET, SALT-FREE/ FEMALE/ *GLUCOCORTICOIDS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ INFANT/ MALE/ MINERALOCORTICOIDS, analysis/ PIGMENTATION DISORDERS, familial & genetic/ SYNDROME

2686. **Mosier HD Jr:** Cushing's Syndrome, therapy or remission? Pediatrics 51:952, May 73

AGE FACTORS/ CUSHING'S SYNDROME, metabolism/ *CUSHING'S SYNDROME, therapy/ GLUCOCORTICOIDS, metabolism/ HUMAN/ REMISSION

2687. Mössner G, Husmann F: Rezidiverende Fieberschübe. Dtsch Med Wochenschr 98:451-3, 2 Mar 73 (Ger)
*ETIOCHOLANOLONE, blood/ FEVER, blood/ FEVER, drug therapy/ *FEVER, etiology/ HUMAN/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PERIODIC DISEASE, blood/ RECURRENCE

2688. Motlík K, Stárka L: Adrenocortical tumour of the ovary. (A case report with particular stress upon morphological and biochemical findings).
Neoplasma 20:97-110, 1973
*ADRENAL CORTICAL REST TUMOR/ ADRENOGENITAL SYNDROME, complications/ CHILD/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, classification/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery

2689. Motlik K, Zuntova A: Gonocytomy-dysgerminom a gonadoblastom. (Novatvary ovaria a mladistvých.
Cesk Patol 9:14-23, Feb 73 (Cze)
ADOLESCENCE/ AUTOLYSIS/ CHILD/ CZECHOSLOVAKIA/ DISGERMINOMA, classification/ DISGERMINOMA, etiology/ DISGERMINOMA, occurrence/ *DISGERMINOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HERMAPHRODITISM, complications/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, occurrence/ *OVARIAN NEOPLASMS, pathology

2690. Motuz TA: Pro efektyvnist' prednizolonu v likuvanni ditei, khvorykh na retsydyvuiuchu i khronichnu pnevmoniiu. Pediatr Akush Ginekol 1:16-7, 1973 (Ukr)
CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ HUMAN/ *PNEUMONIA, drug therapy/ *PREDNISOLONE, therapeutic use/ RECURRENCE

2691. Mounib MS, Eisan JS: Fixation of carbon dioxide by the testes of rabbit and fish.
Comp Biochem Physiol [B] 43:393-401, 15 Oct 72
ANIMAL EXPERIMENTS/ BICARBONATES/ *CARBON DIOXIDE, metabolism/ CARBON ISOTOPES/ COENZYME A/ *FISHES, metabolism/ LIGASES, analysis/ LIPIDS, biosynthesis/ MALATE DEHYDROGENASE, analysis/ MALE/ MALONATES, pharmacodynamics/ NUCLEIC ACIDS, biosynthesis/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, analysis/ PROPIONATES/ PROTEINS, biosynthesis/ PYRUVATES, pharmacodynamics/ *RABBITS, metabolism/ SPECIES SPECIFICITY/ TESTIS, drug effects/ TESTIS, enzymology/ *TESTIS, metabolism

2692. Mounier Y, Vassort G: Analyse en potentiel imposé des courants membranaires de la fibre musculaire de Crabe.
C R Acad Sci [D] (Paris) 276:173-6, 8 Jan 73 (Fre)
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CRABS/ ELECTROPHYSIOLOGY/ MANGANESE, pharmacodynamics/ MEMBRANE POTENTIALS/ MUSCLES, drug effects/ *MUSCLES, physiology/ POTASSIUM, metabolism/ TETRAETHYLAMMONIUM COMPOUNDS, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics

2693. Mounier-Kuhn P, Haguenauer JP, Bernard P: Nouvelle technique chirurgicale pour le traitement des plaies de la trachée haute.
J Fr Otorhinolaryngol 21:813-5, Nov 72 (Fre)
ADULT/ HUMAN/ MALE/ METHODS/ SUTURES/ THYROID GLAND, surgery/ *TRACHEA, injuries/ WOUNDS AND INJURIES, surgery

2694. Moutier R, Toyama K, Charrier MF: Biochemical polymorphism in the rat, Rattus norvegicus: genetic study of four markers. Biochem Genet 8:321-8, Mar 73
ALLELES/ ANIMAL EXPERIMENTS/ BLOOD PROTEIN ELECTROPHORESIS/ ESTERASES, analysis/ FEMALE/ GENES/ HEMOGLOBIN/ *LINKAGE (GENETICS)/ MALE/ PHENOTYPE/ *POLYMORPHISM (GENETICS)/ *RATS/ RECOMBINATION, GENETIC/ TESTIS, enzymology

2695. Mowat AP, Stroud CE, Williams R: Corticosteroids in neonatal hepatitis. Br Med J 2:50, 7 Apr 73
*ADRENAL CORTEX HORMONES, therapeutic use/ *HEPATITIS, drug therapy/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, drug therapy/ TRYPSIN INHIBITORS, blood

2696. Mowbray S, Watson B, Harris H: A search for electrophoretic variants of human adenine phosphoribosyl transferase.
Ann Hum Genet 36:153-62, Nov 72
ADENINE/ ALLELES/ BLOOD PROTEIN ELECTROPHORESIS/ BURKITT'S LYMPHOMA, enzymology/ CAUCASIAN RACE/ ELECTROPHORESIS/ FEMALE/ GEL FILTRATION/ GENETICS, BIOCHEMICAL/ GENETICS, HUMAN/ HEAT/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, enzymology/ LYMPHOCYTES, enzymology/ MOLECULAR WEIGHT/ NEGROID RACE/ NIGERIA/ *PENTOSYLTRANSFERASES/ PHENOTYPE/ PLACENTA, enzymology/ *POLYMORPHISM (GENETICS)/ PREGNANCY/ TISSUE EXTRACTS, analysis

2697. Mowery MB, Lindsay HA: Effect of exogenous triiodothyronine on weight and composition of the heart in rats. Proc Soc Exp Biol Med 143:138-40, May 73
ANIMAL EXPERIMENTS/ COLLAGEN, metabolism/ *HEART, drug effects/ *HEART ENLARGEMENT, chemically induced/ HEART ENLARGEMENT, etiology/ HYDROXYPROLINE, metabolism/ MALE/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics

2698. Moyle WR, Kong YC, Ramachandran J: Steroidogenesis and cyclic adenosine 3',5'-monophosphate accumulation in rat adrenal cells. Divergent effects of adrenocorticotropin and its o-nitrophenyl sulfenyl derivative.
J Biol Chem 248:2409-17, 10 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELLS, CULTURED/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ MALE/ *NITROBENZENES, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ SULFENIC ACIDS, pharmacodynamics/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, pharmacodynamics

2699. Mraz FR: 85 Sr and 45 Ca absorption and intestinal mitochondria uptake after perfusion with calcium and strontium. Poult Sci 51:2065-8, Nov 72
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ *CHICKENS, metabolism/ DUODENUM, metabolism/ FEMALE/ ILEUM, metabolism/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ JEJUNUM, metabolism/ *MITOCHONDRIA, metabolism/ PERFUSION/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES

2700. Mraz FR, Woody MC: Egg production in hens continuously irradiated as embryos.
Radiat Res 54:63-8, Apr 73
ANIMAL EXPERIMENTS/ *CHICK EMBRYO, radiation effects/ FEMALE/ OVARY, embryology/ OVARY, radiation effects/

*OVULATION, radiation effects/ OVUM, radiation effects/ *RADIATION EFFECTS/ STERILITY, FEMALE, etiology/ STERILITY, FEMALE, veterinary

2701. **Mroczek WJ, Finnerty FA Jr, Catt KJ:** Low-renin hypertension. N Engl J Med 288:1077-8, 17 May 73
ANGIOTENSIN, blood/ CEREBROVASCULAR DISORDERS, etiology/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, complications/ *HYPERTENSION, enzymology/ HYPERTENSION, urine/ MYOCARDIAL INFARCT, etiology/ NEGROID RACE/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, urine

2702. **Mueller MN, Jurist JM:** Skeletal status in rheumatoid arthritis. A preliminary report.
Arthritis Rheum 16:66-70, Jan-Feb 73
*ARTHRITIS, RHEUMATOID, complications/ *BONE AND BONES, metabolism/ *BONE RESORPTION, etiology/ DENSITOMETRY/ HUMAN/ *MINERALS, metabolism/ OSCILLOMETRY/ *OSTEOPOROSIS, etiology/ ULNA

2703. **Mueller WJ, Hall KL, Maurer CA Jr, et al:** Plasma calcium and inorganic phosphate response of laying hens to parathyroid hormone.
Endocrinology 92:853-6, Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ *CALCIUM, blood/ CHICKENS/ DIET/ FEMALE/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, blood/ TIME FACTORS

2704. **Muggia FM, Ghossein NA, Wohl H:** Eosinophilia following radiation therapy. Oncology 27:118-27, 1973
ANTIHISTAMINICS, therapeutic use/ BLADDER NEOPLASMS, radiotherapy/ CERVIX NEOPLASMS, radiotherapy/ COBALT ISOTOPES/ EOSINOPHILIA, drug therapy/ *EOSINOPHILIA, etiology/ EOSINOPHILS, immunology/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNOGLOBULINS, analysis/ LUNG NEOPLASMS, radiotherapy/ LYMPHOMA, radiotherapy/ METHODS/ *NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, radiotherapy/ PELVIC NEOPLASMS, radiotherapy/ RADIODERMATITIS, blood/ *RADIOISOTOPE TELETHERAPY, adverse effects/ THORACIC NEOPLASMS, radiotherapy/ TIME FACTORS/ UTERINE NEOPLASMS, radiotherapy

2705. **Mukhamedshin RA:** Patologomorfologicheskie izmeneniia u kur pri otravlenii alkilsevinom 68-76.
Veterinariia 8:93-5, Aug 72 (Rus)
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *CARBAMATES, poisoning/ *CHICKENS/ CROP, AVIAN, drug effects/ FEMALE/ *INSECTICIDES, poisoning/ INTESTINES, drug effects/ KIDNEY, drug effects/ LETHAL DOSE 50/ LIVER, drug effects/ LUNG, drug effects/ MYOCARDIUM, drug effects/ OVARY, drug effects/ OVIDUCTS, drug effects/ PANCREAS, drug effects/ SEVIN, poisoning/ SPLEEN, drug effects/ STOMACH, AVIAN, drug effects

2706. **Mukherjee AK, Chakraburtty S:** Gross lipid metabolism and testosterone. Endokrinologie 61:21-4, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ CHOLESTEROL, metabolism/ FEMALE/ *LIPIDS, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ RATS/ *TESTOSTERONE, pharmacodynamics

2707. **Mukherjee SP, Mukherjee C:** Control of rat adipose tissue metabolism by cortisone in relation to epinephrine. Am J Physiol 224:898-903, Apr 73
*ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ CORTISONE, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPINEPHRINE, pharmacodynamics/ EPINEPHRINE, physiology/ FATTY ACIDS, NONESTERIFIED, metabolism/ *LIPID MOBILIZATION, drug effects/ MALE/ RATS/ RATS, INBRED STRAINS/ TRIGLYCERIDES, metabolism

2708. **Müller JH:** Erweiterte Nebennierendiagnostik durch selektive Phlebographie (Methodik, Aussagekraft und Indikation.
Radiol Diagn (Berl) 13:763-71, 1972 (Ger)
ADENOMA, radiography/ *ADRENAL GLAND DISEASES, radiography/ *ADRENAL GLAND NEOPLASMS, radiography/ CYSTS, radiography/ ENGLISH ABSTRACT/ HUMAN/ HYPERPLASIA, radiography/ NEUROBLASTOMA, radiography/ PHEOCHROMOCYTOMA, radiography/ PHLEBOGRAPHY

2709. **Mullick FG, Drake RM, Irey NS:** Adverse reactions to drugs: a clinicopathologic survey of 200 infants and children. J Pediatr 82:506-10, Mar 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ AGE FACTORS/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANESTHETICS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ CHILD/ CHILD, PRESCHOOL/ *DRUG THERAPY, adverse effects/ FEMALE/ FETUS, drug effects/ HUMAN/ INFANT/ INSECTICIDES, adverse effects/ MALE/ MATERNAL-FETAL EXCHANGE/ METALS, adverse effects/ PREGNANCY/ REGISTRIES/ SEX FACTORS/ TRANQUILIZING AGENTS, adverse effects/ UNITED STATES

2710. **Mulroy R:** Iatrogenic disease in general practice: its incidence and effects. Br Med J 2:407-10, 19 May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANALGESICS AND ANTIPYRETICS, adverse effects/ ANTIBIOTICS, adverse effects/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL, adverse effects/ DRUGS, administration & dosage/ FEMALE/ GENERAL PRACTICE/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ *IATROGENIC DISEASE, occurrence/ INFANT/ MALE/ MIDDLE AGE/ SEX FACTORS/ STEROIDS, adverse effects/ SURGERY, OPERATIVE, adverse effects

2711. **Munro HN:** Leukocytes and fetal malnutrition.
Pediatrics 51:926-8, May 73
ADENOSINE TRIPHOSPHATE, metabolism/ BIRTH WEIGHT/ FETUS, growth & development/ HUMAN/ *LEUKOCYTES/ LEUKOCYTES, analysis/ LEUKOCYTES, metabolism/ MATERNAL-FETAL EXCHANGE/ PHOSPHOTRANSFERASES, blood/ *PLACENTA DISORDERS, blood/ PLACENTA DISORDERS, enzymology/ PREGNANCY/ *PROTEIN DEFICIENCY, enzymology/ RNA, metabolism

2712. **Munshi SR, Nilsson O:** Morphological effect of antiserum to luteinizing hormone on early pregnancy in mice. J Reprod Fertil 33:127-8, Apr 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ EPITHELIUM/ FEMALE/ *IMMUNE SERUMS, pharmacodynamics/ *LH/ MICE/ NIDATION, drug effects/ OVARY, drug effects/ OVARY, secretion/ OVUM, drug effects/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, secretion/ SECRETORY RATE, drug effects/ STAINS AND STAINING/ UTERUS

2713. **Munshi SR, Purandare TV, Rao SS:** Biological activity of an indigenous plant preparation.
Indian J Physiol Pharmacol 16:181-9, Jul-Sep 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORPUS LUTEUM, anatomy & histology/ FEMALE/ *FERTILITY/ *HERBS/ MALE/ MICE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVULATION/ PITUITARY GLAND, anatomy & histology/ PROSTATE, pathology/ RATS/ SPERMATOGENESIS/ *STERILITY,

MALE, etiology/ TESTIS, pathology/ UTERUS, anatomy & histology

2714. **Munthe E:** Behandling av lupus erythematosus disseminatus (LED) og beslektede sykdommer. Tidsskr Nor Laegeforen 93:533-6, 20 Mar 73 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIMALARIALS, therapeutic use/ CHLOROQUINE, therapeutic use/ COLLAGEN DISEASES, therapy/ ENGLISH ABSTRACT/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy/ PHYSICAL THERAPY/ SALICYLATES, therapeutic use

2715. **Murad F:** Beta-blockade of epinephrine-induced cyclic AMP formation in heart, liver, fat and trachea. Biochim Biophys Acta 304:181-7, 30 Mar 73
ACETANILIDE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DICHLOROISOPROTERENOL, pharmacodynamics/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ LIVER, drug effects/ LIVER, enzymology/ MYOCARDIUM, enzymology/ PROPRANOLOL, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ RATS/ TRACHEA, drug effects/ TRACHEA, enzymology

2716. **Murdoch RN:** Phosphomonoesterases and histamine in the uterus of the ewe during early pregnancy. Aust J Biol Sci 25:1289-97, Dec 72
*ACID PHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ COMPOUND 48-80, pharmacodynamics/ ENDOMETRIUM, analysis/ ENDOMETRIUM, enzymology/ ESTRADIOL, pharmacodynamics/ FEMALE/ FLUOROMETRY/ *HISTAMINE, analysis/ HISTAMINE, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, analysis/ UTERUS, drug effects/ *UTERUS, enzymology

2717. **Murphy BE:** Steroid arteriovenous differences in umbilical cord plasma: evidence of cortisol production by the human fetus in early gestation. J Clin Endocrinol Metab 36:1037-8, May 73
*ADRENAL GLANDS, metabolism/ BLOOD/ CORTISONE, blood/ FETUS, metabolism/ GEL FILTRATION/ HUMAN/ *HYDROCORTISONE, biosynthesis/ HYDROCORTISONE, blood/ PROGESTERONE, blood/ UMBILICAL ARTERIES/ UMBILICAL CORD/ UMBILICAL VEINS

2718. **Murphy ED, Beamer WG:** Plasma gonadotropin levels during early stages of ovarian tumorigenesis in mice of the W x -W u genotype. Cancer Res 33:721-3, Apr 73
*ADENOMA, blood/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *FSH, blood/ GENOTYPE/ *LH, blood/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MUTATION/ NEOPLASMS, MULTIPLE PRIMARY, blood/ *OVARIAN NEOPLASMS, blood/ OVARY/ RADIOIMMUNOASSAY

2719. **Murphy GP, Hrushesky WJ:** A murine renal cell carcinoma. J Natl Cancer Inst 50:1013-25, Apr 73
*ADENOCARCINOMA/ ADENOCARCINOMA, blood/ ADENOCARCINOMA, etiology/ ADENOCARCINOMA, immunology/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, pathology/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ CELL DIVISION/ CELL-FREE SYSTEM/ DIETHYLSTILBESTROL, pharmacodynamics/ *DISEASE MODELS, ANIMAL/ ERYTHROPOIETIN, metabolism/ FEMALE/ HEMATOCRIT/ *KIDNEY NEOPLASMS/ KIDNEY NEOPLASMS, blood/ KIDNEY NEOPLASMS, etiology/ KIDNEY NEOPLASMS, immunology/ KIDNEY NEOPLASMS, mortality/ KIDNEY NEOPLASMS, pathology/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ MICE/ MICE, INBRED BALB C/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ NEOPLASMS, EXPERIMENTAL, pathology/ SEX FACTORS/ SPECIES SPECIFICITY/ TESTOSTERONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

2720. **Murphy TM:** Cancer pain. Postgrad Med 53:187-94, May 73
ANALGESICS AND ANTIPYRETICS, therapeutic use/ ANESTHESIA, CONDUCTION/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION/ HUMAN/ HYPOPHYSECTOMY/ NARCOTICS, therapeutic use/ NEOPLASMS, drug therapy/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ *NEOPLASMS, therapy/ NEUROSURGERY/ PAIN, drug therapy/ PAIN, physiopathology/ *PAIN, therapy/ PALLIATIVE TREATMENT

2721. **Murray AW, Froscio M, Kemp BE:** Histone phosphatase and cyclic nucleotide-stimulated protein kinase from human lymphocytes. Biochem J 129:995-1002, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ BLOOD PLATELETS/ CALCIUM CHLORIDE, pharmacodynamics/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ DIALYSIS/ HISTONES/ HUMAN/ *LYMPHOCYTES, enzymology/ MAGNESIUM, pharmacodynamics/ PHOSPHATASES, analysis/ PHOSPHATASES, antagonists & inhibitors/ *PHOSPHATASES, isolation & purification/ PHOSPHOENOLPYRUVATE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, isolation & purification/ POTASSIUM, pharmacodynamics/ PROTEIN KINASE, isolation & purification/ SODIUM, pharmacodynamics/ SOLUBILITY

2722. **Murray TM, Keutmann HT:** The immunochemical specificity of antisera to bovine parathyroid hormone: an approach to region-specific radioimmunoassay. J Endocrinol 56:493-501, Mar 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ *PARATHYROID HORMONE, analysis/ PROTEIN BINDING/ RADIOIMMUNOASSAY

2723. **Murray-Lyon IM, Stern RB, Williams R:** Controlled trial of prednisone and azathioprine in active chronic hepatitis. Lancet 1:735-7, 7 Apr 73
ADULT/ ALKALINE PHOSPHATASE, blood/ ANTIBODIES/ ANTINUCLEAR FACTORS/ ASPARTATE AMINOTRANSFERASE, blood/ AUSTRALIA ANTIGEN/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ BILIRUBIN, blood/ CHRONIC DISEASE/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ ESOPHAGEAL VARICES, complications/ GAMMA GLOBULIN/ HEPATITIS, complications/ *HEPATITIS, drug therapy/ HUMAN/ HYPERTENSION, PORTAL etiology/ MIDDLE AGE/ MITOCHONDRIA, LIVER, immunology/ MUSCLE, SMOOTH, immunology/ PLACEBOS/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES/ SERUM ALBUMIN

2724. **Mussbek L, Csaba B:** Inhibition of epinephrine-induced glycogen phosphorylase activation by Bordetella pertussis vaccine in rats. Experientia 29:219-20, 15 Feb 73

ANIMAL EXPERIMENTS/ ENZYME ACTIVATION, drug effects/ *EPINEPHRINE, antagonists & inhibitors/ *EPINEPHRINE, pharmacodynamics/ *GLYCOGEN PHOSPHORYLASE, metabolism/ LIVER, enzymology/ MALE/ MUSCLES, enzymology/ *PERTUSSIS VACCINE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RATS

2725. **Muzzarelli RA, Rocchetti R:** The determination of molybdenum in sea water by bot graphite atomic absorption spectrometry after concentration on p-aminobenzyicellulose or chitosan.
Anal Chim Acta 64:371-9, May 73
CARBON/ CELLULOSE/ METHODS/ *MOLYBDENUM, analysis/ POLYSACCHARIDES/ SEAWATER, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ THIOCYANATES/ *WATER, analysis

2726. **Myles WS:** The excretion of 11-hydroxycorticosteroids by rats during exposure to altitude.
Int J Biometeorol 16:367-74, Dec 72
ACCLIMATIZATION/ *ALTITUDE/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CATECHOLAMINES, urine/ CREATININE, urine/ *11-HYDROXYCORTICOSTEROIDS, urine/ MALE/ RATS/ STRESS, urine/ TIME FACTORS

2727. **Myllärniemi H:** Healing and adbesion formation of peritoneal wounds. An angio-, histoangiographic, and ultrastructural study. Acta Chir Scand 139:258-63, 1973
ADHESIONS/ ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ ILEUM, pathology/ MALE/ MESENTERY, patbology/ MICROSCOPY, ELECTRON/ OMENTUM, blood supply/ OMENTUM, patbology/ PERITONEAL CAVITY, surgery/ *PERITONEUM, patbology/ RATS/ SUTURES/ TESTIS, pathology/ *WOUND HEALING

N

2728. **Naas W, Schentke KU, Renger F:** Möglichkeiten der eindimensionalen Ultrascballdiagnostik von Tumoren und flüssig-keitsgefüllten Hohlräumen im Abdomen und Tborax.
Z Aerzti Fortbild (Jena) 67:72-5, 15 Jan 73 (Ger)
*ABDOMINAL NEOPLASMS, diagnosis/ BILE DUCT NEOPLASMS, diagnosis/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GALLBLADDER DISEASES, diagnosis/ HUMAN/ KIDNEY, CYSTIC, diagnosis/ LIVER DISEASES, diagnosis/ OVARIAN CYSTS, diagnosis/ PANCREATIC CYST, diagnosis/ *PLEURAL EFFUSION, diagnosis/ *THORACIC NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

2729. **Nace HR, Smith AH:** Nor steroids. X. Synthesis of A-nor steroids via the Dieckmann condensation.
J Org Cbem 38:1941-4, 18 May 73
ALKYLATION/ CHOLESTANES/ ESTERS/ HYDROLYSIS/ METHODS/ *NORSTEROIDS, cbem synthesis/ PREGNANES

2730. **Nadakal AM, Mohandas A, John KO, et al:** Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. X. Influence of sex bormones on R. tetragona infection.
Z Parasitenkd 41:147-56, 24 Apr 73
ANIMAL EXPERIMENTS/ *CHICKENS/ DIETHYLSTILBESTROL, administration & dosage/ FEMALE/ MALE/ POULTRY DISEASES, drug tberapy/ *POULTRY DISEASES, immunology/ RAILLIETINIASIS, drug tberapy/ RAILLIETINIASIS, immunology/ *RAILLIETINIASIS, veterinary/ *SEX HORMONES, administration & dosage/ SPECIES SPECIFICITY/ TESTOSTERONE, administration & dosage

2731. **Nadkarni GD, Samuel AM:** Plasma protein biosynthesis in different thyroid states.
Biocbem Med 7:226-34, Apr 73
ALBUMINS, biosynthesis/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, biosyntbesis/ CARBON ISOTOPES/ FIBRINOGEN, biosynthesis/ GLOBULINS, biosynthesis/ GLYCINE, metabolism/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ MALE/ RATS/ *THYROID GLAND, metabolism/ THYROID GLAND, pbysiology/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics

2732. **Nádnorník P, Sramka M, Hostýn L:** Koagulačná stereobypofyzektómia.
Bratisl Lek Listy 59:455-8, Apr 73 (Slo)
*ELECTROCOAGULATION/ ENGLISH ABSTRACT/ HUMAN/ *HYPOPHYSECTOMY/ MONITORING SYSTEMS/ *STEREOTAXIC TECHNICS

2733. **Naeim F, Copper PH, Semion AA:** Peliosis hepatis. Possible etiologic role of anabolic steroids.
Arcb Patbol 95:284-5, Apr 73
ADULT/ AGED/ AUTOPSY/ CYTOMEGALOVIRUSES/ ESTRONE, adverse effects/ FEMALE/ *FLUOXYMESTERONE, adverse effects/ HUMAN/ INCLUSION BODIES, VIRAL/ LIVER, pathology/ *LIVER DISEASES, chemically induced/ LIVER DISEASES, microbiology/ LIVER DISEASES, pathology/ MALE/ SULFATES

2734. **Naess K:** Vitamin D. Fascinerende nye forskningsresultater med relasjon til antiepileptika.
Tidsskr Nor Laegeforen 93:191-3, 30 Jan 73 (Nor)
*ANTICONVULSANTS, adverse effects/ CHOLECALCIFEROL, metabolism/ CHOLECALCIFEROL, tberapeutic use/ EPILEPSY, drug therapy/ HALF-LIFE/ HUMAN/ INTESTINAL ABSORPTION/ KIDNEY, metabolism/ LIVER, metabolism/ *OSTEOPOROSIS, cbemically induced/ OSTEOPOROSIS, drug therapy

2735. **Naess K:** E-vitamin, umettede, biodplater og prostaglandiner. En retteise og en tilføyelse.
Tidsskr Nor Laegeforen 93:331, 20 Feb 73 (Nor)
ARTERIOSCLEROSIS/ *BLOOD PLATELETS/ *FATTY ACIDS, UNSATURATED/ HUMAN/ MYOCARDIAL INFARCT/ PROSTAGLANDINS/ *VITAMIN E

2736. **Nagai Y, Kawamura A Jr:** Purification of commercially available fluorescein isothiocyanate by silicic acid column chromatography.
Jap J Exp Med 43:53-9, Feb 73
CHROMATOGRAPHY, THIN LAYER/ *FLUORESCEINS, isolation & purification/ METHODS/ SILICA/ SPECTROPHOTOMETRY, INFRARED/ *THIOCYANATES, isolation & purification

2737. **Nagasawa H, Yanai R:** Promotion of pituitary prolactin release in rats by dibutyryl adenosine 3',5'-monophosphate. J Endocrinol 55:215-6, Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ IN VITRO/ LEUCINE, metabolism/ MALE/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, secretion/ PROLACTIN, biosynthesis/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL

2738. **Nagaya H, Elmore M, Ford CD:** Idiopathic interstitial pulmonary fibrosis. An immune complex disease?
Am Rev Respir Dis 107:826-30, May 73
ANTINUCLEAR FACTORS, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IMMUNE COMPLEX DISEASE/ IMMUNOGLOBULINS, analysis/ *IMMUNOLOGIC DISEASES/ MALE/ MIDDLE AGE/ PREDNISONE, tberapeutic use/ PULMONARY FIBROSIS, diagnosis/ PULMONARY FIBROSIS, drug therapy/ *PULMONARY FIBROSIS, immunology/ RESPIRATORY FUNCTION TESTS

2739. **Nagl W:** Intranuclear microtubies in trophocytes in Dytiscus. J Ultrastruct Res 42:283-6, Feb 73

ANIMAL EXPERIMENTS/ *BEETLES, cytology/ *CELL NUCLEUS/ FEMALE/ MICROSCOPY, ELECTRON/ *MICROTUBULES/ OVARY, cytology

2740. **Nagle CA, Cardinali DP, Rosner JM:** Retinal and pineal hydroxyindole-O-methyl transferases in the rat: changes following cervical sympathectomy, pinealectomy or blinding.
Endocrinology 92:1560-4, May 73
ANIMAL EXPERIMENTS/ BLINDNESS/ CARBON ISOTOPES/ CERVICAL PLEXUS/ CIRCADIAN RHYTHM/ MALE/ MELATONIN, analysis/ *METHYLTRANSFERASES, metabolism/ *PINEAL BODY, enzymology/ PINEAL BODY, physiology/ RATS/ *RETINA, enzymology/ SYMPATHECTOMY

2741. **Nagy E, Mészáros C, Somlyói I:** Nach BCG-Vaccination aufgetretener Lichen scrophulosorum.
Z Haut Geschlechtskr 47:859-62, 15 Oct 72 (Ger)
*BCG VACCINATION, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT/ ISONIAZID, therapeutic use/ LICHEN PLANUS, diagnosis/ LICHEN PLANUS, drug therapy/ *LICHEN PLANUS, etiology/ PREDNISOLONE, therapeutic use/ TUBERCULOSIS, prevention & control

2742. **Nagy E, Tamási P, Demény P:** Durch Rheosolon verursachte Purpura an der Haut.
Z Haut Geschlechtskr 48:233-6, 15 Mar 73 (Ger)
ADULT/ AGED/ *DRUG HYPERSENSITIVITY/ FEMALE/ HUMAN/ JOINT DISEASES, drug therapy/ LONG TERM CARE/ *PHENYLBUTAZONE, adverse effects/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, therapeutic use/ *PURPURA, chemically induced/ PURPURA, drug therapy

2743. **Nahmer D von der, Siedek M, Malchau V:** Hypothalamus-Hypophysenvorderlappen-Nebennierenrinden-System unter kontinuierlicher, alternierender und zirkadianer Fluocortolon-Therapie bei Nierentransplantierten.
Med Klin 67:1700-5, 22 Dec 72 (Ger)
ADULT/ CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INSULIN, diagnostic use/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PREGNANES, administration & dosage/ PREGNANES, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS

2744. **Nair KG:** Cerebral edema and its medical management.
J Assoc Physicians India 20:935, Dec 72
*BRAIN EDEMA, drug therapy/ DEXAMETHASONE, therapeutic use/ GLYCERIN, therapeutic use/ HUMAN/ MANNITOL, therapeutic use/ UREA, therapeutic use

2745. **Nair PP:** Vitamin E and metabolic regulation.
Ann NY Acad Sci 203:53-61, 18 Dec 72 (24 ref.)
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, metabolism/ AMINOLEVULINIC ACID DEHYDRATASE, metabolism/ AMINOLEVULINIC ACID SYNTHETASE, metabolism/ ANEMIA, etiology/ ANEMIA, MACROCYTIC, etiology/ ANIMAL EXPERIMENTS/ DIATHESIS/ ENCEPHALOMALACIA, etiology/ GENETICS/ *HEME, biosynthesis/ HEMEPROTEINS, metabolism/ HUMAN/ LIVER DISEASES, etiology/ MACROMOLECULAR SYSTEMS/ MUSCULAR DYSTROPHY, ANIMAL, etiology/ MYOCARDIAL DISEASES, SECONDARY, etiology/ NECROSIS/ PEROXIDES, metabolism/ PORPHYRIA, metabolism/ PORPHYRINS, metabolism/ REVIEW/ SPECIES SPECIFICITY/ STERILITY, etiology/ *VITAMIN E/ VITAMIN E, metabolism/ VITAMIN E, physiology/ *VITAMIN E DEFICIENCY, complications

2746. **Nair VS:** Neurosecretory flow in the perioesophageal tract of Jonespeltis splendidus (diplopoda, myriapoda). Experientia 29:207-8, 15 Feb 73
ANIMAL EXPERIMENTS/ *ARTHROPODS, physiology/ BRAIN, physiology/ DENERVATION/ ESOPHAGUS, innervation/ GANGLIA, physiology/ *NEUROSECRETION/ NEUROSECRETORY SYSTEMS, physiology/ STAINS AND STAINING

2747. **Nakada T, Momose G, Yoshida T:** Diagnosis of adrenal hypertension. I. Selective adrenal venography and pharmacological evaluation using catheter technique for detecting pheochromocytoma.
J Urol 109:757-60, May 73
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ ADULT/ BLOOD VESSELS/ CATHETERIZATION/ FEMALE/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, etiology/ HYPERTENSION, radiography/ MALE/ MIDDLE AGE/ PHENTOLAMINE, diagnostic use/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, radiography/ PHLEBOGRAPHY

2748. **Nakai T, Sakamoto M:** [Adrenal medulla]
Clin Endocrinol (Tokyo) 21:165-71, Feb 73 (64 ref.) (Jap)
ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, analysis/ *ADRENAL MEDULLA, embryology/ ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, analysis/ CATECHOLAMINES, secretion/ CATS/ CATTLE/ EPINEPHRINE, analysis/ FETUS, physiology/ GUINEA PIGS/ HUMAN/ NOREPINEPHRINE, analysis/ RABBITS/ RATS/ REVIEW/ SHEEP

2749. **Nakamaru Y, Schwartz A:** Spectrophotometric studies on the interaction of sarcoplasmic-reticulum fragments with adenosine triphosphate and calcium ions.
Eur J Biochem 34:159-68, 2 Apr 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ BROMINE/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CRESOLS/ DOGS/ DYES/ HEART, physiology/ HISTOCYTOCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MUSCLE CONTRACTION/ *MUSCLES, metabolism/ MUSCLES, physiology/ *MYOCARDIUM, metabolism/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, metabolism/ SPECTROPHOTOMETRY/ TOSYL COMPOUNDS

2750. **Nakamura M, Privett OS:** Studies on metabolism of linoleic-1- 14 C acid in testes of hypophysectomized rats. Lipids 8:224-31, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL, analysis/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ ESTERS, analysis/ ESTERS, metabolism/ FATTY ACIDS, analysis/ GONADOTROPINS, metabolism/ GONADOTROPINS, pharmacodynamics/ HYPOPHYSECTOMY/ *LINOLEIC ACID, metabolism/ MALE/ PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS, metabolism/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiology/ RATS/ SCINTILLATION COUNTERS/ TESTIS, drug effects/ *TESTIS, metabolism/ TRIGLYCERIDES, analysis/ TRIGLYCERIDES, metabolism

2751. **Nakamura S, Miyagami M, Moriyasu N:** Electron microscopic study of ATPase activity in human brain tumors. J Neurosurg 38:420-7, Apr 73
*ADENOMA, enzymology/ *ADENOSINE TRIPHOSPHATASE, metabolism/ *ASTROCYTOMA, enzymology/ BLOOD-BRAIN BARRIER/ *BRAIN NEOPLASMS, enzymology/

CAPILLARIES, enzymology/ CEREBRAL ARTERIES, enzymology/ *GLIOBLASTOMA MULTIFORME, enzymology/ HISTOCYTOCHEMISTRY/ HUMAN/ *MEDULLOBLASTOMA, enzymology/ MICROSCOPY, ELECTRON/ NEURILEMMOMA, enzymology/ PITUITARY NEOPLASMS, enzymology

2752. **Nakanishi M, Setoguchi M:** Studies on psychotropic drugs. XX. Effects of 1-methyl-5-o-chlorophenyl-7-ethyl-1,2-dihydro-3H-thieno[2,3-e][1,4]diazepin-2-one (Y-6047) on the metabolism of biogenic amines.
Arzneim Forsch 22:1914-8, Nov 72
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ CHLORDIAZEPOXIDE, pharmacodynamics/ P-CHLOROPHENYLALANINE/ DIAZEPAM, pharmacodynamics/ DOPAMINE, metabolism/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ METHYLTYROSINES/ NITRAZEPAM, pharmacodynamics/ NOREPINEPHRINE, metabolism/ PHENYLACETATES, metabolism/ PROBENECID/ RATS/ SEROTONIN, metabolism/ STRESS/ TRANQUILIZING AGENTS

2753. **Nakano J, McCloy RB Jr:** Effects of indomethacin on the pulmonary vascular and air way resistance responses to pulmonary microembolization.
Proc Soc Exp Biol Med 143:218-21, May 73
*AIRWAY RESISTANCE, drug effects/ ANIMAL EXPERIMENTS/ *BARIUM SULFATE/ BLOOD PRESSURE, drug effects/ DOGS/ *INDOMETHACIN, pharmacodynamics/ INDOMETHACIN, therapeutic use/ PROSTAGLANDINS, secretion/ PULMONARY CIRCULATION, drug effects/ PULMONARY EMBOLISM, chemically induced/ *PULMONARY EMBOLISM, drug therapy/ *VASCULAR RESISTANCE, drug effects

2754. **Nanu-Ionescu L, Marcean R, Ionescu V:** Acţiunea unui preparat peptidic de miocard asupra funcţiei ovariene la şoarece.
Stud Cercet Endocrinol 24:193-8, 1973 (Rum)
ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CORTICOTROPIN, secretion/ ESTRUS, drug effects/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ MICE/ MYOCARDIUM/ ORGAN WEIGHT/ *OVARY, drug effects/ OVARY, metabolism/ *PEPTIDES, pharmacodynamics/ *TISSUE EXTRACTS, pharmacodynamics

2755. **Narang N, Narang S, Kitzmiller JB, et al:** Evolutionary changes in the banding patterns of salivary gland chromosomes in the genus Anopheles, subgenus Cellia. J Med Entomol 10:13-22, 31 Jan 73
ANIMAL EXPERIMENTS/ *ANOPHELES, cytology/ CHROMOSOME MAPPING/ *CHROMOSOMES/ EVOLUTION/ SALIVARY GLANDS, cytology/ SEX CHROMOSOMES

2756. **Narayanan Y:** The phylogenetic relationships of the members of the Drosophila robusta group.
Genetics 73:319-50, Feb 73
ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ CHROMOSOMES, analysis/ CROSSES, GENETIC/ *DROSOPHILA/ *EVOLUTION/ FEMALE/ GANGLIA, cytology/ LARVA/ MALE/ MITOSIS/ POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES, analysis

2757. **Nardi I, Ragghianti M, Mancino G:** Banding patterns in newt chromosomes by the Giemsa stain.
Chromosoma 40:321-31, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ EMBRYO/ HETEROCHROMATIN/ *KARYOTYPING/ LARVA/ MALE/ METHODS/ MITOSIS/ PREGNANCY/ STAINS AND STAINING/ TESTIS, cytology/ *TRITURUS/ TRITURUS, classification

2758. **Nathanielsz PW, Abel M:** Initiation of parturition in the rabbit by maternal and foetal administration of cortisol: effect of rate and duration of administration: suppression of delivery by progesterone.
J Endocrinol 57:47-54, Apr 73
AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ FEMALE/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ *LABOR, INDUCED/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ TIME FACTORS

2759. **Nathanson JA, Greengard P:** Octopamine-sensitive adenylate cyclse: evidence for a biological role of octopamine in nervous tissue.
Science 180:308-10, 20 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, biosynthesis/ ANIMAL EXPERIMENTS/ COCKROACHES/ DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION/ GANGLIA, analysis/ *GANGLIA, enzymology/ NEURAL TRANSMISSION/ NORSYNEPHRINE, antagonists & inhibitors/ *NORSYNEPHRINE, pharmacodynamics/ NORSYNEPHRINE, physiology/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, pharmacodynamics

2760. **Naujoks H:** Seltene Portio-Abstrichbefunde unter Ovulationshemmer-Einnahme.
Fortschr Med 91:609-10, 17 May 73 (Ger)
ADULT/ AGED/ *CONTRACEPTIVES, ORAL, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ UTERUS, pathology/ *VAGINAL SMEARS

2761. **Navarrete R, Ramírez-Acosta J, Vázquez A, et al:** The antidiuretic action of chlorpropamide and other oral hypoglycemic drugs. Studies in normal subjects and in diabetes insipidus patients.
Rev Invest Clin 24:389-99, Oct-Dec 72
ADMINISTRATION, ORAL/ CHLORPROPAMIDE, administration & dosage/ *CHLORPROPAMIDE, pharmacodynamics/ CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ HUMAN/ *KIDNEY, drug effects/ OSMOLAR CONCENTRATION

2762. **Nayar KK:** Fertility control and pheromones.
Indian J Physiol Pharmacol 16:191-2, Jul-Sep 72
ANIMAL EXPERIMENTS/ ANTS/ BEES/ CROWDING/ FEMALE/ *FERTILITY, drug effects/ GONADS, growth & development/ HUMAN/ JUVENILE HORMONES, physiology/ MACACA/ MALE/ MENSTRUATION/ MICE/ MONKEYS/ *PHEROMONES, physiology/ PREGNANCY/ PSEUDOPREGNANCY/ SEX BEHAVIOR, ANIMAL, drug effects

2763. **Nayler WG:** An effect of ouabain on the superficially-located stores of calcium in cardiac muscle cells. J Mol Cell Cardiol 5:101-10, Feb 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ HEART, physiology/ LANTHANUM, pharmacodynamics/ METHODS/ MUSCLE CRAMP, drug effects/ MUSCLES, metabolism/ MYOCARDIUM, cytology/ *MYOCARDIUM, drug effects/ MYOCARDIUM, metabolism/ OUABAIN, administration & dosage/ *OUABAIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TISSUE CULTURE

2764. **Neaves WB:** Brief communication: ultrastructural transformation of a murine Leydig-cell tumor after gonadotropin administration.
J Natl Cancer Inst 50:1069-73, Apr 73
ANIMAL EXPERIMENTS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ *GONADOTROPINS, CHORIONIC,

pharmacodynamics/ *LEYDIG CELL TUMOR, pathology/ MALE/ MICE/ MICE, INBRED C57BL/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NEOPLASMS, EXPERIMENTAL, pathology/ SEMINAL VESICLES, pathology/ *TESTICULAR NEOPLASMS, pathology/ *TESTIS, pathology

2765. Nedok A: Razvoj uznapredovalog atrioventrikulnog bloka u akutnom infarktu miokarda.
Srp Arh Celok Lek 100:735-51, Jun 72 (Ser)
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HEART BLOCK, drug therapy/ *HEART BLOCK, etiology/ HEART CONDUCTION SYSTEM/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, complications/ ORCIPRENALINE, therapeutic use

2766. Nedoma K: Psychosexuální infantilismus a PPG-diagnostika.
Cesk Psychiatr 69:96-101, Apr 73 (Cze)
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INFANTILISM, diagnosis/ MALE/ PENIS/ PLETHYSMOGRAPHY/ *PSYCHOSEXUAL DEVELOPMENT/ SEX DIFFERENTIATION DISORDERS, diagnosis

2767. Neelon FA, Birch BM, Drezner M, et al: Urinary cyclic adenosine monophosphate as an aid in the diagnosis of hyperparathyroidism. Lancet 1:631-3, 24 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADULT/ BLOOD UREA NITROGEN/ BONE NEOPLASMS, diagnosis/ BREAST NEOPLASMS/ CREATININE, urine/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERCALCEMIA, diagnosis/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, urine/ LUNG NEOPLASMS/ MALE/ MULTIPLE MYELOMA, diagnosis/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS/ RECTAL NEOPLASMS

2768. Neer EJ: Vasopressin-responsive, soluble adenylate cyclase from the rat renal medulla.
J Biol Chem 248:3742-4, 25 May 73
ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, enzymology/ CELLULOSE, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ DETERGENTS, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ GEL FILTRATION/ *KIDNEY, enzymology/ KIDNEY MEDULLA, enzymology/ KIDNEY MEDULLA, metabolism/ MALE/ MOLECULAR WEIGHT/ OSMOLAR CONCENTRATION/ PHOSPHOLIPIDS, metabolism/ RATS/ SOLUBILITY/ TRITIUM/ ULTRACENTRIFUGATION/ *VASOPRESSIN, pharmacodynamics

2769. Neering H, Kroon HV van der, Roeleveld CG: Treatment of localized skin lesions with betamethasone 17-valerate and triamcinolone acetonide in alcoholic solution under occlusive dressing. A double blind comparative study. Dermatologica 145:395-9, 1972
ADOLESCENCE/ ADULT/ AGED/ ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, PROPYL, administration & dosage/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, adverse effects/ *BETAMETHASONE, therapeutic use/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ECZEMA, drug therapy/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYCOSIS FUNGOIDES, drug therapy/ OCCLUSIVE DRESSINGS/ PSORIASIS, drug therapy/ *SKIN DISEASES, drug therapy/ SOLUTIONS/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, adverse effects/ *TRIAMCINOLONE ACETONIDE, therapeutic use/ VALERATES

2770. Nejad IF, Bollinger JA, Mitnick M, et al: Importance of T 3 (triiodothyronine) secretion in altered states of thyroid function in the rat: cold exposure, subtotal thyroidectomy, and hypophysectomy.
Trans Assoc Am Physicians 85:295-308, 1972
ANIMAL EXPERIMENTS/ *COLD/ GUINEA PIGS/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, physiopathology/ HYPOPHYSECTOMY/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, physiopathology/ IODINE ISOTOPES/ METHODS/ RADIOIMMUNOASSAY/ RATS/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROIDECTOMY/ THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, pharmacodynamics/ *TRIIODOTHYRONINE, secretion

2771. Nelson GH: Lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment.
Am J Obstet Gynecol 116:292, 15 May 73
*AMNIOTIC FLUID, metabolism/ DEXAMETHASONE, pharmacodynamics/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ *LECITHINS, metabolism/ *METHOTREXATE, therapeutic use/ NEOPLASMS, drug therapy/ PREGNANCY/ *SPHINGOMYELINS, metabolism

2772. Nelson JH: The use of the mini pill in private practice.
J Reprod Med 10:139-43, Mar 73 (33 ref.)
ADMINISTRATION, ORAL/ CARBOHYDRATES, metabolism/ CONVULSIONS, chemically induced/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ LIPIDS, metabolism/ *MEGESTROL, administration & dosage/ MEGESTROL, adverse effects/ MEGESTROL, pharmacodynamics/ MENSTRUATION DISORDERS, chemically induced/ PIGMENTATION, drug effects/ PROGESTATIONAL HORMONES, antagonists & inhibitors/ REVIEW

2773. Nelson JS, Wakefield PL: The quantitative histochemistry of the sympathoadrenal system. I. Enzymes of glycolysis.
J Histochem Cytochem 21:184-8, Feb 73
ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CEREBELLAR CORTEX, enzymology/ GANGLIA, AUTONOMIC, enzymology/ GANGLIA, SPINAL, enzymology/ *GLUCOSEPHOSPHATE ISOMERASE, analysis/ *GLYCOLYSIS/ *HEXOKINASE, analysis/ *LACTATE DEHYDROGENASE, analysis/ MALE/ *PHOSPHOFRUCTOKINASE, analysis/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, enzymology

2774. Nelson LW, Botta JA Jr, Weikel JH Jr: Estrogenic activity of norethindrone in the immature female beagle.
Res Commun Chem Pathol Pharmacol 5:879-82, May 73
ANIMAL EXPERIMENTS/ *CERVIX UTERI, drug effects/ DOGS/ ESTRADIOL, pharmacodynamics/ FEMALE/ MAMMAE, drug effects/ NORETHINDRONE, pharmacodynamics. OVARY, drug effects/ PROGESTERONE, pharmacodynamics/ *UTERUS, drug effects/ *VAGINA, drug effects

2775. Nelson R, McNeish AS, Anderson CM: Coeliac disease in children of Asian immigrants.
Lancet 1:348-50, 17 Feb 73
ADOLESCENCE/ BIOPSY/ CELIAC DISEASE, complications/ CELIAC DISEASE, diagnosis/ *CELIAC DISEASE, occurrence/ CELIAC DISEASE, pathology/ CELIAC DISEASE, therapy/ CHILD/ CHILD, PRESCHOOL/ DIET THERAPY/ EMIGRATION AND IMMIGRATION/ FEMALE/ GLUTEN, adverse effects/ GREAT BRITAIN/ HUMAN/ INDIA/ INFANT/ INTESTINAL MUCOSA, pathology/ JEJUNUM/ MALE/ PAKISTAN/ RICKETS, etiology/ RICKETS, occurrence/ SEX FACTORS

2776. Němec J: Nemoci štítné žlázy.

Zdrav Prac 23:132-4, Mar 73 (Cze)
SPECIAL LIST NURSING/ THYROID DISEASES

2777. **Nemerson Y:** Diagnosis of hemorrhagic disorders.
Med Clin North Am 57:531-41, Mar 73 (30 ref.)
BLOOD COAGULATION/ BLOOD COAGULATION DISORDERS, blood/ BLOOD COAGULATION DISORDERS, congenital/ *BLOOD COAGULATION DISORDERS, diagnosis/ BLOOD COAGULATION DISORDERS, etiology/ BLOOD COAGULATION DISORDERS, immunology/ BLOOD COAGULATION TESTS/ CALCIUM, metabolism/ FACTOR V, metabolism/ FACTOR VIII, metabolism/ FACTOR IX, metabolism/ FACTOR X, metabolism/ FACTOR XII, metabolism/ FIBRIN, metabolism/ FIBRINOGEN, analysis/ HUMAN/ LIVER DISEASES, complications/ PHOSPHOLIPIDS, metabolism/ PROTHROMBIN, metabolism/ PROTHROMBIN TIME/ REVIEW/ THROMBOPLASTIN/ VITAMIN K DEFICIENCY, complications

2778. **Nenno DJ, Loehfelm G:** Clinical trial of a topical foam for episiotomies.
Med Times 101:123-5, Apr 73
ADOLESCENCE/ ADULT/ DRUG COMBINATIONS/ EDEMA, prevention & control/ *EPISIOTOMY/ *ETHERS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ *MORPHOLINES, therapeutic use/ *POSTOPERATIVE COMPLICATIONS, prevention & control

2779. **Nesbakken R:** Aspects of free fatty acid metabolism during induced hypothermia.
Scand J Clin Lab Invest 31:Suppl 131:1-72, 1973
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ADULT/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD SUGAR, metabolism/ BODY TEMPERATURE/ CARBON ISOTOPES/ CATECHOLAMINES, antagonists & inhibitors/ DOGS/ ERGOT ALKALOIDS, HYDROGENATED, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLUCOSE TOLERANCE TEST/ GLYCERIN, blood/ GLYCERIN, metabolism/ HUMAN/ *HYPOTHERMIA, INDUCED/ LIVER, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ NICOTINIC ACID, pharmacodynamics/ PALMITIC ACID, metabolism/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RADIOISOTOPE DILUTION TECHNIC/ SPECIES SPECIFICITY/ TIME FACTORS

2780. **Nett TM, Akbar AM, Niswender GD, et al:** A radioimmunoassay for gonadotropin-releasing hormone (Gn-RH) in serum.
J Clin Endocrinol Metab 36:880-5, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS/ HALF-LIFE/ HYPOTHALAMUS/ IODINE ISOTOPES/ MACACA/ MALE/ METHODS/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP/ SWINE

2781. **Netter A, Gorins A, Franchimont P, et al:** Etude des taux de FSH et de LH plasmatiques et de leur réponse au clomiphène au cours de 3 cas de syndrome aménorrhée galactorrhée.
Ann Endocrinol (Paris) 33:53-63, Jan-Feb 72 (Fre)
ADULT/ *AMENORRHEA, diagnosis/ AMENORRHEA, etiology/ BENZOATES, adverse effects/ *CLOMIPHENE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ HYPOPHYSECTOMY/ *LACTATION DISORDERS, diagnosis/ LACTATION DISORDERS, etiology/ *LH, blood/ METYRAPONE, diagnostic use/ MYOMA, complications/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PYRROLIDINES, adverse effects/ SULFONAMIDES, adverse effects

2782. **Neufeld AH, Chavis RM, Sears ML:** Degeneration release of norepinephrine causes transient ocular hyperemia mediated by prostaglandins.
Invest Ophthalmol 12:167-75, Mar 73
ANIMAL EXPERIMENTS/ *CONJUNCTIVA, blood supply/ FLUORESCENCE ANGIOGRAPHY/ *HYPEREMIA, etiology/ INDOMETHACIN, pharmacodynamics/ INTRAOCULAR PRESSURE/ *IRIS, blood supply/ MALE/ METHYLTYROSINES, pharmacodynamics/ *NERVE DEGENERATION/ *NOREPINEPHRINE, secretion/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ RABBITS/ *SYMPATHECTOMY/ TIME FACTORS

2783. **Neumann F:** Antiandrogene.
Med Klin 68:329-33, 16 Mar 73 (57 ref.) (Ger)
ACNE, drug therapy/ ALOPECIA, drug therapy/ *ANDROGENS, antagonists & inhibitors/ BONE DEVELOPMENT, drug effects/ CYPROTERONE, pharmacodynamics/ CYPROTERONE, therapeutic use/ FEMALE/ GROWTH, drug effects/ HIRSUTISM, drug therapy/ HUMAN/ HYPERTRICHOSIS, drug therapy/ LIBIDO, drug effects/ MALE/ PROSTATE, drug effects/ PROSTATIC NEOPLASMS, drug therapy/ PUBERTY, PRECOCIOUS, drug therapy/ REVIEW/ SEMINAL VESICLES, drug effects/ SEX DISORDERS, drug therapy/ SKIN, drug effects

2784. **Nevelichuk VV:** Pro antyarytmichnu aktvnist' diiodtyrozynu i merkazoliiu.
Fiziol Zh 18:819-21, Nov-Dec 72 (Ukr)
ANIMAL EXPERIMENTS/ *DIIODOTYROSINE, pharmacodynamics/ HEART RATE, drug effects/ RATS/ *THYROID ANTAGONISTS, pharmacodynamics/ *VENTRICULAR FIBRILLATION, drug therapy

2785. **Neville WE Jr, Williams DJ 3d:** Estrus, ovulation and conception in hormone treated prepuberal Hereford heifers.
J Anim Sci 36:540-5, Mar 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, drug effects/ DIHYDROXYPROGESTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ *FERTILIZATION, drug effects/ FSH, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, drug effects/ LH, pharmacodynamics/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ *OVULATION, drug effects/ PREGNANCY

2786. **Newcombe DS:** Endocrinopathies and uric acid metabolis.
Semin Arthritis Rheum 2:281-300, 1972-73 (54 ref.)
ACROMEGALY, complications/ ACUTE DISEASE/ ADENOMA, complications/ ADULT/ AGED/ BLOOD UREA NITROGEN/ CALCINOSIS, complications/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ CHONDROCALCINOSIS, complications/ DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, familial & genetic/ *ENDOCRINE DISEASES, metabolism/ FEMALE/ *GOUT, etiology/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, complications/ KIDNEY DISEASES, complications/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, therapeutic use/ POLYURIA, complications/ POSTOPERATIVE COMPLICATIONS/ PSEUDOHYPOPARATHYROIDISM, complications/ REVIEW/ SCALENUS ANTICUS

SYNDROME, drug therapy/ *URIC ACID, metabolism/ VASOPRESSIN, therapeutic use

2787. Nichelmann M, Lyhs L: Nervale Grundlagen der Temperaturregulation bei landwirtschaftlichen Nutztieren.
Monatsh Vet Med 27:703-13, 15 Sep 72 (Ger)
ANIMAL EXPERIMENTS/ *ANIMALS, DOMESTIC/ *BODY TEMPERATURE REGULATION/ CATTLE/ *CENTRAL NERVOUS SYSTEM, physiology/ ENGLISH ABSTRACT/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ REVIEW/ SKIN, innervation/ SKIN, physiology/ SKIN TEMPERATURE/ SPINAL CORD, physiology/ TEMPERATURE SENSE/ THERMORECEPTORS, physiology

2788. Nicholson WE, Van Loon GR: Some practical innovations in the biological assay of adrenocorticotropic hormone (ACTH).
J Lab Clin Med 81:803-8, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CORTICOSTERONE, blood/ *CORTICOTROPIN, analysis/ CORTICOTROPIN, pharmacodynamics/ FLUOROMETRY/ HYPOPHYSECTOMY/ MALE/ METHODS/ MICROCHEMISTRY/ RATS/ SULFURIC ACIDS/ TIME FACTORS

2789. Nicolesco S: O gistofiziologii nekotorykh anomalii razvitiia.
Arkh Anat Gistol Embriol 63:5-11, Jul 72 (Rus)
*BRANCHIOMA, pathology/ *BREAST, abnormalities/ BREAST, pathology/ *DUODENUM, abnormalities/ DUODENUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PANCREAS, abnormalities/ PANCREAS, pathology/ *STOMACH, abnormalities/ STOMACH, pathology/ *THYROGLOSSAL CYST, pathology/ *THYROID GLAND, abnormalities/ THYROID GLAND, pathology

2790. Niedner W, Wagner F, Hofmann KD, et al: Der Einfluss von Askorbinsäure und Ostrogenen auf die Kathepsinaktivität des menschlichen Ovarialgewebes.
Zentralbl Gynaekol 95:247-52, 23 Feb 73 (Ger)
ADULT/ ASCORBIC ACID, analysis/ *ASCORBIC ACID, pharmacodynamics/ *CATHEPSIN, metabolism/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARY, analysis/ *OVARY, drug effects/ OVARY, enzymology

2791. Nielsen J, Friedrich U, Holm V, et al: Turner-phenotype in males. Clin Genet 4:58-63, 1973
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ *CRYPTORCHISM/ *DWARFISM/ FIBROBLASTS/ HUMAN/ KARYOTYPING/ LEUKOCYTES/ MALE/ MENTAL RETARDATION/ MOUTH MUCOSA, cytology/ PERSONALITY DEVELOPMENT/ SEX CHROMATIN/ SEX CHROMOSOMES/ SKIN, cytology/ *TURNER'S SYNDROME/ TURNER'S SYNDROME, familial & genetic

2792. Nielsen SP: Effects of magnesium on calcification of young bone in tissue culture.
Calcif Tissue Res 11:78-94, 25 Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *BONE DEVELOPMENT, drug effects/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM/ CALCIUM ISOTOPES/ FRONTAL BONE/ HYDROXYAPATITE/ IN VITRO/ *MAGNESIUM, pharmacodynamics/ MICE/ MICE, INBRED STRAINS/ OCCIPITAL BONE/ PARIETAL BONE/ SCINTILLATION COUNTERS/ TIME FACTORS/ TISSUE CULTURE

2793. Nieminen U, Purola E: Factors influencing the prognosis of ovarian cystadenocarcinomas.
Prog Clin Cancer 5:237-47, 1973
ADHESIONS, etiology/ CYSTADENOCARCINOMA, diagnosis/ *CYSTADENOCARCINOMA, mortality/ CYSTADENOCARCINOMA, radiotherapy/ CYSTADENOCARCINOMA, surgery/ FEMALE/ GOLD ISOTOPES, therapeutic use/ HUMAN/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ PROGNOSIS/ RUPTURE, SPONTANEOUS, etiology

2794. Nienstedt W, Harri MP, Hartiala K: Intestinal absorption and metabolism of androstenedione in the dog. I. In vivo experiments.
Steroids Lipids Res 3:193-200, 1972
*ANDROGENS, metabolism/ ANDROSTANES, blood/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, administration & dosage/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, blood/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DOGS/ GLUCURONATES, blood/ HYDROXYSTEROIDS, blood/ INJECTIONS, INTRA-ARTERIAL/ INTESTINAL ABSORPTION/ INTESTINE, SMALL, blood supply/ *INTESTINE, SMALL, metabolism/ INTUBATION, GASTROINTESTINAL/ 17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, metabolism/ KETOSTEROIDS, blood/ MALE/ TESTOSTERONE, blood

2795. Nieschlag E, Loriaux DL, Ruder HJ, et al: The secretion of dehydroepiandrosterone and dehydroepiandrosterone sulphate in man.
J Endocrinol 57:123-34, Apr 73
ADRENAL GLANDS, drug effects/ ADULT/ CIRCADIAN RHYTHM/ CORTICOTROPIN, pharmacodynamics/ DEHYDROEPIANDROSTERONE, blood/ *DEHYDROEPIANDROSTERONE, secretion/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HIRSUTISM, blood/ HUMAN/ HYDROCORTISONE, blood/ MALE/ OVARY, secretion/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ STERILITY, MALE, blood/ STIMULATION, CHEMICAL/ SULFATES, secretion/ TESTIS, secretion/ TESTOSTERONE, blood/ VEINS

2796. Nieschlag E, Usadel KH, Kley HK, et al: Induktion biologisch frustraner Hyperfunktion und Hypertrophie endokriner Drüsen durch aktive Immunisierung gegen das Effektorhormon. Ein neuer pathogenetischer Mechanismus.
Dtsch Med Wochenschr 98:469-71, 9 Mar 73 (Ger)
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BINDING SITES, ANTIBODY/ *ENDOCRINE DISEASES, immunology/ ENGLISH ABSTRACT/ FEEDBACK/ *HYPERPITUITARISM, immunology/ *HYPERTHYROIDISM, immunology/ HYPERTROPHY/ IMMUNITY, ACTIVE/ IMMUNIZATION/ MALE/ METHODS/ PROTEIN BINDING/ RABBITS/ *TESTIS, immunology/ TESTIS, pathology/ TESTOSTERONE/ THYROID GLAND, pathology/ THYROXINE/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE

2797. Niewiarowski S, Markiewicz M, Nath N: Inhibition of the platelet-dependent fibrin retraction by the fibrin stabilizing factor (FSF, factor 13).
J Lab Clin Med 81:641-50, May 73
AMIDES/ ANIMAL EXPERIMENTS/ *BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ ESTERS/ *FACTOR XIII, pharmacodynamics/ *FIBRIN, metabolism/ FIBRINOGEN, pharmacodynamics/ GLYCINE, pharmacodynamics/ HUMAN/ IN VITRO/ PLATELET ADHESIVENESS, drug effects/ RATS/ SEROTONIN, metabolism/ SOLUBILITY/ THROMBIN, pharmacodynamics/ TRITIUM

2798. Nightingale DA, Bush GH: A clinical comparison between tubocurarine and pancuronium in children.
Br J Anaesth 45:63-70, Jan 73
ADOLESCENCE/ AGE FACTORS/ *ANDROSTANES, pharmacodynamics/ BLOOD

PRESSURE, drug effects/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *CURARE-LIKE AGENTS, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ HUMAN/ INFANT/ INTUBATION, INTRATRACHEAL/ MOTOR ACTIVITY, drug effects/ PANCURONIUM, administration & dosage/ PANCURONIUM, pharmacodynamics/ PREANESTHETIC MEDICATION/ TIME FACTORS/ TUBOCURARINE, administration & dosage/ *TUBOCURARINE, pharmacodynamics

2799. **Niles JL, Coletti JM Jr, Wilson C:** Biomechanical evaluation of bone-porous material interfaces.
J Biomed Mater Res 7:231-51, Mar 73
ANIMAL EXPERIMENTS/ *BIOMECHANICS/ BONE AND BONES, physiology/ BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CERAMICS/ DOGS/ ELASTICITY/ FEMUR/ HUMERUS/ METHODS/ *ORTHOPEDIC FIXATION DEVICES/ POLYMERS/ PROSTHESIS

2800. **Nilsson F, Segerström A:** Influence of parathyroid function on the propulsive motility of the small intestine in the rat.
Acta Chir Scand 139:60-2, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, blood/ CHROMIUM ISOTOPES/ *GASTROINTESTINAL MOTILITY/ *HYPERPARATHYROIDISM, physiopathology/ *HYPOPARATHYROIDISM, physiopathology/ INTESTINE, SMALL, physiopathology/ MALE/ PARATHYROID GLANDS, physiopathology/ RATS

2801. **Nilsson T, Müntzing J:** Histochemical and biochemical investigation of advanced prostatic carcinoma treated with estramustine phosphate, Estracyt.
Scand J Urol Nephrol 7:18-22, 1973
ACID PHOSPHATASE, metabolism/ AGED/ ALKALINE PHOSPHATASE, metabolism/ ANTINEOPLASTIC AGENTS/ BIOPSY/ CARCINOMA, drug therapy/ *CARCINOMA, enzymology/ CARCINOMA, pathology/ ESTERASES, metabolism/ *ESTRADIOL, therapeutic use/ ESTROGENS, therapeutic use/ GLUCURONIDASE, metabolism/ HUMAN/ LEUCINE AMINOPEPTIDASE, metabolism/ MALE/ MIDDLE AGE/ *MUSTARD COMPOUNDS, therapeutic use/ NEOPLASM METASTASIS/ PIGMENTS/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, pathology

2802. **Nilsson T, Müntzing J:** Histochemical and biochemical enzyme studies in prostatic carcinomatous tissue before and during treatment with estrogen.
Scand J Urol Nephrol 7:14-7, 1973
ACID PHOSPHATASE, metabolism/ ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, enzymology/ *ADENOCARCINOMA, enzymology/ AGED/ ALKALINE PHOSPHATASE, metabolism/ AMINOPEPTIDASES, metabolism/ BIOPSY, NEEDLE/ ESTERASES, metabolism/ *ESTRADIOL, therapeutic use/ *ETHINYL ESTRADIOL, therapeutic use/ GLUCURONIDASE, metabolism/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, enzymology/ SPECTROPHOTOMETRY

2803. **Ninomiya JG, Gijón E, Alonso-deFlorida F:** Anaphylactic reaction in the phrenic nerve of the guinea-pig.
Int J Neurosci 3:291-8, Jun 72
ACTION POTENTIALS/ *ANAPHYLAXIS, physiopathology/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ COLD/ DESENSITIZATION/ ELECTRIC STIMULATION/ FREUND'S ADJUVANT/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ HORMONES, secretion/ MEMBRANE POTENTIALS/ MEMBRANES, immunology/ OVALBUMIN/ PHRENIC NERVE, drug effects/ *PHRENIC NERVE, immunology/ PHRENIC NERVE, physiopathology/ PHRENIC NERVE, secretion/ SERUM ALBUMIN

2804. **Nishchymenko OV:** Spivvidnoshennia neĭtral'nykh 17-ketosteroĭdiv, estroheniv i honadotropiniv u sechi khvorykh na endokrynny formu porushennis statevoï funktsiï.
Fiziol Zh 18:627-31, Sep-Oct 72 (Ukr)
ADULT/ *ENDOCRINE DISEASES, urine/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ *ESTROGENS, urine/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ *IMPOTENCE, urine/ *17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE

2805. **Nishimura H, Ogawa M, Sawyer WH:** Renin-angiotensin system in primitive bony fishes and a holocephalian.
Am J Physiol 224:950-6, Apr 73
*ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ EVOLUTION/ FISHES, anatomy & histology/ FISHES, enzymology/ *FISHES, physiology/ JUXTAGLOMERULAR APPARATUS, anatomy & histology/ *KIDNEY, enzymology/ PHYSIOLOGY, COMPARATIVE/ *RENIN, metabolism

2806. **Nissen-Meyer R:** Gonadotropinene og samspillet hypothalamus--hypofyse--gonader. II. Før puberten, etter menopausen og hos eldre menn.
Tidsskr Nor Laegeforen 92:2177-80, 20 Nov 72 (Nor)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ ESTRONE, urine/ FEMALE/ *GONADOTROPINS, PITUITARY, blood/ *GONADS/ HUMAN/ *HYPOTHALAMUS, physiology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, secretion/ PREGNANEDIOL, urine/ PREGNANETRIOL, urine/ PUBERTY/ SEX FACTORS/ TESTOSTERONE, blood

2807. **Nissimov R, Machtey I, Salomon M:** [Thyroid carcinoma with pericardial involvement simulating rheumatic heart disease]
Harefuah 84:83-7, 15 Jan 73 (Heb)
*CARCINOMA, complications/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PERICARDITIS, diagnosis/ *PERICARDITIS, etiology/ RHEUMATIC HEART DISEASE, diagnosis/ *THYROID NEOPLASMS, complications

2808. **Nitecka L, Zawistowska H, Bialowąs J:** Nuclei of the amygdaloid body in cats--structure and acetylocholinesterase activity.
Folia Morphol (Warsz) 32:39-50, 1973
*ACETYLCHOLINESTERASE, analysis/ AMYGDALOID BODY, cytology/ *AMYGDALOID BODY, enzymology/ ANIMAL EXPERIMENTS/ BUTYRATES/ *CATS, anatomy & histology/ CELL NUCLEUS, enzymology/ CHOLINESTERASE, analysis

2809. **Nitzan M, Laron Z, Pertzelan A, et al:** McCune-Albright syndrome with sexual precocity in a boy.
Helv Paediatr Acta 28:61-5, Mar 73
ADOLESCENCE/ ELECTROENCEPHALOGRAPHY/ ENDOCRINE DISEASES, diagnosis/ ENDOCRINE DISEASES, radiography/ *FIBROUS DYSPLASIA OF BONE, complications/ FIBROUS DYSPLASIA OF BONE, diagnosis/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ PIGMENTATION DISORDERS, diagnosis/ PIGMENTATION DISORDERS, radiography/ PUBERTY, PRECOCIOUS, diagnosis/ *PUBERTY, PRECOCIOUS, etiology/ SYNDROME

2810. **Nitzsche H, Widera A, Wiegleb C:** Was leistet die Lymphographie bei der Manifestation maligner Prozesse oberhalb des Zwerchfells.
Fortschr Geb Roentgenstr Nuklearmed 118:179-85, Feb 73 (Ger)
ADENOCARCINOMA, radiography/ ADOLESCENCE/ ADULT/ AGED/ CERVIX NEOPLASMS, radiography/ CHILD/ DIAPHRAGM/ DISGERMINOMA, radiography/

ENGLISH ABSTRACT/ FEMALE/ FOOT/ HODGKIN'S DISEASE, radiography/ HUMAN/ KIDNEY NEOPLASMS, radiography/ LYMPHATIC METASTASIS/ *LYMPHOGRAPHY/ MALE/ MEDIASTINUM/ METHODS/ MIDDLE AGE/ NECK/ NEOPLASM METASTASIS/ *NEOPLASMS, radiography/ SARCOMA, RETICULUM CELL, radiography/ TOMOGRAPHY, RADIOGRAPHIC

2811. **Nixon GW, Gwinn JL:** The roentgen manifestations of leukemia in infancy. Radiology 107:603-9, Jun 73
*BONE AND BONES, radiography/ BONE RESORPTION, radiography/ FEMUR, radiography/ FIBULA, radiography/ HUMAN/ INFANT/ *LEUKEMIA, radiography/ LUNG, radiography/ PLEURAL EFFUSION, radiography/ RETROSPECTIVE STUDIES/ SKULL, radiography/ SPINE, radiography/ SPLENOMEGALY, radiography/ TIBIA, radiography/ ULNA, radiography

2812. **Niżankowski C:** Seltner Fall eines gemeinsamen Stammes der Schilddrüsenzungengesichtsschlagader beim Menschen (Truncus thyrolinguofacialis.
Anat Anz 132:530-4, 1972 (Ger)
*ARTERIES, abnormalities/ CAUCASIAN RACE/ ENGLAND/ ETHNIC GROUPS/ FACE, blood supply/ GERMANY/ HUMAN/ ITALY/ MALE/ MIDDLE AGE/ MONGOLOID RACE/ *THYROID GLAND, blood supply/ *TONGUE, blood supply

2813. **Njoku CO, Dennis SM:** Listeric abortion studies in sheep. IV. Histopathologic comparison of natural and experimental infection. Cornell Vet 63:211-9, Apr 73
ABORTION, VETERINARY, etiology/ *ABORTION, VETERINARY, pathology/ AMNION/ ANIMAL EXPERIMENTS/ FEMALE/ FETUS/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LISTERIA INFECTIONS, etiology/ LISTERIA INFECTIONS, pathology/ *LISTERIA INFECTIONS, veterinary/ LISTERIA MONOCYTOGENES/ LIVER, pathology/ LUNG, pathology/ MATERNAL-FETAL EXCHANGE/ PLACENTA, pathology/ PLACENTA DISORDERS, pathology/ PLACENTA DISORDERS, veterinary/ PREGNANCY/ SHEEP/ SHEEP DISEASES, etiology/ *SHEEP DISEASES, pathology

2814. **Njoku CO, Dennis SM, Noordsy JL:** Listeric abortion studies in sheep. 3. Feto-placental-myometrial interaction. Cornell Vet 63:193-210, Apr 73
*ABORTION, VETERINARY, physiopathology/ AMNION/ ANIMAL EXPERIMENTS/ FEMALE/ FETAL DEATH, physiopathology/ FETAL DEATH, veterinary/ FETUS/ *FETUS/ HYPOPHYSECTOMY/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ LISTERIA INFECTIONS, physiopathology/ *LISTERIA INFECTIONS, veterinary/ LISTERIA MONOCYTOGENES, analysis/ PITUITARY GLAND, physiopathology/ *PLACENTA, physiopathology/ PLACENTA DISORDERS, physiopathology/ PLACENTA DISORDERS, veterinary/ PREGNANCY/ SHEEP/ *SHEEP DISEASES, physiopathology/ *UTERUS, physiopathology

2815. **Ncra JJ, Nora AH:** Birth defects and oral contraceptives. Lancet 809:941-2, 28 Apr 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEART DEFECTS, CONGENITAL, chemically induced/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROGESTATIONAL HORMONES, adverse effects/ RETROSPECTIVE STUDIES/ SYNDROME

2816. **Norden CW, Dickens DR:** Experimental osteomyelitis. 3. Treatment with cephaloridine.
J Infect Dis 127:525-8, May 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CEPHALORIDINE, metabolism/ *CEPHALORIDINE, pharmacodynamics/ *OSTEOMYELITIS, drug therapy/ RABBITS

2817. **Noriega-Guerra L, Arévalo N, Guerrero C, et al:** Efecto de las prostaglandinas E 2 y F 2 sobre la contractilidad uterina.
Arch Invest Med (Mex) 3:Suppl 1:201-12, 1972 (Spa)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ LABOR, INDUCED/ METHODS/ *MUSCLE CONTRACTION, drug effects/ OXYTOCIN, administration & dosage/ OXYTOCIN, adverse effects/ PREGNANCY/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ RESPIRATION, drug effects/ *UTERUS, drug effects/ VAGINA

2818. **Norman N:** Klinisk-biokjemisk måling av hypofysefunksjonen.
Tidsskr Nor Laegeforen 92:2160-6, 20 Nov 72 (Nor)
ADULT/ AGED/ ARGININE, pharmacodynamics/ BINDING SITES, ANTIBODY/ BLOOD SUGAR, analysis/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ EOSINOPHILS, analysis/ EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, pharmacodynamics/ IODINE ISOTOPES/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, physiopathology/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONES, blood/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL

2819. **Norrdin RW, Krook L, Pond WG, et al:** Experimental zinc deficiency in weanling pigs on high and low calcium diets. Cornell Vet 63:264-90, Apr 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE RESORPTION/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, DIETARY, metabolism/ DEFICIENCY DISEASES, metabolism/ DEFICIENCY DISEASES, pathology/ DEFICIENCY DISEASES, veterinary/ DIET/ FEMUR, analysis/ HUMERUS, analysis/ KERATOSIS, pathology/ KERATOSIS, veterinary/ LIVER, analysis/ LUMBAR VERTEBRAE, analysis/ PARATHYROID GLANDS, pathology/ PHOSPHORUS, blood/ SKIN, pathology/ SWINE/ SWINE DISEASES, metabolism/ *SWINE DISEASES, pathology/ WEANING/ *ZINC/ ZINC, analysis

2820. **Northrup RS:** Developments with bacterial vaccines: cholera. Prog Immunobiol Stand 5:328-9, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CHOLERA, metabolism/ CHOLERA, occurrence/ *CHOLERA, prevention & control/ CHOLERA, therapy/ *CHOLERA VACCINE/ EUROPE/ HUMAN/ INTESTINAL MUCOSA, metabolism/ TOXINS/ TOXOIDS/ VIBRIO COMMA, immunology

2821. **Noszkay A:** Fejlödés az idös férfikor két jellegzetes megbetegedésének gyógykezelésében.
Orv Hetil 114:971-6, 29 Apr 73 (Hun)
AGED/ AGING/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATECTOMY/ *PROSTATIC HYPERTROPHY, therapy/ *PROSTATIC NEOPLASMS, therapy/ SEX HORMONES, therapeutic use

2822. **Nothmann BJ, Chittinand S, Schuster MM:** Reversible mesenteric vascular occlusion associated with oral contraceptives. Am J Dig Dis 18:361-8, May 73
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ DIARRHEA, etiology/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HEMATOCRIT/ HUMAN/ *ILEUM/ LIVER FUNCTION TESTS/ *MESENTERIC VASCULAR OCCLUSION, chemically induced/ MESENTERIC VASCULAR OCCLUSION, complications/ MESENTERIC VASCULAR OCCLUSION, pathology/ MESENTERIC VASCULAR OCCLUSION, radiography/ NORGESTREL, adverse effects/ PAIN, etiology

2823. **Novak RF, Dainiak N Jr:** The effect of infusion sets on platelet concentrates as measured by aggregometry.
Vox Sang 23:561-4, Dec 72
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADULT/ *BLOOD PLATELETS/ *BLOOD TRANSFUSION, instrumentation/ COLLAGEN, pharmacodynamics/ EDTA, pharmacodynamics/ HUMAN/ NYLON/ PLASTICS/ *PLATELET ADHESIVENESS/ SEROTONIN, pharmacodynamics

2824. **Nussdorfer GC, Mazzocchi G:** Effects of 3',5'-cyclic nucleotides on adrenocortical cells of hypophysectomized rats. A stereologic and autoradiographic study.
Lab Invest 28:332-42, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *HYPOPHYSECTOMY/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ ORGAN WEIGHT/ RATS/ RNA, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism

2825. **Nwokolo C, Imohiosen EA:** Strongyloidiasis of respiratory tract presenting as "asthma".
Br Med J 2:153-4, 21 Apr 73
ADOLESCENCE/ *ASTHMA, diagnosis/ COUGH/ DIAGNOSIS, DIFFERENTIAL/ DIETHYLCARBAMAZINE, therapeutic use/ EOSINOPHILS/ FEMALE/ HEMOGLOBIN, analysis/ HUMAN/ LARVA, isolation & purification/ LEUKOCYTE COUNT/ *LUNG DISEASES, PARASITIC, diagnosis/ LYMPHOCYTES/ NEUTROPHILS/ PARASITE EGG COUNT/ SPUTUM/ STEROIDS, adverse effects/ *STRONGYLOIDIASIS, diagnosis/ STRONGYLOIDIASIS, drug therapy/ THIABENDAZOLE, therapeutic use

2826. **Nyberg-Hansen R:** Hypothalamus--hypofysen. Funksjoneli-anatomiske synspunkter.
Tidsskr Nor Laegeforen 92:2137-41, 20 Nov 72 (Nor)
ANIMAL EXPERIMENTS/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ MICROSCOPY, ELECTRON/ NEURAL INTERCONNECTIONS/ PITUITARY GLAND, blood supply/ PITUITARY GLAND, metabolism/ PITUITARY HORMONES, POSTERIOR, biosynthesis/ RATS

O

2827. **Oberemchenko IaV, Proshchenko NL, Mikhal'skii VZ, et al:** Lechenie ostrykh narushenii atrioventrikuliarnoi provodimosti.
Vrach Delo 10:28-34, Oct 72 (Rus)
*ADAMS-STOKES SYNDROME, drug therapy/ ADAMS-STOKES SYNDROME, etiology/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ *HEART BLOCK, drug therapy/ HEART BLOCK, etiology/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, complications

2828. **O'Brien TK, Tijtgat G, Ensinck JW:** Alimentary hypoglycemia associated with the Zollinger-Ellison syndrome.
Am J Med 54:637-44, May 73
ADULT/ BICARBONATES, adverse effects/ BIOPSY/ BLOOD SUGAR, analysis/ DUODENUM, pathology/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, etiology/ *HYPOGLYCEMIA, etiology/ INSULIN, blood/ INSULIN, metabolism/ INSULIN, secretion/ PANCREAS, drug effects/ PANCREATIC DISEASES, secretion/ PANCREATIC NEOPLASMS, pathology/ SCOPOLAMINE, adverse effects/ STOMACH, drug effects/ ZOLLINGER-ELLISON SYNDROME, blood/ *ZOLLINGER-ELLISON SYNDROME, complications/ ZOLLINGER-ELLISON SYNDROME, immunology/ ZOLLINGER-ELLISON SYNDROME, metabolism/ ZOLLINGER-ELLISON SYNDROME, pathology

2829. **Ochoa EL, De Robertis E:** Receptor hydrophobic protein fraction from intestinal smooth muscle binding muscarinic ligands.
Biochim Biophys Acta 295:528-35, 21 Feb 73
*ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ *ATROPINE, metabolism/ CARBON ISOTOPES/ CATTLE/ DIBENAMINE, pharmacodynamics/ GEL FILTRATION/ HISTAMINE, pharmacodynamics/ INTESTINE, SMALL, analysis/ INTESTINE, SMALL, drug effects/ INTESTINE, SMALL, metabolism/ *MUSCLE PROTEINS, isolation & purification/ MUSCLE PROTEINS, metabolism/ MUSCLE, SMOOTH, analysis/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ RECEPTORS, CHOLINERGIC/ *RECEPTORS, DRUG/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TRITIUM/ TUBOCURARINE, metabolism

2830. **Ocon Pujada J, Alonso García A, García-Morán López M, et al:** Hiperparatiroidismo primario. Localización angiográfica de un adenoma paratiroideo aberrante.
Rev Clin Esp 128:521-4, 31 Mar 73 (Spa)
ADENOMA, complications/ *ADENOMA, radiography/ ADULT/ ANGIOGRAPHY/ HUMAN/ HYPERPARATHYROIDISM, radiography/ *HYPERTHYROIDISM, etiology/ MALE/ *MEDIASTINAL NEOPLASMS, radiography/ *PARATHYROID GLANDS, abnormalities/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, radiography

2831. **O'Donnell JM, Smith MW:** Uptake of calcium and magnesium by rat duodenal mucosa analysed by means of competing metals.
J Physiol (Lond) 229:733-49, Mar 73
ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ DIFFUSION/ *DUODENUM, metabolism/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, metabolism/ LANTHANUM, pharmacodynamics/ MAGNESIUM, antagonists & inhibitors/ *MAGNESIUM, metabolism/ MALE/ PRASEODYMIUM, pharmacodynamics/ RADIOISOTOPES/ RATS/ STRONTIUM, pharmacodynamics/ TIME FACTORS/ TRITIUM

2832. **Odor DL, Blandau RJ:** EGG transport over the fimbrial surface of the rabbit oviduct under experimental conditions.
Fertil Steril 24:292-300, Apr 73
ANIMAL EXPERIMENTS/ CASTRATION/ CILIA/ EPITHELIAL CELLS/ ESTRADIOL, pharmacodynamics/ FALLOPIAN TUBES, cytology/ FALLOPIAN TUBES, drug effects/ *FALLOPIAN TUBES, physiology/ FEMALE/ OVARY, physiology/ *OVUM/ RABBITS/ TIME FACTORS

2833. **O'Duffy JD, Randall RV, MacCarty CS:** Median neuropathy (carpal-tunnel syndrome) in acromegaly. A sign of endocrine overactivity.
Ann Intern Med 78:379-83, Mar 73
*ACROMEGALY, complications/ ADULT/ *CARPAL TUNNEL SYNDROME, etiology/ CARPAL TUNNEL SYNDROME, therapy/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERPITUITARISM, complications/ HYPERPITUITARISM, radiotherapy/ HYPERPITUITARISM, surgery/ MALE/ MIDDLE AGE/ RETROSPECTIVE STUDIES/ SOMATOTROPIN, blood

2834. **Oertel GW, Storp D:** Metabolismus von Steroidkonjugaten. XI. Stoffwechsel von 7 - 3 H-Dehydroepiandrosteron-lauryl-sulfat beim Menschen.
Steroids Lipids Res 3:125-33, 1972 (Ger)
ADULT/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANDROSTERONE, metabolism/ *DEHYDROEPIANDROSTERONE, metabolism/

ENGLISH ABSTRACT/ ESTRADIOL, metabolism/ ESTRIOL, metabolism/ ESTRONE, metabolism/ ETIOCHOLANOLONE, metabolism/ *FATTY ALCOHOLS, metabolism/ FEMALE/ GLUCURONATES, blood/ GLUCURONATES, urine/ HUMAN/ HYDROXYSTEROIDS, metabolism/ SULFATIDES, blood/ SULFATIDES, urine/ SULFURIC ACIDS, blood/ SULFURIC ACIDS, metabolism/ SULFURIC ACIDS, urine/ TESTOSTERONE, metabolism/ TRITIUM

2835. **Oertel GW, Storp D:** Metabolismus von Steroidkonjugaten. XII. Stoffwechsel von 7 - 3 H-Dehydroepiandrosteron-phosphatid beim Menschen.
Steroids Lipids Res 3:134-41, 1972 (Ger)
ADMINISTRATION, ORAL/ ADULT/ ANDROSTENEDIONE, metabolism/ ANDROSTENES, metabolism/ ANDROSTERONE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ ESTRADIOL, metabolism/ ESTRIOL, metabolism/ ESTRONE, metabolism/ ETIOCHOLANOLONE, metabolism/ FEMALE/ GLUCURONATES, blood/ GLUCURONATES, urine/ HUMAN/ HYDROXYSTEROIDS, metabolism/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORIC ACIDS, blood/ PHOSPHORIC ACIDS, urine/ SULFURIC ACIDS, blood/ SULFURIC ACIDS, urine/ TESTOSTERONE, metabolism/ TRITIUM

2836. **Ogata M, Watanabe S, Tateishi J, et al:** Placental transmission and fetal distribution of clioquinol.
Lancet 809:938-9, 28 Apr 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON ISOTOPES/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *IODOCHLORHYDROXYQUIN, metabolism/ MATERNAL-FETAL EXCHANGE/ MICE/ *PLACENTA, metabolism/ PREGNANCY

2837. **Ogii LI:** Hiperplazovana vylochkova zaloza i limfatyko-hipoplastychna anomaliia konstytutsii u ditei rann'obo viku.
Pediatr Akush Ginekol 6:27-9, 1972 (Ukr)
ASTHMA, physiopathology/ CHILD, PRESCHOOL/ HUMAN/ HYDROCORTISONE, adverse effects/ INFANT/ *LYMPHATISM, physiopathology/ PNEUMONIA, drug therapy/ PNEUMONIA, STAPHYLOCOCCAL, drug therapy/ PREDNISOLONE, adverse effects/ *THYMUS HYPERPLASIA, physiopathology/ THYMUS HYPERPLASIA, radiography

2838. **Ogle TF, Braach HH, Buss IO:** Fine structure and progesterone concentration in the corpus luteum of the African elephant. Anat Rec 175:707-23, Apr 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELL MEMBRANE/ CELL NUCLEUS/ COLLAGEN/ CORPUS LUTEUM, analysis/ *CORPUS LUTEUM, cytology/ CYTOPLASM/ *ELEPHANTS, anatomy & histology/ ENDOPLASMIC RETICULUM/ ESTRUS/ FEMALE/ GOLGI APPARATUS/ HISTOLOGY, COMPARATIVE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PREGNANCY/ *PROGESTERONE, analysis/ PROTEIN BINDING/ RADIOLIGAND ASSAY/ TIME FACTORS

2839. **O'Grady JF, Gruenstein M, Reichle FA:** The effect of ovariectomy on experimental mammary carcinoma in the rat with portacaval shunt. Br J Surg 60:317, Apr 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ *CASTRATION/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, physiopathology/ METHODS/ *PORTACAVAL ANASTOMOSIS/ RATS

2840. **O'Grady JP, Caldwell BV, Auletta FJ, et al:** The effects of an inhibitor of prostaglandin synthesis (indomethacin) on ovulation, pregnancy, and pseudopregnancy in the rabbit.
Prostaglandins 1:97-106, Feb 72
ANIMAL EXPERIMENTS/ COITUS/ CORPUS LUTEUM, drug effects/ DEPRESSION, CHEMICAL/ FEMALE/ FETAL DISEASES/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INDOMETHACIN, pharmacodynamics/ LH, pharmacodynamics/ OVARY, anatomy & histology/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PSEUDOPREGNANCY, drug effects/ RABBITS/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ TRITIUM

2841. **Ogunremi OO, Adamson L, Březinová V, et al:** Two anti-anxiety drugs: a psychoneuroendocrine study.
Br Med J 2:202-5, 28 Apr 73
ADRENAL CORTEX HORMONES, blood/ ADULT/ *AMOBARBITAL, therapeutic use/ *BENZOCTAMINE/ BLOOD SPECIMEN COLLECTION/ CATHETERIZATION/ CLINICAL RESEARCH/ DRUG WITHDRAWAL SYMPTOMS/ HUMAN/ MALE/ *NEUROSES, ANXIETY, drug therapy/ PLACEBOS/ SLEEP/ SLEEP DISORDERS, drug therapy/ SLEEP, REM/ SLEEP STAGES/ SOMATOTROPIN, blood/ TIME FACTORS

2842. **O'Hare MJ, Neville AM:** The steroidogenic response of adult rat adrenocortical cells in monolayer culture.
J Endocrinol 56:537-49, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, metabolism/ CELLS, CULTURED/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ FLUOROMETRY/ MALE/ PREGNANES, biosynthesis/ PREGNENOLONE, metabolism/ RADIOIMMUNOASSAY/ RATS/ STEROLS, biosynthesis/ STIMULATION, CHEMICAL/ TRITIUM

2843. **O'Hare MJ, Neville AM:** Morphological responses to corticotrophin and cyclic AMP by adult rat adrenocortical cells in monolayer culture.
J Endocrinol 56:529-36, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, growth & development/ CELL SURVIVAL/ CELLS, CULTURED/ *CORTICOTROPIN, pharmacodynamics/ CULTURE MEDIA/ ENDOPLASMIC RETICULUM/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASE, analysis/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ RATS/ STIMULATION, CHEMICAL

2844. **O'Higgins N, Deshpande N, Burn JI:** In vivo bindings of tritiated oestradiol in benign and malignant lesions of the human breast. Br J Surg 60:317, Apr 73
BINDING SITES/ *BREAST NEOPLASMS, metabolism/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ TRITIUM

2845. **Okazaki T, Okazaki A:** Possible role of glucose-6-phosphate in the anti-anaphylactic mechanism mediated by cyclic AMP.
Experientia 28:848-9, 15 Jul 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ FEMALE/ GLUCOSEPHOSPHATES, pharmacodynamics/ *GLUCOSEPHOSPHATES, pharmacodynamics/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, immunology/ UTERUS, drug effects

2846. **Okla J:** Efektywność i działanie uboczne nowodzesnych środków antykoncepcyjnych.
Pol Tyg Lek 28:135-8, 22 Jan 73 (16 ref.) (Pol)
ADRENAL GLANDS, drug effects/ BLOOD COAGULATION, drug effects/ *CONTRACEPTIVE AGENTS/ CONTRACEPTIVE AGENTS, adverse effects/ CONTRACEPTIVE AGENTS, pharmacodynamics/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/

FAMILY PLANNING/ FEMALE/ FETUS, drug effects/ HUMAN/ LIVER, drug effects/ MATERNAL-FETAL EXCHANGE/ PARITY/ PESSARIES, adverse effects/ PREGNANCY/ REVIEW/ THYROID GLAND, drug effects

2847. **Okubo T, Sano S:** Mechanism of the action of beta-glucuronidase inhibitor upon apocrine sweat and sebaceous glands and its dermatological application.
Acta Derm Venereol (Stockh) 53:85-93, 1973
ACNE, drug therapy/ ADMINISTRATION, ORAL/ FEMALE/ *GLUCURONIDASE, antagonists & inhibitors/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LACTONES, administration & dosage/ *LACTONES, pharmacodynamics/ LACTONES, therapeutic use/ RATS/ *SEBACEOUS GLANDS, drug effects/ SKIN DISEASES, drug therapy/ *SWEAT, drug effects/ *SWEAT GLANDS, drug effects/ *SWEATING, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, antagonists & inhibitors/ WARTS, drug therapy

2848. **Okulov VB:** Immunoluminestsentnaia kharakteristika éksperimental'nogo blastomogeneza v shchitovidnoĭ zheleze. Vopr Onkol 18:54-61, 1972 **(Rus)**
*ADENOMA, immunology/ ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM/ CELL TRANSFORMATION, NEOPLASTIC/ *CYSTADENOMA, immunology/ *CYSTADENOMA, PAPILLARY, immunology/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HYPERPLASIA/ METHYLTHIOURACIL/ MICROSOMES, immunology/ *NEOPLASMS, EXPERIMENTAL, immunology/ ORGAN SPECIFICITY/ RATS/ THYROID NEOPLASMS, chemically induced/ *THYROID NEOPLASMS, immunology

2849. **Olah AJ:** Quantitative relations between osteoblasts and osteoid in primary hyperparathyroidism, intestinal malabsorption ad renal osteodystrophy.
Virchows Arch [Pathol Anat] 358:301-8, 19 Feb 73
BIOPSY/ BONE AND BONES, pathology/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ ILIUM/ *MALABSORPTION SYNDROMES, pathology/ *OSTEOBLASTS/ OSTEOMALACIA, pathology/ *RENAL OSTEODYSTROPHY, pathology

2850. **Oleĭnik VA:** Glukokortikoidnaia funktsiia nadpochechnikov u bol'nykh s alimentarno-konstitutsional'noĭ formoĭ ozhireniia.
Vrach Delo 11:102-4, Nov 72 **(Rus)**
ADOLESCENCE/ *ADRENAL GLANDS, metabolism/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ OBESITY, blood/ *OBESITY, metabolism/ OBESITY, urine

2851. **Oliver C, Essner E:** Distribution of anomalous lysosomes in the beige mouse: a homologue of Chediak-Higashi syndrome.
J Histochem Cytochem 21:218-28, Mar 73
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS/ *CHEDIAK-HIGASHI SYNDROME, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ JEJUNUM, pathology/ KIDNEY, enzymology/ KIDNEY, pathology/ KIDNEY TUBULES, pathology/ LIVER, enzymology/ LIVER, pathology/ *LYSOSOMES, analysis/ LYSOSOMES, enzymology/ MALE/ MICE/ MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ MICROTOMY/ THYROID GLAND, pathology

2852. **Oliverio RM Jr:** Anesthetic management of intramedullary nailing in osteogenesis imperfecta: report of a case.
Anesth Analg (Cleve) 52:232-6, Mar 73
*ANESTHESIA, GENERAL/ CASE REPORT/ CHILD, PRESCHOOL/ *FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ KETAMINE/ MALE/ *OSTEOGENESIS IMPERFECTA, surgery

2853. **Olson EB Jr, DeLuca HF:** Vitamin D. Metabolism and mechanism of action.
World Rev Nutr Diet 17:164-88, 1973 (158 ref.)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHILD/ CHOLECALCIFEROL, metabolism/ CHOLECALCIFEROL, therapeutic use/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MEDIEVAL/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYCHOLECALCIFEROL, therapeutic use/ INTESTINAL MUCOSA, metabolism/ NUTRITIONAL REQUIREMENTS/ REVIEW/ RICKETS, drug therapy/ RICKETS, etiology/ RICKETS, history/ SKIN, metabolism/ VITAMIN D, history/ *VITAMIN D, metabolism/ VITAMIN D, physiology

2854. **Olsson CA, Krane RJ, Klugo RC, et al:** Adrenal myelolipoma.
Surgery 73:665-70, May 73
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, etiology/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, pathology/ ADULT/ AGED/ AUTOPSY/ FEMALE/ HEMATURIA, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *MYELOID METAPLASIA/ MYELOID METAPLASIA, diagnosis/ MYELOID METAPLASIA, pathology/ MYELOID METAPLASIA, radiography/ NECROSIS/ PAIN/ UROGRAPHY

2855. **Olsson K:** On the importance of CSF Na + concentration in central control of fluid balance.
Life Sci [I] 11:397-402, 15 Apr 72
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ *CENTRAL NERVOUS SYSTEM, physiology/ CEREBRAL VENTRICLES, drug effects/ DIURESIS, drug effects/ FEMALE/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GOATS/ HYPERTONIC SOLUTIONS/ HYPOTONIC SOLUTIONS/ ISOTONIC SOLUTIONS/ NATRIURESIS, drug effects/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, secretion/ RECEPTORS, DRUG/ *SODIUM, cerebrospinal fluid/ SODIUM CHLORIDE, pharmacodynamics/ THIRST, drug effects/ VASOPRESSIN, secretion/ *WATER-ELECTROLYTE BALANCE

2856. **Omdahl JL, DeLuca HF:** Regulation of vitamin D metabolism and function.
Physiol Rev 53:327-72, Apr 73 (231 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ BONE DISEASES, drug therapy/ BONE RESORPTION/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, DIETARY/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ FEEDBACK/ HUMAN/ HYDROXYLATION/ INTESTINAL ABSORPTION/ KIDNEY TUBULES, physiology/ PARATHYROID HORMONE, physiology/ PHOSPHATES, blood/ PROTEIN BINDING/ RATS/ REVIEW/ SODIUM, physiology/ THYROCALCITONIN, physiology/ TRANSCRIPTION, GENETIC/ *VITAMIN D/ VITAMIN D, antagonists & inhibitors/ VITAMIN D, metabolism/ VITAMIN D, physiology/ VITAMIN D, therapeutic use

2857. **Onaya T, Kotani M, Yamada T, et al:** New in vitro tests to detect the thyroid stimulator in sera from hyperthyroid patients by measuring colloid droplet formation and cyclic AMP in human thyroid slices.
J Clin Endocrinol Metab 36:859-66, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BIOLOGICAL ASSAY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GOITER, EXOPHTHALMIC,

blood/ GUINEA PIGS/ HUMAN/ *HYPERTHYROIDISM, blood/ IGG/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, blood/ MALE/ METHODS/ MICE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics

2858. **Onaya T, Yamada T, Halmi NS:** Intratbyroidal recycling of iodide in the rat: effects of goitrogens. Proc Soc Exp Biol Med 143:181-4, May 73
ANIMAL EXPERIMENTS/ *CHLORIDES, pharmacodynamics/ HYPOPHYSECTOMY/ *IODIDES, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHIMAZOLE, pharmacodynamics/ *METHYLTHIOURACIL, pharmacodynamics/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ THYROXINE, pharmacodynamics

2859. **O'Neill PB:** Treatment with calcitonin. Br Med J 1:744-5, 24 Mar 73
AUDIOMETRY/ *DEAFNESS, drug therapy/ EAR OSSICLES, physiopathology/ HUMAN/ *THYROCALCITONIN, therapeutic use

2860. **Ong SD, Bailey LE:** Uncoupling of excitation from contraction by nickel in cardiac muscle. Am J Physiol 224:1092-8, May 73
ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CATS/ ELECTROPHYSIOLOGY/ FEMALE/ *HEART, drug effects/ HEART, physiology/ IN VITRO/ KINETICS/ MALE/ *MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ *NICKEL, pharmacodynamics/ OUABAIN, pharmacodynamics/ PERFUSION

2861. **Oniani TN, Koridze MG, Abzianidze HV:** Electrical activity of the hippocampus during delayed responses and hypothalamic stimulation in the cat. Acta Neurobiol Exp (Warsz) 32:799-816, 1972
ANIMAL EXPERIMENTS/ *AUDITORY CORTEX, physiology/ CATS/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ FEEDING BEHAVIOR/ *HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, physiology/ *VISUAL CORTEX, physiology

2862. **Ono I, Kato T, Sawada E:** [A case of isolated ACTH deficiency] J Jap Soc Intern Med 61:1314-9, Oct 72 (Jap)
*ADRENAL GLAND HYPOFUNCTION/ ADULT/ *CORTICOTROPIN/ FEMALE/ HUMAN

2863. **Onuigbo WI:** Human model for comparing localization factors in metastasis. Arch Pathol 95:260-1, Apr 73
ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLANDS, anatomy & histology/ AUTOPSY/ HUMAN/ LUNG NEOPLASMS, pathology/ MODELS, THEORETICAL/ *NEOPLASM METASTASIS, pathology/ ORGAN WEIGHT

2864. **Ooki T, Kotsu T, Kinutani M, et al:** Pars intermedia of the hypophysis of rats after early-postnatal lesions of the basal hypothalamus: quantitative and qualitative observations. Neuroendocrinology 11:22-45, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ MICROSCOPY, ELECTRON/ NEUROSECRETION/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, growth & development/ RATS/ STAINS AND STAINING

2865. **Oosterhuis HJ, Hootsmans WJ, Veenhuyzen HB, et al:** The mean duration of motor unit action potentials in patients with myasthenia gravis. Electroencephalogr Clin Neurophysiol 32:697-700, Jun 72
*ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATASE, metabolism/ CALCIUM, metabolism/ HUMAN/ *MOTOR NEURONS/ MUSCLE CONTRACTION/ MUSCLES, enzymology/ *MUSCLES, physiopathology/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, enzymology/ *MYASTHENIA GRAVIS, physiopathology/ NEOSTIGMINE, therapeutic use/ PYRIDOSTIGMINE BROMIDE, therapeutic use

2866. **Oparil S, Koerner T, Tregear GW, et al:** Substrate requirements for angiotensin I conversion in vivo and in vitro. Circ Res 32:415-23, Apr 73
AMINO ACID SEQUENCE/ *AMINO ACIDS/ *ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CAPILLARIES, enzymology/ *CARBOXYPEPTIDASES, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHYMOTRYPSIN, metabolism/ DOGS/ ELECTROPHORESIS, PAPER/ FEMALE/ IODINE ISOTOPES/ LEUCINE AMINOPEPTIDASE, metabolism/ MALE/ PEPTIDES, biosynthesis/ PULMONARY CIRCULATION/ RABBITS/ RADIOIMMUNOASSAY/ RENIN, metabolism/ TRYPSIN, metabolism

2867. **Opitz K, Reimann I:** Suppression of the drug-induced morphine withdrawal syndrome by cyproheptadine. Psychopharmacologia 28:165-70, 1 Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CYPROHEPTADINE, therapeutic use/ DRUG TOLERANCE/ *DRUG WITHDRAWAL SYMPTOMS, drug therapy/ FENFLURAMINE, pharmacodynamics/ HYPOTHALAMUS, physiopathology/ LEVALLORPHAN/ MALE/ *MORPHINE ADDICTION/ RATS

2868. **Orbeck H:** Neonatal hyperthyroidism. Acta Paediatr Scand 62:313-6, May 73
ADULT/ BODY WEIGHT/ BREAST DISEASES, complications/ DIARRHEA/ DIGITALIS GLYCOSIDES, therapeutic use/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, etiology/ INFANT, NEWBORN/ *INFANT, PREMATURE, DISEASES/ IODINE, therapeutic use/ MATERNAL-FETAL EXCHANGE/ PHENOBARBITAL, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS/ TACHYCARDIA, complications

2869. **Orczyk GP, Behrman HR:** Ovulation blockade by aspirin or indomethacin--in vivo evidence for a role of prostaglandin in gonadotrophin secretion. Prostaglandins 1:3-20, Jan 72
ANIMAL EXPERIMENTS/ ASPIRIN, administration & dosage/ ASPIRIN, pharmacodynamics/ BIOLOGICAL ASSAY/ CATTLE/ CROSS REACTIONS/ DEPRESSION, CHEMICAL/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ IMMUNE SERUMS/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, pharmacodynamics/ LH, secretion/ ORGAN WEIGHT/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ PROSTAGLANDINS, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, anatomy & histology

2870. **Orfanakis MG, Smith CB, Klauber MR, et al:** Factors related to serum and secretory immunoglobulin concentrations in patients with chronic obstructive pulmonary disease. Am Rev Respir Dis 107:728-34, May 73
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ CHRONIC DISEASE/ *COMPLEMENT, analysis/ HUMAN/ *IMMUNOGLOBULINS, analysis/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ *LUNG DISEASES, OBSTRUCTIVE, immunology

2871. **O'Riordan JL, Barling PM, Hendy GN, et al:** Isolation of human parathyroid hormone and determination of the amino-acid sequence of the amino-terminal part of the molecule. Clin Sci 44:14P-15P, Apr 73

AMINO ACID SEQUENCE/ HUMAN/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, isolation & purification

2872. **Orkin FK, Pegg JR:** Cardiac effects of pancuronium bromide. JAMA 224:630, 30 Apr 73
*ANDROSTANES, pharmacodynamics/ ANESTHESIA ADJUVANTS/ *CURARE-LIKE AGENTS/ *HEART, drug effects/ HUMAN/ PANCURONIUM, pharmacodynamics/ *TACHYCARDIA, chemically induced

2873. **Orlova LV:** Vliianie gidrokortizona na sintez DNK i gistonovykh belkov khromatina v regeneriruiushchei pecheni krys.
Prohl Endokrinol (Mosk) 19:92-4, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CHROMATIN/ *DNA, biosynthesis/ ENGLISH ABSTRACT/ GLYCINE, metabolism/ *HISTONES, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ *LIVER REGENERATION, drug effects/ MALE/ MITOSIS, drug effects/ RATS/ THYMIDINE, metabolism/ TRITIUM

2874. **Orlowski M, Meister A:** -Glutamyl cyclotransferase. Distribution, isozymic forms, and specificity.
J Biol Chem 248:2836-44, 25 Apr 73
*ACYLTRANSFERASES/ ACYLTRANSFERASES, isolation & purification/ ACYLTRANSFERASES, metabolism/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CHROMATOGRAPHY/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ GLUTAMATES/ ISOENZYMES/ KIDNEY, enzymology/ KINETICS/ LIVER, enzymology/ LUNG, enzymology/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ PROLINE/ PYRROLIDONECARBOXYLIC ACID/ RATS/ SPLEEN, enzymology/ TESTIS, enzymology/ THYROID GLAND, enzymology/ TIME FACTORS

2875. **O'Rourke DA:** The forgotten sperm.
Aust NZ J Obstet Gynaecol 12:216, Aug 72
*DISGERMINOMA, metabolism/ FEMALE/ HORMONES, biosynthesis/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ MALE/ MENSTRUATION/ NIDATION/ PREGNANCY/ *SPERMATOZOA, physiology/ *TERATOID TUMOR, metabolism/ *TESTICULAR NEOPLASMS, metabolism/ TROPHOBLAST, metabolism

2876. **Orozco H, Wolpert E, Parra A:** Surgical management of lingual thyroid. Case report.
Helv Paediatr Acta 28:47-50, Mar 73
CHILD, PRESCHOOL/ FEMALE/ HUMAN/ POSTOPERATIVE COMPLICATIONS/ *THYROID GLAND, abnormalities/ THYROID GLAND, transplantation/ THYROID GLAND FUNCTION TESTS/ *TONGUE, abnormalities/ TRANSPLANTATION, AUTOLOGOUS

2877. **Orrenius S, Wilson BJ, Bahr C von, et al:** On the significance of drug-induced spectral changes in liver microsomes.
Biochem Soc Symp 34:55-77, 1972 (24 ref.)
ALKALOIDS, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CYTOCHROME P-450/ CYTOCHROME P-450, metabolism/ DESIPRAMINE, pharmacodynamics/ HEXOBARBITAL/ HYDROXYLATION/ *MICROSOMES, LIVER, drug effects/ NADP/ NORTRIPTYLINE, pharmacodynamics/ OXIDOREDUCTASES/ PHENACETIN, pharmacodynamics/ RATS/ REVIEW/ *SPECTRUM ANALYSIS/ TESTOSTERONE, pharmacodynamics/ TRYPTOPHAN, pharmacodynamics

2878. **Orsini A, Raybaud C, Pierron H, et al:** Résultats du traitement des syndromes néphrotiques idiopathiques de l'enfant par corticothérapie d'une durée inférieure à 3 mois. A propos de 28 observations. Pediatrie 27:721-8, Oct-Nov 72 (Fre)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, administration & dosage/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ KIDNEY, pathology/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, administration & dosage/ TIME FACTORS

2879. **Ortega E, Rodríguez C, Cortés-Gallegos V, et al:** Farmacología clínica de la prostaglandina E 2 en mujeres normales no embarazadas.
Arch Invest Med (Mex) 3:Suppl 1:187-20, 1972 (Spa)
ADULT/ BODY TEMPERATURE, drug effects/ *CORPUS LUTEUM, drug effects/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *MENSTRUATION, drug effects/ MENSTRUATION DISORDERS, drug therapy/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ RESPIRATION, drug effects/ STERILITY, FEMALE, drug therapy

2880. **Osborne NN, Cottrell GA:** The effect of optic tentacle removal on the transmitter content of the giant serotonin cell of helix aspersa.
J Neurochem 19:2363-8, Oct 72
ANIMAL EXPERIMENTS/ BRAIN, anatomy & histology/ BRAIN, physiology/ ELECTROPHYSIOLOGY/ GANGLIA, anatomy & histology/ GANGLIA, physiology/ HEART, physiology/ MICROSCOPY, FLUORESCENCE/ *NEURONS, physiology/ SEROTONIN, pharmacodynamics/ *SEROTONIN, physiology/ *SNAILS, physiology

2881. **Osborne NN, Neuhoff V:** Neurochemical studies on characterized neurons.
Naturwissenschaften 60:78-87, Feb 73
AMINES, analysis/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ELECTRIC STIMULATION/ *GANGLIA, analysis/ GANGLIA, physiology/ GLUCOSE, metabolism/ GLUTAMATES, metabolism/ MOLLUSCA/ NERVE TISSUE PROTEINS, analysis/ PHOSPHOLIPIDS, analysis/ RNA, metabolism/ SEROTONIN, analysis

2882. **Osborne NN, Szczepaniak AC, Neuhoff V:** Amines and amino acids in identified neurons of Helix pomatia.
Int J Neurosci 5:125-31, Mar 73
ALANINE, metabolism/ *AMINES, metabolism/ *AMINO ACIDS, metabolism/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHROMATOGRAPHY/ ESOPHAGUS, innervation/ GANGLIA, metabolism/ GLUTAMATES, metabolism/ GLYCINE, metabolism/ *MOLLUSCA, metabolism/ *NEURONS, metabolism/ ORNITHINE, metabolism/ SEROTONIN, metabolism

2883. **Ossenkopp G, Steinbrecher W:** Carcinommetastase im Corpus Luysii. Kasuistischer Beitrag zur Atiologie und Pathogenese des Hemiballismus.
Nervenarzt 44:99-101, Feb 73 (Ger)
AUTOPSY/ *BRAIN NEOPLASMS, complications/ CARCINOMA, BRONCHOGENIC, pathology/ FEMALE/ HUMAN/ *HYPOTHALAMUS, pathology/ LUNG NEOPLASMS, pathology/ MIDDLE AGE/ *MOVEMENT DISORDERS, etiology/ NEOPLASM METASTASIS

2884. **Osswald W, Branco D:** The effects of drugs and denervation on removal and accumulation of noradrenaline in the perfused hind-limb of the dog. Naunyn Schmiedehergs Arch Pharmacol 277:175-90, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ COCAINE, pharmacodynamics/ DEAMINATION/ DENERVATION/ DESOXYCORTICOSTERONE, pharmacodynamics/ DOGS/ *HINDLIMB, metabolism/ NEURONS, metabolism/ NIALAMIDE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ PERFUSION/ PHENOXYBENZAMINE, pharmacodynamics/ RESERPINE,

pharmacodynamics/ SAPHENOUS VEIN, innervation/ *SAPHENOUS VEIN, metabolism/ TIME FACTORS

2885. **Ostapiuk FE, Stoskova TV, Dakeev MK:** Vydelenie glukokortikoidnykh gormonov i katekholaminov u bol'nykh s ostroi pochechnoi nedostatochnost'iu.
Klin Med (Mosk) 51:124-8, Feb 73 **(Rus)**
ABORTION, SEPTIC, urine/ ADULT/ ANURIA, urine/ *CATECHOLAMINES, urine/ CORTISONE, urine/ DOPAMINE, urine/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ *GLUCOCORTICOIDS, urine/ HUMAN/ HYDROCORTISONE, urine/ *KIDNEY FAILURE, ACUTE, urine/ NOREPINEPHRINE, urine/ PREGNANCY/ PREGNANCY COMPLICATIONS, urine

2886. **Otoo SN:** The traditional management of puberty and childbirth among the Ga people, Ghana.
Trop Geogr Med 25:88-94, Mar 73
ADOLESCENCE/ ADULT/ CULTURE/ FERTILITY/ GHANA/ HUMAN/ MIDWIFERY/ *NATURAL CHILDBIRTH/ NEGROES/ PREGNANCY/ *PUBERTY

2887. **Otto AJ:** Angular-vein phlebography as an aid to the diagnosis of intra-orbital processes.
Ophthalmologica 165:505-8, 1972
AGED/ ANGIOGRAPHY/ *EXOPHTHALMOS, radiography/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *PHLEBOGRAPHY/ TOMOGRAPHY, RADIOGRAPHIC

2888. **Ottonen PO, Ball JK:** Function of bone marrow in suppressing thymic lymphomas induced by 7,12-dimethylbenz(a)anthracene.
J Nati Cancer Inst 50:491-6, Feb 73
ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ *BONE MARROW, transplantation/ CELLS, CULTURED/ HEMATOPOIESIS/ INJECTIONS, SUBCUTANEOUS/ LYMPHOMA, chemically induced/ *LYMPHOMA, prevention & control/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, prevention & control/ THYMUS NEOPLASMS/ *THYMUS NEOPLASMS, chemically induced

2889. **Ottonen PO, Ball JK:** Lack of correlation between gross chromosome abnormalities and carcinogenesis with 7,12-dimethylbenz(a)anthracene.
J Nati Cancer Inst 50:497-501, Feb 73
ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ BONE MARROW, drug effects/ BONE MARROW EXAMINATION/ *CHROMOSOME ABNORMALITIES, chemically induced/ CHROMOSOMES, drug effects/ FEMALE/ KARYOTYPING/ LEUKEMIA, EXPERIMENTAL, chemically induced/ LEUKEMIA, EXPERIMENTAL, pathology/ *LYMPHOMA, chemically induced/ MALE/ MICE/ MICE, INBRED STRAINS/ SEX CHROMOSOME ABNORMALITIES, chemically induced/ THYMUS GLAND, drug effects/ *THYMUS NEOPLASMS, chemically induced/ THYMUS NEOPLASMS, pathology

2890. **Overcash KE, Putney FJ:** Subglottic hemangioma of the larynx treated with steroid therapy.
Laryngoscope 83:679-82, May 73
FEMALE/ GLOTTIS, drug effects/ GLOTTIS, pathology/ *HEMANGIOMA, drug therapy/ HEMANGIOMA, pathology/ HUMAN/ INFANT/ *LARYNGEAL NEOPLASMS, drug therapy/ LARYNGEAL NEOPLASMS, pathology/ MALE/ *PREDNISONE, therapeutic use

2891. **Owens K, Weglicki WB, Ruth RC, et al:** Lipid composition, Ca 2+ uptake and Ca 2+ -stimulated ATPase activity of sarcoplasmic reticulum of the cardiomyopathic hamster.
Biochim Biophys Acta 296:71-8, 19 Jan 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM/ *CALCIUM, metabolism/ CHOLESTEROL, metabolism/ CYTOCHROME OXIDASE, metabolism/ FEMALE/ HAMSTERS/ HEART VENTRICLE/ *LIPIDS, metabolism/ MAGNESIUM/ MALE/ MICROSOMES, metabolism/ MITOCHONDRIA, MUSCLE, enzymology/ MITOCHONDRIA, MUSCLE, metabolism/ MYOCARDIAL DISEASES, PRIMARY, enzymology/ MYOCARDIAL DISEASES, PRIMARY, familial & genetic/ *MYOCARDIAL DISEASES, PRIMARY, metabolism/ *MYOCARDIUM, metabolism/ OXALATES, pharmacodynamics/ PHOSPHOLIPIDS, metabolism/ POTASSIUM/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ SODIUM

2892. **Oxender DL:** Membrane transport.
Annu Rev Biochem 41:777-814, 1972 (239 ref.)
AMINO ACIDS, metabolism/ ARABINOSE, metabolism/ *BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ GALACTOSE, metabolism/ GENETICS, MICROBIAL/ GLUCOSE, metabolism/ LACTOSE, metabolism/ MACROMOLECULAR SYSTEMS/ PHOSPHATES, metabolism/ PHOSPHOTRANSFERASES/ POTASSIUM, metabolism/ PROTEIN BINDING/ REVIEW/ SODIUM, metabolism/ SPECIES SPECIFICITY/ SULFATES, metabolism

2893. **Oyama T:** Endocrine responses to anaesthetic agents.
Br J Anaesth 45:276-81, Mar 73 (82 ref.)
ADRENAL GLANDS, drug effects/ ANESTHESIA, SPINAL/ *ANESTHETICS, pharmacodynamics/ CORTICOTROPIN, blood/ CYCLOPROPANE, pharmacodynamics/ EPINEPHRINE, blood/ ETHYL ETHER, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMUS, drug effects/ MEPERIDINE, pharmacodynamics/ METHOXYFLURANE, pharmacodynamics/ MORPHINE, pharmacodynamics/ NOREPINEPHRINE, blood/ PENTOBARBITAL, pharmacodynamics/ *PITUITARY GLAND, drug effects/ REVIEW/ SOMATOTROPIN, blood/ TESTOSTERONE, blood/ THYROTROPIN, blood/ THYROXINE, blood/ VASOPRESSIN, blood

2894. **Oye I:** Hypofysehormonenes virkningsmekanisme.
Tidsskr Nor Laegeforen 92:2146-8, 20 Nov 72 **(Nor)**
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CORTICOTROPIN, physiology/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ PEPTIDES, physiology/ *PITUITARY HORMONES, physiology/ PROTEINS, physiology

2895. **Ozon R, Belié R:** Récepteurs de l'oestradiol-17 dans le foie de poule et de l'amphibien Discoglossus pictus.
Biochim Biophys Acta 297:155-63, 24 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ *CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ *CHICKENS, metabolism/ CYTOSOL, metabolism/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRIOL, metabolism/ ESTRONE, metabolism/ GEL FILTRATION/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER/ PEPTIDE HYDROLASES/ POTASSIUM CHLORIDE/ RECEPTORS, HORMONE/ SPECIES SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TOADS, metabolism/ TRITIUM

2896. **Ozonoff MB, Flynn FJ Jr:** Roentgenologic features of dermatomyositis of childhood.
Am J Roentgenol Radium Ther Nucl Med 118:206-12, May 73
ADOLESCENCE/ AGE FACTORS/ ARTHRITIS, JUVENILE RHEUMATOID, diagnosis/ BONE AND BONES, radiography/ CALCINOSIS, radiography/ CHILD/ CHILD, PRESCHOOL/ DEGLUTITION DISORDERS, etiology/ DERMATOMYOSITIS, complications/ DERMATOMYOSITIS, diagnosis/

DERMATOMYOSITIS, patbology/ *DERMATOMYOSITIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ EDEMA, radiography/ FEMALE/ HUMAN/ MALE/ SKIN DISEASES, radiography

P

2897. **Paape MJ, Kral AJ, Desjardins C, et al:** Failure of either corticosteroids or ACTH to increase tbe leukocyte concentration in milk. Am J Vet Res 34:353-6, Mar 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CORTICOSTERONE, administration & dosage/ CORTICOSTERONE, pbarmacodynamics/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTE COUNT/ FEMALE/ GLUCOCORTICOIDS, blood/ *GLUCOCORTICOIDS, pbarmacodynamics/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pbarmacodynamics/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LACTATION/ LEUKOCYTE COUNT/ *LEUKOCYTES/ LEUKOCYTES, cytology/ *MILK, cytology/ TIME FACTORS

2898. **Pace-Asciak C, Wolfe LS, Gillett PG, et al:** Disappearance of prostaglandin F2alpba from human amniotic fluid after intraamniotic injection. Prostaglandins 1:469-77, Jun 72
ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ AMNIOTIC FLUID, metabolism/ BODY WEIGHT/ CHROMATOGRAPHY, GAS/ FEMALE/ FETUS/ GESTATIONAL AGE/ HALF-LIFE/ HUMAN/ INJECTIONS/ KETO ACIDS, metabolism/ MASS SPECTRUM ANALYSIS/ PREGNANCY/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, tberapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

2899. **Pacyński A:** Przełomy w chorobach układu dokrewnego. Endokrynol Pol 24:1-10, Jan-Feb 73 (Pol)
ACUTE DISEASE/ ADDISON'S DISEASE, complications/ AUTONOMIC NERVOUS SYSTEM, drug effects/ BODY TEMPERATURE REGULATION/ CATECHOLAMINES, biosyntbesis/ DIABETIC COMA, complications/ HUMAN/ HYPERINSULINISM, complications/ HYPOTHYROIDISM, metabolism/ INSULIN COMA, metabolism/ LONG-ACTING THYROID STIMULATOR, physiology/ PITUITARY-ADRENAL SYSTEM, drug effects/ REVIEW/ TETANY, etiology/ *THYROID CRISIS/ THYROTROPIN, physiology

2900. **Padalíkovía D, Holub A, Ježková K:** Glykogen v placentě a tkáních fetu prasat v poslední třetině intrauterinního zivota.
Vet Med (Praba) 17:649-55, 1972 (Cze)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *GLYCOGEN, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ SKIN, metabolism/ *SWINE, embryology/ TIME FACTORS

2901. **Page RB, Galicich JH, Grunt JA:** Alteration of circadian temperature rbytbm witb third ventricular obstruction. J Neurosurg 38:309-19, Mar 73
ADOLESCENCE/ ADULT/ *BODY TEMPERATURE/ BODY TEMPERATURE REGULATION/ CARCINOMA, EPIDERMOID, pbysiopatbology/ CEREBRAL VENTRICLE NEOPLASMS, complications/ *CEREBRAL VENTRICLE NEOPLASMS, pbysiopathology/ CEREBROSPINAL FLUID SHUNTS/ *CIRCADIAN RHYTHM/ GONADOTROPINS, urine/ HUMAN/ *HYDROCEPHALUS, etiology/ HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHALAMUS, pbysiopatbology/ INSULIN, diagnostic use/ 17-KETOSTEROIDS, urine/ MALE/ PROTEIN-BOUND IODINE TEST/ SOMATOTROPIN, blood/ THYROID GLAND FUNCTION TESTS

2902. **Pagliara AS, Karl IE, Haymond M, et al:** Hypoglycemia in infancy and childhood. II.
J Pediatr 82:558-77, Apr 73 (188 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND DISEASES, complications/ AMINO ACIDS, metabolism/ CARBOHYDRATE METABOLISM, INBORN ERRORS, complications/ CHILD/ CHILD, PRESCHOOL/ DIAZOXIDE, tberapeutic use/ ENDOCRINE DISEASES, complications/ GALACTOSEMIA, complications/ GLUCOSE, therapeutic use/ GLUCOSEPHOSPHATASE, metabolism/ GLUCOSYLTRANSFERASES, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ GLYCOSIDE HYDROLASES, metabolism/ HUMAN/ HYPERINSULINISM, complications/ HYPERINSULINISM, surgery/ HYPERPLASIA/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, drug tberapy/ HYPOGLYCEMIA, etiology/ HYPOGLYCEMIA, metabolism/ INFANT/ ISLANDS OF LANGERHANS/ MALE/ PANCREATECTOMY/ PANCREATIC DISEASES, complications/ REVIEW

2903. **Pagliara AS, Karl IE, Haymond M, et al:** Hypoglycemia in infancy and childhood. I.
J Pediatr 82:365-79, Mar 73 (66 ref.)
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BLOOD SUGAR, metabolism/ CHILD/ CORTISONE, therapeutic use/ FEMALE/ GESTATIONAL AGE/ GLUCONEOGENESIS/ GLUCOSE, administration & dosage/ GLYCOGEN, biosyntbesis/ HOMEOSTASIS/ HUMAN/ *HYPOGLYCEMIA/ HYPOGLYCEMIA, etiology/ INFANT FOOD/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ *INFANT, PREMATURE, DISEASES/ INSULIN, antagonists & inhibitors/ INSULIN, pbysiology/ INSULIN, secretion/ LIVER, enzymology/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ REVIEW

2904. **Pagni R, Bergamini E, Pellegrino C:** The inhibition by denervation of tbe effect of testosterone on glycogen metabolism in tbe levator ani muscle.
Endocrinology 92:667-73, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *DENERVATION/ GLUCOSE, metabolism/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, analysis/ GLYCOGEN SYNTHETASE, analysis/ HEXOKINASE, analysis/ MALE/ MUSCLES, enzymology/ *MUSCLES, metabolism/ PYRUVATES, metabolism/ RATS/ *SPINAL CORD, physiology/ *TESTOSTERONE, pharmacodynamics/ XYLOSE, metabolism

2905. **Pal SB:** Urinary steroid excretion in hirsutism. I. Individual 17-ketosteroids (unconjugated and conjugated). Steroids Lipids Res 3:14-23, 1972
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ *HIRSUTISM, urine/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ MIDDLE AGE

2906. **Pala A, Meirinho M, Benagiano G:** Purification and properties of cborionic gonadotrophin from trophoblastic tissue, urine and plasma of a patient witb a bydatidiform mole.
J Endocrinol 56:441-50, Mar 73
ADULT/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FETAL MEMBRANES, analysis/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, isolation & purification/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *HYDATIDIFORM MOLE, metabolism/

HYDROGEN-ION CONCENTRATION/ IMMUNOELECTROPHORESIS/ ISOELECTRIC FOCUSING/ MOLECULAR WEIGHT/ PREGNANCY

2907. **Palamarchuk VI:** Antyrakhitychni rechovyny vershkiv. Ukr Biokhim Zh 44:247-51, 1972 (Ukr)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ *DAIRY PRODUCTS, analysis/ ENGLISH ABSTRACT/ INTESTINAL MUCOSA, metabolism/ METHODS/ RICKETS, drug therapy/ *RICKETS, therapy/ ULTRAVIOLET RAYS/ VITAMIN D, analysis/ VITAMIN D, therapeutic use

2908. **Palmer GC:** Adenyl cyclase in neuronal and glial-enriched fractions from rat and rabbit brain. Res Commun Chem Pathol Pharmacol 5:603-13, May 73
*ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MALE/ NEUROGLIA, enzymology/ NEURONS, enzymology/ NOREPINEPHRINE, pharmacodynamics/ RABBITS/ RATS

2909. **Palmer GC, Schmidt MJ, Robinson GA:** Development and characteristics of the histamine-induced accumulation of cyclic AMP in the rabbit cerebral cortex. J Neurochem 19:2251-6, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *HISTAMINE, pharmacodynamics/ IN VITRO/ PREGNANCY/ PUERPERIUM/ RABBITS/ TIME FACTORS/ TRIPELENNAMINE, pharmacodynamics/ TRITIUM

2910. **Palmer GC, Sulser F, Robison GA:** Effects of neurohumoral and adrenergic agents on cyclic AMP levels in various areas of the rat brain in vitro. Neuropharmacology 12:327-37, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ *DOPAMINE, pharmacodynamics/ HIPPOCAMPUS, metabolism/ HISTAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ MESENCEPHALON, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ *PARGYLINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ *RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

2911. **Palmer WK, Tipton CM:** Influence of hypophysectomy and training on size of isolated fat cells. Am J Physiol 224:1206-9, May 73
*ADIPOSE TISSUE, cytology/ ANIMAL EXPERIMENTS/ CYTOCHROME OXIDASE, metabolism/ DIET/ *EXERTION/ HINDLIMB/ *HYPOPHYSECTOMY/ MALE/ MICROSCOPY/ MUSCLES, enzymology/ RATS

2912. **Palmisano PA:** Vitamin D: a reawakening. JAMA 224:1526-7, 11 Jun 73 (18 ref.)
AORTIC VALVE STENOSIS, chemically induced/ CALCIUM, metabolism/ CALCIUM METABOLISM DISORDERS, metabolism/ CHOLECALCIFEROL, metabolism/ ERGOCALCIFEROL, metabolism/ FEMALE/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ HYPERCALCEMIA, chemically induced/ INFANT/ KIDNEY, drug effects/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ REVIEW/ RICKETS, VITAMIN D RESISTANT, metabolism/ SKIN, analysis/ VITAMIN D, adverse effects/ VITAMIN D, analysis/ *VITAMIN D, metabolism/ VITAMIN D, pharmacodynamics/ VITAMIN D DEFICIENCY

2913. **Palmiter RD, Schimke RT:** Regulation of protein synthesis in chick oviduct. 3. Mechanism of ovalbumin "superinduction" by actinomycin D. J Biol Chem 248:1502-12, 10 Mar 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBON ISOTOPES/ *DACTINOMYCIN, pharmacodynamics/ EGG WHITE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ ESTRADIOL, pharmacodynamics/ FEMALE/ HALF-LIFE/ IODINE ISOTOPES/ MUCOPROTEINS, biosynthesis/ MURAMIDASE, biosynthesis/ *OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ OVIDUCTS, enzymology/ *OVIDUCTS, metabolism/ PEPTIDE CHAIN ELONGATION, drug effects/ PEPTIDE CHAIN INITIATION, drug effects/ POLYRIBOSOMES, drug effects/ *PROTEINS, biosynthesis/ RNA, MESSENGER, metabolism/ SODIUM DODECYL SULFATE/ TISSUE CULTURE/ TRANSFERRIN, biosynthesis/ TRITIUM

2914. **Palo J, Savolainen H:** The proteins of human myelin in inborn errors of metabolism and in chromosomal anomalies. Acta Neuropathol (Berl) 24:56-61, 30 Mar 73
ADOLESCENCE/ ADULT/ AMAUROTIC FAMILIAL IDIOCY, metabolism/ AMAUROTIC FAMILIAL IDIOCY, pathology/ ASPARTIC ACID, metabolism/ AUTOPSY/ BRAIN, metabolism/ BRAIN, pathology/ CHILD/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ MALE/ METABOLISM, INBORN ERRORS, metabolism/ *METABOLISM, INBORN ERRORS, pathology/ MONGOLISM, metabolism/ *MONGOLISM, pathology/ MUCOPOLYSACCHARIDES, metabolism/ *NERVE TISSUE PROTEINS, analysis/ *NEUROGLIA, analysis/ TURNER'S SYNDROME, pathology

2915. **Paloyan E, Paloyan D, Pickleman JR:** Hyperparathyroidism today. Surg Clin North Am 53:211-20, Feb 73
CALCIUM, blood/ CALCIUM, urine/ DIAGNOSIS, DIFFERENTIAL/ ERGOCALCIFEROL, therapeutic use/ HEMODIALYSIS/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, classification/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, etiology/ METHODS/ PARATHYROID GLANDS, pathology/ PARATHYROID HORMONE, blood/ POSTOPERATIVE COMPLICATIONS/ RADIOIMMUNOASSAY/ RECURRENCE

2916. **Panaretto BA, Paterson JY, Hills F:** The relationship of the splanchnic, hepatic and renal clearance rates to the metabolic clearance rate of cortisol in conscious sheep. J Endocrinol 56:285-94, Feb 73
*ABDOMEN, metabolism/ ANIMAL EXPERIMENTS/ AORTA/ CONSCIOUSNESS/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ HEPATIC VEINS/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ JUGULAR VEIN/ *KIDNEY, metabolism/ *LIVER, metabolism/ LIVER CIRCULATION, drug effects/ METABOLIC CLEARANCE RATE, drug effects/ PORTAL SYSTEM/ RADIOLIGAND ASSAY/ RENAL VEINS/ SHEEP/ TRITIUM

2917. **Panchaud JR:** Tumeurs germinales extragonadiques de

la loge thymique.
Schweiz Med Wochenschr 103:702-11, 12 May 73 (Ger)
ADOLESCENCE/ ADULT/ AUTOPSY/ BRAIN NEOPLASMS, pathology/ DERMOID CYST, pathology/ *DISGERMINOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS, pathology/ MIDDLE AGE/ RETROPERITONEAL NEOPLASMS, pathology/ *TERATOID TUMOR, pathology/ TESTICULAR NEOPLASMS, pathology

2918. **Panchenko LF, Stelletskaya NV, Syrota TV, et al:** Effects of inhibitors of energetic metabolism on RNA turnover in animal cells.
Biochim Biophys Acta 299:103-13, 23 Feb 73
*ANTIMETABOLITES, pharmacodynamics/ ANTIMYCIN A, pharmacodynamics/ AZIDES, pharmacodynamics/ BASE SEQUENCE/ CARBON ISOTOPES/ CARCINOMA, EHRLICH TUMOR, metabolism/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CYANIDES, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ELECTROPHORESIS, PAPER/ ENERGY TRANSFER, drug effects/ FLUORIDES, pharmacodynamics/ IODOACETATES, pharmacodynamics/ KINETICS/ MICE/ NEOPLASM PROTEINS, biosynthesis/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ OLIGOMYCIN, pharmacodynamics/ OVARIAN NEOPLASMS, metabolism/ PHOSPHORUS ISOTOPES/ RNA/ *RNA, metabolism/ RNA, NEOPLASM, analysis/ RNA, NEOPLASM, biosynthesis/ ROTENONE, pharmacodynamics

2919. **Pandey S, Hoar WS:** Induction of ovulation in goldfish by clomiphene citrate. Can J Zool 50:1679-80, Dec 72
ANIMAL EXPERIMENTS/ CITRATES, pharmacodynamics/ *CLOMIPHENE, pharmacodynamics/ *CYPRINIDAE, physiology/ FEMALE/ *OVULATION, drug effects

2920. **Pang PK, Griffith RW, Schreibman MP:** The pituitary gland and calcium metabolism in Fundulus diaphanus (teleostei). Gen Comp Endocrinol 20:358-61, Apr 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CHLORIDES, blood/ *FISHES, physiology/ FRESH WATER/ HYPOCALCEMIA, etiology/ HYPOPHYSECTOMY/ *PITUITARY GLAND, physiology/ SODIUM, blood/ SPASM, etiology/ *WATER-ELECTROLYTE BALANCE

2921. **Panjabi MM, White AA 3d, Southwick WO:** Mechanical properties of bone as a function of rate of deformation. J Bone Joint Surg [Am] 55:322-30, Mar 73
ANIMAL EXPERIMENTS/ *BIOMECHANICS/ *BONE AND BONES, physiology/ ELASTICITY/ ENERGY TRANSFER/ FEMUR, physiology/ OSCILLOMETRY/ RABBITS/ STRESS, MECHANICAL/ ULNA, physiology/ VISCOSITY

2922. **Panksepp J, Booth DA:** Tolerance in the depression of intake when amphetamine is added to the rat's food.
Psychopharmacologia 29:45-54, 27 Feb 73
ANIMAL EXPERIMENTS/ DEXTRO AMPHETAMINE, administration & dosage/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DRUG TOLERANCE/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ FOOD DEPRIVATION/ HYPOTHALAMUS, physiology/ MALE/ RATS

2923. **Panksepp J, Nance DM:** Insulin, glucose and hypothalamic regulation of feeding.
Physiol Behav 9:447-51, Sep 72
ALLOXAN DIABETES/ ANIMAL EXPERIMENTS/ *APPETITE REGULATION, drug effects/ BODY WEIGHT, drug effects/ *EATING, drug effects/ FEEDING BEHAVIOR, drug effects/ FOOD DEPRIVATION/ *GLUCOSE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *INSULIN, PROTAMINE ZINC, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ SATIATION

2924. **Pant KP, Beatty RA:** Post-fertilization maternal effects on sperm dimensions of inbred mouse strains.
J Reprod Fertil 33:175-7, Apr 73
ANIMAL EXPERIMENTS/ EMBRYO, growth & development/ FEMALE/ FERTILIZATION/ GENOTYPE/ MALE/ MICE/ MICE, INBRED STRAINS/ *OVUM, transplantation/ PREGNANCY/ SEX CHROMOSOMES/ *SPERMATOZOA, cytology/ TRANSPLANTATION, HOMOLOGOUS

2925. **Panush RS, Wilkinson LS, Fagin RR:** Chronic active hepatitis associated with eosinophilia and Coombs'-positive hemolytic anemia.
Gastroenterology 64:1015-9, May 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANTIBODIES/ BIOPSY/ BONE MARROW EXAMINATION/ CHRONIC DISEASE/ *EOSINOPHILIA, complications/ EOSINOPHILIA, drug therapy/ *HEPATITIS, complications/ HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ HUMAN/ IGG/ MALE/ PREDNISONE, therapeutic use/ RECURRENCE

2926. **Papanayotou PH, Hatziotis JC:** Ascher's syndrome. Report of a case.
Oral Surg 35:467-71, Apr 73
ADOLESCENCE/ CASE REPORT/ *EYELID DISEASES/ FEMALE/ *GOITER/ GOITER, radiography/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *LIP, abnormalities/ LIP DISEASES, surgery/ RADIOISOTOPE SCANNING/ SURGERY, PLASTIC

2927. **Pappo A:** Aperçu clinique sur les arylamidases.
Rev Roum Med Intern 9:517-29, 1972 (105 ref.) (Fre)
ADRENAL GLANDS, enzymology/ AMIDOHYDROLASES, blood/ *AMIDOHYDROLASES, metabolism/ AMIDOHYDROLASES, urine/ BILE, enzymology/ BILIARY TRACT DISEASES, enzymology/ GLYCINE/ HUMAN/ INTESTINAL MUCOSA, enzymology/ KIDNEY, enzymology/ LEUCINE/ LEUCINE AMINOPEPTIDASE, metabolism/ LIVER, enzymology/ LIVER DISEASES, enzymology/ MYOCARDIUM, enzymology/ NAPHTHALENES/ PANCREAS, enzymology/ PANCREATIC DISEASES, enzymology/ PEPTIDES, CYCLIC/ REVIEW/ SALIVARY GLANDS, enzymology/ SERINE

2928. **Papworth MP:** The physical measurement of bone mineral in humans. 1. Measurement by diagnostic radiography.
Australas Radiol 16:320-4, Sep 72 (27 ref.)
*BONE AND BONES, radiography/ *BONE RESORPTION, radiography/ DENSITOMETRY, X-RAY/ FEMUR, radiography/ HUMAN/ HUMERUS, radiography/ METACARPUS, radiography/ *MINERALS, analysis/ RADIUS, radiography/ REVIEW/ SCATTERING/ SPINE, radiography/ WATER

2929. **Parada MI, Rodriguez-Echandía EL:** A depolymerizing effect of the luteinizing hormone and follicle stimulating hormone on the neurotubules of the hypothalamus-hypophysial tract in the rat.
Experientia 29:195-6, 15 Feb 73
ANIMAL EXPERIMENTS/ FSH, metabolism/ *FSH, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, metabolism/ *LH, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ *MICROTUBULES, drug effects/ MICROTUBULES, metabolism/ NEURONS, cytology/ *NEURONS, drug effects/ RATS

2930. **Parekh MC, Benjamin F, Gastillo N:** The influence of maternal human growth hormone secretion on the weight of the newborn infant.
Am J Obstet Gynecol 115:197-201, 15 Jan 73
*BIRTH WEIGHT/ FATTY ACIDS,

NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT, NEWBORN/ INSULIN, diagnostic use/ PITUITARY GLAND, secretion/ PREGNANCY/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

2931. **Parent A:** Distribution of monoamine-containing nerve terminals in the brain of the painted turtle, Chrysemys picta. J Comp Neurol 148:153-65, 15 Mar 73
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ *BRAIN, anatomy & histology/ BRAIN STEM, anatomy & histology/ *CATECHOLAMINES, metabolism/ CORPUS STRIATUM, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ MICROSCOPY, FLUORESCENCE/ *NERVE ENDINGS, metabolism/ RETICULAR FORMATION, anatomy & histology/ SEPTUM PELLUCIDUM, anatomy & histology/ *SEROTONIN, metabolism/ SUPERIOR COLLICULUS, anatomy & histology/ THALAMUS, anatomy & histology/ *TURTLES, anatomy & histology

2932. **Parent AD, Meyer GA, Tindall GT:** The clinical laboratory in the investigation of patients with head injury. South Med J 66:579-85, May 73
ALDOSTERONE, metabolism/ CATECHOLAMINES, metabolism/ CORTICOTROPIN, metabolism/ DEHYDRATION, etiology/ ELECTROLYTES, metabolism/ GLUCAGON, metabolism/ GLUCOSE, metabolism/ *HEAD INJURIES, complications/ HUMAN/ HYDROCORTISONE, metabolism/ HYPERNATREMIA, etiology/ HYPONATREMIA, etiology/ *METABOLIC DISEASES, etiology/ SOMATOTROPIN, metabolism/ VASOPRESSIN, metabolism/ WATER-ELECTROLYTE BALANCE/ WATER INTOXICATION, etiology

2933. **Pariser RJ, Munson AE, Mellette SJ:** Potentiation of cortisone-induced RES suppression in mice by vitamin K 1 . J Reticuloendothel Soc 13:319-24, Apr 73
ANIMAL EXPERIMENTS/ CORTISONE, administration & dosage/ *CORTISONE, pharmacodynamics/ DRUG SYNERGISM/ ERYTHROCYTES, immunology/ IMMUNITY, CELLULAR, drug effects/ *IMMUNOSUPPRESSION/ INJECTIONS, SUBCUTANEOUS/ LIVER, immunology/ MALE/ METHODS/ MICE/ MICE, INBRED STRAINS/ PHAGOCYTOSIS, drug effects/ PHYTONADIONE, administration & dosage/ *PHYTONADIONE, pharmacodynamics/ *RETICULOENDOTHELIAL SYSTEM, drug effects/ RETICULOENDOTHELIAL SYSTEM, immunology/ RETICULOENDOTHELIAL SYSTEM, physiology/ SHEEP/ SPLEEN, cytology/ SPLEEN, immunology

2934. **Parisi M, Piccinni ZF:** Regulation of the permeability to water in toad urinary bladder: the effect of copper. J Endocrinol 55:1-9, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO ARENARUM/ *COPPER, pharmacodynamics/ IN VITRO/ KINETICS/ OSMOLAR CONCENTRATION/ OXYTOCIN, antagonists & inhibitors/ PERMEABILITY/ SUCROSE/ THEOPHYLLINE, antagonists & inhibitors/ TRITIUM/ *WATER, metabolism

2935. **Park CD, Sutnick AI:** Pulmonary surface activity alterations associated with pulmonary edema following preoptic hypothalamic lesions in rats. Proc Soc Exp Biol Med 142:1025-30, Mar 73
ANIMAL EXPERIMENTS/ BRAIN INJURIES, ACUTE, complications/ EPINEPHRINE/ HYPOTHALAMUS, injuries/ *HYPOTHALAMUS, physiopathology/ MALE/ PULMONARY ALVEOLI, physiopathology/ PULMONARY EDEMA, chemically induced/ PULMONARY EDEMA, etiology/ *PULMONARY EDEMA, physiopathology/ *PULMONARY SURFACTANT/ RATS/ SURFACE TENSION

2936. **Park LJ, Wentz AC, Jones HW Jr:** The viability of fetal skin of abortuses induced by saline or prostaglandin. Am J Obstet Gynecol 115:274-5, 15 Jan 73
*ABORTION, INDUCED/ CELLS, CULTURED/ COMPARATIVE STUDY/ FEMALE/ *FETUS, cytology/ HUMAN/ *HYPERTONIC SOLUTIONS, therapeutic use/ PREGNANCY/ *PROSTAGLANDINS, therapeutic use/ *SKIN, cytology/ SODIUM CHLORIDE, therapeutic use

2937. **Parker CW, Baumann ML, Huber MG:** Alterations in cyclic AMP metabolism in human bronchial asthma. II. Leukocyte and lymphocyte responses to prostaglandins. J Clin Invest 52:1336-41, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ASTHMA, metabolism/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

2938. **Parker CW, Huber MG, Baumann ML:** Alterations in cyclic AMP metabolism in human bronchial asthma. 3. Leukocyte and lymphocyte responses to steroids. J Clin Invest 52:1342-8, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ASTHMA, metabolism/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ PHOSPHATES, pharmacodynamics/ *PREDNISOLONE, pharmacodynamics/ SUCCINATES, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

2939. **Parker CW, Morse SI:** The effect of Bordetella pertussis on lymphocyte cyclic AMP metabolism. J Exp Med 137:1078-90, 1 Apr 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BACTERIOLOGICAL TECHNICS/ *BORDETELLA PERTUSSIS/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ GEL FILTRATION/ HISTAMINE, pharmacodynamics/ HUMAN/ HYPERSENSITIVITY, IMMEDIATE/ ISOPROTERENOL, pharmacodynamics/ *LYMPHOCYTES, metabolism/ METHACHOLINE COMPOUNDS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY

2940. **Parker DR, Busby N:** Observations concerning the effects of radiations on the segregation of chromosomes. Mutat Res 18:33-46, Apr 73
ALLELES/ ANIMAL EXPERIMENTS/ *CHROMOSOMES, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ DROSOPHILA MELANOGASTER/ FEMALE/ MALE/ *MEIOSIS, radiation effects/ OVUM, cytology/ *RADIATION GENETICS/ SEX CHROMOSOMES, radiation effects/ TRISOMY

2941. **Parlow AF, Coyotupa J, Kovacic N:** The sequence of changes in prepubertal male rat serum testosterone following intravenous injection of rat LH. J Reprod Fertil 32:163-5, Jan 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRAVENOUS/ *LH, administration & dosage/ LH, pharmacodynamics/ MALE/ PUBERTY/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, blood

2942. **Parmeggiani PL, Franzini C:** On the functional significance of subcortical single unit activity during sleep.

Electroencephalogr Clin Neurophysiol 34:495-508, May 73
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CATS/ CEREBRAL CORTEX, physiology/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ GANGLIA, BASAL, physiology/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ *SLEEP/ SLEEP STAGES/ TEMPERATURE/ THALAMUS, physiology/ WAKEFULNESS

2943. **Parmeggiani PL, Franzini C, Lenzi P, et al:** Threshold of respiratory responses to preoptic heating during sleep in freely moving cats.
Brain Res 52:189-201, 30 Mar 73
ANIMAL EXPERIMENTS/ CATS/ DIAPHRAGM, physiology/ ELECTROENCEPHALOGRAPHY/ ELECTROPHYSIOLOGY/ *HEAT/ HOMEOSTASIS/ *HYPOTHALAMUS, physiology/ INTERCOSTAL MUSCLES, physiology/ *RESPIRATION/ *SLEEP STAGES

2944. **Parry HB, Livett BG:** A new hypothalamic pathway to the median eminence containing neurophysin and its hypertrophy in sheep with natural scraple.
Nature 242:63-5, 2 Mar 73
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES/ FLUORESCENT ANTIBODY TECHNIC/ HYPERTROPHY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, pathology/ NEURAL INTERCONNECTIONS, pathology/ NEURONS/ NEUROPHYSINS, analysis/ *NEUROPHYSINS, secretion/ NEUROSECRETION/ *SCRAPIE, pathology/ SHEEP/ *SHEEP DISEASES, pathology/ VASOPRESSIN, secretion

2945. **Parsons V, Davies C, Self M:** Total urinary hydroxyproline excreted in healing experimental rat rickets, studied with 14 C proline.
Calcif Tissue Res 12:47-58, 1973
ANIMAL EXPERIMENTS/ CARBON DIOXIDE/ CARBON ISOTOPES/ COLLAGEN, biosynthesis/ EPIPHYSES, metabolism/ *HYDROXYPROLINE, urine/ MALE/ PROLINE, metabolism/ RATS/ RICKETS, metabolism/ *RICKETS, urine

2946. **Parvez H, Parvez S:** Action d'un inhibiteur de la synthèse des corticoids, la métopirone, sur le taux plasmatique d'adrénaline et de noradrénaline, la glycémie et le glycogène hépatique chez le rat.
Arch Int Pharmacodyn Ther 202:93-101, Mar 73 (Fre)
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ *EPINEPHRINE, blood/ *LIVER GLYCOGEN, metabolism/ MALE/ *METYRAPONE, pharmacodynamics/ *NOREPINEPHRINE, blood/ RATS

2947. **Parvez H, Parvez S:** The effects of metopirone and adrenalectomy on the regulation of the enzymes monoamine oxidase and catechol-O-methyl transferase in different brain regions.
J Neurochem 20:1011-20, Apr 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CARBON ISOTOPES/ CATECHOL/ CATECHOL METHYLTRANSFERASE, metabolism/ ENZYME REPRESSION/ GLUCOCORTICOIDS, pharmacodynamics/ HYPOTHALAMUS, enzymology/ MALE/ *METHYLTRANSFERASES, metabolism/ *METYRAPONE, pharmacodynamics/ *MONOAMINE OXIDASE, metabolism/ PINEAL BODY, enzymology/ PITUITARY GLAND, enzymology/ RATS/ TIME FACTORS

2948. **Parvulescu I, Dusleag L:** L'utilisation du pessaire contraceptif intra-utérin dans le traitement des synéchies d'origine traumatique.
Rev Fr Gynecol Obstet 67:653-4, Nov 72 (Fre)
*ADHESIONS, therapy/ ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ *PESSARIES/ PROGESTATIONAL HORMONES, administration & dosage/ *UTERINE DISEASES, therapy

2949. **Pasha SP:** Sindrom Shikhana v sochetanii s kraurozom i leĭkoplakiei vul'vy. Vrach Delo 9:118-9, Sep 72 (Rus)
CASE REPORT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, complications/ *KRAUROSIS VULVAE, complications/ *LEUKOPLAKIA, complications/ MIDDLE AGE/ PREGNANCY/ *PUERPERAL DISORDERS, complications/ SHEEHAN'S SYNDROME, complications/ *VULVAR NEOPLASMS, complications

2950. **Passa P:** Hormone de croissance et microangiopathie diabétique. Sem Hop Paris 48:3329-32, 8 Dec 72 (Fre)
BLOOD PLATELET DISORDERS, therapy/ *DIABETIC ANGIOPATHIES, metabolism/ DIABETIC ANGIOPATHIES, physiopathology/ DIABETIC ANGIOPATHIES, therapy/ *DIABETIC RETINOPATHY, metabolism/ DIABETIC RETINOPATHY, physiopathology/ DIABETIC RETINOPATHY, therapy/ HUMAN/ *HYPOPHYSECTOMY/ *MICROCIRCULATION/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY GLAND IRRADIATION/ SOMATOTROPIN, blood/ *SOMATOTROPIN, metabolism

2951. **Passwell J, Zipperkowski L, Katznelson D, et al:** A syndrome characterized by congenital ichthyosis with atrophy, mental retardation, dwarfism, and generalized aminoaciduria. J Pediatr 82:466-71, Mar 73
ADOLESCENCE/ *AMINO ACID METABOLISM, INBORN ERRORS, familial & genetic/ ATROPHY, familial & genetic/ BIOPSY/ CHILD/ CONSANGUINITY/ DERMATOGLYPHICS/ *DWARFISM, familial & genetic/ FEMALE/ GLUCOSE TOLERANCE TEST/ GLYCOSURIA, RENAL, familial & genetic/ HUMAN/ HYPERGAMMAGLOBULINEMIA, familial & genetic/ *ICHTHYOSIS, familial & genetic/ ICHTHYOSIS, pathology/ MALE/ *MENTAL RETARDATION, familial & genetic/ NAILS, MALFORMED, familial & genetic/ ORAL MANIFESTATIONS/ PEDIGREE/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, familial & genetic/ SKIN, pathology/ SKIN DISEASES, familial & genetic/ SYNDROME/ TOOTH ABNORMALITIES, familial & genetic/ URIC ACID, urine

2952. **Pasternack RF, Cobb MA:** Reactions of a water soluble cobalt porphyrin with thiocyanate.
Biochem Biophys Res Commun 51:507-11, 2 Apr 73
CHEMISTRY/ *COBALT/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIGANDS/ *PORPHYRINS/ SODIUM HYDROXIDE/ SPECTROPHOTOMETRY/ *THIOCYANATES

2953. **Pataky PE, Graham WP 3d, Munger BL:** Terminal neuromas treated with triamcinolone acetonide.
J Surg Res 14:36-45, Jan 73
ANIMAL EXPERIMENTS/ EXTREMITIES/ MALE/ MICROSCOPY, ELECTRON/ MONKEYS/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NERVE DEGENERATION/ *NEUROMA, drug therapy/ NEUROMA, pathology/ *PERIPHERAL NERVE NEOPLASMS, drug therapy/ PERIPHERAL NERVE NEOPLASMS, pathology/ PERIPHERAL NERVES, pathology/ *TRIAMCINOLONE ACETONIDE, therapeutic use

2954. **Patel AJ, Balázs R, Johnson AL:** Effect of undernutrition on cell formation in the rat brain.
J Neurochem 20:1151-65, Apr 73
AGING/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BRAIN, growth & development/ BRAIN, metabolism/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ DNA, analysis/ DNA, biosynthesis/ FEMALE/ FETUS, growth & development/ LACTATION/ MATHEMATICS/ MITOSIS/ ORGAN WEIGHT/ PREGNANCY/ RATS/ *STARVATION/ THYMIDINE, metabolism/ TIME FACTORS

2955. **Patel DJ:** Conformation of antamanide-sodium in

solution. Biochemistry 12:677-88, Feb 73
AMINES/ *ANTITOXINS/ CARBON ISOTOPES/ CIRCULAR DICHROISM/ CYANIDES/ DEUTERIUM/ GLYCINE/ HYDROGEN/ MODELS, CHEMICAL/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ *PEPTIDES, CYCLIC/ PHENYLALANINE/ PROLINE/ PROTONS/ SODIUM/ SOLUTIONS/ SPECTRUM ANALYSIS/ TEMPERATURE/ THIOCYANATES

2956. **Patel YC, Burger HG:** Effect of synthetic thyrotrophin releasing hormone (TRH) in man.
Aust NZ J Med 2:366-75, Nov 72
ADULT/ AGED/ BRAIN NEOPLASMS, complications/ FEMALE/ FSH, blood/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ HYPERTHYROIDISM, diagnosis/ HYPOTHALAMUS/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ INJECTIONS, INTRAVENOUS/ LH, blood/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ SHEEHAN'S SYNDROME, complications/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, pharmacodynamics

2957. **Paterson JY:** The rate constants for the interaction of cortisol and transcortin, and the rate of dissociation of transcortin-bound cortisol in the liver.
J Endocrinol 56:551-70, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ FEMALE/ GEL FILTRATION/ HEPATIC VEINS/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ KINETICS/ *LIVER, metabolism/ MODELS, BIOLOGICAL/ PORTAL VEIN/ PROTEIN BINDING/ SERUM ALBUMIN/ SHEEP/ TEMPERATURE/ THERMODYNAMICS/ *TRANSCORTIN, metabolism/ TRITIUM

2958. **Patton S, McCarthy RD, Plantz PE, et al:** Phospholipid incorporation into plasma membrane of lactating mammary cell with special reference to sphingomyelin. Nature [New Biol] 241:241-2, 21 Feb 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE, analysis/ CELL MEMBRANE, metabolism/ CEPHALINS, analysis/ FEMALE/ GOATS/ *LACTATION/ LECITHINS, analysis/ MAMMAE, cytology/ *MAMMAE, metabolism/ MILK, analysis/ PHOSPHOINOSITIDES, analysis/ PHOSPHOLIPIDS, analysis/ *PHOSPHOLIPIDS, metabolism/ PHOSPHORUS ISOTOPES/ SPHINGOMYELINS, analysis/ *SPHINGOMYELINS, metabolism

2959. **Pattyn SR:** Comments on the chemotherapy of leprosy as influenced by present knowledge of Mycobacterium leprae.
Lepr Rev 43:126-36, Sep 73 (68 ref.)
ANILINE COMPOUNDS, therapeutic use/ DAPSONE, administration & dosage/ DAPSONE, pharmacodynamics/ DRUG RESISTANCE, MICROBIAL/ ETHIONAMIDE, therapeutic use/ HUMAN/ *LEPROSY, drug therapy/ LEPROSY, immunology/ MYCOBACTERIUM LEPRAE, drug effects/ PHENAZINES, therapeutic use/ REVIEW/ RIFAMPIN, therapeutic use/ SULFONAMIDES, therapeutic use/ SULFONES, therapeutic use/ THIACETAZONE, therapeutic use/ THIOSEMICARBAZONES, therapeutic use/ THIOUREA, therapeutic use

2960. **Pauerstein CJ, Fremming BD, Hodgson BJ, et al:** The promise of pharmacologic modification of ovum transport in contraceptive development.
Am J Obstet Gynecol 116:161-6, 15 May 73
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ *FALLOPIAN TUBES, drug effects/ FEMALE/ *OVUM, drug effects/ PHENOXYBENZAMINE, antagonists & inhibitors/ PROGESTERONE, antagonists & inhibitors/ RABBITS

2961. **Paukovits WR:** Wachstumsregulation hämatopoletischer Systeme und humorale Kontrolle der Zelliellung.
Wien Klin Wochenschr 85:Suppl 8:1-12, 1973 (Ger)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ CELL DIFFERENTIATION/ *CELL DIVISION/ CHALONES, biosynthesis/ CORTICOTROPIN, biosynthesis/ DNA, biosynthesis/ DNA REPLICATION/ ENGLISH ABSTRACT/ ERYTHROPOIETIN, biosynthesis/ FEEDBACK/ HEMATOPOIETIC STEM CELLS, growth & development/ *HEMATOPOIETIC SYSTEM, growth & development/ HOMEOSTASIS/ HUMAN/ LEUKEMIA, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ RABBITS/ RATS/ RNA, biosynthesis

2962. **Paul P, Holmes WL:** Free fatty acid metabolism during stress: exercise, acute cold exposure, and anaphylactic shock. Lipids 8:142-50, Mar 73
ACCLIMATIZATION/ ANAPHYLAXIS, chemically induced/ ANAPHYLAXIS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON DIOXIDE, blood/ COLD/ DOGS/ EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HUMAN/ LACTATES, blood/ MALE/ OXIDATION-REDUCTION/ PALMITIC ACID, metabolism/ PANCREAS, physiology/ PANCREATECTOMY/ RESPIRATION/ SERUM ALBUMIN/ SHIVERING/ *STRESS, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

2963. **Paul PK, Duttagupta PN:** Inhibition of oestrogen-induced increase in hepatic and uterine glycogen by progesterone in the rat.
Acta Endocrinol (Kbh) 72:762-70, Apr 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BODY WEIGHT, drug effects/ CASTRATION/ DEPRESSION, CHEMICAL/ *ESTRADIOL, antagonists & inhibitors/ FEMALE/ *GLYCOGEN, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ ORGAN WEIGHT/ OVARY, physiology/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS/ UTERUS, drug effects/ *UTERUS, metabolism

2964. **Paula e Silva P de, Diament J, Forti N, et al:** Aspectos d metabolismo lipídico no mixedema, antes e apo tratamento.
Rev Hosp Clin Fac Med Sao Paulo 28:3-8, Jan-Feb 7 (Por
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HEPARIN, diagnostic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ LIPIDS, blood/ *LIPIDS, metabolism/ MALE/ MYXEDEMA, blood/ *MYXEDEMA, metabolism/ MYXEDEMA, therapy

2965. **Paulo LG, Wilkerson RD, Roh BL, et al:** The effects o prostaglandin E 1 on erythropoietin production
Proc Soc Exp Biol Med 142:771-5, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTES, metabolism/ ERYTHROPOIETIN, analysis/ *ERYTHROPOIETIN, biosynthesis/ FEMALE/ IRON, metabolism/ IRON ISOTOPES/ KIDNEY, analysis/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MICE/ PERFUSION/ POLYCYTHEMIA, blood/ POLYCYTHEMIA, metabolism/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS pharmacodynamics

2966. **Păunescu C, Lacriteanu V, Ataman T:** Aspecte etiopatogenice şi clinice ale traumatismelor accidentale laringotraheale la copii.
Otorinolaringologie 18:43-6, Jan-Feb 73 (Rum

ADOLESCENCE/ ANTIBIOTICS, therapeutic use/ CHILD/ DYSPNEA, etiology/ ENGLISH ABSTRACT/ EPHEDRINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ LARYNGOSTENOSIS, etiology/ *LARYNX, injuries/ MALE/ SPEECH DISORDERS, etiology/ *TRACHEA, injuries/ TRACHEOTOMY

2967. **Paup DC:** Effect of progesterone and Nembutal in altering estrous running and vaginal periodicity in the female rat. Endocrinology 92:1530-5, May 73
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ *MOTOR ACTIVITY, drug effects/ *PENTOBARBITAL, pharmacodynamics/ PERIODICITY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ *VAGINA, drug effects

2968. **Păuşescu E, Chirvasie R, Teodosiu T, et al:** Early effects of 60 Co gamma-radiation on cerebral catecholamines, serotonin and related compounds.
Strahlentherapie 145:76-82, Jan 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRAIN CHEMISTRY, radiation effects/ COBALT ISOTOPES/ DOPA, analysis/ DOPA DECARBOXYLASE, analysis/ DOPAMINE, analysis/ EPINEPHRINE, analysis/ FEMALE/ MALE/ MANDELIC ACID, analysis/ MONOAMINE OXIDASE, analysis/ RABBITS/ *RADIATION EFFECTS/ SEROTONIN, analysis

2969. **Pawlaczyk J, Kowalski E, Banaszkiewicz W, et al:** Wpływ drgawek wywoływanych kardiazolem na zachowanie się zmian neurosekrecyjnych w układzie podwzgórzowo-przysadkowym u królika.
Patol Pol 24:187-95, Jan-Mar 73 (Pol)
ANIMAL EXPERIMENTS/ CONVULSIONS, chemically induced/ *CONVULSIONS, pathology/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, pathology/ *NEUROSECRETION, drug effects/ *PENTYLENETETRAZOLE/ RABBITS

2970. **Payk TR:** Therapeutische Probleme bei Encephalomyelitis disseminata (multipler Sklerose.
Ther Ggw 112:349-50, Mar 73 (25 ref.) (Ger)
ANTIBIOTICS, therapeutic use/ ANTICOAGULANTS, therapeutic use/ ANTIDIABETICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTITUBERCULAR AGENTS, therapeutic use/ DIET THERAPY/ ELECTROTHERAPY/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MULTIPLE SCLEROSIS, drug therapy/ *MULTIPLE SCLEROSIS, therapy/ REVIEW/ SEROTHERAPY/ TISSUE THERAPY/ VASODILATOR AGENTS, therapeutic use/ VITAMINS, therapeutic use

2971. **Payk TR, Vliegen J:** Polyneuritische Bilder bei rheumatischen Erkrankungen.
Fortschr Med 91:353-6 passim, 22 Mar 73 (Ger)
ADULT/ BRAIN DISEASES, etiology/ FACIAL PARALYSIS, etiology/ FEMALE/ HUMAN/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PENICILLIN, therapeutic use/ POLYNEURITIS, drug therapy/ *POLYNEURITIS, etiology/ PREDNISOLONE, therapeutic use/ *RHEUMATISM, complications/ RHEUMATISM, drug therapy

2972. **Payne AH, Lawrence CC, Foster DL, et al:** Intranuclear binding of 17 -estradiol and estrone in female ovine pituitaries following incubation with estrone sulfate.
J Biol Chem 248:1598-602, 10 Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CEREBRAL CORTEX, cytology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ ESTRADIOL, biosynthesis/ *ESTRADIOL, metabolism/ ESTRONE, biosynthesis/ *ESTRONE, metabolism/ FEMALE/ GEL FILTRATION/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ NADP, pharmacodynamics/ OVARY, physiology/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ SHEEP/ SULFURIC ACIDS, metabolism/ SURFACE-ACTIVE AGENTS/ TRITIUM

2973. **Peacock MR, Elcock HA:** Ultra-sound in failed surgical labyrintbectomy. A case report.
J Laryngol Otol 87:485-9, May 73
BONE AND BONES, anatomy & histology/ ELECTROOCULOGRAPHY/ FEMALE/ FISTULA, surgery/ HAVERSIAN SYSTEM, anatomy & histology/ HUMAN/ *LABYRINTH, surgery/ MASTOID, surgery/ MIDDLE AGE/ NYSTAGMUS, etiology/ OTITIS MEDIA, surgery/ *ULTRASONIC THERAPY/ *VERTIGO, therapy/ VESTIBULAR FUNCTION TESTS

2974. **Pearce EI, Smillie AC:** The mineralization of hair follicle tissue. II. An in vitro study.
Calcif Tissue Res 11:23-38, 25 Jan 73
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM PHOSPHATES, metabolism/ CRYSTALLIZATION/ FREEZE DRYING/ *HAIR, metabolism/ HYDROXYAPATITE, metabolism/ KERATIN, metabolism/ MALE/ MERCAPTOETHANOL/ PROTEINS, metabolism/ RATS/ *SKIN, metabolism/ SULFHYDRYL COMPOUNDS/ X-RAY DIFFRACTION

2975. **Pearce FL, Banthorpe DV, Cook JM, et al:** Adsorption of nerve growth factor onto surfaces. Implications for the assay in tissue culture.
Eur J Biochem 32:569-75, 1 Feb 73
ADSORPTION/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ GLASS/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ METHODS/ *NERVE GROWTH FACTOR/ NERVE GROWTH FACTOR, analysis/ PLASTICS/ SILICONES/ SNAKES/ SUBMANDIBULAR GLAND/ SURFACE PROPERTIES/ TISSUE CULTURE/ VENOMS

2976. **Pearce J:** Postherpetic neuralgia.
Br Med J 1:679, 17 Mar 73
*HERPES ZOSTER, drug therapy/ HUMAN/ *NEURALGIA, prevention & control/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use

2977. **Pearlmutter AF, Rapino E, Saffran M:** Comparison of steroidogenic effects of cAMP and dbcAMP in the rat adrenal gland. Endocrinology 92:679-86, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ CORTICOSTERONE/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ FLUORESCENCE/ IN VITRO/ RATS/ *STEROIDS, biosyntbesis/ TIME FACTORS/ TRITIUM

2978. **Pearse AG, Polak JM, Rost FW, et al:** Demonstration of the neural crest origin of type I (APUD) cells in the avian carotid body, using a cytochemical marker system. Histochemie 34:191-203, 1973
ANIMAL EXPERIMENTS/ BIOGENIC AMINES, analysis/ BRAIN, embryology/ BRAIN, transplantation/ CAROTID BODY, analysis/ *CAROTID BODY, cytology/ CAROTID BODY, embryology/ CHICK EMBRYO/ *CHICKENS, anatomy & histology/ DOPAMINE, analysis/ HISTOCYTOCHEMISTRY/ *QUAIL, anatomy & histology/ SEROTONIN, analysis/ SPECIES SPECIFICITY/ TRANSPLANTATION, HOMOLOGOUS

2979. **Pearson AK, Licht P, Zambrano D:** Ultrastructure of

the pars distalis of the lizard Anolis carolinensis with special reference to the identification of the gonadotropic cell.
Z Zellforsch Mikrosk Anat 137:293-312, 23 Feb 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL COUNT/ CELL NUCLEUS/ CELLULAR INCLUSIONS, analysis/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ESTRADIOL/ GOLGI APPARATUS/ *GONADOTROPINS, secretion/ HISTOCYTOCHEMISTRY/ LIPIDS, isolation & purification/ *LIZARDS/ LYSOSOMES/ MALE/ METYRAPONE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion

2980. **Pearson H:** Surgery of the male genital tract in cattle: a review of 121 cases. Vet Rec 91:498-509, 18 Nov 72
ABSCESS, surgery/ ABSCESS, veterinary/ ANIMAL EXPERIMENTS/ BRUCELLOSIS, BOVINE/ CASTRATION, adverse effects/ CATTLE/ *CATTLE DISEASES, surgery/ CRYPTORCHISM, surgery/ CRYPTORCHISM, veterinary/ FIBROMA, surgery/ FIBROMA, veterinary/ *GENITALIA, MALE, surgery/ HEMORRHAGE/ HYPERPLASIA, veterinary/ PENILE DISEASES, surgery/ PENILE DISEASES, veterinary/ PENILE NEOPLASMS, surgery/ PENILE NEOPLASMS, veterinary/ PENIS, injuries/ RUPTURE/ SCROTUM, injuries/ SEMINAL VESICLES, surgery/ URETERAL CALCULI, surgery/ URETERAL CALCULI, veterinary

2981. **Pearson KD, Wells SA, Keiser HR:** Familial medullary carcinoma of the thyroid, adrenal pheochromocytoma and parathyroid hyperplasia. A syndrome of multiple endocrine neoplasia. Radiology 107:249-56, May 73
*ADENOMA, familial & genetic/ ADENOMA, radiography/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, familial & genetic/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ ANGIOGRAPHY/ *CARCINOMA, familial & genetic/ CARCINOMA, radiography/ CHONDROCALCINOSIS, complications/ CHONDROCALCINOSIS, radiography/ FEMALE/ HUMAN/ LUNG NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, familial & genetic/ PARATHYROID NEOPLASMS, radiography/ *PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, radiography/ PHLEBOGRAPHY/ THYROCALCITONIN, blood/ THYROID GLAND, blood supply/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, radiography

2982. **Peck WA, Carpenter J, Messinger K, et al:** Cyclic 3'5'-adenosine monophosphate in isolated bone cells. Response to low concentrations of parathyroid hormone. Endocrinology 92:692-7, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CORTICOTROPIN, pharmacodynamics/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ LYSINE/ NOREPINEPHRINE, pharmacodynamics/ *PARATHYROID HORMONE, pharmacodynamics/ PEPTIDES, pharmacodynamics/ RATS/ SKULL/ THEOPHYLLINE, pharmacodynamics/ THYROCALCITONIN, pharmacodynamics/ TIME FACTORS/ VASOPRESSIN, pharmacodynamics

2983. **Pedernera EA, Lantos CP:** The biosynthesis of adrenal steroids by the 15-day-old chick embryo. Gen Comp Endocrinol 20:331-41, Apr 73
*ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ *CHICK EMBRYO, physiology/ CORTICOSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, biosynthesis/ HYDROXYCORTICOSTEROIDS, biosynthesis/ PREGNANES, biosynthesis/ PROGESTERONE, biosynthesis/ PROGESTERONE, metabolism/ SEX FACTORS/ TRITIUM

2984. **Pegum JS, Ramsay CA:** X-linked epidermolysis bullosa (Mendes da Costa), poikiloderma, retarded growth. Proc R Soc Med 66:234-6, Mar 73
ADOLESCENCE/ *EPIDERMOLYSIS BULLOSA, complications/ ERYTHRODERMA, familial & genetic/ FEMALE/ GROWTH DISORDERS, complications/ HUMAN/ KERATOSIS, familial & genetic/ LINKAGE (GENETICS)/ MALE/ *PIGMENTATION DISORDERS, complications/ SEX CHROMOSOMES/ SKIN TESTS

2985. **Peiker G, Tittel R, Nöschel H, et al:** Plazentapassage von Dolcontral und dessen Einfluss auf das Neugeborene. Zentralbl Gynaekol 95:93-7, 19 Jan 73 (Ger)
ACID-BASE EQUILIBRIUM, drug effects/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ *MATERNAL-FETAL EXCHANGE/ MEPERIDINE, administration & dosage/ MEPERIDINE, blood/ *MEPERIDINE, metabolism/ PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS

2986. **Peirce TH, Weir DG:** Hypertrophic osteoarthropathy associated with a non-metastasising carcinoma of the oesophagus. J Ir Med Assoc 66:160-2, 24 Mar 73
BONE AND BONES, radiography/ *CARCINOMA, EPIDERMOID, complications/ CARCINOMA, EPIDERMOID, pathology/ *ESOPHAGEAL NEOPLASMS, complications/ ESOPHAGEAL NEOPLASMS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC, complications/ OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC, radiography

2987. **Pelczarska AB, Roszkowski AP:** Inhibitors of Forssman guinea pig "anaphylaxis".
J Pharmacol Exp Ther 185:116-26, Apr 73
AMINOPHYLLINE, pharmacodynamics/ *ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ASPIRIN, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARRAGEENAN, pharmacodynamics/ DISODIUM CROMOGLYCATE, pharmacodynamics/ FEMALE/ *FORSSMAN ANTIGEN/ GUINEA PIGS/ HISTAMINE, physiology/ *IMMUNE SERUMS, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ *LUNG, drug effects/ MALE/ PHENYLEPHRINE, pharmacodynamics/ PRESSURE/ RABBITS, immunology/ SEROTONIN, physiology

2988. **Pelkonen O, Jouppila P, Kärki NT:** Attempts to induce drug metabolism in human fetal liver and placenta by the administration of phenobarbital to mothers. Arch Int Pharmacodyn Ther 202:288-97, Apr 73
ADULT/ ALCOHOLISM, metabolism/ ANILINE COMPOUNDS, metabolism/ BENZOATES, metabolism/ BENZOPYRENES, metabolism/ CHLORPROMAZINE, metabolism/ FEMALE/ HUMAN/ *LIVER, drug effects/ LIVER, metabolism/ MATERNAL-FETAL EXCHANGE/ NITRO COMPOUNDS, metabolism/ *PHENOBARBITAL, pharmacodynamics/ *PLACENTA, drug effects/ PLACENTA, metabolism/ PREGNANCY/ REGRESSION ANALYSIS

2989. **Pellegrino ED, Blitz RM:** A historadiographic method for identifying osteoid seams in bone using silver impregnation. Histochemie 35:11-5, 1973
ADOLESCENCE/ ADULT/ *BONE AND BONES, cytology/ CYTOLOGICAL TECHNICS/ HUMAN/ METHODS/ MICRORADIOGRAPHY/ MIDDLE AGE/ *OSTEOGENESIS/ SILVER NITRATE

2990. **Pellegrino de Iraldi A, Suburo AM:** Morphological evidence of a connection between the core of granulated vesicles and their membrane. Neurobiology 2:8-11, 1972
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ MICROSCOPY, ELECTRON/ *PINEAL BODY, cytology/

PINEAL BODY, embryology/ RATS/ *SYNAPTIC MEMBRANES/ *SYNAPTIC VESICLES

2991. **Peñarroja Rabaza J:** Contribución al tratamiento de la úlcera gastroduodenal con la asociación de antihióticos-prednisona. fundamnto de neuestra actuación.
Rev Esp Enferm Apar Dig 39:309-30, 1 Feb 73 (Spa)
ADMINISTRATION, ORAL/ ANTIBIOTICS, administration & dosage/ *ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ *PEPTIC ULCER, drug therapy/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use

2992. **Penick SB, Stunkard AJ:** The treatment of obesity.
Adv Psychosom Med 7:217-28, 1972 (23 ref.)
AMPHETAMINE, therapeutic use/ BEHAVIOR THERAPY/ DEXTRO AMPHETAMINE, therapeutic use/ EXERCISE THERAPY/ GONADOTROPINS, CHORIONIC, therapeutic use/ HOSPITALIZATION/ HUMAN/ METFORMIN, therapeutic use/ OBESITY, drug therapy/ *OBESITY, therapy/ PHENFORMIN, therapeutic use/ PSYCHOTHERAPY, GROUP/ REVIEW/ TRIIODOTHYRONINE, therapeutic use/ VOLUNTARY HEALTH AGENCIES

2993. **Penny R, Olambiwonnu NO, Frasier DS:** Precocious puberty following treatment in a 6-year-old male with congenital adrenal hyperplasia: studies of serum luteinizing hormone (LH), serum follicle stimulating hormone (FSH) and plasma testosterone.
J Clin Endocrinol Metab 36:920-4, May 73
ADRENAL GLAND DISEASES, blood/ *ADRENAL GLAND DISEASES, drug therapy/ CHILD/ *FSH, blood/ HUMAN/ *HYDROCORTISONE, therapeutic use/ HYPERPLASIA/ *LH, blood/ MALE/ *PUBERTY, PRECOCIOUS, etiology/ TESTOSTERONE, blood

2994. **Pento JT, Glick SM, Kagan A:** A calcitonin radioimmunoassay: in vivo evaluation of calcitonin secretion in the pig. Metabolism 22:735-44, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ GUINEA PIGS, immunology/ HUMAN/ IODINE ISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ THYROCALCITONIN, analysis/ THYROCALCITONIN, blood/ *THYROCALCITONIN, secretion

2995. **Péquignot H, Boccon-Gibod L, Jaillon P, et al:** Une hypertension artérielle curable (fibrose rétro-péritonéale) traitée par les corticoïdes.
Ann Med Interne (Paris) 123:975-80, Nov 72 (Fre)
ADULT/ BLOOD SEDIMENTATION/ HUMAN/ HYPERTENSION, etiology/ KIDNEY DISEASES, etiology/ MALE/ METABOLIC CLEARANCE RATE/ *PREDNISONE, therapeutic use/ PROGNOSIS/ RETROPERITONEAL FIBROSIS, complications/ *RETROPERITONEAL FIBROSIS, drug therapy/ UROGRAPHY

2996. **Perdriel G, Vignat JP, Conrad J:** Diagnostic des cataractes tétaniques.
Bull Soc Ophtalmol Fr 72:201-6, Feb 72 (Fre)
CALCIUM, blood/ *CATARACT, diagnosis/ CATARACT, etiology/ ELECTROMYOGRAPHY/ HUMAN/ PHOSPHORUS, blood/ *TETANY, complications

2997. **Perec CJ, Terradas SE, Bazerque PM:** Calcium in salivary glands of the rat after duct ligation.
Acta Physiol Lat Am 22:241-5, 1972
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ FEMALE/ LIGATION/ ORGAN WEIGHT/ RATS/ SALIVA, secretion/ *SUBLINGUAL GLAND, metabolism/ SUBLINGUAL GLAND, secretion/ *SUBMANDIBULAR GLAND, metabolism/ SUBMANDIBULAR GLAND, secretion/ TIME FACTORS

2998. **Perkins JP, Moore MM:** Characterization of the adrenergic receptors mediating a rise in cyclic 3'-5'-adenosine monophosphate in rat cerebral cortex.
J Pharmacol Exp Ther 185:371-8, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CARBON ISOTOPES/ CATECHOLAMINES, pharmacodynamics/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ IN VITRO/ ISOPROTERENOL, metabolism/ ISOPROTERENOL, pharmacodynamics/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ TIME FACTORS/ TRITIUM

2999. **Pernod J, Fromantin M:** Les cardiothyréoses.
Cah Med 13:1227-33, 30 Dec 72 (Fre)
ARRHYTHMIA, etiology/ CARDIAC OUTPUT/ *CARDIOVASCULAR DISEASES, etiology/ CARDIOVASCULAR DISEASES, physiopathology/ CARDIOVASCULAR DISEASES, therapy/ CORONARY DISEASE, etiology/ HEART FAILURE, CONGESTIVE, etiology/ HEART FUNCTION TESTS/ HEMODYNAMICS/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, therapy

3000. **Perper RJ, Sanda M, Lichtenstein LM:** The relationship of in vitro and in vivo allergic histamine release: inhibition in primates by cAMP active agents.
Int Arch Allergy Appl Immunol 43:837-44, 1972
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALLERGENS/ ANIMAL EXPERIMENTS/ ASCARIS/ CATECHOLAMINES, pharmacodynamics/ CYPROHEPTADINE, pharmacodynamics/ *HISTAMINE LIBERATION, drug effects/ MACACA/ MONKEYS/ SKIN TESTS/ THEOPHYLLINE, pharmacodynamics

3001. **Perrault M, Dry J:** La thérapeutique en 1972.
Rev Prat 22:4573-95, 21 Dec 72 (Fre)
ASTHMA/ CALCIUM METABOLISM DISORDERS, drug therapy/ CALCIUM METABOLISM DISORDERS, physiopathology/ CHALONES/ DISODIUM CROMOGLYCATE/ EMULSIONS/ GLYCOSIDE HYDROLASES/ HYPERCALCEMIA/ HYPERSENSITIVITY/ INSULIN, pharmacodynamics/ LACTOSE INTOLERANCE, physiopathology/ LACTOSE INTOLERANCE, therapy/ LIPIDS/ LITHIUM/ PARENTERAL FEEDING/ PEPTIC ULCER/ PHEROMONES/ PHOSPHATES, therapeutic use/ SEX BEHAVIOR/ SPECIAL LIST FOREIGN/ THERAPEUTICS/ VITAMIN D, pharmacodynamics

3002. **Perrault M, Dry J:** Actualité des hydantoïnes.
Rev Prat 22:4641-7, 21 Dec 72 (Fre)
ARRHYTHMIA, drug therapy/ CARBOHYDRATES, metabolism/ CENTRAL NERVOUS SYSTEM/ DIABETIC NEUROPATHIES, drug therapy/ DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, metabolism/ DIPHENYLHYDANTOIN, pharmacodynamics/ DIPHENYLHYDANTOIN, therapeutic use/ EPILEPSY, drug therapy/ FOLIC ACID, metabolism/ FOLIC ACID DEFICIENCY, chemically induced/ HYPOGLYCEMIA, drug therapy/ INSULIN, secretion/ OBESITY, drug therapy/ OSTEOMALACIA, chemically induced/ RNA, metabolism/ SPECIAL LIST FOREIGN

3003. **Perretti F:** Il ruolo e l'importanza delle prostaglandine nella fisiologia ostetrica e ginecologica.
Minerva Ginecol 25:140-5, Mar 73 (Ita)
ABORTION, etiology/ AMNIOTIC FLUID, physiology/ ENGLISH ABSTRACT/ FEMALE/ FERTILIZATION/ HUMAN/ LABOR, drug effects/ MALE/ MENOPAUSE/ PREGNANCY/

PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ SPERMATOZOA, physiology/ *UTERUS, physiology

3004. **Perry TB, Patrick JE:** Error in prenatal sex determination. Lancet 1:371, 17 Feb 73
DIAGNOSTIC ERRORS/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ METHODS/ PREGNANCY/ PREGNANCY, MULTIPLE/ *PRENATAL DIAGNOSIS/ *SEX DETERMINATION/ TWINS

3005. **Perzigian AJ:** The antiquity of age-associated bone demineralization in man.
J Am Geriatr Soc 21:100-5, Mar 73
ADULT/ AGE DETERMINATION BY SKELETON/ AGE FACTORS/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HUMAN/ *INDIANS, NORTH AMERICAN/ IODINE ISOTOPES, DIAGNOSTIC/ KENTUCKY/ MALE/ MIDDLE AGE/ MINERALS, analysis/ *OSTEOPOROSIS, history/ OSTEOPOROSIS, pathology/ *PALEOPATHOLOGY/ RADIOISOTOPE SCANNING/ RADIUS, analysis/ RADIUS, pathology/ RADIUS, radiography/ SEX FACTORS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

3006. **Petersen HS:** Erythroleukaemia in a melphalan-treated patient with primary macroglobulinaemia.
Scand J Haematol 10:5-11, 1973
AGED/ ANDROGENS, therapeutic use/ AUTOPSY/ BLOOD CELL COUNT/ BONE MARROW CELLS/ *ERYTHROLEUKEMIA, chemically induced/ HUMAN/ *MACROGLOBULINEMIA, drug therapy/ MACROGLOBULINEMIA, pathology/ MALE/ *MELPHALAN, adverse effects

3007. **Peterson DF, Brown AM:** Functional afferent innervation of testis. J Neurophysiol 36:425-33, May 73
ANIMAL EXPERIMENTS/ CATS/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ MECHANORECEPTORS, physiology/ NEURAL CONDUCTION/ NEURONS, AFFERENT, physiology/ PAIN/ *PERIPHERAL NERVES, physiology/ SPERMATIC CORD, innervation/ SPINAL NERVES, physiology/ TESTIS, injuries/ *TESTIS, innervation

3008. **Peterson WD Jr, Simpson WF, Ecklund PS, et al:** Diploid and heteroploid human cell lines surveyed for Y chromosome fluorescence.
Nature [New Biol] 242:22-4, 7 Mar 73
CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES/ CLONE CELLS/ *DIPLOIDY/ FEMALE/ FLUORESCENCE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HUMAN/ KARYOTYPING/ MALE/ *POLYPLOIDY/ QUINACRINE/ *SEX CHROMOSOMES/ SEX CHROMOSOMES, enzymology/ SEX FACTORS/ STAINS AND STAINING/ SV40 VIRUS

3009. **Petrak ML:** Digestive system disturbances in cage birds. Vet Clin N Amer 3:187-97, May 73
ABSCESS, veterinary/ ADENOCARCINOMA, veterinary/ ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, veterinary/ BEAK/ *BIRD DISEASES/ BURNS, CHEMICAL, veterinary/ CANARIES/ CONSTIPATION, veterinary/ CROP, AVIAN/ DIARRHEA, veterinary/ ESOPHAGEAL DISEASES, veterinary/ FEMALE/ FIBROSARCOMA, veterinary/ FOREIGN BODIES, veterinary/ LEAD POISONING, veterinary/ MALE/ MANDIBULAR DISEASES, veterinary/ MANDIBULAR NEOPLASMS, veterinary/ MOUTH DISEASES, veterinary/ MOUTH NEOPLASMS, veterinary/ PSITTACINES/ THYROID DISEASES, veterinary/ VIRUS DISEASES, veterinary

3010. **Petrova NI, Botsiurko VI:** Pozdniaia diagnostika sindroma Shikhana. Vrach Delo 11:54-5, Nov 72 **(Rus)**
CASE REPORT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, diagnosis/ MIDDLE AGE/ PREGNANCY/ *PUERPERAL DISORDERS, diagnosis/ SHEEHAN'S SYNDROME, diagnosis

3011. **Petrovský E, Babák A:** Lytické působení některých tekutin pohlavního traktu skotu a prasat na erytrocyty slepic.
Vet Med (Praha) 18:53-62, Jan 73 **(Cze)**
ANIMAL EXPERIMENTS/ *BODY FLUIDS, metabolism/ CATTLE/ ENGLISH ABSTRACT/ EPIDIDYMIS/ *ERYTHROCYTES/ FEMALE/ GRAAFIAN FOLLICLE/ *HEMOLYSIS/ MALE/ POULTRY/ SEMINAL VESICLES/ SWINE/ *UROGENITAL SYSTEM

3012. **Petrusz P, Uhlarik A:** Light microscopic localization of binding sites for human chorionic gonadotrophin in luteinized rat ovaries by a peroxidase-labeled antibody method.
J Histochem Cytochem 21:279-82, Mar 73
ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ FEMALE/ GAMMA GLOBULIN/ *GONADOTROPINS, CHORIONIC, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNOCHEMISTRY/ METHODS/ *OVARY, analysis/ *PEROXIDASES/ RABBITS, immunology/ RATS/ SHEEP, immunology/ STAINS AND STAINING

3013. **Petryniak J, Lisowski J:** Purification and properties of nucleases from pig pituitary gland.
Acta Biochim Pol 20:3-14, 1973
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ *DEOXYRIBONUCLEASE/ DEOXYRIBONUCLEASE, antagonists & inhibitors/ DEOXYRIBONUCLEASE, isolation & purification/ DRUG STABILITY/ ENZYME ACTIVATION/ HEAT/ ISOELECTRIC FOCUSING/ PHOSPHODIESTERASES/ *PITUITARY GLAND, enzymology/ *RIBONUCLEASE/ RIBONUCLEASE, antagonists & inhibitors/ RIBONUCLEASE, isolation & purification/ SWINE

3014. **Pettersson F, Melander S, Lagerberg D:** Perinatal mortality. Acta Paediatr Scand 62:221-30, May 7
ABNORMALITIES/ ABORTION/ ADULT/ AGE FACTORS/ BIRTH WEIGHT/ BLOOD GROUP INCOMPATIBILITY/ DELIVERY/ ECLAMPSIA FEMALE/ *FETAL DEATH/ HUMAN/ *INFANT MORTALITY/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ PLACENTA DISORDERS/ PLACENTA PRAEVIA/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY TOXEMIAS/ REGRESSION ANALYSIS/ SMOKING

3015. **Pettigrew AR, Fell GS:** Microdiffusion method for estimation of cyanide in whole blood and its application to the study of conversion of cyanide to thiocyanate. Clin Chem 19:466-71, May 73
AMBLYOPIA, etiology/ ANIMAL EXPERIMENTS/ COLORIMETRY/ *CYANIDES blood/ CYANIDES, pharmacodynamics/ DIFFUSION/ DRUG STABILITY/ HUMAN/ MICROCHEMISTRY/ RATS/ SMOKING, complications/ *THIOCYANATES, blood/ TIME FACTORS/ VITAMIN B 12 DEFICIENCY, blood

3016. **Petty TL, Hudson LD, Neff TA:** Methods of ambulatory care. Med Clin North Am 57:751-62, May 73 (25 ref)
AGED/ *AMBULATORY CARE/ AMPICILLIN, therapeutic use/ *BRONCHITIS, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CARDIAC GLYCOSIDES, therapeutic use/ CHLORAMPHENICOL, therapeutic use/ DIURETICS, therapeutic use/ EPHEDRINE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ OXYGEN INHALATION THERAPY/ PATIENTS, education/ PREDNISONE, therapeutic use/ *PULMONARY EMPHYSEMA/ therapy/ REVIEW/ SPIROMETRY/ TETRACYCLINE, therapeutic use/ XANTHINES, therapeutic use

3017. **Peuler JD, Passon PG:** An automated assay for bra

serotonin. Anal Biochem 52:574-83, Apr 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS/ BIOGENIC AMINES, analysis/ BRAIN, metabolism/ *BRAIN CHEMISTRY/ FLUORESCENCE SPECTROMETRY, instrumentation/ MALE/ METHODS/ PARGYLINE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ *SEROTONIN, analysis/ SEROTONIN, metabolism/ TEMPERATURE

3018. **Peute J**: Ultrastructural aspects of the nucleus infundibularis dorsalis in the caudal hypothalamus of Xenopus laevis.
Z Zellforsch Mikrosk Anat 137:513-20, 7 Mar 73
BRAIN, cytology/ CATECHOLAMINES, analysis/ CELLULAR INCLUSIONS/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, cytology/ MALE/ MICROSCOPY, ELECTRON/ NEURONS/ NEURONS, analysis/ *XENOPUS, anatomy & histology

3019. **Pevzner MS, Selishcheva RF**: Klinicheskaia kharakteristika intellektual'nol nedostatochnosti pri vrozhdennom gipotireoze u detel.
Zh Nevropatol Psikhiatr 72:1399-403, 1972 (Rus)
ADOLESCENCE/ BRAIN, physiopathology/ CHILD/ CHILD, PRESCHOOL/ COGNITION/ ELECTROENCEPHALOGRAPHY/ EMOTIONS/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, physiopathology/ MENTAL PROCESSES/ *MENTAL RETARDATION, diagnosis/ MENTAL RETARDATION, etiology

3020. **Peytremann A, Nicholson WE, Hardman JG, et al**: Effect of adrenocorticotropic hormone on extracellular adenosine 3',5'-monophosphate in the hypophysectomized rat.
Endocrinology 92:1502-6, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ *CORTICOTROPIN, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, physiology/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ VEINS

3021. **Peytremann A, Nicholson WE, Brown RD, et al**: Comparative effects of angiotensin and ACTH on cyclic AMP and steroidogenesis in isolated bovine adrenal cells. J Clin Invest 52:835-42, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANGIOTENSIN, administration & dosage/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ IN VITRO/ PHOSPHODIESTERASES, antagonists & inhibitors/ TIME FACTORS/ TRITIUM

3022. **Pfändler U, Kälin A**: L'effet sélectif de l'avortement thérapeutique, lorsque les enfants ainsi éliminés sont atteints d'une tare récessive autosomique ou liée au chromosome.
J Genet Hum 20:135-50, Jun 72 (Fre)
*ABORTION, THERAPEUTIC/ *AUTOSOME ABNORMALITIES/ ENGLISH ABSTRACT/ EUGENICS/ FEMALE/ GENE FREQUENCY/ GENES, RECESSIVE/ GENETIC COUNSELING/ GENOTYPE/ HUMAN/ MALE/ PEDIGREE/ PRENATAL DIAGNOSIS/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOMES/ SEX FACTORS/ TIME FACTORS

3023. **Pfannenstiel P, Pixberg HU**: Erweiterte 131 J-Diagnostik von Störungen im Schilddrüsenreglerkreis durch Belastung mit TR.
Munch Med Wochenschr 115:495-7, 23 Mar 73 (Ger)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHALAMUS/ HYPOTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PITUITARY DISEASES, diagnosis/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN RELEASING FACTOR, diagnostic use

3024. **Pfeiffer RA, Bachmann KD**: An atypical case of Cockayne's syndrome. Clin Genet 4:28-32, 1973
*ABNORMALITIES, MULTIPLE/ CACHEXIA/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 6-12/ *DWARFISM/ HUMAN/ INFANT/ MALE/ SYNDROME/ *TRISOMY

3025. **Philip AG, Larson EJ**: Overwhelming neonatal infection with ECHO 19 virus.
J Pediatr 82:391-7, Mar 73
ABSCESS, etiology/ ABSCESS, pathology/ ADRENAL CORTEX HORMONES, pathology/ ADRENAL GLAND DISEASES, etiology/ ADRENAL GLAND DISEASES, pathology/ *ECHO VIRUS INFECTIONS/ ECHO VIRUS INFECTIONS, complications/ ECHO VIRUS INFECTIONS, mortality/ ECHO VIRUSES, isolation & purification/ FEMALE/ HEMORRHAGE, etiology/ HEMORRHAGE, pathology/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INFANT, NEWBORN, DISEASES, complications/ INFANT, NEWBORN, DISEASES, mortality/ LIVER DISEASES, etiology/ LIVER DISEASES, pathology/ MALE/ MATERNAL-FETAL EXCHANGE/ NECROSIS/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS

3026. **Phillips AP**: The improvement of specificity in radioimmunoassays.
Clin Chim Acta 44:333-40, 30 Mar 73
ADSORPTION/ ANDROSTENES/ ANTIGEN-ANTIBODY COMPLEX/ CARDANOLIDES/ DIGITOXIN/ *DIGOXIN, blood/ IMMUNE SERUMS/ KETOSTEROIDS/ KINETICS/ METHODS/ PREDNISOLONE/ PREDNISONE/ RADIOIMMUNOASSAY/ SPIRONOLACTONE/ TRITIUM

3027. **Phillips DR, Morrison M**: Changes in accessibility of plasma membrane protein as the result of tryptic hydrolysis. Nature [New Biol] 242:213-5, 18 Apr 73
*BINDING SITES, drug effects/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ *ERYTHROCYTES, drug effects/ ERYTHROCYTES, metabolism/ *GLYCOPROTEINS, metabolism/ HUMAN/ HYDROLYSIS/ IODINE, metabolism/ PEPTIDES, metabolism/ PEROXIDASES/ *TRYPSIN, pharmacodynamics

3028. **Phillips LL**: Effect of prostaglandins on the coagulation mechanism of the pregnant rat.
Am J Obstet Gynecol 115:227-32, 15 Jan 73
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ *BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, drug effects/ FEMALE/ FIBRINOGEN, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ PROTHROMBIN TIME/ RATS/ THROMBOPLASTIN, analysis

3029. **Phillips ME, Coxon RV**: The relative constancy of the glycogen content of guinea pig brain.
J Neurochem 20:1295-7, Apr 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ FASTING/ FEMALE/ GLUCOSE, pharmacodynamics/ GLYCOGEN, analysis/ *GLYCOGEN, metabolism/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/

INSULIN, pharmacodynamics/ LITHIUM, pharmacodynamics/ MALE/ METHIONINE SULFOXIMINE, pharmacodynamics/ MICE/ PHENOBARBITAL, pharmacodynamics/ RATS

3030. **Phillips N, Duffy T:** One-hour glucose tolerance in relation to the use of contraceptive drugs.
Am J Obstet Gynecol 116:91-100, 1 May 73
ADULT/ AGE FACTORS/ *BLOOD SUGAR, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DIABETES MELLITUS, metabolism/ DIMETHISTERONE, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MEDROXYPROGESTERONE, pharmacodynamics/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ NORGESTREL, pharmacodynamics/ OBESITY, metabolism/ TIME FACTORS

3031. **Phillips RF:** Cyclophosphamide and the pubertal testis.
Lancet 1:371, 17 Feb 73
ABORTION, THERAPEUTIC/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MECHLORETHAMINE, pharmacodynamics/ MECHLORETHAMINE, therapeutic use/ METHOTREXATE, pharmacodynamics/ *METHOTREXATE, therapeutic use/ *NEUROBLASTOMA, drug therapy/ OVARY, drug effects/ OVARY, radiation effects/ *PELVIC NEOPLASMS, drug therapy/ PREGNANCY/ RADIATION EFFECTS

3032. **Phillips SF, Gillet J:** The contribution of the colon to electrolyte and water conservation in man.
J Lab Clin Med 81:733-46, May 73
ADULT/ *CALCIUM, metabolism/ *CHLORIDES, metabolism/ CHROMIUM ISOTOPES/ *COLON, metabolism/ DIARRHEA, metabolism/ FECES, analysis/ FEMALE/ GLYCOLS, diagnostic use/ HUMAN/ ILEUM, metabolism/ INTESTINAL ABSORPTION/ *MAGNESIUM, metabolism/ MALE/ MIDDLE AGE/ POLYMERS/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ SPRUE, metabolism/ WATER, metabolism/ *WATER-ELECTROLYTE BALANCE

3033. **Piatak DM, Ekundayo O:** Steroid modifications. II. The effect of ruthenium tetroxide on several aromatic steroids. Steroids 21:475-81, Mar 73
ALCOHOL, PROPYL/ CHEMISTRY/ OXIDATION-REDUCTION/ OXIDES/ PERIODIC ACIDS/ *RUTHENIUM/ *STEROIDS/ TIME FACTORS

3034. **Pichon MF, Milgrom E:** Competitive protein binding assay of progesterone without chromatography.
Steroids 21:335-46, Mar 73
ADSORPTION/ AGE FACTORS/ BINDING, COMPETITIVE/ BLOOD PROTEINS/ BUFFERS/ CELLULOSE/ CHARCOAL/ FEMALE/ HUMAN/ MENSTRUATION/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ *PROTEIN BINDING/ SEX FACTORS/ SOLVENTS/ TIME FACTORS/ TRITIUM

3035. **Piddington R:** Glutamine synthetase in the avian diencephalon. J Exp Zool 184:167-76, May 73
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ CHICKENS/ DIENCEPHALON, anatomy & histology/ DIENCEPHALON, drug effects/ DIENCEPHALON, embryology/ *DIENCEPHALON, enzymology/ FREEZE DRYING/ *GLUTAMINE SYNTHETASE, analysis/ HYDROCORTISONE, pharmacodynamics/ TISSUE CULTURE

3036. **Pieau C:** Variation de l'activité enzymatique 5-3 -hydroxystéroïde déshydrogénasique dans les glandes génitales d'embryons d'Emys orbicularis L. (chélonien), en fonction de la température d'incubation.
C R Acad Sci [D] (Paris) 276:197-200, 8 Jan 73 (Fre)
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ DEHYDROEPIANDROSTERONE/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ MALE/ OVARY, embryology/ *OVARY, enzymology/ TEMPERATURE/ TESTIS, embryology/ *TESTIS, enzymology/ *TURTLES, embryology

3037. **Pierpaoli W, Sorkin E:** A thymus dependent function of the adrenal cortex and its relation to immunity.
Experientia 28:851-2, 15 Jul 72
ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, growth & development/ *ADRENAL GLANDS, immunology/ ADRENAL GLANDS, transplantation/ ANIMAL EXPERIMENTS/ *IMMUNITY, CELLULAR/ MICE/ THYMECTOMY/ *THYMUS GLAND, immunology/ THYMUS GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3038. **Pierre RV, Hoagland HC:** The missing Y chromosome and human leukaemia. Lancet 1:1008-9, 5 May 73
ACUTE DISEASE/ AGING/ *CHROMOSOME ABERRATIONS/ HUMAN/ *LEUKEMIA, familial & genetic/ MALE/ *SEX CHROMOSOMES

3039. **Pilch BZ, Kahn CR, Ketcham AS, et al:** Thyroid cancer after radioactive iodine diagnostic procedures in childhood. Pediatrics 51:898-902, May 73
*ADENOCARCINOMA, etiology/ ADENOMA, pathology/ ADULT/ *CARCINOMA, PAPILLARY, etiology/ FEMALE/ IODINE ISOTOPES, DIAGNOSTIC, administration & dosage/ *IODINE ISOTOPES, DIAGNOSTIC, adverse effects/ NEOPLASM METASTASIS/ *NEOPLASMS, RADIATION-INDUCED/ RADIATION EFFECTS/ THYROID GLAND, radiation effects/ THYROID NEOPLASMS, etiology/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology

3040. **Pipes PL, Holm VA:** Weight control of children with Prader-Willi syndrome.
J Am Diet Assoc 62:520-4, May 73
*ABNORMALITIES, MULTIPLE, complications/ BODY WEIGHT/ CHILD, PRESCHOOL/ *DIET, REDUCING/ FOOD HABITS/ HUMAN/ *HYPOGONADISM, complications/ MALE/ *MENTAL RETARDATION, complications/ OBESITY, complications/ *OBESITY, therapy

3041. **Pitesky I:** Corticosteroid aerosols in asthma.
Lancet 1:1003-4, 5 May 73
AEROSOLS/ ANIMAL EXPERIMENTS/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, administration & dosage/ *BRONCHODILATOR AGENTS, adverse effects/ BRONCHODILATOR AGENTS, therapeutic use/ DEATH, SUDDEN/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN

3042. **Plachecka-Gutowska M, Kopeć M:** Patogeneza amyloidozy w świetle zaburzeń procesów odpornościowych.
Reumatologia 11:83-9, Jan 73 (47 ref.) (Pol)
ADRENAL CORTEX HORMONES, adverse effects/ AGE FACTORS/ AGED/ AMYLOIDOSIS, etiology/ *AMYLOIDOSIS, immunology/ ANTIBODY PRODUCING CELLS/ ANTIGEN-ANTIBODY REACTIONS/ ANTILYMPHOCYTE SERUM, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ APPENDECTOMY, adverse effects/ HUMAN/ IMMUNE COMPLEX DISEASE/ IMMUNE TOLERANCE/ IMMUNITY, CELLULAR/ MIDDLE AGE/ REVIEW/ SPLENECTOMY, adverse effects/ THYMECTOMY, adverse effects

3043. **Plata EJ, Aoki T, Robertson DD, et al:** An established cultured cell line (HBr-39) from human breast carcinoma. J Natl Cancer Inst 50:849-62, Apr 73
ADULT/ ALDOSTERONE, pharmacodynamics/ *BREAST NEOPLASMS/ BREAST NEOPLASMS, enzymology/ BREAST NEOPLASMS, microbiology/ *CARCINOMA, DUCTAL/ CARCINOMA, DUCTAL,

enzymology/ CARCINOMA, DUCTAL, microbiology/ CELL DIVISION/ *CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CORTISONE, pharmacodynamics/ CULTURE MEDIA/ EPITHELIAL CELLS/ ESTRADIOL, pharmacodynamics/ FEMALE/ FIBROBLASTS/ HUMAN/ INSULIN, pharmacodynamics/ KARYOTYPING/ MICROSCOPY, ELECTRON/ ONCOGENIC VIRUSES, isolation & purification/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ REVERSE TRANSCRIPTASE, metabolism/ SOMATOTROPIN, pharmacodynamics/ VIRUS REPLICATION

3044. **Piekhova EI:** Zv'iazok mizb funktsiielu statevoi systemy i vmistom serotoninu v hipotalamusi.
Fiziol Zh 18:834-6, Nov-Dec 72 (Ukr)
ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ FEMALE/ GONADOTROPINS, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ OVARY, analysis/ RATS/ *SEROTONIN, analysis

3045. **Plieva ShA:** Metabolizm kortizola pri infarkte miokarda i nekotorykh ego oslozhneniiakh.
Vrach Delo 11:18-22, Nov 72 (Rus)
AGED/ *ARRHYTHMIA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, metabolism/ *SHOCK, CARDIOGENIC, metabolism

3046. **Plourde R, Hafez-Zedan H:** Distribution of steroid 1-dehydrogenation and side-chain degradation enzymes in the spores of Fusarium solani: causes of metabolic lag and carbohydrate independence.
Appl Microbiol 25:650-8, Apr 73
ACETONE, pharmacodynamics/ ALCOHOLS, pharmacodynamics/ ANDROSTENES, metabolism/ BENZENE DERIVATIVES, pharmacodynamics/ BIOTRANSFORMATION/ CELL MEMBRANE, enzymology/ CELL WALL, drug effects/ CHLOROFORM, pharmacodynamics/ FUSARIUM, drug effects/ *FUSARIUM, enzymology/ FUSARIUM, growth & development/ FUSARIUM, metabolism/ HYDROCHLORIC ACID, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYDROXYPROGESTERONE, metabolism/ NYSTATIN, metabolism/ NYSTATIN, pharmacodynamics/ *OXIDOREDUCTASES, isolation & purification/ OXIDOREDUCTASES, metabolism/ *SPORES, enzymology/ SPORES, FUNGAL, drug effects/ SPORES, FUNGAL, enzymology/ SPORES, FUNGAL, growth & development/ SPORES, FUNGAL, metabolism/ TIME FACTORS

3047. **Plowman MM, Lynn WG:** The role of the thyroid in testicular function in the gecko, Coleonyx variegatus.
Gen Comp Endocrinol 20:342-6, Apr 73
ANIMAL EXPERIMENTS/ *LIZARDS, physiology/ MALE/ SPERMATOGENESIS, drug effects/ *TESTIS, physiology/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ THYROXINE, physiology

3048. **Podleski WK, Podleski UG:** Circulating sensitized lymphocytes in systemic lupus erythematosus.
Nature 241:278-9, 26 Jan 73
*ANTINUCLEAR FACTORS, analysis/ BLOOD GROUPS/ CHROMIUM ISOTOPES/ COMPLEMENT FIXATION TESTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *DNA/ ERYTHROCYTES, immunology/ FEMALE/ HEMAGGLUTINATION TESTS/ HUMAN/ IMMUNE SERUMS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ *LYMPHOCYTES, immunology/ RABBITS, immunology/ SARCOMA, MAST CELL, immunology/ THYROGLOBULIN/ THYROID GLAND, immunology/ TUBERCULIN

3049. **Podoba J:** Etiologické faktory endemickej strumy a problémy jej prevencie na Slovensku.
Bratisl Lek Listy 59:385-96, Apr 73 (Slo)
ADOLESCENCE/ ADULT/ AGED/ ALTITUDE/ CHILD/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ EPIDEMIOLOGIC METHODS/ FEMALE/ *GOITER, ENDEMIC/ GOITER, ENDEMIC, etiology/ GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ NUTRITION DISORDERS, complications/ SEASONS

3050. **Podos SM, Becker B, Kass MA:** Indomethacin blocks arachidonic acid-induced elevation of intraocular pressure.
Prostaglandins 3:7-16, Jan 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, administration & dosage/ ARACHIDONIC ACID, metabolism/ ARACHIDONIC ACID, pharmacodynamics/ DRUG INTERACTIONS/ EYE, drug effects/ EYE, metabolism/ INDOMETHACIN, pharmacodynamics/ INTRAOCULAR PRESSURE, drug effects/ MACACA/ MALE/ MONKEYS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SPECIAL LIST REPRODUCTION

3051. **(Podvysotskii VV), Kapronczay K, Szemkeö E:** Vladimir Valerjanovics Podviszockij (1857-1913.
Orv Hetil 114:814-5, 8 Apr 73 (Hun)
ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ PATHOLOGY, history/ RUSSIA (PRE-1917)

3052. **Poenaru L, Dreyfus JC:** Electrophoretic heterogeneity of human -mannosidase.
Biochim Biophys Acta 303:171-4, 23 Mar 73
BRAIN, enzymology/ CELLS, CULTURED/ ELECTROPHORESIS/ FEMALE/ FIBROBLASTS, enzymology/ *HEXOSAMINIDASES, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES/ KIDNEY, enzymology/ LIVER, enzymology/ MANNOSE/ ORGAN SPECIFICITY/ PLACENTA, enzymology/ PREGNANCY/ SKIN, cytology/ SKIN, enzymology

3053. **Poggiitsch H:** Die neurale Regulation der renalen Hämodynamik, Wasser- und natriumausscbeidung.
Wien Med Wochenschr 123:Suppl 3:2-16, 1973 (302 ref.) (Ger)
AUTONOMIC NERVOUS SYSTEM, physiology/ BODY FLUIDS, metabolism/ BODY WATER, metabolism/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ GLOMERULAR FILTRATION RATE/ *HEMODYNAMICS/ HUMAN/ KIDNEY, anatomy & histology/ KIDNEY, blood supply/ *KIDNEY, blood supply/ KIDNEY, innervation/ KIDNEY, physiology/ NATRIURESIS/ REGIONAL BLOOD FLOW/ RENIN, metabolism/ REVIEW/ *SODIUM, metabolism/ URINE/ *WATER, metabolism

3054. **Poggiitsch H, Schabasi H:** Erfahrungen mit einem Hexacalcium-hexanatrium-heptacitrathydrat- . Komplex (Acetolyt) bei der Behandlung nephrogener metabolischer Acidosen.
Med Klin 68:206-11, 16 Feb 73 (Ger)
ACID-BASE EQUILIBRIUM/ ACIDOSIS, RENAL TUBULAR, blood/ *ACIDOSIS, RENAL TUBULAR, drug therapy/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ *ANTACIDS, administration & dosage/ CALCIUM, administration & dosage/ CALCIUM, blood/ *CITRATES, administration & dosage/ CREATININE, blood/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ SODIUM, administration & dosage/ VITAMIN D, administration & dosage

3055. **Pohanka DG, Smiciklas-Wright H, Pike RL:** 5 -3 -Hydroxysteroid dehydrogenase activity in the adrenal cortex of the sodium-restricted pregnant rat.

Proc Soc Exp Biol Med 142:1092-6, Apr 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ *DIET, SALT-FREE/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID DEHYDROGENASE, analysis/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PREGNANCY/ RATS

3056. **Poisner AM:** Direct stimulant effect of aminophylline on catecholamine release from the adrenal medulla.
Biochem Pharmacol 22:469-76, 15 Feb 73
ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, secretion/ AMINOPHYLLINE, administration & dosage/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ *CATECHOLAMINES, secretion/ CATTLE/ DIBUCAINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ETHYLENEDIAMINES, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ NICOTINE, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ TIME FACTORS

3057. **Pokrovskaia SV:** Vplyv ekstyrpatsii tymusa na funktsiiu kory nadnyrkovykh zaloz.
Fiziol Zh 19:200-4, Mar-Apr 73 (Ukr)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FORMALDEHYDE, pharmacodynamics/ GUINEA PIGS/ HYDROCORTISONE, blood/ 17-KETOSTEROIDS, urine/ MALE/ THYMECTOMY/ *THYMUS GLAND, physiology

3058. **Polack FM:** Lymphocyte destruction during corneal homograft reaction. A scanning electron microscopic study.
Arch Ophthalmol 89:413-6, May 73
ANIMAL EXPERIMENTS/ *CORNEA, transplantation/ DEXAMETHASONE, pharmacodynamics/ ENDOTHELIUM, pathology/ EPITHELIAL CELLS/ *GRAFT REJECTION/ LEUKOCYTES/ *LYMPHOCYTES/ MICROSCOPY, ELECTRON, SCANNING/ RABBITS/ REGENERATION/ TRANSPLANTATION, HOMOLOGOUS

3059. **Poláčková M, Pěknicová J, Vojtíšková M:** Effect of neonatal orchiectomy on the expression of histocompatibility antigens.
Folia Biol (Krakow) 21:13-8, 1973
AGE FACTORS/ *ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIGENIC DETERMINANTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *HISTOCOMPATIBILITY ANTIGENS/ MALE/ MICE/ MICE, INBRED C57BL/ SKIN, transplantation/ TESTIS, surgery/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3060. **Poland A, Kappas A:** Chlorcyclizine N-demethylase activity in chick embryo hepatic cell culture.
Biochem Pharmacol 22:749-58, 15 Mar 73
ACETAMIDES, pharmacodynamics/ ACETYLATION/ AMINOLEVULINIC ACID SYNTHETASE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ CHLORCYCLIZINE/ CYTOCHROME P-450, metabolism/ DACTINOMYCIN, pharmacodynamics/ ENDOPLASMIC RETICULUM, drug effects/ ENZYME INDUCTION/ ESTRADIOL, pharmacodynamics/ ETIOCHOLANOLONE, pharmacodynamics/ GESTATIONAL AGE/ KETOSTEROIDS, pharmacodynamics/ *LIVER, enzymology/ MICROSOMES, LIVER, enzymology/ *OXIDOREDUCTASES, N-DEMETHYLATING, metabolism/ PHENOBARBITAL, pharmacodynamics/ PROTEINS, metabolism/ TESTOSTERONE, pharmacodynamics/ TRITIUM

3061. **Poland MK:** Treatment of the diseases of the dermis.
Arch Belg Dermatol Syphiligr 28:59-73, Jan-Mar 72
*ADRENAL CORTEX HORMONES, therapeutic use/ *AZATHIOPRINE, therapeutic use/ DERMATOMYOSITIS, drug therapy/ DRUG SYNERGISM/ HUMAN/ LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ *MELPHALAN, therapeutic use/ *METHOTREXATE, therapeutic use/ MYXEDEMA, drug therapy/ SCLERODERMA, CIRCUMSCRIBED, drug therapy/ SCLERODERMA, SYSTEMIC, drug therapy/ *SKIN DISEASES, drug therapy

3062. **Polikarpova LI:** Vliianie insulina na aktivnost' aspartalanin-transaminaz v izolirovannoĭ pecheni normal'nykh krys i krys s alloksanovym diabetom. Effekt kastratsii.
Probl Endokrinol (Mosk) 19:55-7, Jan-Feb 73 (Rus)
*ALANINE AMINOTRANSFERASE, metabolism/ *ALLOXAN DIABETES, enzymology/ ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ *CASTRATION/ ENGLISH ABSTRACT/ IN VITRO/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS

3063. **Polishuk WZ, Diamant YZ:** Leukocyte alkaline phosphatase monitoring of ovarian function in normal and clomiphene-treated cycles.
Fertil Steril 24:245-51, Apr 73
*ALKALINE PHOSPHATASE, analysis/ BODY TEMPERATURE/ CERVIX MUCUS, analysis/ *CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ *LEUKOCYTES, enzymology/ LH, blood/ *MENSTRUATION/ *OVULATION/ RADIOIMMUNOASSAY

3064. **Polukhov SM, Ponomarev AF:** Mineralokortikoidnaia funktsiia nadpochechnikov vo vremia operatsii v zavisimosti ot obezbolivaniia.
Klin Khir 10:63-5, Oct 72 (Rus)
ADULT/ AGED/ *ALDOSTERONE, urine/ *ANESTHESIA, GENERAL/ COMPARATIVE STUDY/ *ETHYL ETHER/ *GANGLIONIC BLOCKADERS/ HUMAN/ MIDDLE AGE/ *SURGERY, OPERATIVE/ *WATER-ELECTROLYTE BALANCE

3065. **Pollak A, Gellman M, Nebel L:** Persisting structural alterations in the uterus and ovaries of rats induced by intrauterine devices.
J Reprod Fertil 33:129-33, Apr 73
ANIMAL EXPERIMENTS/ CELL TRANSFORMATION, NEOPLASTIC/ ENDOMETRIUM, pathology/ EPITHELIUM, pathology/ FEMALE/ HYPERPLASIA, etiology/ HYPERTROPHY, etiology/ *INTRAUTERINE DEVICES, adverse effects/ KERATIN/ METAPLASIA, etiology/ *OVARIAN DISEASES, etiology/ OVARY, pathology/ POLYPS, etiology/ RATS/ TIME FACTORS/ *UTERINE DISEASES, etiology/ UTERUS, pathology

3066. **Pollard JD, Fitzpatrick L:** A comparison of the effect of irradiation and immunosuppressive agents on regeneration through peripheral nerve allografts: an ultrastructural study.
Acta Neuropathol (Berl) 23:166-80, 30 Jan 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ AXONS, drug effects/ AZATHIOPRINE, pharmacodynamics/ COLLAGEN, biosynthesis/ GRAFT REJECTION/ HYDROCORTISONE, pharmacodynamics/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ MICROSCOPY, ELECTRON/ NERVE FIBERS, MYELINATED, drug effects/ NERVE FIBERS, MYELINATED, radiation effects/ NEURILEMMA/ *RADIATION EFFECTS/ RATS/ REGENERATION, drug effects/ SCHWANN CELLS, drug effects/ SCHWANN CELLS, radiation effects/ SCIATIC NERVE, drug effects/ SCIATIC NERVE, metabolism/ SCIATIC NERVE, pathology/ SCIATIC NERVE, radiation effects/ *SCIATIC NERVE, transplantation/ SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS

3067. Popma BH, Cloutier MD, Hayles AB: Thyroid nodule producing T3 toxicosis in a child.
Mayo Clin Proc 48:273-5, Apr 73
AGE FACTORS/ CASE REPORT/ CHILD/ DEPRESSION, CHEMICAL/ FEMALE/ GOITER, NODULAR, complications/ GOITER, NODULAR, diagnosis/ *GOITER, NODULAR, physiopathology/ HUMAN/ *HYPERTHYROIDISM, etiology/ RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID GLAND, secretion/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, diagnostic use/ *TRIIODOTHYRONINE, secretion

3068. Popov PG, Kavrakirova SV, Belokonsky IS, et al: The effect of some cytostatics on tyrosine aminotransferase activity in rat liver.
Acta Biol Med Ger 29:751-5, 1972
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ FEMALE/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, radiation effects/ MERCAPTOPURINE, pharmacodynamics/ METHOTREXATE/ METHOTREXATE, pharmacodynamics/ RADIATION EFFECTS/ RATS/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, metabolism/ TYROSINE AMINOTRANSFERASE, radiation effects

3069. Popova OB, Fridman IA: Ob étiologii i lechenii diagormonal'nof giperplazii molochnykh zhelez.
Vopr Onkol 18:78-9, 1972 (Rus)
*ADENOFIBROMA, etiology/ ADENOFIBROMA, therapy/ *ADENOMA, etiology/ ADENOMA, therapy/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, therapy/ *ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, metabolism/ *ESTROGENS, metabolism/ FEMALE/ HUMAN

3070. Popowicz K: Tempo procesu dojrzewania kości ręki i dalszego odcinka kości przedramienia w obrazie radiologicznym.
Pol Przegl Radiol 37:177-85, Mar-Apr 73 (Pol)
ADOLESCENCE/ *BONE AND BONES, radiography/ *BONE DEVELOPMENT/ CHILD/ ENGLISH ABSTRACT/ EPIPHYSES, growth & development/ FEMALE/ *FOREARM, growth & development/ FOREARM, radiography/ *HAND, growth & development/ HAND, radiography/ HUMAN/ MALE/ SEX FACTORS

3071. Poppe W, Schwenkbier H, Wieczorek V: 50. Mitteilung des Zentralen Gutachterausschusses für Arzneimittelverkehr, Sektion Humanmedizin.
Dtsch Gesundheitsw 28:136-9, 3 Jan 73 (Ger)
ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CORTICOTROPIN, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ *MULTIPLE SCLEROSIS, drug therapy/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use

3072. Porcelli RJ, Bergofsky EH: Adrenergic receptors in pulmonary vasoconstrictor responses to gaseous and humoral agents. J Appl Physiol 34:483-8, Apr 73
ACIDOSIS, physiopathology/ ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ *BLOOD PRESSURE, drug effects/ CATS/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYPERCAPNIA, physiopathology/ NOREPINEPHRINE/ PERFUSION/ *PULMONARY CIRCULATION, drug effects/ *RECEPTORS, ADRENERGIC/ SEROTONIN, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

3073. Porter BA, Refetoff S, Rosenfeld RL, et al: Abnormal thyroxine metabolism in hyposomatotrophic dwarfism and inhibition of responsiveness to TRH during GH therapy. Pediatrics 51:668-74, Apr 73
ADOLESCENCE/ CHILD/ DWARFISM, PITUITARY, drug therapy/ *DWARFISM, PITUITARY, metabolism/ FEMALE/ HUMAN/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, metabolism/ MALE/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, adverse effects/ SOMATOTROPIN, antagonists & inhibitors/ SOMATOTROPIN, metabolism/ *SOMATOTROPIN, therapeutic use/ THYROTROPIN, antagonists & inhibitors/ *THYROTROPIN, metabolism/ THYROTROPIN RELEASING FACTOR, antagonists & inhibitors/ THYROTROPIN RELEASING FACTOR, metabolism/ THYROXINE, metabolism

3074. Porter K, Prescott D, Frye J: Changes in surface morphology of Chinese hamster ovary cells during the cell cycle. J Cell Biol 57:815-36, Jun 73
*CELL DIVISION/ CELL LINE/ FEMALE/ HAMSTERS/ MICROSCOPY, ELECTRON, SCANNING/ MITOSIS/ OVARY/ THYMIDINE

3075. Porter KA: Clinical renal transplantation.
Int Rev Exp Pathol 11:73-176, 1972 (625 ref.)
ANIMAL EXPERIMENTS/ ANTIBODIES/ BABOONS/ CHIMPANZEES/ DOGS/ ERYTHROPOIETIN, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULONEPHRITIS, immunology/ GRAFT REJECTION/ HISTOCOMPATIBILITY/ HUMAN/ IMMUNOGLOBULINS/ IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS/ KIDNEY, immunology/ KIDNEY, metabolism/ KIDNEY, pathology/ *KIDNEY, transplantation/ MACACA/ MONKEYS/ NEOPLASMS, immunology/ RENIN, blood/ REVIEW/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HETEROLOGOUS/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

3076. Poskalenko AN: Kontratseptsiia i reproduktivnaia funktsiia.
Vestn Akad Med Nauk SSSR 27:74-80, Nov 72 (Rus)
*CONTRACEPTIVE DEVICES, adverse effects/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ *REPRODUCTION/ STRUCTURE-ACTIVITY RELATIONSHIP

3077. Potokar T: Paraneoplastički sindromi pri bronhopulmonalnom karcinomu (zbirni referat.
Plucne Bolesti Tuberk 24:244-9, Jul-Sep 72 (16 ref.) (Cro)
*CARCINOMA, BRONCHOGENIC, complications/ CUSHING'S SYNDROME, etiology/ GYNECOMASTIA, etiology/ HORMONES, ECTOPIC/ HUMAN/ HYPERTHYROIDISM, etiology/ HYPOGLYCEMIA, etiology/ HYPONATREMIA, etiology/ *LUNG NEOPLASMS, complications/ NEUROLOGIC MANIFESTATIONS/ OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC, etiology/ REVIEW/ SKIN MANIFESTATIONS/ SYNDROME/ VASOPRESSIN, secretion

3078. Potter BS, Burgoon CF Jr, Johnson WC: Pityrosporum folliculitis. Report of seven cases and review of the Pityrosporum organism relative to cutaneous disease.
Arch Dermatol 107:383-91, Mar 73
ADRENAL GLAND DISEASES, diagnosis/ ADULT/ DEXAMETHASONE, diagnostic use/ DIABETES MELLITUS, complications/ EOSINOPHILS/ FEMALE/ *FOLLICULITIS/ FOLLICULITIS, complications/ FOLLICULITIS, microbiology/ FOLLICULITIS, pathology/ GLUCOSE TOLERANCE TEST/ HISTIOCYTES/ HUMAN/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ MONILIALES, isolation & purification/ *MONILIASIS, CUTANEOUS/ MONILIASIS, CUTANEOUS, complications/ MONILIASIS, CUTANEOUS, microbiology/ MONILIASIS, CUTANEOUS, pathology/ NEUTROPHILS/ PLASMA CELLS

3079. **Potts DM**: Biosocial aspects of life in Britain. Reproduction and its control.
J Biosoc Sci 5:229-41, Apr 73
ABORTION, mortality/ ABORTION, INDUCED/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVE DEVICES, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ FERTILITY/ GREAT BRITAIN/ INFANT/ MENSTRUATION/ *POPULATION CONTROL/ PREGNANCY/ RELIGION/ SOCIAL ENVIRONMENT

Sem Hop Paris 48:3451-7, 20 Dec 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *ASTHMA, complications/ BIOPSY/ BRONCHOSCOPY/ ELASTIC TISSUE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTROPHY/ LUNG, pathology/ LUNG, radiography/ *LUNG DISEASES, pathology/ MICROSCOPY, ELECTRON/ PULMONARY ALVEOLI, pathology/ *PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, diagnosis/ RESPIRATORY INSUFFICIENCY, drug therapy/ *RESPIRATORY INSUFFICIENCY, etiology/ SCLEROSIS/ SPIROMETRY

3081. **Powell D, Leeman S, Tregear GW, et al**: Radioimmunoassay for substance P.
Nature [New Biol] 241:252-4, 21 Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BRAIN CHEMISTRY/ CATTLE/ CEREBRAL CORTEX, analysis/ HUMAN/ HYPOTHALAMUS, analysis/ IODINE ISOTOPES/ MEDULLA OBLONGATA, analysis/ *RADIOIMMUNOASSAY/ RATS/ SPINAL CORD, analysis/ *SUBSTANCE P, analysis/ SUBSTANTIA NIGRA, analysis/ TISSUE EXTRACTS, analysis

3082. **Powell D, Murray TM, Pollard JJ, et al**: Parathyroid localization using venous catheterization and radioimmunoassay. Arch Intern Med 131:845-8, May 73
*CATHETERIZATION/ FEMALE/ *FEMORAL VEIN/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY

3083. **Powell JB, Knesel EA, Hoffner PR, et al**: Effect of clofibrate (atromid S) on t 4 -by-column measurements. Am J Clin Pathol 59:764, May 73
BINDING, COMPETITIVE/ *CLOFIBRATE, pharmacodynamics/ HUMAN/ THYROGLOBULIN/ *THYROID GLAND FUNCTION TESTS

3084. **Powell T**: A mathematical model for calcium homeostasis. Bull Math Biophys 34:483-502, Dec 72
*CALCIUM, metabolism/ FEEDBACK/ HOMEOSTASIS/ MATHEMATICS/ MODELS, BIOLOGICAL/ PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ THYROCALCITONIN, metabolism/ THYROCALCITONIN, pharmacodynamics

3085. **Powles AC**: Strongyloides stercoralis hyperinfection: case report. NZ Med J 77:169-71, Mar 73
ADULT/ *BETAMETHASONE, adverse effects/ BETAMETHASONE, therapeutic use/ BRAIN EDEMA, drug therapy/ CASE REPORT/ HUMAN/ MALE/ STRONGYLOIDIASIS, drug therapy/ *STRONGYLOIDIASIS, etiology/ THIABENDAZOLE, therapeutic use

3086. **Prada M da, Burkard WP, Pletscher A**: Cyclic AMP of blood platelets: accumulation in organelles storing 5-hydroxytryptamine and ATP.
Experientia 28:845-6, 15 Jul 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ DOPAMINE, analysis/ GUINEA PIGS/ IN VITRO/ RABBITS/ SEROTONIN, analysis/ *SUBCELLULAR FRACTIONS, analysis/ ULTRASONICS

3087. **Prado-Alcala RA, Grinberg-Zylberbaum J, Alvarez-Leefmans J, et al**: Suppression of motor conditioning by the injection of 3 M KCl in the caudate nuclei of cats. Physiol Behav 10:59-64, Jan 73
AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ CATS/ *CAUDATE NUCLEUS, drug effects/ CEREBRAL ANIMAL/ LOCOMOTION/ MEMORY, SHORT-TERM, drug effects/ MICROINJECTIONS/ *MOTOR ACTIVITY/ NEURONS, drug effects/ OSMOLAR CONCENTRATION/ POTASSIUM CHLORIDE, administration & dosage/ *POTASSIUM CHLORIDE, pharmacodynamics

3088. **Prange I, Sondergaard E, Dam H**: Alimentary production of gallstones in hamsters. 26. The influence of orally ingested lithocholic, cholic, dehydrocholic and deoxycholic acids on gallstone production compared with the influence of chenodeoxycholic acid.
Z Ernaehrungswiss 12:92-107, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BILE ACIDS AND SALTS, adverse effects/ BODY WEIGHT/ *CHOLELITHIASIS, chemically induced/ CHOLESTEROL/ CHOLIC ACID, administration & dosage/ CHOLIC ACID, adverse effects/ COMPARATIVE STUDY/ DEOXYCHOLIC ACID, administration & dosage/ DEOXYCHOLIC ACID, adverse effects/ DISEASE MODELS, ANIMAL/ FATTY ACIDS/ FEMALE/ HAMSTERS/ LITHOCHOLIC ACID, administration & dosage/ LITHOCHOLIC ACID, adverse effects/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ SEX FACTORS/ TESTIS, drug effects

3089. **Prasad KN**: Cyclic AMP-induced differentiated mouse neuroblastoma cells lose tumourgenic characteristics.
Cytobios 6:163-6, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ DRUG COMBINATIONS, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICE/ MICE, INBRED A/ NEOPLASM TRANSPLANTATION/ *NEUROBLASTOMA/ PROSTAGLANDINS, pharmacodynamics

3090. **Prasad KN, Mandal B, Waymire JC, et al**: Basal level of neurotransmitter synthesizing enzymes and effect of cyclic AMP agents on the morphological differentiation of isolated neuroblastoma clones.
Nature [New Biol] 241:117-9, 24 Jan 73
ACETYLCHOLINESTERASE, analysis/ ACETYLTRANSFERASES, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CARBOXY-LYASES, analysis/ *CELL DIFFERENTIATION, drug effects/ CLONE CELLS, enzymology/ GLUTAMATES/ IMIDAZOLES, pharmacodynamics/ MICE/ NEURAL TRANSMISSION/ *NEUROBLASTOMA, enzymology/ NEUROBLASTOMA, pathology/ PROSTAGLANDINS, pharmacodynamics/ TYROSINE HYDROXYLASE, analysis

3091. **Pratap VK, Samuel KC, Saxena H**: Tuberculosis--manifestations at uncommon sites.
J Indian Med Assoc 59:281-2 passim, 1 Oct 72
ADOLESCENCE/ ADULT/ FEMALE/ GALLBLADDER DISEASES/ HEEL/ HUMAN/ MALE/ MIDDLE AGE/ MOUTH DISEASES/ PERIPHERAL NERVE DISEASES/ STOMACH DISEASES/ THYROID DISEASES/ TONGUE DISEASES/ *TUBERCULOSIS/ TUBERCULOSIS, CARDIOVASCULAR/

TUBERCULOSIS, CUTANEOUS/
TUBERCULOSIS, ENDOCRINE/

OSTEOARTICULAR

3092. **Prechtel K, Seidel H:** Der Einfluss oraler Steroidkontrazeptiva auf das Fibroadenom der Mamma.
Dtsch Med Wochenschr 98:698-702, 6 Apr 73 (Ger)
*ADENOFIBROMA, chemically induced/ ADENOFIBROMA, classification/ ADULT/ AGE FACTORS/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, classification/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENARCHE/ TIME FACTORS

3093. **Predo'scu V, Christodorescu D:** Ereditatea legată de sex (X-linked) în bolile psihice şi neurologice.
Neurol Psihiatr Neurochir 17:441-52, Sep-Oct 72 (Rum)
ENGLISH ABSTRACT/ GENES/ HUMAN/ *MENTAL DISORDERS, familial & genetic/ *NERVOUS SYSTEM DISEASES, familial & genetic/ *SEX CHROMOSOMES

3094. **Preece MA, McIntosh WB, Tomlinson S, et al:** Vitamin-D deficiency among Asian immigrants to Britain. Lancet 809:907-10, 28 Apr 73
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CHILD/ EMIGRATION AND IMMIGRATION/ GREAT BRITAIN/ HUMAN/ HYDROXYCHOLECALCIFEROL, blood/ INDIA/ KIDNEY, metabolism/ LIVER, metabolism/ MIDDLE AGE/ OSTEOMALACIA, etiology/ PAKISTAN/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ PHOSPHATES, blood/ RICKETS, etiology/ VITAMIN D, metabolism/ VITAMIN D DEFICIENCY, complications/ *VITAMIN D DEFICIENCY, occurrence

3095. **Prenzlau P, Bayer H, Lüder R, et al:** Die intrauterine Plazentographie durch Ultraschall und die Plazentafunktion.
Zentralbl Gynaekol 95:12-5, 5 Jan 73 (Ger)
ANDROSTERONE, administration & dosage/ ANDROSTERONE, metabolism/ ANDROSTERONE, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ PLACENTA, metabolism/ *PLACENTA, physiology/ PREGNANCY/ TIME FACTORS/ ULTRASONICS

3096. **Prescott RJ, Hedley AJ, Paterson C:** Serum alkaline phosphatase and rickets. Br Med J 2:47, 7 Apr 73
*ALKALINE PHOSPHATASE, blood/ HUMAN/ METHODS/ POPULATION SURVEILLANCE/ RICKETS, diagnosis/ *RICKETS, enzymology/ RICKETS, radiography

3097. **Preston TR:** Molasses as an energy source for cattle.
World Rev Nutr Diet 17:250-311, 1973 (112 ref.)
ANIMAL EXPERIMENTS/ *ANIMAL FEED/ ANIMAL NUTRITION/ BODY COMPOSITION/ BODY WEIGHT/ *CATTLE, metabolism/ CEREALS/ *DIETARY CARBOHYDRATES/ DIETARY CARBOHYDRATES, adverse effects/ DIETARY CARBOHYDRATES, metabolism/ DIETARY PROTEINS/ FEMALE/ FISH PRODUCTS/ LACTATION/ MALE/ MEAT/ MILK/ *MOLASSES/ MOLASSES, adverse effects/ MOLASSES, analysis/ PLANTS, EDIBLE/ PREGNANCY/ REVIEW/ RUMEN, metabolism/ TROPICAL CLIMATE/ UREA

3098. **Price S:** Phosphodiesterase in tongue epithelium: activation by bitter taste stimuli.
Nature 241:54-5, 5 Jan 73
ACETAMIDES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ ENZYME ACTIVATION, drug effects/ EPITHELIUM, enzymology/ PHENYLALANINE, pharmacodynamics/ *PHOSPHODIESTERASES, analysis/ PHOSPHODIESTERASES, metabolism/ PROPYLTHIOURACIL, pharmacodynamics/ QUININE, pharmacodynamics/ *TASTE/

3099. **Price WH:** Delayed puberty.
Nurs Mirror 136:16-20, 20 Apr 73
KLINEFELTER'S SYNDROME, diagnosis/ SEX CHROMATIN, analysis/ SEX DIFFERENTIATION DISORDERS, diagnosis/ SPECIAL LIST NURSING/ TESTICULAR FEMINIZATION, diagnosis/ TURNER'S SYNDROME, diagnosis

3100. **Prieto Valtueña J, Del Pozo Crespo F, Velasco Alonso R:** Autoinmunidad humoral y ritmo de envejecimiento.
Rev Clin Esp 128:203-10, 15 Feb 73 (Spa)
AGE FACTORS/ AGED/ *AGING/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MITOCHONDRIA, immunology/ *RHEUMATOID FACTOR, analysis/ SEX FACTORS/ *THYROGLOBULIN

3101. **Prignitz R, Hoffmeister G:** Untersuchungen über den Einfluss von Röntgenstrahlen auf Elektrolytverschiebungen und Stoffwechsel des Herzmuskels. I. Strahlenbedingte Calciumveränderungen am isolierten Meerschweinchenvorhof.
Strahlentherapie 145:207-15, Feb 73 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ *ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ *HEART, radiation effects/ HEART ATRIUM/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ RADIATION DOSAGE/ *RADIATION EFFECTS

3102. **Prişcu R, Malorescu M, Anca I, et al:** Tratamentul edemului cerebral acut.
Pediatr Pol 21:519-28, Nov-Dec 72 (Rum)
ACUTE DISEASE/ BRAIN EDEMA, complications/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ CHILD, PRESCHOOL/ FUROSEMIDE, therapeutic use/ GLYCERIN, therapeutic use/ HUMAN/ INFANT/ MANNITOL, therapeutic use/ PREDNISONE, therapeutic use

3103. **Prişcu R, Malorescu M, Serafim N, et al:** Posibilităţi de diagnostic în fibroelastoza endocardică (în legătură cu experienţa noastră în 9 cazuri.
Pediatria (Bucur) 21:465-77, Sep-Oct 72 (Rum)
ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ CHILD, PRESCHOOL/ DIGITALIS GLYCOSIDES, therapeutic use/ ELECTROCARDIOGRAPHY/ ENDOCARDIAL FIBROELASTOSIS, complications/ *ENDOCARDIAL FIBROELASTOSIS, diagnosis/ ENDOCARDIAL FIBROELASTOSIS, drug therapy/ ENDOCARDIAL FIBROELASTOSIS, pathology/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ THORACIC RADIOGRAPHY

3104. **Pritchard PB 3d, Netsky MG:** Prevalence of neoplasms and causes of death in paralysis agitans. A necropsy study. Neurology (Minneap) 23:215-22, Mar 73
ADRENAL GLAND NEOPLASMS, complications/ AGE FACTORS/ AGED/ AUTOPSY/ BRAIN NEOPLASMS, complications/ BREAST NEOPLASMS, complications/ ESOPHAGEAL NEOPLASMS, complications/ EVALUATION STUDIES/ FEMALE/ GASTROINTESTINAL NEOPLASMS, complications/ HUMAN/ LUNG NEOPLASMS, complications/ MALE/ *NEOPLASMS, complications/ NEUROHUMORS/ *PARKINSONISM, complications/ PARKINSONISM, mortality/ THYROID NEOPLASMS, complications/ UROGENITAL NEOPLASMS, complications

3105. **Pritz WF:** The organization of organismic behaviour.
Curr Mod Biol 5:66-94, Mar 73
*BEHAVIOR/ CELL DIFFERENTIATION/ CELL MEMBRANE/ EMBRYO, growth &

development/ EVOLUTION/ GENETICS, BIOCHEMICAL/ HORMONES/ MODELS, BIOLOGICAL/ PSYCHOPHYSIOLOGY/ RNA, MESSENGER/ TRANSLATION, GENETIC

3106. **Proesmans W, Eggermont E, Eeckels R:** Antidiuretic therapy in Bartter's syndrome.
J Pediatr 82:538-9, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ALKALOSIS, complications/ BUTYRATES, therapeutic use/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, drug therapy/ HYPERPLASIA, complications/ HYPERTROPHY, complications/ HYPOKALEMIA, complications/ *JUXTAGLOMERULAR APPARATUS/ KIDNEY CONCENTRATING ABILITY, drug effects/ *KIDNEY DISEASES, drug therapy/ SYNDROME

3107. **Profeta G, De Rosa C, Petrone G, et al:** Contributo alla diagnosi e alla terapia dell'esoftalmo unilaterale.
Acta Neurol (Napoli) 28:85-104, Jan-Feb 73 (Ita)
ADOLESCENCE/ ADULT/ ANGIOGRAPHY/ CAROTID ARTERIES/ CHILD/ ENGLISH ABSTRACT/ *EXOPHTHALMOS/ EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, etiology/ EXOPHTHALMOS, surgery/ EYE NEOPLASMS, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ ORBITAL NEOPLASMS, complications

3108. **Prokopczuk A, Lewartowski B, Czarnecka M:** On the cellular mechanism of the inotropic action of acetylcholine on isolated rabbit and dog atria.
Pfluegers Arch 339:305-16, 1973
*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ DOGS/ EPINEPHRINE, pharmacodynamics/ *HEART ATRIUM, drug effects/ IN VITRO/ MANGANESE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ PERFUSION/ POTASSIUM, pharmacodynamics/ RABBITS

3109. **Prokšova EQ, Meitner ER:** Veränderungen der Neurosekretmenge unter experimentellen Bedingungen. Anat Anz 132:315-24, 1972 (Ger)
ANIMAL EXPERIMENTS/ DARKNESS/ FEMALE/ HIBERNATION/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ LIGHT/ *NEUROSECRETION/ NEUROSECRETION, drug effects/ NEUROSECRETION, radiation effects/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, secretion/ RATS/ STRESS/ WATER

3110. **Pruszewicz A, Obrębowski A, Kosowicz J:** Zmiany wirylizacyjne w narządzie głosowym jako zagadnienie foniatryczne.
Otolaryngol Pol 27:131-9, 1973 (Pol)
ADOLESCENCE/ ADULT/ ANABOLIC STEROIDS, adverse effects/ ANABOLIC STEROIDS, therapeutic use/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GROWTH DISORDERS, drug therapy/ HUMAN/ MIDDLE AGE/ TESTOSTERONE, adverse effects/ TESTOSTERONE, therapeutic use/ *VIRILISM/ VIRILISM, chemically induced/ *VOICE/ VOICE, drug effects

3111. **Pryse-Davies J, Beazley JM, Leach G:** A study of placental size and chorio-amnionitis in a consecutive series of hospital deliveries.
J Obstet Gynaecol Br Commonw 80:246-51, Mar 73
*AMNION/ BIRTH WEIGHT/ FEMALE/ *FETAL MEMBRANES/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ INFLAMMATION/ LABOR/ MALE/ ORGAN WEIGHT/ *PLACENTA, anatomy & histology/ *PLACENTA DISORDERS, occurrence/ PLACENTA DISORDERS, pathology/ PREGNANCY/ UMBILICAL CORD

3112. **Przybyszowski A:** Chirurgiczne leczenie guza chromochłonnego.
Pol Przegl Chir 45:481-4, Apr 73 (Pol)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, complications/ KIDNEY NEOPLASMS, surgery/ MALE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, surgery

3113. **Puche RC, Romano MC, Locatto ME, et al:** The effect of insulin on bone resorption.
Calcif Tissue Res 12:8-15, 1973
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, blood/ FEMALE/ GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ MALE/ PARATHYROID GLANDS, physiology/ PHOSPHORUS, blood/ RATS/ RATS, INBRED STRAINS/ THYROID GLAND, physiology

3114. **Puga FJ, Gibbs CP, Williams TJ:** Castrating operations associated with metastatic lesions of the breast.
Obstet Gynecol 41:713-9, May 73
ADOLESCENCE/ ADULT/ *BREAST NEOPLASMS, surgery/ *CASTRATION/ FEMALE/ HUMAN/ *HYSTERECTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS/ *OVARY, surgery/ UTERINE NEOPLASMS

3115. **Puget A:** The Afghan pika (Ochotona refescens rufescens): a new laboratory animal.
Lab Anim Sci 23:248-51, Apr 73
AFGHANISTAN/ ANIMAL EXPERIMENTS/ *ANIMALS, LABORATORY/ BODY WEIGHT/ BREEDING/ DIET/ FEMALE/ MALE/ MAMMAE, anatomy & histology/ PREGNANCY/ REPRODUCTION/ *RODENTS, physiology/ TESTIS, anatomy & histology/ WEANING

3116. **Pugh JI, Stringer P:** Glove-powder granuloma of the testis after surgery. Br J Surg 60:240-2, Mar 73
AGED/ EPIDIDYMITIS, etiology/ GLOVES, SURGICAL/ *GRANULOMA, chemically induced/ GRANULOMA, diagnosis/ GRANULOMA, pathology/ HUMAN/ HYDROCELE, surgery/ MALE/ *ORCHITIS, chemically induced/ ORCHITIS, diagnosis/ ORCHITIS, pathology/ *POSTOPERATIVE COMPLICATIONS/ *TALC, adverse effects/ TESTIS, pathology

3117. **Puharić I, Belicza M, Grizelj V, et al:** Miješani disgeneza gonada s malignim tumorom testisa.
Lijec Vjesn 94:340-3, Jul 72 (Cro)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ MIDDLE AGE/ PHENOTYPE/ SEX CHROMOSOMES/ *TERATOID TUMOR, complications/ TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, pathology/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, pathology

3118. **Pulte JK, Schut T, Praag HM van, et al:** Monoamine metabolism and depression in Parkinson patients
Psychiatr Neurol Neurochir 76:61-70, Jan-Feb 73
DEPRESSION, drug therapy/ *DEPRESSION, etiology/ DEPRESSION, metabolism/ DOPA, therapeutic use/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ PARKINSONISM, cerebrospinal fluid/ PARKINSONISM, complications/ PARKINSONISM, drug therapy/ *PARKINSONISM, metabolism/ PROBENECID, diagnostic use/ *SEROTONIN, metabolism

3119. **Pulin A, Travaglini M:** Ruolo della chirurgia nel trattamento delle tireopatie.
Minerva Chir 28:301-6, 28 Feb 73 (Ita)
FEMALE/ GOITER, surgery/ HUMAN/

HYPERTHYROIDISM, surgery/ METHODS/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ RECURRENCE/ *THYROID DISEASES, surgery/ THYROID NEOPLASMS, surgery/ *THYROIDECTOMY

3120. **Pulkkinen MO, Wiilman K:** Reduction of maternal estrogen excretion by neomycin.
Am J Obstet Gynecol 115:1153, 15 Apr 73
*ESTROGENS, urine/ FEMALE/ HUMAN/ *NEOMYCIN, pharmacodynamics/ *PREGNANCY/ TIME FACTORS

3121. **Punnett HH:** Hunter syndrome in girl.
N Engl J Med 288:856, 19 Apr 73
CHILD/ FEMALE/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ *LIPOCHONDRODYSTROPHY, familial & genetic/ MUTATION/ *RETINITIS PIGMENTOSA, familial & genetic/ SEX CHROMOSOMES/ SEX FACTORS

3122. **Punnonen R:** Effect of castration and peroral estrogen therapy on the skin.
Acta Obstet Gynecol Scand [Suppl] 21:3-44, 1972
ADULT/ AUTORADIOGRAPHY/ BIOPSY/ *CASTRATION/ CELL COUNT/ EPITHELIUM, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTROGENS, urine/ FEMALE/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ MITOSIS, drug effects/ OXAZEPAM, pharmacodynamics/ OXAZEPAM, therapeutic use/ PREOPERATIVE CARE/ *SKIN, drug effects/ SKIN, metabolism/ SKIN, pathology/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ VAGINAL SMEARS

3123. **Puranik SR, Mencia LF, Gilbert MG:** Artificial testicles in children: a new silastic gel testicular prosthesis.
J Urol 109:735-6, Apr 73
*ABNORMALITIES, surgery/ ABNORMALITIES, therapy/ CHILD/ *CRYPTORCHISM, surgery/ GELS/ HUMAN/ MALE/ METHODS/ *PROSTHESIS/ SILICONE ELASTOMERS/ *TESTIS, abnormalities

3124. **Purchase HG:** Fluorescent-antibody techniques in avian research.
Avian Dis 17:213-26, Jan-Mar 73 (44 ref.)
ANIMAL EXPERIMENTS/ ANTIGENS/ BIRDS, immunology/ CHICKENS/ COMPLEMENT FIXATION TESTS/ DIALYSIS/ FLUORESCEINS/ FLUORESCENCE/ *FLUORESCENT ANTIBODY TECHNIC/ FLUORESCENT ANTIBODY TECHNIC, instrumentation/ GAMMA GLOBULIN, isolation & purification/ GEL DIFFUSION TESTS/ IMMUNE SERUMS/ METHODS/ MICROSCOPY, instrumentation/ PHOTOMICROGRAPHY/ REVIEW/ THIOCYANATES

3125. **Purnell DM, Combs JW:** Quantitative histochemical assessment of the changes produced in hamster mammary tissue mast cells by the estrus cycle.
Life Sci [II] 12:253-66, 22 Mar 73
ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, cytology/ EPITHELIUM, metabolism/ *ESTRUS/ FEMALE/ HAMSTERS/ *MAMMAE, cytology/ MAMMAE, metabolism/ MAST CELLS, analysis/ *MAST CELLS, cytology/ STAINS AND STAINING/ THYMIDINE, metabolism/ TONGUE, cytology/ TRITIUM/ UTERUS, cytology

3126. **Purvis K, Haynes NB:** The effect of female rat proximity on the reproductive system of male rats.
Physiol Behav 9:401-7, Sep 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ ESTRUS/ FEMALE/ *GENITALIA, MALE, anatomy & histology/ HOUSING, ANIMAL/ LH, analysis/ LH, secretion/ MALE/ ORGAN WEIGHT/ PHEROMONES/ PITUITARY GLAND, analysis/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, secretion/ RATS/ SEX BEHAVIOR, ANIMAL/ *SOCIAL BEHAVIOR/ SOCIAL ISOLATION/ *SPATIAL BEHAVIOR/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TOUCH

3127. **Puzyrev AA, Ivanov VF:** Vliianie gonadéktomii na éndokrinnyi épitelii podzheludochnoĭ zhelezy.
Arkh Anat Gistol Embriol 63:75-84, Jul 72 (Rus)
ANIMAL EXPERIMENTS/ *CASTRATION/ CYTOPLASMIC GRANULES/ DNA, biosynthesis/ ENGLISH ABSTRACT/ *ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MITOSIS/ RATS/ TIME FACTORS

3128. **Pytel' AIa:** Obratimaia pechenochnaia disfunktsiia u bol'nykh rakom pochki.
Urol Nefrol (Mosk) 38:13-8, Jan-Feb 73 (Rus)
ADENOCARCINOMA/ AUTOANTIBODIES/ AUTOANTIGENS/ ENGLISH ABSTRACT/ HEPATITIS, etiology/ HORMONES, ECTOPIC, physiology/ HUMAN/ KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, immunology/ *KIDNEY NEOPLASMS, physiopathology/ KININS, metabolism/ LIPOPROTEINS, blood/ LIVER, pathology/ *LIVER, physiopathology/ LIVER NEOPLASMS/ NEOPLASM METASTASIS/ NEPHROBLASTOMA/ REVIEW

Q

3129. **Quadracci LJ, Pierce GE, Striker GE, et al:** Homograft survival and serum-blocking factors.
Transplant Proc 5:649-53, Mar 73
*ANTIBODIES/ ANTIGEN-ANTIBODY COMPLEX/ ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, therapeutic use/ CREATININE, blood/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ GRAFT REJECTION/ HORSES, immunology/ HUMAN/ IMMUNITY, CELLULAR/ IMMUNOSUPPRESSION/ KIDNEY, transplantation/ LYMPHOCYTES, immunology/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

3130. **Quadri SK, Meites J:** Effects of ergocornine and CG 603 on blood prolactin and GH in rats bearing a pituitary tumor.
Proc Soc Exp Biol Med 142:837-41, Mar 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BODY WEIGHT, drug effects/ ERGOT ALKALOIDS, administration & dosage/ *ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ IMIDES, administration & dosage/ *IMIDES, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, blood/ PHTHALIC ACID, administration & dosage/ *PHTHALIC ACID, pharmacodynamics/ *PITUITARY NEOPLASMS, blood/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, blood

R

3131. **Raab W, Windisch J:** Corticosteroids versus antibiotics.
Dermatologica 145:400-2, 1972
BETAMETHASONE, administration & dosage/ *BETAMETHASONE, pharmacodynamics/ CONSTRICTION/ DRUG COMBINATIONS/ DRUG INTERACTIONS/ *DRUG RESISTANCE, MICROBIAL/ GENTAMICIN, administration & dosage/ *GENTAMICIN, pharmacodynamics/ HUMAN/ PSEUDOMONAS, drug effects/ STAPHYLOCOCCUS, drug effects/ *VASOMOTOR SYSTEM, drug effects

3132. **Raafat F, Hashemian MP, Abrishami MA:** Wolman's disease: report of two new cases, with a review of the literature.
Am J Clin Pathol 59:490-7, Apr 73
ADRENAL GLANDS/ CALCINOSIS, diagnosis/ HEPATOMEGALY, diagnosis/ HISTIOCYTES/ HUMAN/ INFANT/ INTESTINAL MUCOSA, cytology/ *LIPOIDOSIS, familial & genetic/ LIVER, cytology/ LYMPH NODES, cytology/ MALABSORPTION SYNDROMES/ MALE/ SPLEEN, cytology/ SPLENOMEGALY,

diagnosis/ THYMUS GLAND, cytology/ *XANTHOMATOSIS, familial & genetic

3133. **Radionov NT, Shabel'nik NM, Gulyi MF:** Utvorennia lymonnoi kysloti l ketonovykh til u laktuluchykh koriv z riznolu produktyvnistiu.
Ukr Biokhim Zh 45:91-4, 1973 (Ukr)
ANIMAL EXPERIMENTS/ CARBOXYLIC ACIDS, pharmacodynamics/ CATTLE/ *CATTLE, physiology/ CITRATES, blood/ *CITRATES, metabolism/ CITRATES, urine/ ENGLISH ABSTRACT/ FEMALE/ KETONE BODIES, blood/ *KETONE BODIES, metabolism/ KETONE BODIES, urine/ *LACTATION/ MILK, analysis/ PREGNANCY

3134. **Radó JP, Szende L, Takó J, et al:** Effects of intravenous diazoxide and chlorpropamide on renal function in man.
Am Heart J 85:755-66, Jun 73
*CHLORPROPAMIDE, administration & dosage/ CHLORPROPAMIDE, pharmacodynamics/ DEHYDRATION, physiopathology/ DIABETES INSIPIDUS, physiopathology/ *DIAZOXIDE, administration & dosage/ DIAZOXIDE, pharmacodynamics/ DIURESIS, drug effects/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERTENSION, physiopathology/ HYPERTONIC SOLUTIONS/ INJECTIONS, INTRAVENOUS/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY, physiopathology/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ REGIONAL BLOOD FLOW/ SODIUM, urine/ SODIUM CHLORIDE, administration & dosage

3135. **Rager K, Gupta D:** Isolierung des menschlichen sexualhormonbindenden Globulins (SHBG) mit der Polyacrylamidgelelektrophorese.
Endokrinologie 60:317-21, 1972 (Ger)
BETA GLOBULIN, isolation & purification/ *CARRIER PROTEINS, isolation & purification/ CHILD/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ PROTEIN BINDING/ *SERUM GLOBULINS, isolation & purification/ SEX HORMONES/ TESTOSTERONE

3136. **Rahman YE, Peraino C:** Effects of age on patterns of enzyme adaptation in male and female rats.
Exp Gerontol 8:93-100, Apr 73
*AGING/ *AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ DIETARY PROTEINS, pharmacodynamics/ FEMALE/ *GLUCOSEPHOSPHATASE, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ ORNITHINE/ RATS/ *SERINE DEHYDRATASE, metabolism

3137. **Raikow RB:** Puffing in salivary gland chromosomes of picture-winged Hawaiian Drosophila.
Chromosoma 41:221-30, 1973
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ *DROSOPHILA/ *ECDYSONE, pharmacodynamics/ FEMALE/ HYBRIDIZATION/ LARVA/ MALE/ SALIVARY GLANDS, cytology/ *SEX CHROMOSOMES, drug effects/ SPECIES SPECIFICITY

3138. **Rainer H, Moser K:** Uber das Vorkommen einer RNA-abhängigen DNA-Polymerase in menschlicher Placenta.
Klin Wochenschr 51:41-2, Jan 73 (Ger)
CHROMATOGRAPHY, DEAE-CELLULOSE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTA, enzymology/ PREGNANCY/ *REVERSE TRANSCRIPTASE, analysis

3139. **Raĭskaia MM:** Dinamika psikhopatologicheskikh proiavlenii u bol'nykh s sindromom Klafnfel'tera.
Zh Nevropatol Psikhiatr 72:1381-5, 1972 (Rus)
AFFECTIVE DISTURBANCES/ AGE FACTORS/ EMOTIONS/ ENGLISH ABSTRACT/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ *MENTAL DISORDERS, etiology/ PERSONALITY/ SOCIAL ADJUSTMENT/ SOCIAL BEHAVIOR/ SOCIAL BEHAVIOR DISORDERS

3140. **Raith L:** Stoffwechselveränderungen durch hormonale Kontrazeptiva.
Dtsch Med Wochenschr 98:829-31, 20 Apr 73 (Ger)
AMINO ACIDS, metabolism/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ CARBOHYDRATES, metabolism/ CHOLESTEROL, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ DIABETES MELLITUS, chemically induced/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HUMAN/ *METABOLISM, drug effects/ PHOSPHOLIPIDS, metabolism/ PROTEINS, metabolism/ TRIGLYCERIDES, metabolism

3141. **Ralph RK, McCombs PJ, Tener G, et al:** Evidence for modification of protein phosphorylation by cytokinins.
Biochem J 130:901-11, Dec 72
*ADENINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINO ALCOHOLS, pharmacodynamics/ CELL-FREE SYSTEM/ CELL NUCLEUS, metabolism/ CHLOROPLASTS, metabolism/ DEPRESSION, CHEMICAL/ GIBBERELLINS, pharmacodynamics/ INDOLEACETIC ACID, pharmacodynamics/ *MITOGENS, pharmacodynamics/ OXIDATIVE PHOSPHORYLATION, drug effects/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ *PLANT GROWTH REGULATORS, pharmacodynamics/ *PLANT PROTEINS, metabolism/ PLANTS, metabolism/ PURINES, pharmacodynamics/ RIBOSOMES, drug effects/ RIBOSOMES, metabolism/ STIMULATION, CHEMICAL/ TOBACCO

3142. **Ramaley JA:** Role of the adrenal in PMS-induced ovulation before puberty: effect of adrenalectomy.
Endocrinology 92:881-7, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ *OVULATION, drug effects/ *PUBERTY/ RATS/ UTERUS, drug effects/ VAGINA, drug effects

3143. **Ramaley JA:** The development of daily change in serum corticosterone in pre-weanling rats.
Steroids 21:433-42, Mar 73
ADRENAL GLANDS, growth & development/ *ADRENAL GLANDS, physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ DARKNESS/ FEMALE/ LIGHT/ MALE/ RATS/ SEX FACTORS/ STRESS, blood/ TIME FACTORS/ WEANING

3144. **Ramamurthy NS, Zebrowski EJ, Baker C, et al:** Alloxan diabetes and reduced bone density in rat mandible.
Res Commun Chem Pathol Pharmacol 5:614-20, May 73
*ALLOXAN DIABETES, pathology/ ALLOXAN DIABETES, radiography/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ *BONE AND BONES, pathology/ BONE AND BONES, radiography/ BONE DEVELOPMENT/ BONE RESORPTION/ CALCIUM PHOSPHATES, analysis/ MALE/ MANDIBLE, pathology/ MANDIBLE, radiography/ RATS

3145. **Ramey ER:** Sex hormones and executive ability.
Ann NY Acad Sci 208:237-45, 15 Mar 73
ACHIEVEMENT/ BEHAVIOR/ FEMALE/ HUMAN/ *LEADERSHIP/ PREJUDICE/ *SEX HORMONES, physiology/ UNITED STATES/ *WOMEN

3146. **Ramos A, Hoecker G:** Natural heteroagglutinins of the mouse. A comparative study of anti-sheep and anti-human red blood cell agglutinin system.
Folia Biol (Praha) 19:81-8, 1973
*ABO FACTORS/ ALLELES/ ANIMAL EXPERIMENTS/ *ANTIBODIES,

HETEROTYPIC/ ANTIBODY FORMATION/ COMPARATIVE STUDY/ CROSS REACTIONS/ CROSSES, GENETIC/ ERYTHROCYTES, immunology/ FEMALE/ FORSSMAN ANTIGEN/ HEMAGGLUTINATION TESTS/ HEMOLYSIS/ HOMOZYGOTE/ HUMAN/ IMMUNOGENETICS/ *ISOANTIBODIES/ MALE/ MICE/ SEX CHROMOSOMES/ SEX FACTORS/ SHEEP, immunology

3147. **Ramp WK, Neuman F:** Bone mineralization in tissue culture. The calcium-phosphate product and ratio. Calcif Tissue Res 11:171-5, 19 Feb 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ *CALCIUM PHOSPHATES, metabolism/ CHICK EMBRYO/ CULTURE MEDIA/ LACTATES, metabolism/ NITROGEN, metabolism/ STATISTICS/ TIBIA/ TISSUE CULTURE

3148. **Ranadive KJ, Gadkari SV, Chapekar TN:** In vitro hormonal requirement for lobulo-alveolar development in the mammary gland of high tumour albino mouse ICRC. Indian J Exp Biol 10:327-32, Sep 72
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ MAMMAE, drug effects/ *MAMMAE, growth & development/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ ORGAN CULTURE/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ SOMATOTROPIN, pharmacodynamics

3149. **Randel RD, Callahan CJ, Erb RE, et al:** Effect of melengestrol acetate on rate of excretion of estrogen in urine of dairy heifers. J Anim Sci 36:741-8, Apr 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CREATININE, urine/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ LH, blood/ MELENGESTROL, administration & dosage/ MELENGESTROL, pharmacodynamics/ OVULATION, drug effects/ *PREGNADIENES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics

3150. **Randy HA Jr, Graf GC:** Factors affecting endogenous plasma oxytocic activity in lactating Holstein cows. J Dairy Sci 56:446-50, Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ *CATTLE, physiology/ ESTRUS/ FEMALE/ *LACTATION/ MAMMAE, physiology/ *OXYTOCIN, blood/ PHYSICAL STIMULATION/ PREGNANCY/ RATS/ TIME FACTORS/ TISSUE CULTURE

3151. **Rane A, Berggren M, Yaffe S, et al:** Oxidative drug metabolism in the perinatal rabbit liver and placenta. A biochemical and morphologic study. Xenobiotica 3:37-48, Jan 73
AMINOPYRINE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOPYRENES, metabolism/ CYTOCHROME REDUCTASES, metabolism/ ELECTRON TRANSPORT/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ GESTATIONAL AGE/ HYDROXYLATION/ LIVER, cytology/ LIVER, enzymology/ *LIVER, metabolism/ METHYLATION/ MICROSCOPY, ELECTRON/ MICROSOMES, metabolism/ MICROSOMES, LIVER, metabolism/ NAD/ NADP/ PHENOBARBITAL, pharmacodynamics/ PLACENTA, cytology/ *PLACENTA, metabolism/ PREGNANCY/ RABBITS/ SPECIES SPECIFICITY

3152. **Rao CR, Ferguson GC, Kyle VN:** Retroperitoneal fibrosis associated with Riedel's struma. Can Med Assoc J 106:1019-21, 21 Apr 73
HUMAN/ MALE/ METHYSERGIDE, adverse effects/ METHYSERGIDE, therapeutic use/ MIDDLE AGE/ MIGRAINE, drug therapy/ RETROPERITONEAL FIBROSIS, chemically induced/ *RETROPERITONEAL FIBROSIS, etiology/ RETROPERITONEAL FIBROSIS, pathology/ RETROPERITONEAL FIBROSIS, radiography/ *THYROIDITIS, complications/ TIME FACTORS/ URETERAL OBSTRUCTION, etiology

3153. **Rapaport FT, Ozaki A, Cannon FD, et al:** Parameters of allogeneic unresponsiveness in canine radiation chimerae, with particular reference to the possible existence of three closely linked genetic systems relevant to bone marrow transplantation. Transplant Proc 5:845-52, Mar 73
ANIMAL EXPERIMENTS/ BLOOD GROUPS/ *BONE MARROW CELLS, transplantation/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DOGS/ ERYTHROCYTES, immunology/ GENOTYPE/ GRAFT REJECTION/ *HISTOCOMPATIBILITY ANTIGENS/ *IMMUNE TOLERANCE/ KIDNEY, transplantation/ LEUKOCYTES, immunology/ *RADIATION CHIMERA/ SEX CHROMOSOMES/ SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3154. **Rapaport LI:** Tautomeriia u riadu farmatsevtichnikh preparativ, pokhidnikh pirimidinu. II. Pokhidni uratsilu. Farm Zh 27:14-9, 1972 (Ukr)
ENGLISH ABSTRACT/ METHYLTHIOURACIL, analysis/ SPECTRUM ANALYSIS/ ULTRAVIOLET RAYS/ *URACIL, analysis

3155. **Rapoport A, Oreopoulos DG, Husdan H:** Calcium infusion in Paget's disease. Lancet 1:1128-9, 19 May 73
BONE AND BONES, metabolism/ *CALCIUM, administration & dosage/ CALCIUM, metabolism/ CALCIUM, therapeutic use/ HUMAN/ INFUSIONS, PARENTERAL/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, metabolism

3156. **Rapp JP:** Age-related pathologic changes, hypertension, and 18-hydroxydeoxycorticosterone in rats selectively bred for high or low juxtaglomerular granularity. Lab Invest 28:343-51, Mar 73
ADENOMA, pathology/ ADRENAL GLAND DISEASES, pathology/ *AGING/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BODY WEIGHT/ FEMALE/ HEART DISEASES, pathology/ *HYDROXYCORTICOSTEROIDS, blood/ *JUXTAGLOMERULAR APPARATUS, physiology/ KETOSTEROIDS, blood/ MALE/ NECROSIS, pathology/ NEPHRITIS, pathology/ ORGAN WEIGHT/ PERIARTERITIS NODOSA, pathology/ PITUITARY NEOPLASMS, pathology/ *PREGNENES, blood/ RATS/ RATS, INBRED STRAINS/ RENIN, analysis

3157. **Rappay G, Gyévai A, Kondics L, et al:** Growth and fine structure of monolayers derived from adult rat adenohypophyseal cell suspensions. In Vitro 8:301-6, Jan-Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIVISION/ CELL MEMBRANE/ CELL NUCLEUS/ CYTOLOGICAL TECHNICS/ CYTOPLASMIC GRANULES/ DNA, biosynthesis/ ENDOPLASMIC RETICULUM/ FEMALE/ HISTOLOGICAL TECHNICS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MITOSIS/ ORGAN CULTURE/ *PITUITARY GLAND, cytology/ RATS/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

3158. **Rappay G, Kondics L, Bácsy Bácsy E:** Intracellular distribution of arylsulphatase activity in adrenal cortical cells of the rat. Histochemie 34:271-4, 1973
*ADRENAL GLANDS, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ GOLGI APPARATUS, enzymology/ LYSOSOMES, enzymology/ MALE/ MICROSCOPY, ELECTRON/ RATS/ *SULFATASES, analysis

3159. **Rasin MS:** Nehatyvna koreliatsiia mizh vmistom noredrenalinu ta vnutriklitynnoho natriiu u sertsi shchuriv pry zminakh obminu kortykosteroidiv.

Fiziol Zh 19:234-7, Mar-Apr 73 (Ukr)
*ADRENAL CORTEX HORMONES, metabolism/ ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ *HEART, analysis/ METYRAPONE, pharmacodynamics/ *NOREPINEPHRINE, analysis/ PREDNISOLONE, pharmacodynamics/ RATS/ *SODIUM, analysis

3160. **Rassaert CL, Richter RS, Brown RE, et al:** Estrogenic profile of 8-azaethynylestradiol.
Steroids Lipids Res 3:185-92, 1972
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ AZA COMPOUNDS, administration & dosage/ AZA COMPOUNDS, pharmacodynamics/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ ORGAN WEIGHT/ PREGNANCY/ *PROGESTATIONAL HORMONES, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ UTERUS, anatomy & histology/ UTERUS, drug effects/ VAGINA, drug effects

3161. **Rastogi RK:** The antiestrogenic effects of the ICI compound 46,474 in the green frog, Rana esculenta L.
Steroids Lipids Res 3:59-64, 1972
ANIMAL EXPERIMENTS/ BASOPHILS, drug effects/ CASTRATION/ DIMETHYLAMINES, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ FROGS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ ORGAN WEIGHT/ OVARY, physiology/ *PHENOLS, pharmacodynamics/ RANA ESCULENTA/ *STILBENES, pharmacodynamics

3162. **Raszeja-Wanic B, Gluszek J, Michalowska D:** Przełom przytarczycowy w pierwotnej nadczynności przytarczyc.
Pol Tyg Lek 28:289-91, 19 Feb 73 (Pol)
CALCIUM, blood/ CONVULSIONS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ MAGNESIUM, blood/ MIDDLE AGE/ PHOSPHATES, blood

3163. **Ratcliffe SG, Keay AJ:** Chromosome studies on 11,000 newborn infants. Arch Dis Child 48:407, May 73
*CHROMOSOME ABNORMALITIES, occurrence/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, occurrence/ MALE/ *MASS SCREENING/ MONGOLISM, occurrence/ TRISOMY

3164. **Ratner AIu, Tabeeva DM:** Sinkopal'nyĭ vertebral'nyĭ sindrom Unterkharshaĭdta (kliniko-reoėnsfalograficheskie paralleli.
Zh Nevropatol Psikhiatr 12:1816-9, 1972 (Rus)
BRAIN STEM/ CEREBROVASCULAR CIRCULATION/ *CERVICAL VERTEBRAE/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS/ ISCHEMIA/ *OSTEOCHONDRITIS, complications/ PLETHYSMOGRAPHY/ RETICULAR FORMATION/ *SYNCOPE, etiology/ VERTEBRAL ARTERY

3165. **Ratten GJ:** Resumption of ovulation after incomplete abortion. Aust NZ J Obstet Gynaecol 12:217-9, Nov 72
ABORTION, pathology/ *ABORTION, physiopathology/ BIOPSY/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ MENSTRUATION/ *OVULATION/ PREGNANCY/ TIME FACTORS

3166. **Ratten GJ, Beischer NA, Fortune DW, et al:** Obstetric complications when the fetus has Potter's syndrome. I. Clinical considerations.
Am J Obstet Gynecol 115:890-6, 1 Apr 73
*ABNORMALITIES, MULTIPLE/ AMNIOTIC FLUID/ *FACIAL EXPRESSION/ FEMALE/ FETAL DEATH, etiology/ HUMAN/ *KIDNEY, abnormalities/ LABOR PRESENTATION/ PLACENTA DISORDERS, etiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, etiology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, etiology/ UMBILICAL CORD/ UTERINE HEMORRHAGE, etiology

3167. **Rauch N, Rauch RJ:** Isozymes of amine oxidase in human plasma and other tissues.
Experientia 29:215-7, 15 Feb 73
ADRENAL GLANDS, enzymology/ BLADDER, enzymology/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ HUMAN/ ISOENZYMES, analysis/ ISOENZYMES, blood/ *ISOENZYMES, isolation & purification/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MOLECULAR WEIGHT/ MONOAMINE OXIDASE, analysis/ MONOAMINE OXIDASE, blood/ *MONOAMINE OXIDASE, isolation & purification/ PROSTATE, enzymology/ SPLEEN, enzymology

3168. **Raven RW:** The role of the surgical oncologist.
Ann R Coll Surg Engl 52:139-47, Mar 73
EDUCATION, MEDICAL, GRADUATE/ ENDOCRINOLOGY/ GREAT BRITAIN/ HUMAN/ IMMUNOTHERAPY/ NEOPLASMS, drug therapy/ NEOPLASMS, immunology/ NEOPLASMS, occurrence/ NEOPLASMS, radiotherapy/ NEOPLASMS, rehabilitation/ *NEOPLASMS, surgery/ NOMENCLATURE/ *SPECIALTIES, MEDICAL/ SURGERY, education

3169. **Ravnskov U:** Uremic polyneuropathic motor paralysis and immobilization hypercalcemia.
Scand J Urol Nephrol 7:63-7, 1973
ADULT/ BONE AND BONES, radiography/ CALCIUM, blood/ CALCIUM METABOLISM DISORDERS, etiology/ CHRONIC DISEASE/ DECALCIFICATION, PATHOLOGIC/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ GLOMERULONEPHRITIS, therapy/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYPERCALCEMIA, etiology/ KIDNEY, POLYCYSTIC, therapy/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ PARALYSIS, complications/ PHOSPHATES, blood/ PYELONEPHRITIS, therapy/ *UREMIA, therapy

3170. **Rawitscher RE, Smith GW, Muller WH Jr:** Experimental canine coronary atherosclerosis.
Ann Surg 177:357-61, Mar 73
ANIMAL EXPERIMENTS/ AORTA, THORACIC, pathology/ ARTERIES, pathology/ ARTERIOSCLEROSIS/ CHOLESTEROL, DIETARY/ *CORONARY DISEASE/ CORONARY DISEASE, pathology/ CORONARY VESSELS, pathology/ *DISEASE MODELS, ANIMAL/ DOGS/ ELASTIC TISSUE, pathology/ *HYPERCHOLESTEREMIA, complications/ LIPIDS, metabolism/ MUCOPOLYSACCHARIDES, metabolism/ RADIATION DOSAGE/ *RADIATION INJURIES, EXPERIMENTAL, complications/ THYROID GLAND, physiology

3171. **Rayport M, Rayport SG:** Effect of skull rotation on X-ray evidence of displaced midline structures.
J Neurosurg 38:180-8, Feb 73
*BRAIN DISEASES, radiography/ *BRAIN NEOPLASMS, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBROVASCULAR CIRCULATION/ *CRANIAL SINUSES, radiography/ HUMAN/ *PINEAL BODY, radiography/ ROTATION/ *SKULL, radiography/ TECHNOLOGY, RADIOLOGIC

3172. **Ras A:** Interaction of prostaglandins with blood plasma proteins. 3. Rate of disappearance and metabolites formation after intravenous administration of free or albumin-bound prostaglandins F 2 and A 2
Life Sci [II] 11:965-74, 8 Oct 72
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, THIN

LAYER/ HALF-LIFE/ INJECTIONS, INTRAVENOUS/ KETONES, blood/ KINETICS/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, blood/ PROTEIN BINDING/ RATS/ *SERUM ALBUMIN, metabolism/ TIME FACTORS/ TRITIUM

3173. **Rafný E:** Příspěvek k diferenciální diagnostice vaječníkových nádorů.
Cesk Gynekol 38:164-5, Apr 73 (Cze)
ABDOMEN, ACUTE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ TORSION, diagnosis/ UTERINE DISEASES, diagnosis

3174. **Rebière A, Legrand J:** Effets comparés de la sous-alimentation, de l'hypothyroïdisme et de l'hyperthyroïdisme sur la maturation histologique de la zone moléculaire du cortex cérébelleux chez le jeune rat.
Arch Anat Microsc Morphol Exp 61:105-26, Apr-Jun 72 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ CELL DIFFERENTIATION/ *CEREBELLAR CORTEX, growth & development/ DENDRITES/ ENGLISH ABSTRACT/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, physiopathology/ MORPHOGENESIS/ *PURKINJE CELLS/ RATS/ SOMATOTROPIN, pharmacodynamics/ *STARVATION/ THYROID HORMONES, physiology

3175. **Rebound S, Pageaut G:** Co-carcinogenic effect of progesterone on 20-methylcholanthrene induced cervical carcinoma in mice. Nature 241:398-9, 9 Feb 73
ANIMAL EXPERIMENTS/ CARCINOMA, pathology/ *CARCINOMA, EPIDERMOID, chemically induced/ CARCINOMA, EPIDERMOID, pathology/ *CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, pathology/ DELAYED-ACTION PREPARATIONS/ DRUG SYNERGISM/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *METHYLCHOLANTHRENE/ MICE/ MICE, INBRED C57BL/ MUCUS, secretion/ PROGESTERONE, administration & dosage/ *PROGESTERONE, adverse effects/ PROGESTERONE, pharmacodynamics

3176. **Redding TW, Kastin AJ, Nair RM, et al:** Distribution, half-life, and excretion of 14 C- and 3 H-labeled L-prolyl-L-leucyl-glycinamide in the rat.
Neuroendocrinology 11:92-100, 1973
ADRENAL GLANDS, metabolism/ *AMIDES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ GLYCINE/ HALF-LIFE/ *HYPOTHALAMUS, physiology/ KIDNEY, metabolism/ LEUCINE/ LIVER, metabolism/ *MSH, antagonists & inhibitors/ MUSCLES, metabolism/ *PINEAL BODY, metabolism/ PINEAL BODY, physiology/ PITUITARY GLAND, metabolism/ PLASMA VOLUME/ PROLINE/ RATS/ TRITIUM

3177. **Redding TW, Schally AV:** The distribution, half-life, and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in rats.
Life Sci [I] 12:23-32, 3 Jan 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ HALF-LIFE/ HYPOTHALAMUS, metabolism/ KIDNEY, metabolism/ *LH/ LIVER, metabolism/ MUSCLES, metabolism/ PINEAL BODY, metabolism/ PITUITARY GLAND, metabolism/ PITUITARY HORMONE RELEASING FACTORS, blood/ PITUITARY HORMONE RELEASING FACTORS, isolation & purification/ *PITUITARY HORMONE RELEASING FACTORS, metabolism/ PITUITARY HORMONE RELEASING FACTORS, urine/ RATS/ TRITIUM

3178. **Reddy SB, Linden WA, Baigent C:** The combined action of thiourea and endogenous anoxia against x-ray induced cellular damage.
Strahlentherapie 145:453-5, Apr 73
ANOXIA/ CHROMOSOMES, drug effects/ *CHROMOSOMES, radiation effects/ MITOSIS, drug effects/ MITOSIS, radiation effects/ OXYGEN, metabolism/ *OXYGEN, pharmacodynamics/ PLANTS/ *RADIATION EFFECTS/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ TEMPERATURE/ *THIOUREA, pharmacodynamics

3179. **Reddy SS, Reddy CR, Venkataratnam G, et al:** Two cases of medullary carcinoma of thyroid.
Indian J Cancer 9:328-32, Dec 72
ADOLESCENCE/ *CARCINOMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MIDDLE AGE/ *THYROID NEOPLASMS, pathology

3180. **Redman JF:** Noonan's syndrome and cryptorchidism.
J Urol 109:909-11, May 73
ADOLESCENCE/ BONNEVIE-ULLRICH SYNDROME, complications/ *BONNEVIE-ULLRICH SYNDROME, diagnosis/ BONNEVIE-ULLRICH SYNDROME, familial & genetic/ CHILD/ *CRYPTORCHISM, etiology/ HUMAN/ KARYOTYPING/ MALE/ PHENOTYPE/ *TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, familial & genetic

3181. **Rees LH, Ratcliffe JG, Besser GM, et al:** Comparison of the redox assay for ACTH with previous assays.
Nature [New Biol] 241:84-5, 17 Jan 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ METHODS/ ORGAN CULTURE/ *RADIOIMMUNOASSAY

3182. **Reeve EB, Chen Y:** Studies with a mass balance method of measuring fibrinogen synthesis.
Ciba Found Symp 9:91-111, 1972
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COMPUTERS, DIGITAL/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVALUATION STUDIES/ *FIBRINOGEN, biosynthesis/ FIBRINOGEN, metabolism/ FIBRINOGEN, secretion/ HORMONES, analysis/ IODINE ISOTOPES/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, secretion/ MATHEMATICS/ PROTEINS, metabolism/ RABBITS/ RADIOISOTOPE DILUTION TECHNIC/ SECRETORY RATE/ TIME FACTORS/ TYPHOID-PARATYPHOID VACCINES, pharmacodynamics

3183. **Regoli D, Park WK, Rioux F:** II. Pharmacology of angiotensin antagonists.
Can J Physiol Pharmacol 51:114-21, Feb 73
*ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPARAGINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLYCINE, pharmacodynamics/ IN VITRO/ ISOLEUCINE, pharmacodynamics/ LEUCINE, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SARCOSINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *STOMACH, drug effects

3184. **Reichert LE Jr, Wilhelmi AE:** A summary of the biological activities of the various iota of pituitary hormones produced under the programs of the National Institute of Arthritis, Metabolism and Digestive Diseases. Endocrinology 92:1301-4, May 73
CATTLE/ *FSH, standards/ *LH, standards/ *PROLACTIN, standards/ SHEEP/ *SOMATOTROPIN, standards/ SWINE/

*THYROTROPIN, standards/ UNITED STATES NATIONAL INSTITUTES OF HEALTH

3185. **Reid LD, Hunsicker JP, Kent EW, et al:** Incidence and magnitude of the "priming effect" in self-stimulating rats. J Comp Physiol Psychol 82:286-93, Feb 73
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *EXTINCTION (PSYCHOLOGY)/ HOUSING, ANIMAL/ *HYPOTHALAMUS, physiology/ LOCOMOTION/ MALE/ RATS/ *REINFORCEMENT SCHEDULE/ REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNICS

3186. **Reilly JA, Johnson PM:** Rapid skeletal imaging using 18 F and a diverging collimator.
Radiology 107:373-5, May 73
*BONE AND BONES/ *FLUORINE/ HUMAN/ METHODS/ *RADIOISOTOPE SCANNING

3187. **Reinberg A:** Thérapeutique et rythmes circadiens. Chronothérapeutique.
Rev Prat 22:4627-38, 21 Dec 72 (Fre)
ADRENAL CORTEX HORMONES, administration & dosage/ BIOLOGICAL CLOCKS/ CIRCADIAN RHYTHM/ HYDROCORTISONE, blood/ METHODS/ SPECIAL LIST FOREIGN/ THERAPEUTICS

3188. **Reinhardt K:** Kopfschmerzen, verursacht durch Schilddrüsenzysten. Therapie und Kontrastmitteldarstellung durch Punktion.
Med Welt 24:528-30, 6 Apr 73 (Ger)
*CYSTS, complications/ CYSTS, radiography/ FEMALE/ *HEADACHE, etiology/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PUNCTURES/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, complications/ THYROID DISEASES, diagnosis/ THYROID DISEASES, radiography

3189. **Reinius S, Fritz GR, Knobil E:** Ultrastructure and endocrinological correlates of an early implantation site in the rhesus monkey.
J Reprod Fertil 32:171-3, Jan 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CELL NUCLEUS/ EPITHELIAL CELLS/ ESTROGENS, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ LH, blood/ MACACA/ MICROSCOPY, ELECTRON/ MONKEYS/ *NIDATION/ *OVUM, cytology/ PREGNANCY/ PROGESTERONE, blood/ TROPHOBLAST

3190. **Reinken L, Dapunt O, Kammerlander H:** Vitamin-B 6 -Verarmung bei Einnahme oraler Contraceptiva.
Int J Vitam Nutr Res 43:20-7, 1973 (Ger)
ADULT/ ASPARTATE AMINOTRANSFERASE, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DERMATITIS, complications/ DERMATITIS, enzymology/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, enzymology/ FEMALE/ HUMAN/ ISONICOTINIC ACID, urine/ MOUTH DISEASES, enzymology/ MOUTH DISEASES, etiology/ ORAL MANIFESTATIONS/ PYRIDOXAL PHOSPHATE, pharmacodynamics/ PYRIDOXINE, metabolism/ PYRIDOXINE DEFICIENCY, chemically induced/ PYRIDOXINE DEFICIENCY, complications/ PYRIDOXINE DEFICIENCY, enzymology/ *PYRIDOXINE DEFICIENCY, etiology

3191. **Reiter RJ, Blask DE, Talbot JA, et al:** Nature and the time course of seizures associated with surgical removal of the pineal gland from parathyroidectomized rats.
Exp Neurol 38:386-97, Mar 73
ANIMAL EXPERIMENTS/ CHLORDIAZEPOXIDE, therapeutic use/ CHLORPROMAZINE, therapeutic use/ CONVULSIONS, drug therapy/ *CONVULSIONS, etiology/ CONVULSIONS, mortality/ DIAZEPAM, therapeutic use/ DIPHENYLHYDANTOIN, therapeutic use/ HALOPERIDOL, therapeutic use/ MALE/ *PARATHYROID GLANDS, surgery/ *PINEAL BODY, surgery/ RATS/ TIME FACTORS

3192. **Reiter RJ, Morgan WW, Talbot JA:** Seizures in rats induced by pinealectomy: influence of diazepam, chlordiazepoxide, diphenylhydantoin and pineal substances.
Arch Int Pharmacodyn Ther 202:219-30, Apr 73
ANIMAL EXPERIMENTS/ CALCIUM, therapeutic use/ *CHLORDIAZEPOXIDE, therapeutic use/ *CONVULSIONS, drug therapy/ CONVULSIONS, etiology/ *DIAZEPAM, therapeutic use/ *DIPHENYLHYDANTOIN, therapeutic use/ GLUCONATES, therapeutic use/ INDOLES, therapeutic use/ MALE/ *MELATONIN, therapeutic use/ PARATHYROID GLANDS, physiology/ PENTOBARBITAL, therapeutic use/ *PINEAL BODY, physiology/ *PYRIDINES, therapeutic use/ RATS/ TIME FACTORS/ *TISSUE EXTRACTS, therapeutic use

3193. **Rekant SI, Becker LE:** Auto-immune annular erythema. A variant of lupus erythematosus?
Arch Dermatol 107:424-6, Mar 73
ANTINUCLEAR FACTORS, analysis/ *AUTOIMMUNE DISEASES, pathology/ BIOPSY/ BLOOD PROTEIN ELECTROPHORESIS/ COMPLEMENT FIXATION TESTS/ DNA, metabolism/ ELECTROPHORESIS/ *ERYTHEMA, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYDROCHLOROTHIAZIDE, adverse effects/ HYDROXYCHLOROQUINE, therapeutic use/ IMMUNOGLOBULINS, analysis/ LATEX FIXATION TESTS/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, metabolism/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MIDDLE AGE/ THYROID HORMONES, adverse effects

3194. **Relkin R, Fok WY, Schneck L:** Pinealectomy and brain myelination. Endocrinology 92:1426-8, May 73
ANIMAL EXPERIMENTS/ BRAIN, anatomy & histology/ *BRAIN CHEMISTRY/ CEPHALINS, analysis/ CEREBROSIDES, analysis/ CHOLESTEROL, analysis/ FEMALE/ LECITHINS, analysis/ LIPIDS, analysis/ LIPOPROTEINS, analysis/ MALE/ NEURAMINIC ACIDS, analysis/ ORGAN WEIGHT/ PHOSPHOINOSITIDES, analysis/ PHOSPHOLIPIDS, analysis/ *PINEAL BODY, physiology/ RATS/ RATS, INBRED STRAINS/ SPHINGOMYELINS, analysis/ SULFATIDES, analysis

3195. **Renauld A, Sverdlik RC:** Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs.
Acta Physiol Lat Am 22:251-7, 1972
ANIMAL EXPERIMENTS/ *BLOOD SUGAR/ BODY WEIGHT, drug effects/ CHOLESTEROL, blood/ DOGS/ FATTY ACIDS, NONESTERIFIED, blood/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ INSULIN, blood/ *INSULIN, secretion/ THYROIDECTOMY/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics

3196. **Rencoret R, Aste H:** Jaundice during pregnancy.
Med J Aust 1:167-9, 27 Jan 73
ADULT/ BIRTH WEIGHT/ CHOLELITHIASIS, diagnosis/ CHOLESTASIS, chemically induced/ CHOLESTASIS, diagnosis/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FETAL DEATH, occurrence/ HUMAN/ INFANT, NEWBORN/ *JAUNDICE/ LABOR, PREMATURE, occurrence/ LIVER FUNCTION TESTS/ PARITY/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PRURITUS, occurrence/ RECURRENCE/ RESPIRATORY DISTRESS SYNDROME, mortality

3197. **Renier JC, Boasson M, Jaliet P:** Un cas d'ostéomalacie hypophosphorémique vitamino-résistante de l'adulte: effet de la thyrocalcitonine et évolution sous traitement vitamino-phosphoré.
Rhumatologie 24:247-56, Aug-Sep 72 **(Fre)**
BONE RESORPTION/ DIAGNOSIS, DIFFERENTIAL/ *ERGOCALCIFEROL, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOMALACIA, diagnosis/ *OSTEOMALACIA, drug therapy/ OSTEOMALACIA, pathology/ PHOSPHORUS, blood/ *PHOSPHORUS, therapeutic use/ *THYROCALCITONIN, administration & dosage

3198. **Rennie P, Bruchovsky N:** Studies on the relationship between androgen receptors and the transport of androgens in rat prostate.
J Biol Chem 248:3288-97, 10 May 73
*ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CASTRATION/ CELL FRACTIONATION/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ GASTRECTOMY/ GASTROINTESTINAL SYSTEM, physiology/ GEL FILTRATION/ HEPATECTOMY/ LIVER, physiology/ MALE/ NUCLEIC ACIDS, metabolism/ *PROSTATE, metabolism/ RATS/ *RECEPTORS, HORMONE/ TESTIS, cytology/ TESTIS, cytology/ TESTIS, cytology/ TESTIS, physiology/ TESTIS, physiology/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM

3199. **Resnick MI, Walvoord DJ, Bulkley GJ:** Testicular tumor presenting as inferior vena caval thrombosis.
J Urol 109:656-8, Apr 73
ADULT/ AUTOPSY/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ LUNG NEOPLASMS, radiography/ MALE/ NEOPLASM METASTASIS/ *TERATOID TUMOR, diagnosis/ TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ *THROMBOPHLEBITIS, diagnosis/ UROGRAPHY/ *VENA CAVA, INFERIOR

3200. **Reuser AJ, Postma PW:** The induction of translocators for di- and tricarboxylic-acid anions in Azotobacter vinelandii. Eur J Biochem 33:584-92, 15 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AZOTOBACTER, drug effects/ *AZOTOBACTER, enzymology/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARBOXY-LYASES, biosynthesis/ COENZYME A/ COENZYME A SYNTHETASES, biosynthesis/ *DICARBOXYLIC ACIDS, metabolism/ ENZYME INDUCTION, drug effects/ ENZYME REPRESSION, drug effects/ GLUCOSE, pharmacodynamics/ KINETICS/ KREBS CYCLE/ MAGNESIUM/ MALATE DEHYDROGENASE, metabolism/ MALATES, pharmacodynamics/ MALONATES/ OXALOACETATES/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ TARTRATES, pharmacodynamics/ *TRICARBOXYLIC ACIDS, metabolism

3201. **Reuter H, Blaustein MP, Haeusler G:** Na-Ca exchange and tension development in arterial smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:87-94, 15 Mar 73
ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, metabolism/ AORTA, physiology/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHOLINE, pharmacodynamics/ IN VITRO/ KINETICS/ LITHIUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ PULMONARY ARTERY, physiology/ RABBITS/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ SUCROSE, pharmacodynamics

3202. **Revaz C:** Prostaglandines et physiologie de la reproduction.
Rev Med Suisse Romande 92:797-806, Oct 72 **(Fre)**
ABORTION, INDUCED/ CONTRACEPTION/ FEMALE/ HUMAN/ LABOR, drug effects/ LABOR, INDUCED/ MALE/ MENSTRUATION, drug effects/ PREGNANCY, drug effects/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ *REPRODUCTION/ STERILITY, MALE

3203. **Revillard JP, Robert M, DuPont E, et al:** Inhibition of mixed lymphocyte culture by alloantibodies in renal transplantation and in pregnancy.
Transplant Proc 5:331-5, Mar 73
ANTIBODIES, analysis/ AZATHIOPRINE, therapeutic use/ FEMALE/ HISTOCOMPATIBILITY/ HUMAN/ IMMUNOSUPPRESSION/ *ISOANTIBODIES/ *KIDNEY, transplantation/ *LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTES, immunology/ MALE/ PARITY/ PREDNISONE, therapeutic use/ *PREGNANCY/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3204. **Reynaert R, Paepe M de, Peeters G:** Influence of suckling on the bovine growth hormone levels in the blood of lactating cow.
Ann Endocrinol (Paris) 33:541-3, Sep-Oct 72 **(Fre)**
ANIMAL EXPERIMENTS/ BREAST FEEDING/ CATTLE/ ENGLISH ABSTRACT/ FEMALE/ *LACTATION/ MAMMAE, physiology/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

3205. **Reynhout JK, Smith LD:** Evidence for steroid metabolism during the in vitro induction of maturation in oocytes of Rana pipiens.
Dev Biol 30:392-402, Feb 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DESOXYCORTICOSTERONE, metabolism/ ESTRADIOL, metabolism/ FEMALE/ FROGS/ OVUM, drug effects/ OVUM, growth & development/ *OVUM, metabolism/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ *RANA PIPIENS, embryology/ TRITIUM

3206. **Reynier J:** Le traitement chirurgical de l'hyperthyroidie. Can Med 13:1251-6, 30 Dec 72 **(Fre)**
ARRHYTHMIA, therapy/ CARDIOVASCULAR DISEASES, etiology/ FEMALE/ GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, surgery/ MALE/ METHODS/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ PROGNOSIS/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

3207. **Reynolds JJ, Murphy H, Mühlbauer RC, et al:** Inhibition by diphosphonates of bone resorption in mice and comparison with grey-lethal osteopetrosis.
Calcif Tissue Res 12:59-71, 1973
ANIMAL EXPERIMENTS/ BONE DEVELOPMENT, drug effects/ *BONE RESORPTION, drug effects/ CALCIUM, blood/ INCISOR/ MICE/ OSTEOPETROSIS, physiopathology/ *PHOSPHONIC ACIDS, pharmacodynamics/ TOOTH ERUPTION, drug effects

3208. **Reynolds JW:** Serum total corticoid and cortisol levels in premature infants with respiratory distress syndrome. Pediatrics 51:884-90, May 73
*ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, physiopathology/ ADRENAL GLANDS, secretion/ CARBON DIOXIDE, blood/ CHROMATOGRAPHY/ *CORTICOTROPIN, blood/ HUMAN/ *HYALINE MEMBRANE DISEASE, blood/ *HYDROCORTISONE, blood/ INFANT, NEWBORN/ OXYGEN, blood/ PROTEIN BINDING/ *RESPIRATORY DISTRESS SYNDROME, blood/ RESPIRATORY DISTRESS SYNDROME, physiopathology

3209. **Reynolds RD, Reutter W:** Inhibition of induction of rat liver tyrosine aminotransferase by D-galactosamine.

J Biol Chem 248:1562-7, 10 Mar 73
ACETIC ACIDS, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *GALACTOSAMINE, pharmacodynamics/ GALACTOSE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOSAMINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HEXOSAMINES, metabolism/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ LIVER, physiology/ MALE/ RATS/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ URACIL NUCLEOTIDES, metabolism/ *URACIL NUCLEOTIDES, physiology/ URIDINE, pharmacodynamics/ URIDINE DIPHOSPHATE SUGARS, metabolism

3210. **Rhone DP, Mizuno FM:** Profiles of alkaline phosphatase isoenzymes in serum using cellulose acetate electrophoresis and organ-specific inhibitors.
Am J Clin Pathol 59:531-41, Apr 73
ABO FACTORS/ ACETATES/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ *ALKALINE PHOSPHATASE, blood/ BILIARY TRACT DISEASES, enzymology/ BILIRUBIN, blood/ BONE AND BONES, enzymology/ CELLULOSE/ *ELECTROPHORESIS/ ENZYME REPRESSION/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ *ISOENZYMES, blood/ LIVER, enzymology/ LIVER DISEASES, enzymology/ MALE/ PARITY/ PHENYLALANINE/ PLACENTA, enzymology/ PREGNANCY/ UREA

3211. **Riccabona G, Fill H, Bauer H:** Isotopenuntersuchung bei kindlichen Tumoren.
Paediatr Paedol 8:125-34, 1973 (Ger)
ADOLESCENCE/ AGE FACTORS/ ASTROCYTOMA, diagnosis/ BRAIN NEOPLASMS, diagnosis/ CHILD/ FEMALE/ GALLIUM, diagnostic use/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ KIDNEY NEOPLASMS, diagnosis/ LEUKEMIA, diagnosis/ LIVER NEOPLASMS, diagnosis/ LYMPHOSARCOMA, diagnosis/ MALE/ METHODS/ *NEOPLASMS, diagnosis/ NEPHROBLASTOMA, diagnosis/ NEUROBLASTOMA, diagnosis/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ TECHNETIUM, diagnostic use/ THYROID NEOPLASMS, diagnosis

3212. **Ricciuti F, Ruddle FH:** Assignment of nucleoside phosphorylase to D-14 and localization of X-linked loci in man by somatic cell genetics.
Nature [New Biol] 241:180-2, 7 Feb 73
CHROMOSOME ABERRATIONS/ *CHROMOSOME MAPPING/ *CHROMOSOMES, HUMAN, 13-15/ CLONE CELLS/ ELECTROPHORESIS, STARCH GEL/ *GENES, STRUCTURAL/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ GUANINE/ HUMAN/ HYBRID CELLS/ HYPOXANTHINES/ *LINKAGE (GENETICS)/ MICE/ NUCLEOSIDES/ *PENTOSYLTRANSFERASES/ PENTOSYLTRANSFERASES, biosynthesis/ PHOSPHOGLYCERATE KINASE, biosynthesis/ *SEX CHROMOSOMES/ TRANSFERASES, analysis

3213. **Richardson MC, Schulster D:** Corticosteroidogenesis in isolated adrenal cells: effect of adrenocorticotrophic hormone, adenosine 3',5'-monophosphate and 1-24 adrenocorticotrophic hormone diazotized to polyacrylamide. J Endocrinol 55:127-39, Oct 72
ACRYLAMIDES, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CLOSTRIDIOPEPTIDASE A/ *CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ DIAZONIUM COMPOUNDS, pharmacodynamics/ FEMALE/ IN VITRO/ KINETICS/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ RATS/ STIMULATION, CHEMICAL

3214. **Richelson E:** Stimulation of tyrosine hydroxylase activity in an adrenergic clone of mouse neuroblastoma by dibutyryl cyclic AMP.
Nature [New Biol] 242:175-7, 11 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL DIVISION/ CLONE CELLS/ MICE/ *NEUROBLASTOMA, enzymology/ PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ *SYMPATHETIC NERVOUS SYSTEM, enzymology/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ *TYROSINE HYDROXYLASE, metabolism

3215. **Richmond PA, Hood LF:** Tissue culture method for bovine mammary tissue: lactose synthesis.
J Dairy Sci 56:611-4, May 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CATTLE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CULTURE MEDIA/ FEMALE/ GALACTOSE, metabolism/ GLUCOSE, metabolism/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ LACTATION/ *LACTOSE, biosynthesis/ LACTOSE, isolation & purification/ *MAMMAE, metabolism/ METHODS/ PROLACTIN, pharmacodynamics/ TISSUE CULTURE

3216. **Richoux JP, Buriet C, Legait E:** Etude morphologique et enzymologique de l'ovaire au cours du cycle annuel chez le lérot (Eliomys quercinus L.
C R Soc Biol (Paris) 166:1081-3, 1972 (Fre)
ANIMAL EXPERIMENTS/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ *HIBERNATION/ HYDROXYSTEROID DEHYDROGENASE, analysis/ OVARY, anatomy & histology/ OVARY, enzymology/ *OVARY, physiology/ *RODENTS, physiology/ SEX BEHAVIOR, ANIMAL/ TEMPERATURE

3217. **Richter D:** Competition between the elongation factors 1 and 2, and phenylalanyl transfer ribonucleic acid for the ribosomal binding sites in a polypeptide-synthesizing system from brain.
J Biol Chem 248:2853-7, 25 Apr 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CARBON ISOTOPES/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, metabolism/ MAGNESIUM/ *PEPTIDE ELONGATION FACTORS/ PEPTIDE ELONGATION FACTORS, isolation & purification/ *PEPTIDES, biosynthesis/ PHENYLALANINE/ PROTEIN BINDING/ RIBOSOMES, metabolism/ *RNA, TRANSFER, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ SWINE/ TRITIUM

3218. **Richter ME:** Use of a microtome-cryostat for precision cutting of serial sections of paraffin-embedded tissues. Stain Technol 48:97-8, Mar 73
*ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ HUMAN/ METHODS/ *MICROTOMY/ MONKEYS/ PARAFFIN/ RATS

3219. **Riddell V:** The recurrent laryngeal nerve and thyroidectomy. Lancet 813:1190, 23 May 73
ELECTRIC STIMULATION/ HUMAN/ *LARYNGEAL NERVES, physiology/ *THYROIDECTOMY/ VOCAL CORDS, physiology

3220. **Ridler MA, Lax R, Mitchell MJ, et al:** An adult male with XYYY sex chromosomes. Clin Genet 4:69-77, 1973
ADOLESCENCE/ ADULT/ *ANEUPLOIDY/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ DERMATOGLYPHICS/ HUMAN/ INTELLIGENCE/ KARYOTYPING/ MALE/ MOUTH MUCOSA, cytology/ MYOPIA/ PERSONALITY DISORDERS/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOMES/ SYNDROME

3221. **Riechert T, Krainick JU:** Erfahrungen mit einem neuen kombiniert offen-stereotaktischen transsphenoidalen Operationsverfahren bei Hypophysengeschwülsten.
Dtsch Med Wochenschr 98:646-9, 20 Mar 73 (Ger)
ADENOMA, CHROMOPHOBE, surgery/ ADENOMA, EOSINOPHILIC, surgery/ ADULT/ AGE FACTORS/ AGED/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, surgery/ SPHENOID BONE, surgery/ *STEREOTAXIC TECHNICS/ VISION DISORDERS, etiology

3222. **Riegle GD:** Chronic stress effects on adrenocortical responsiveness in young and aged rats.
Neuroendocrinology 11:1-10, 1973
*ADRENAL GLANDS, physiopathology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ FEEDBACK/ FEMALE/ HYPOTHALAMUS, physiopathology/ IMMOBILIZATION/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ RATS/ SEX FACTORS/ *STRESS, physiopathology

3223. **Rifkind AB, Gillette PN, Song CS, et al:** Drug stimulation of -aminolevulinic acid synthetase and cytochrome P-450 in vivo in chick embryo liver.
J Pharmacol Exp Ther 185:214-25, May 73
AGE FACTORS/ AMINOGLUTETHIMIDE, pharmacodynamics/ *AMINOLEVULINIC ACID SYNTHETASE, metabolism/ AMINOPYRINE N-DEMETHYLASE, metabolism/ ANALEPTICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTICONVULSANTS, administration & dosage/ ANTICONVULSANTS, pharmacodynamics/ CHICK EMBRYO/ CYCLOHEXIMIDE, pharmacodynamics/ *CYTOCHROME P-450, metabolism/ DDD, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ *LIVER, enzymology/ METYRAPONE, pharmacodynamics/ PROADIFEN, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRANQUILIZING AGENTS, pharmacodynamics

3224. **Rimmer DM:** Changes in the collagen of the uterine cervix of the mouse during the oestrous cycle.
J Endocrinol 55:213-4, Oct 72
ANIMAL EXPERIMENTS/ CERVIX UTERI, anatomy & histology/ *CERVIX UTERI, metabolism/ *COLLAGEN, metabolism/ *ESTRUS/ FEMALE/ MICE/ ORGAN WEIGHT/ WATER, metabolism

3225. **Rinard GA:** Effects of estrogen and progesterone on acute activation of uterine phosphorylase.
Biochim Biophys Acta 286:416-25, 29 Dec 72
ANIMAL EXPERIMENTS/ CASTRATION/ EDTA/ *ESTROGENS, pharmacodynamics/ FEMALE/ FREEZING/ GLYCOGEN PHOSPHORYLASE, isolation & purification/ *GLYCOGEN PHOSPHORYLASE, metabolism/ NITROGEN/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ *UTERUS, enzymology

3226. **Ringler DH, Abrams GD:** Gynecomastia and galactorrhea in a male rhesus monkey (Macaca mulatta) with spontaneous metastatic carcinoma.
J Med Primatol 1:309-17, 1972
ADRENAL GLAND NEOPLASMS, pathology/ ANIMAL EXPERIMENTS/ CARCINOMA, pathology/ *CARCINOMA, veterinary/ GYNECOMASTIA, complications/ GYNECOMASTIA, pathology/ *GYNECOMASTIA, veterinary/ KIDNEY NEOPLASMS, veterinary/ LACTATION DISORDERS, complications/ LACTATION DISORDERS, pathology/ *LACTATION DISORDERS, veterinary/ LIVER NEOPLASMS, pathology/ LIVER NEOPLASMS, veterinary/ MACACA/ MALE/ *MONKEY DISEASES/ MONKEY DISEASES, pathology/ MONKEYS/ *NEOPLASM METASTASIS, veterinary/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ PANCREATIC NEOPLASMS, pathology/ PANCREATIC NEOPLASMS, veterinary

3227. **Rioux F, Park WK, Regoli D:** I. Pharmacology of angiotensin antagonists.
Can J Physiol Pharmacol 51:108-13, Feb 73
ACETAMIDES, pharmacodynamics/ *ANGIOTENSIN, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ BUTYRATES, pharmacodynamics/ GUANCYDINE, pharmacodynamics/ *GUANIDINES, pharmacodynamics/ IN VITRO/ ISOLEUCINE, pharmacodynamics/ KINETICS/ LEUCINE, pharmacodynamics/ MALE/ *PIPERAZINES, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ *STOMACH, drug effects/ VALINE, pharmacodynamics/ *VASODILATOR AGENTS, pharmacodynamics/ XYLENE, pharmacodynamics

3228. **Rioux JE:** Operative laparoscopy.
J Reprod Med 10:249-55, May 73
BIOPSY/ CAUTERY/ ENDOMETRIUM, surgery/ FEMALE/ *GYNECOLOGIC DISEASES, surgery/ HUMAN/ *LAPAROSCOPY/ METHODS/ OVARY, surgery/ PALPATION/ STERILIZATION, SEXUAL/ UTERUS, surgery

3229. **Ripoll P, Garcia-Bellido A:** Cell autonomous lethals in Drosophila melanogaster.
Nature [New Biol] 241:15-6, 3 Jan 73
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ CELL SURVIVAL/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER, cytology/ *GENES, LETHAL/ GENOTYPE/ LARVA, cytology/ MITOSIS/ MOSAICISM/ *MUTATION/ PUPA, cytology/ RADIATION GENETICS/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES

3230. **Rippel RH, Johnson ES, White WF:** Ovulation and serum luteinizing hormone in the cycling rat following administration of gonadotropin releasing hormone.
Proc Soc Exp Biol Med 143:55-8, May 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LH, blood/ LH, pharmacodynamics/ *OVULATION, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, blood/ RADIOIMMUNOASSAY/ RATS/ RATS, INBRED STRAINS/ *SOMATOTROPIN, blood

3231. **Rish BL, Caveness WF:** Relation of prophylactic medication to the occurrence of early seizures following craniocerebral trauma.
J Neurosurg 38:155-8, Feb 73
BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN EDEMA, prevention & control/ BRAIN INJURIES, ACUTE, complications/ *BRAIN INJURIES, ACUTE, drug therapy/ DEXAMETHASONE, therapeutic use/ *DIPHENYLHYDANTOIN, therapeutic use/ EPILEPSY, TRAUMATIC, drug therapy/ EPILEPSY, TRAUMATIC, etiology/ *EPILEPSY, TRAUMATIC, prevention & control/ HUMAN/ *MILITARY MEDICINE/ PHENOBARBITAL, therapeutic use/ PROGNOSIS/ UNITED STATES/ VIETNAM

3232. **Ritz E, Andrassy K, Krempien B, et al:** Pathophysiologische Probleme der Osteopathie bei Langzeit-Hämodialyse.
Med Welt 24:517-22, 6 Apr 73 (Ger)
ALUMINUM HYDROXIDE GEL, therapeutic use/ CALCIUM, therapeutic use/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, etiology/ LONG TERM CARE/ *OSTEOMALACIA, etiology/ OSTEOMALACIA, prevention & control/ PARATHYROID HORMONE, blood/ THYROCALCITONIN, blood/ VITAMIN D, metabolism/ VITAMIN D, therapeutic use

3233. **Ritz E, Malluche HH, Röher HD, et al:** Aktuelle Probleme der subtotalen Parathyreoidektomie bei Hämodialysepatienten.
Dtsch Med Wochenschr 98:484-96, 9 Mar 73 (Ger)
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, surgery/ MALE/ METHODS/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, blood/ OSTEITIS FIBROSA CYSTICA, diagnosis/ OSTEITIS FIBROSA CYSTICA, drug therapy/ *OSTEITIS FIBROSA CYSTICA, surgery/ PARATHYROID GLANDS, physiopathology/ POSTOPERATIVE CARE/ VITAMIN D, therapeutic use

3234. **Ritzén EM, Dobbins MC, Tindall DJ, et al:** Characterization of an androgen binding protein (ABP) in rat testis and epididymis.
Steroids 21:593-608, Apr 73
*ANDROGENS, analysis/ ANDROSTENES, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CHEMISTRY, ANALYTICAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *EPIDIDYMIS, analysis/ ESTRADIOL, analysis/ GEL FILTRATION/ HYDROCORTISONE, analysis/ MALE/ MOLECULAR WEIGHT/ PROGESTERONE, analysis/ *PROTEIN BINDING/ RATS/ *TESTIS, analysis/ TESTOSTERONE, analysis/ TRITIUM

3235. **Rivier C, Vale W, Guillemin R:** An in vivo corticotropin-releasing factor (CRF) assay based on plasma levels of radioimmunoassayable ACTH.
Proc Soc Exp Biol Med 142:842-5, Mar 73
ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, blood/ *CORTICOTROPIN RELEASING FACTOR, analysis/ ETHYL ETHER/ HYPOTHALAMUS, analysis/ LYSINE/ MALE/ RADIOIMMUNOASSAY/ RATS/ STRESS, blood/ TISSUE EXTRACTS, analysis/ TISSUE EXTRACTS, pharmacodynamics/ VASOPRESSIN, analysis/ VASOPRESSIN, pharmacodynamics

3236. **Riviere J:** Le traitement isotopique de l'hyperthyroidie. Cah Med 13:1243-9, 30 Dec 72 (Fre)
FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, prevention & control/ *IODINE ISOTOPES, administration & dosage/ IODINE ISOTOPES, adverse effects/ MALE/ METHODS/ PREGNANCY/ PROGNOSIS/ RADIATION INJURIES/ RADIOTHERAPY DOSAGE/ THYROID ANTAGONISTS, therapeutic use/ THYROID NEOPLASMS, prevention & control

3237. **Rivière J, Latapie JL:** La maladie de Basedow. Aperçu physiopathologique. Bord Med 5:2309-10, Nov 72 (Fre)
*GOITER, EXOPHTHALMIC/ HUMAN

3238. **Roach MK, Davis DL, Pennington W, et al:** Effect of ethanol on the uptake by rat brain synaptosomes of (3 H)DL-norepinephrine, (3 H)5-hydroxytryptamine, (3 H)GABA and (3 H)glutamate.
Life Sci [I] 12:433-41, 15 May 73
*ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLS, pharmacodynamics/ *AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ *GLUTAMATES, metabolism/ IN VITRO/ KINETICS/ *NERVE ENDINGS, metabolism/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TRITIUM

3239. **Robbins JH, Levis WR:** Inherent inability of chronic lymphocytic leukaemia lymphocytes to respond to phytohaemagglutinin.
Int Arch Allergy Appl Immunol 43:845-58, 1972
CELLS, CULTURED/ COLCHICINE, pharmacodynamics/ DNA, biosynthesis/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, blood/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ MALE/ MITOSIS, drug effects/ *PLANT AGGLUTININS, pharmacodynamics/ SEX CHROMOSOMES/ THYMIDINE, metabolism/ TRITIUM

3240. **Robbins KC, Bernabe P, Arzadon L, et al:** The primary structure of human plasminogen. II. The histidine loop of human plasmin: light (B) chain active center histidine sequence. J Biol Chem 248:1631-3, 10 Mar 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ BINDING SITES/ CYANOGEN BROMIDE/ GEL FILTRATION/ HUMAN/ PEPTIDES, analysis/ *PLASMINOGEN, biosynthesis/ PROTEIN CONFORMATION/ THIOCYANATES/ TOSYL COMPOUNDS/ TRITIUM

3241. **Robbiee LS, Shepro D, Belamarich FA:** Calcium uptake and associated adenosine triphosphatase activity of isolated platelet membranes.
J Gen Physiol 61:462-81, Apr 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ *CALCIUM, metabolism/ CARBAMATES, pharmacodynamics/ CATTLE/ CELL FRACTIONATION/ CHELATING AGENTS, pharmacodynamics/ DIURETICS, MERCURIAL, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ LEAD/ MAGNESIUM, pharmacodynamics/ MEMBRANES, enzymology/ *MEMBRANES, metabolism/ MICROSCOPY, ELECTRON/ OUABAIN, pharmacodynamics/ OXALATES, pharmacodynamics/ PHOSPHATES, metabolism/ TEMPERATURE/ TIME FACTORS

3242. **Roberts CJ, Lloyd S:** Observations on the epidemiology of simple hypospadias. Br Med J 1:768-70, 31 Mar 73
DISEASES IN TWINS/ FEMALE/ FEMINIZATION, etiology/ GENITALIA, MALE, growth & development/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYPOSPADIAS, etiology/ *HYPOSPADIAS, occurrence/ INFANT, NEWBORN/ MALE/ PITUITARY GLAND, metabolism/ PLACENTA, metabolism/ PREGNANCY/ SEASONS/ TIME FACTORS

3243. **Roberts CJ, Lowe CR, Lloyd S:** Cyclic variations in date of last menstrual period of mothers of infants with congenital malformations in South Wales, 1964-66.
Br J Prev Soc Med 26:212-8, Nov 72
*ABNORMALITIES, occurrence/ BONE AND BONES, abnormalities/ CHILD, PRESCHOOL/ CLEFT PALATE, occurrence/ FEMALE/ FERTILIZATION/ HUMAN/ HYPOSPADIAS, occurrence/ *MENSTRUATION/ PREGNANCY/ *SEASONS/ TIME FACTORS/ WALES

3244. **Robertson AL Jr, Khairallah PA:** Arterial endothelial permeability and vascular disease. The "trap door" effect. Exp Mol Pathol 18:241-60, Apr 73
ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, pathology/ AORTA, THORACIC, physiopathology/ *ARTERIES, physiopathology/ ARTERIOSCLEROSIS, etiology/ BLOOD PLATELETS/ BRADYKININ, pharmacodynamics/ *CAPILLARY PERMEABILITY/ CAPILLARY PERMEABILITY, drug effects/ ENDOTHELIUM/ FEMALE/ INTERCELLULAR JUNCTIONS/ LIPOPROTEINS, metabolism/ MACROMOLECULAR SYSTEMS/ MICROSCOPY, ELECTRON/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ THROMBOSIS, etiology/ *VASCULAR DISEASES, etiology/ VASCULAR DISEASES, physiopathology

3245. **Robertson S, Grant A:** Combined intra-uterine and

extra-uterine pregnancy in two patients treated with human pituitary gonadotrophins.
Aust NZ J Obstet Gynaecol 12:253-4, Nov 72
ABORTION/ ADULT/ CASE REPORT/ FEMALE/ *GONADOTROPINS, PITUITARY, adverse effects/ HUMAN/ PREGNANCY/ *PREGNANCY, MULTIPLE/ *PREGNANCY, TUBAL, chemically induced/ TWINS

3246. **Robeyns P, Ernould HJ, Cession-Fossion A:** Sur un cas de phéochromocytome révélé fortuitement lors d'une cure à l'étbionamide.
Ann Endocrinol (Paris) 33:548-54, Sep-Oct 72 **(Fre)**
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ANGIOGRAPHY/ BLOOD VOLUME DETERMINATION/ *BRONCHOPNEUMONIA, drug therapy/ CATECHOLAMINES, blood/ ENGLISH ABSTRACT/ *ETHIONAMIDE, adverse effects/ *ETHIONAMIDE, therapeutic use/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ MIDDLE AGE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, diagnosis/ TACHYCARDIA, etiology/ UROGRAPHY

3247. **Robiller F, Stiller KJ:** Autoradiographic studies on iodine distribution in the thyroid gland of the budgerigar (Melopsittacus undulatus).
Exp Pathol (Jena) 7:345-6, 1972
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ INJECTIONS, INTRAMUSCULAR/ IODINE, administration & dosage/ *IODINE, metabolism/ IODINE ISOTOPES/ MALE/ PSITTACINES/ *THYROID GLAND, metabolism

3248. **Robiller F, Stiller KJ, Machnik G:** Zeitliche Zusammenhänge zwischen Stoffwechselreaktionen und Epithelzellveränderungen der Schilddrüse.
Z Mikrosk Anat Forsch 86:343-8, 1972 **(Ger)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PROTEIN-BOUND IODINE TEST/ *PSITTACINES/ THYROID GLAND, cytology/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ TIME FACTORS

3249. **Robiller F, Stiller KJ:** Vergliech von Funktion und Morphologie der Schilddrüse des Wellensittichs (Melopsittacus undulatus.
Anat Anz 132:401-9, 1972 **(Ger)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BLOOD PROTEINS/ IODINE, blood/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PROTEIN BINDING/ *PSITTACINES/ *THYROID GLAND/ THYROID GLAND, anatomy & histology/ THYROID GLAND, blood supply/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ TIME FACTORS

3250. **Robinson AG, Zimmerman EA:** Cerebrospinal fluid and ependymal neuropbysin.
J Clin Invest 52:1260-7, May 73
ANIMAL EXPERIMENTS/ *CEREBROSPINAL FLUID PROTEINS/ DOGS/ *EPENDYMA, analysis/ EPENDYMA, cytology/ HUMAN/ IODINE ISOTOPES/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ MONKEYS/ NEUROPHYSINS, analysis/ NEUROPHYSINS, blood/ NEUROPHYSINS, secretion/ *NEUTROPHILS, cerebrospinal fluid/ PEROXIDASES, metabolism/ PITUITARY GLAND, analysis/ PITUITARY GLAND, secretion/ RADIOIMMUNOASSAY

3251. **Robinson BF, Collier JG, Karim SM, et al:** Effect of prostaglandins A 1 , A 2 , B 1 , E 2 and F 2 on forearm arterial bed and superficial band veins in man.
Clin Sci 44:367-76, Apr 73
ARTERIES, drug effects/ BLOOD FLOW VELOCITY/ CLINICAL RESEARCH/ CONSTRICTION/ *FOREARM, blood supply/ *HAND, blood supply/ HUMAN/ INJECTIONS, INTRA-ARTERIAL/ NOREPINEPHRINE, pharmacodynamics/ PLETHYSMOGRAPHY/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ VEINS, drug effects

3252. **Robinson HP, Chatfield WR, Logan RW, et al:** A scoring system for the assessment of multiple methods of monitoring fetal growth.
J Obstet Gynaecol Br Commonw 80:230-5, Mar 73
*ALKALINE PHOSPHATASE, blood/ *AMINOPEPTIDASES, blood/ BIRTH WEIGHT/ *CEPHALOMETRY/ *ESTRIOL, urine/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ GROWTH DISORDERS, diagnosis/ HUMAN/ MONITORING SYSTEMS/ OXYTOCIN/ OXYTOCINASE, blood/ PREGNANCY/ PREGNANCY TOXEMIAS/ ULTRASONICS, diagnostic use

3253. **Robyn C, Leleux P, Vanhaelst L, et al:** Immunohistochemical study of the human pituitary with anti-luteinizing hormone, anti-follicle stimulating hormone and anti-thyrotrophin sera.
Acta Endocrinol (Kbh) 72:625-42, Apr 73
ANTIBODIES/ ANTIBODY SPECIFICITY/ CROSS REACTIONS/ FLUORESCENT ANTIBODY TECHNIC/ *FSH/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, PITUITARY, pharmacodynamics/ HEMADSORPTION/ HUMAN/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *LH/ METHODS/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, immunology/ RABBITS, immunology/ STAINS AND STAINING/ *THYROTROPIN

3254. **Roche J:** Antoine Lacassagne (1884-1971.
Bull Acad Natl Med (Paris) 156:286-90, Apr 72 **(Fre)**
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ FRANCE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NEOPLASMS, history/ RADIOBIOLOGY, history

3255. **Röcken H:** Teratombildung und gleichzeitige Trächtigkeit beim Hund.
Berl Munch Tieraerztl Wochenschr 86:74, 15 Feb 73 **(Ger)**
ANIMAL EXPERIMENTS/ *DOG DISEASES, pathology/ DOGS/ FEMALE/ *OVARIAN NEOPLASMS, veterinary/ PREGNANCY/ *PREGNANCY COMPLICATIONS, veterinary/ *TERATOID TUMOR, veterinary

3256. **Rodbell M, Salomon Y:** Activation of a guanosine triphosphate-specific protein kinase by adenosine 3':5'-monophosphate-dependent protein kinase in rat cells of the rat. J Biol Chem 248:3363-5, 10 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY/ *GUANINE NUCLEOTIDES, pharmacodynamics/ HISTONES/ KINETICS/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ POLYSACCHARIDES/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ PROTEIN KINASE, pharmacodynamics/ RATS/ TRITIUM

3257. **Rodgers CH, Schwartz NB:** Serum LH and FSH levels in mated and unmated proestrous female rats.
Endocrinology 92:1475-9, May 73
ANIMAL EXPERIMENTS/ *COITUS/ ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ OVULATION/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

3258. **Rodman HM, Bleicher SJ:** Plasma cortisol during normal glucose tolerance. Metabolism 22:745-8, May 73
ADMINISTRATION, ORAL/ ADULT/ BLOOD SUGAR, analysis/ CORTICOTROPIN, blood/ FASTING/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ *GLUCOSE TOLERANCE TEST/ HUMAN/

*HYDROCORTISONE, blood/ HYPERGLYCEMIA, chemically induced/ INSULIN, blood/ INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood/ TIME FACTORS

3259. **Rodríguez R:** Antagonism of tremorine-induced tremor hy serotoninergic agents in mice. Interactions with levodopa. Life Sci [I] 11:535-44, 1 Jun 72
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BENZTROPINE, pharmacodynamics/ *DOPA, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SYNERGISM/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ MICE/ MICE, INBRED STRAINS/ OXOTREMORINE, pharmacodynamics/ PIPERAZINES, pharmacodynamics/ *QUINOLINES, pharmacodynamics/ *SEROTONIN, metaholism/ *TREMOR, chemically induced/ *TREMORINE/ TRIHEXYPHENIDYL, pharmacodynamics

3260. **Rodriguez V, Bodey GP, Freireich EJ:** Combination chemotherapy for lymphomas and leukemias. DM 1-40, Apr 73 (51 ref.)
ADULT/ *BURKITT'S LYMPHOMA, drug therapy/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG COMBINATIONS/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ IMMUNOTHERAPY/ INFECTION, therapy/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOCYTIC, drug therapy/ *LYMPHOMA, drug therapy/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ PROGNOSIS/ REMISSION/ REVIEW/ VINCRISTINE, therapeutic use

3261. **Rodriguez Cuartero A, Vilchez Medina J, Peláez Redondo J:** Ein Fall von Klippel-Feil-Syndrom mit weiteren Misshildungen.
Munch Med Wochenschr 115:554-60, 30 Mar 73 (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/ ADULT/ ATLAS, ahnormalities/ CASE REPORT/ CERVICAL VERTEBRAE, ahnormalities/ DWARFISM, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, complications/ *KLIPPEL-FEIL SYNDROME, complications/ MOVEMENT DISORDERS, congenital/ PLATYBASIA, complications/ PTERYGIUM, complications/ SCAPULA, ahnormalities/ SCOLIOSIS, complications/ SKULL, abnormalities/ SPINA BIFIDA, complications

3262. **Roenigk HH Jr, Deodhar S:** Pemphigus treatment with azathioprine. Clinical and immunologic correlation.
Arch Dermatol 107:353-7, Mar 73
ADULT/ AGED/ ANTIBODIES, analysis/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ BLOOD PLATELETS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATIGUE, chemically induced/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEMOGLOBINOMETRY/ HUMAN/ LEUKOCYTE COUNT/ LEUKOPENIA, chemically induced/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PEMPHIGUS, diagnosis/ *PEMPHIGUS, drug therapy/ PEMPHIGUS, immunology/ PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES

3263. **Roenspies U, Borgeaud J:** Goitres endothoraciques.
Rev Med Suisse Romande 93:75-93, Feh 73 (Fre)
ADULT/ AGE FACTORS/ AGED/ FEMALE/ *GOITER/ GOITER, classification/ GOITER, diagnosis/ GOITER, embryology/ GOITER, etiology/ GOITER, surgery/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ SEX FACTORS/ *THORACIC DISEASES

3264. **Roffe LM, Mutton DE, Dawson KB:** Automatic monitoring of suspension cultures.
J Cell Physiol 81:285-90, Apr 73
AUTOANALYSIS/ CELL COUNT, instrumentation/ CELL DIVISION, drug effects/ *CYTOLOGICAL TECHNICS, instrumentation/ HELA CELLS, drug effects/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ MONITORING SYSTEMS/ *TISSUE CULTURE, instrumentation

3265. **Rogë J, Dreyfus P, Dorfmann H, et al:** Ostéomalacie, malabsorption intestinale, polyadénopathies et polyarthrite inflammatoire par phénoméne d'anse stagnante.
Sem Hop Paris 49:163-74, 14 Jan 73 (Fre)
ADULT/ APPENDECTOMY/ *ARTHRITIS, etiology/ BIOPSY, NEEDLE/ *BLIND LOOP SYNDROME, complications/ BLIND LOOP SYNDROME, diagnosis/ BLIND LOOP SYNDROME, etiology/ BLIND LOOP SYNDROME, microbiology/ ENGLISH ABSTRACT/ HUMAN/ IATROGENIC DISEASE/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, pathology/ INTESTINE, SMALL, pathology/ *LYMPHATIC DISEASES, etiology/ MALABSORPTION SYNDROMES, etiology/ MALE/ *OSTEOMALACIA, etiology/ POSTOPERATIVE COMPLICATIONS

3266. **Rogers W, Reller CR Jr, Sheridan JD, et al:** Tissue hlood flow in the canine lower limh following lumbar sympathectomy. Vasc Surg 6:227-38, Nov-Dec 72
ANIMAL EXPERIMENTS/ ANTIPYRINE, metabolism/ BLOOD VOLUME DETERMINATION/ BONE AND BONES, metabolism/ DOGS/ HEMODYNAMICS/ ILIAC ARTERY, surgery/ INDICATOR DILUTION TECHNICS/ IODINE ISOTOPES, DIAGNOSTIC/ *LEG, hlood supply/ LUMBOSACRAL REGION/ MUSCLES, metabolism/ REGIONAL BLOOD FLOW/ SKIN, metaholism/ *SYMPATHECTOMY

3267. **Rohde W, Porstmann T, Dörner G:** Migration of Y-bearing human spermatozoa in cervical mucus.
J Reprod Fertil 33:167-9, Apr 73
ADULT/ *CELL MOVEMENT/ *CERVIX MUCUS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IN VITRO/ MALE/ MENSTRUATION/ *SEX CHROMOSOMES/ SEX RATIO/ *SPERMATOZOA, physiology

3268. **Roland M, Leisten D, Caruso LJ:** A regimen for fertility control with a cyclic progestogen.
Obstet Gynecol 41:595-601, Apr 73
ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ MENSTRUATION/ NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ *NORGESTREL, pharmacodynamics/ PERIODICITY

3269. **Rolleri E, Hégésippe M:** Use of serum alhumin microspheres as a reversihle adsorhent for studying protein-small molecule interactions.
Biochim Biophys Acta 295:429-37, 21 Feh 73
ADSORPTION/ *HYDROCORTISONE/ IODINE ISOTOPES/ KINETICS/ MATHEMATICS/ *PROTEIN BINDING/ PROTEIN DENATURATION/ *SERUM ALBUMIN/ THERMODYNAMICS/ *THYROXINE/ *TRIIODOTHYRONINE

3270. **Romanov IuA:** Kletochnoe delenie i regeneratsionnye protsessy v obluchennoĭ radioaktivnym iodom shchitovidnoĭ zheleze.
Zh Obshch Biol 33:397-408, Jul-Aug 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *IODINE ISOTOPES/ MALE/ *MITOSIS/ RABBITS/ *RADIATION EFFECTS/ *REGENERATION/ THYROID GLAND, drug effects/ THYROID GLAND, physiology/ *THYROID GLAND, radiation effects/ THYROID HORMONES, pharmacodynamics

3271. **Römmler A, Saxena BB:** Separation of antibody-bound and free human follicle-stimulating and luteinizing hormones by ethanol-ammonium acetate.
Acta Endocrinol (Kbh) 72:643-53, Apr 73
*ALCOHOL, ETHYL, pharmacodynamics/ AMMONIUM COMPOUNDS/ ANTIGENS/ *BINDING SITES, ANTIBODY/ BUFFERS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, blood/ *FSH, isolation & purification/ HUMAN/ HYPOPHYSECTOMY/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ IODINE ISOTOPES/ LH, blood/ *LH, isolation & purification/ MENOPAUSE/ MENSTRUATION/ METHODS/ PRECIPITATION/ RADIOIMMUNOASSAY

3272. **Roniel N, Morel F, Istin M:** Etude des granules calcifiés du manteau des lamellibranches à l'aide de la microsonde électronique.
Calcif Tissue Res 11:163-70, 19 Feb 73 (Fre)
ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, metabolism/ CARBONIC ANHYDRASE, metabolism/ *CLAMS, metabolism/ ENGLISH ABSTRACT/ MANGANESE, metabolism/ MICROSCOPY, ELECTRON, SCANNING/ PHOSPHORUS, metabolism/ PROTEINS, metabolism/ ZINC, metabolism

3273. **Ronnekleiv OK, Krulich L, McCann SM:** An early morning surge of prolactin in the male rat and its abolition by pinealectomy.
Endocrinology 92:1339-42, May 73
LIGHT/ MALE/ *PINEAL BODY, physiology/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS

3274. **Roof BS, Piel CF, Gordan GS:** Nature of defect responsible for familial vitamin D-resistant rickets (VDRR) based on radioimmunoassay for parathyroid hormone (PTH).
Trans Assoc Am Physicians 85:172-80, 1972
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYDROXYCHOLECALCIFEROL, blood/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ PHOSPHATES, therapeutic use/ RADIOIMMUNOASSAY/ RICKETS, VITAMIN D RESISTANT, blood/ RICKETS, VITAMIN D RESISTANT, drug therapy/ *RICKETS, VITAMIN D RESISTANT, familial & genetic/ RICKETS, VITAMIN D RESISTANT, metabolism/ VITAMIN D, therapeutic use

3275. **Rooij DG de:** Spermatogonial stem cell renewal in the mouse. I. Normal situation.
Cell Tissue Kinet 6:281-7, May 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, cytology/ CELL COUNT/ CELL DIFFERENTIATION/ CELL NUCLEUS/ EPITHELIAL CELLS, cytology/ *MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MITOSIS/ SERTOLI CELLS/ *SPERMATOGENESIS/ SPERMATOZOA/ TESTIS, cytology

3276. **Roos J, Roser S, Vidal N, et al:** Rôle joué par l'activité progestéronique de l'ovaire dans le comportement d'acceptation précoce de la ratte au cours de cycles de 4 jours. C R Soc Biol (Paris) 166:1105-8, 1972 (Fre)
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ OVARY, drug effects/ *OVARY, physiology/ *PROGESTERONE, physiology/ RATS/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects

3277. **Rosado A, Velázquez A, Lara-Ricalde R:** Cell polarography. II. Effect of neuraminidase and follicular fluid upon the surface characteristics of human spermatozoa. Fertil Steril 24:349-54, May 73
*BODY FLUIDS, physiology/ CALCIUM, metabolism/ CHLORIDES, metabolism/ ELECTRIC CONDUCTIVITY/ GRAAFIAN FOLLICLE/ HUMAN/ MALE/ *NEURAMINIDASE, pharmacodynamics/ POLAROGRAPHY/ SPERM CAPACITATION, drug effects/ *SPERMATOZOA, drug effects/ SPERMATOZOA, metabolism

3278. **Rosatti P:** Une famille atteinte d'hyperostose frontale interne (syndrome de Morgagni-Morel) à travers quatre générations successives.
J Genet Hum 20:207-52, Sep 72 (Fre)
ADOLESCENCE/ ADULT/ BLOOD SUGAR/ CATARACT, etiology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPEROSTOSIS FRONTALIS INTERNA, blood/ HYPEROSTOSIS FRONTALIS INTERNA, complications/ *HYPEROSTOSIS FRONTALIS INTERNA, familial & genetic/ HYPEROSTOSIS FRONTALIS INTERNA, occurrence/ HYPERTENSION, etiology/ LIBIDO/ MALE/ MENSTRUATION DISORDERS, etiology/ MENTAL DISORDERS, etiology/ OBESITY, familial & genetic/ PEDIGREE/ SWITZERLAND/ SYNDROME/ VIRILISM, etiology

3279. **Rościszewska A:** Ostre nawracające zapalenie trzustki w toku pierwotnej nadczynności przytarczye.
Pol Tyg Lek 28:450-1, 19 Mar 73 (Pol)
ACUTE DISEASE/ ADENOMA, complications/ ADENOMA, pathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, etiology/ *PANCREATITIS, complications/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, pathology/ RECURRENCE

3280. **Rose DP, Adams PW, Strong R:** Influence of the progestogenic component of oral contraceptives on tryptophan metabolism.
J Obstet Gynaecol Br Commonw 80:82-5, Jan 73
ANTHRANILIC ACID, urine/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ KYNURENIC ACID, urine/ LYNESTRENOL, pharmacodynamics/ MESTRANOL/ NORETHINDRONE, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *TRYPTOPHAN, metabolism/ XANTHURENATES, urine

3281. **Rose LI, Underwood RH, Parker DE, et al:** Delta-4-3-ketosteroid 5 alpha-reductase in the adult human testis. J Clin Endocrinol Metab 36:995-8, May 73
ADULT/ AGED/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ DISGERMINOMA, enzymology/ HUMAN/ KETOSTEROIDS/ MALE/ METHODS/ MIDDLE AGE/ *OXIDOREDUCTASES, analysis/ STANOLONE/ TESTICULAR NEOPLASMS, enzymology/ *TESTIS, enzymology/ TESTOSTERONE/ TRITIUM

3282. **Rosecrans JA, Goodloe MH Jr, Bennett GJ, et al:** Morphine as a discriminative cue: effects of amine depletors and naloxone.
Eur J Pharmacol 21:252-6, Feb 73
*AMINES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ P-CHLOROPHENYLALANINE, pharmacodynamics/ CONDITIONING, CLASSICAL, drug effects/ *CUES/ *DISCRIMINATION, drug effects/ ELECTROSHOCK/ MALE/ METHYLTYROSINES, pharmacodynamics/ *MORPHINE, pharmacodynamics/ NALOXONE, administration & dosage/ *NALOXONE, pharmacodynamics/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, antagonists & inhibitors/ PENTOBARBITAL, pharmacodynamics/ RATS/ SEROTONIN, analysis/ SEROTONIN, antagonists & inhibitors/ TIME FACTORS

3283. **Rosen VJ, Kramer HJ, Gonick HC:** Experimental Fanconi syndrome. II. Effect of maleic acid on renal tubular ultrastructure. Lab Invest 28:446-55, Apr 73

ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CYTOPLASM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FANCONI SYNDROME, cbemically induced/ FANCONI SYNDROME, enzymology/ FEMALE/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, enzymology/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, enzymology/ MALEATES, administration & dosage/ *MALEATES, pbarmacodynamics/ METHODS/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ RATS/ RIBOSOMES, drug effects

3284. **Rosenbaum RW, Hayes MF Jr, Matsumoto T:** Efficacy of steroids in the treatment of septic and cardiogenic shock. Surg Gynecol Obstet 136:914-8, Jun 73
BLOOD GAS ANALYSIS/ CARBON DIOXIDE, blood/ *DEXAMETHASONE, therapeutic use/ HUMAN/ *METHYLPREDNISOLONE, tberapeutic use/ OXYGEN, blood/ OXYGEN CONSUMPTION/ PARTIAL PRESSURE/ PHENOXYBENZAMINE, therapeutic use/ *SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, physiopathology/ *SHOCK, TOXIC, drug therapy/ SHOCK, TOXIC, physiopatbology

3285. **Rosenberg EB, Herberman RB, Levine PH, et al:** Lymphocyte cytotoxicity reactions to leukemia-associated antigens in identical twins. Int J Cancer 9:648-58, 15 May 72
ADOLESCENCE/ ADULT/ AGED/ *ANTIGENS, analysis/ AZATHIOPRINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHROMIUM ISOTOPES/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ IMMUNITY, CELLULAR/ LEUKEMIA, drug tberapy/ LEUKEMIA, LYMPHOBLASTIC, familial & genetic/ *LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, MYELOBLASTIC, familial & genetic/ *LEUKEMIA, MYELOBLASTIC, immunology/ *LYMPHOCYTES, immunology/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PREDNISONE, tberapeutic use

3286. **Rosenbloom AL:** Functioning solitary nodule of the tbyroid in a child. J Pediatr 82:491-3, Mar 73
ADENOMA, physiopathology/ CHILD/ FEMALE/ *GOITER, diagnosis/ GOITER, drug therapy/ HUMAN/ TECHNETIUM, diagnostic use/ THYROID HORMONES, administration & dosage/ THYROID HORMONES, pharmacodynamics/ THYROID HORMONES, tberapeutic use/ THYROID NEOPLASMS, physiopatbology/ THYROTROPIN, diagnostic use/ THYROXINE-BINDING PROTEIN, analysis

3287. **Rosenbloom AL, Frias JL:** Oxandrolone for growtb promotion in Turner syndrome.
Am J Dis Child 125:385-7, Mar 73
ADOLESCENCE/ BODY HEIGHT/ BODY WEIGHT/ BONE AND BONES, drug effects/ CHILD/ FEMALE/ *GROWTH, drug effects/ HUMAN/ OSSIFICATION, PHYSIOLOGIC, drug effects/ OXANDROLONE, pharmacodynamics/ *OXANDROLONE, tberapeutic use/ *TURNER'S SYNDROME, drug tberapy

3288. **Rosenblum WI:** A possible role for mast cells in controlling the diameter of arterioles on tbe surface of the brain. Brain Res 49:75-82, 15 Jan 73
ANIMAL EXPERIMENTS/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE/ CARBON DIOXIDE, blood/ CEREBRAL ARTERIES, drug effects/ *CEREBRAL ARTERIES, physiology/ COMPOUND 48-80, pharmacodynamics/ HISTAMINE, pbarmacodynamics/ HYDROGEN-ION CONCENTRATION/ MAST CELLS, drug effects/ *MAST CELLS, physiology/ MAST CELLS, secretion/ MICE/ OXYGEN, blood/ PARTIAL PRESSURE/ *PIA MATER, blood supply/ POLYMYXIN, pbarmacodynamics/ RESERPINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ VASOCONSTRICTOR AGENTS, pharmacodynamics/ VASOCONSTRICTOR AGENTS, secretion/ *VASOMOTOR SYSTEM

3289. **Rosenqvist U, Boréus LO:** Enhancement of tbe alpha adrenergic response in aorta from bypothyroid rabbits. Life Sci [I] 11:595-604, 15 Jun 72
ANIMAL EXPERIMENTS/ AORTA, drug effects/ *AORTA, metabolism/ CALCIUM, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ *HYPOTHYROIDISM, metabolism/ IODINE, pharmacodynamics/ IODINE ISOTOPES/ LANTHANUM, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RABBITS/ *RECEPTORS, ADRENERGIC, drug effects/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

3290. **Rosenthal S, Kaufman S:** The liver scan in metastatic disease. Arch Surg 106:656-9, May 73
BIOPSY/ BREAST NEOPLASMS/ CERVIX NEOPLASMS/ COLONIC NEOPLASMS/ ESOPHAGEAL NEOPLASMS/ GALLBLADDER NEOPLASMS/ HUMAN/ LAPAROTOMY/ LIVER FUNCTION TESTS/ *LIVER NEOPLASMS, diagnosis/ LUNG NEOPLASMS/ LYMPHOMA/ MELANOMA/ NEOPLASM METASTASIS, diagnosis/ OVARIAN NEOPLASMS/ PANCREATIC NEOPLASMS/ *RADIOISOTOPE SCANNING/ RECTAL NEOPLASMS/ STOMACH NEOPLASMS/ SULFUR ISOTOPES/ TECHNETIUM

3291. **Rösick U, Zimen KE:** Diffusion von 45 Ca, 85 Sr und 32 P in Hydroxylapatit.
Biophysik 9:120-31, 1973 (Ger)
AGE DETERMINATION BY SKELETON/ BONE AND BONES, metabolism/ *CALCIUM ISOTOPES/ CHEMISTRY, PHYSICAL/ CRYSTALLIZATION/ *DIFFUSION/ ENGLISH ABSTRACT/ HEAT/ *HYDROXYAPATITE/ MATHEMATICS/ METHODS/ MODELS, BIOLOGICAL/ *PHOSPHORUS ISOTOPES/ RADIOMETRY/ RADIUM, metabolism/ SCINTILLATION COUNTERS/ STRONTIUM, metabolism/ *STRONTIUM ISOTOPES/ THERMODYNAMICS

3292. **Rösler A, Rabinowitz D:** Magnesium-induced reversal of vitamin-D resistance in hypoparathyroidism. Lancet 1:803-4, 14 Apr 73
ADMINISTRATION, ORAL/ ADOLESCENCE/ CALCIUM, tberapeutic use/ DIHYDROTACHYSTEROL, therapeutic use/ DRUG RESISTANCE/ DRUG SYNERGISM/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ HYDROXYLATION/ HYPOCALCEMIA, drug therapy/ *HYPOPARATHYROIDISM, drug therapy/ INJECTIONS, INTRAMUSCULAR/ *MAGNESIUM, therapeutic use/ MAGNESIUM, urine/ VITAMIN D, administration & dosage/ *VITAMIN D, therapeutic use

3293. **Rösler A, Theodor R, Gazit E, et al:** Salt wastage, raised plasma-renin activity, and normal or higb plasma-aldosterone: a form of pseudohypoaldosteronism. Lancet 1:959-62, 5 May 73
*ACIDOSIS, complications/ *ALDOSTERONE, blood/ BICARBONATES, tberapeutic use/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/ CHILD/ CHILD, PRESCHOOL/ *DEHYDRATION, complications/ DEHYDRATION, drug therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYPERKALEMIA, complications/ *HYPONATREMIA, complications/ INFANT/ JEWS/ *NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, drug tberapy/ *RENIN, blood/ SODIUM CHLORIDE, therapeutic use/ UREA, blood/ *UREMIA, complications

3294. **Rosner J, Denari JH, Nagle CA, et al:** Direct action of light on serotonin metabolism and RNA biosyntbesis in duck pineal explants.

Life Sci [II] 11:829-36, 8 Sep 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DARK ADAPTATION/ DUCKS/ IN VITRO/ MALE/ ORGAN CULTURE/ ORGAN SPECIFICITY/ *PHOTIC STIMULATION/ PHOTORECEPTORS, metabolism/ *PINEAL BODY, metabolism/ *RNA, biosynthesis/ *SEROTONIN, metabolism/ TRITIUM/ URIDINE, metabolism

3295. **Ross RC, Kovacs K, Horvath E:** Ultrastructure of peliosis hepatis in a percutaneous biopsy.
Pathol Eur 7:273-82, 1972
AZATHIOPRINE, adverse effects/ BIOPSY, NEEDLE/ ENDOPLASMIC RETICULUM/ HEART, transplantation/ HUMAN/ *LIVER, pathology/ LIVER DISEASES, chemically induced/ *LIVER DISEASES, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ ORGANOIDS/ PREDNISONE, adverse effects/ PURPURA, chemically induced/ *PURPURA, pathology/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

3296. **Ross W, Oppelt WW:** Effect of intravenous dibutyryl cyclic AMP on histamine-induced bronchospasm in the guinea pig.
Res Commun Chem Pathol Pharmacol 5:817-26, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ AEROSOLS/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, therapeutic use/ BLOOD PRESSURE, drug effects/ *BRONCHIAL SPASM, prevention & control/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ GUINEA PIGS/ HEART RATE, drug effects/ HISTAMINE, administration & dosage/ HISTAMINE, pharmacodynamics/ MALE/ MUSCLE, SMOOTH, drug effects

3297. **Ross WE, Simrell C, Oppelt WW:** Sex-dependent effects of cyclic AMP on the hepatic mixed function oxidase system.
Res Commun Chem Pathol Pharmacol 5:319-32, Mar 73
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ AMINOPYRINE N-DEMETHYLASE, analysis/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ CYTOCHROME P-450, antagonists & inhibitors/ CYTOCHROMES, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEXOBARBITAL, pharmacodynamics/ HYDROXYLASES, analysis/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MICROSOMES, LIVER, enzymology/ *OXIDOREDUCTASES, antagonists & inhibitors/ RATS/ *SEX FACTORS/ SPECTROPHOTOMETRY, ULTRAVIOLET

3298. **Rossano GL, Justo SN, Tramezzani JH:** Response of the vagina of newborn rats to sequential treatment with sexual hormones. Acta Anat (Basel) 84:492-7, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOATES, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ PREGNANCY/ PROPIONATES, pharmacodynamics/ *RATS, physiology/ *TESTOSTERONE, pharmacodynamics/ *VAGINA, drug effects

3299. **Rosset G:** Relation entre l'excrétion sudorale du sodium et du potassium et le système rénine-angiotensine-aldostérone dans l'hypertension artérielle.
Schweiz Med Wochenschr 103:439-48, 24 Mar 73 **(Fre)**
ADRENAL GLAND NEOPLASMS, metabolism/ ADULT/ AGED/ ALDOSTERONE, urine/ CHILD/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPERALDOSTERONISM, metabolism/ HYPERTENSION, blood/ *HYPERTENSION, metabolism/ HYPERTENSION, urine/ HYPERTENSION, MALIGNANT, metabolism/ HYPERTENSION, RENAL, metabolism/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, metabolism/ *POTASSIUM, metabolism/ RENIN, blood/ *SODIUM, metabolism/ *SWEAT, secretion

3300. **Rosswick RP:** Protection of the recurrent of the recurrent laryngeal nerve. Lancet 1:772-3, 7 Apr 73
*ELECTRIC STIMULATION/ HUMAN/ *LARYNGEAL NERVES, injuries/ METHODS/ *THYROIDECTOMY

3301. **Roters T:** Hämolytische Anämien--Klinik und Therapie.
Fortschr Med 91:21-6, 11 Jan 73 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, HEMOLYTIC/ ANEMIA, HEMOLYTIC, classification/ ANEMIA, HEMOLYTIC, diagnosis/ ANEMIA, HEMOLYTIC, therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, diagnosis/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANEMIA, SICKLE CELL, diagnosis/ ANTIMETABOLITES, therapeutic use/ BLOOD TRANSFUSION/ COOMBS' TEST/ ERYTHROCYTES/ HUMAN/ REST/ THALASSEMIA, diagnosis

3302. **Roth M:** Osteoneurálmní morfogeneze končtinového skeletu.
Cas Lek Cesk 112:597-603, 11 May 73 **(Cze)**
BONE AND BONES, anatomy & histology/ *BONE AND BONES, embryology/ BONE AND BONES, innervation/ *BONE DEVELOPMENT/ BONE DISEASES, DEVELOPMENTAL, etiology/ CATTLE/ ENGLISH ABSTRACT/ *EXTREMITIES/ EXTREMITIES, anatomy & histology/ EXTREMITIES, embryology/ HUMAN/ MORPHOGENESIS

3303. **Rothchild I, Billiar RB, Kline IT, et al:** The persistence of progesterone secretion in pregnant rats after hypophysectomy and hysterectomy: a comparison with pseudopregnant, deciduomata-hearing pseudopregnant, and lactating rats.
J Endocrinol 57:63-744, Apr 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, growth & development/ DECIDUA/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ HYSTERECTOMY/ LACTATION/ LH, physiology/ ORGAN WEIGHT/ OVARY, physiology/ *PITUITARY GLAND, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ *PROGESTERONE, secretion/ PSEUDOPREGNANCY/ RATS/ UTERINE NEOPLASMS, physiopathology/ *UTERUS, physiology

3304. **Rovis L, Anderson B, Kabat EA, et al:** Heterogeneity of carhohydrate fragments isolated from human blood group H and Le a active glycoproteins hy base-borohydride degradation.
Biochemistry 12:1955-61, 8 May 73
*ABO FACTORS, analysis/ ACETIC ACIDS, analysis/ BOROHYDRIDES/ CHARCOAL/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ FEMALE/ FUCOSE, analysis/ GEL FILTRATION/ *GLYCOPROTEINS, analysis/ HEXOSAMINES, analysis/ HEXOSES, analysis/ HUMAN/ LEWIS BLOOD-GROUP SYSTEM/ OLIGOSACCHARIDES, analysis/ OLIGOSACCHARIDES, isolation & purification/ OVARIAN CYSTS/ OXIDATION-REDUCTION/ PENTOSES, analysis/ PEPTIDES, analysis/ SODIUM HYDROXIDE

3305. **Rowland LP, Lisak RP, Schotland DL, et al:** Myasthenic myopathy and thymoma.
Neurology (Minneap) 23:282-8, Mar 73

EDROPHONIUM CHLORIDE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLES, pathology/ MYASTHENIA GRAVIS, classification/ MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, drug therapy/ *MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, pathology/ NEOSTIGMINE, diagnostic use/ NEUROMUSCULAR DISEASES, classification/ PYRIDOSTIGMINE BROMIDE, therapeutic use/ *THYMOMA, complications/ *THYMUS NEOPLASMS, complications/ TUBOCURARINE, diagnostic use

3306. **Roy AK:** Androgenic induction of alpha-2u globulin in rats: androgen insensitivity in prepubertal animals. Endocrinology 92:957-60, Mar 73
AGE FACTORS/ ALPHA GLOBULIN, biosynthesis/ ALPHA GLOBULIN, urine/ *ALPHA GLOBULIN, urine/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ *CORTICOSTERONE, pharmacodynamics/ FEMALE/ HEPATECTOMY/ LIVER, metabolism/ LIVER REGENERATION/ MALE/ *OVARY, physiology/ RATS/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

3307. **Roy AK:** Androgen-dependent synthesis of apiha-2u globulin in the rat: role of the pituitary gland. J Endocrinol 56:295-301, Feb 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALPHA GLOBULIN, biosynthesis/ ALPHA GLOBULIN, urine/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, pharmacodynamics/ DRUG SYNERGISM/ HYPOPHYSECTOMY/ IMMUNOASSAY/ MALE/ *PITUITARY GLAND, physiology/ RATS/ SOMATOTROPIN, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics

3308. **Roy C, Bockaert J, Rajerison R, et al:** Oxytocin receptor in frog bladder epithelial cells. Relationship of (3 H)oxytocin binding to adenylate cyclase activation. FEBS Lett 30:329-34, 15 Mar 73
*ADENYL CYCLASE/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BLADDER, enzymology/ CALCIUM, pharmacodynamics/ CENTRIFUGATION/ ENZYME ACTIVATION, drug effects/ EPITHELIAL CELLS, enzymology/ FROGS/ IN VITRO/ KINETICS/ LYSINE, pharmacodynamics/ MICROPORE FILTERS/ OSMOLAR CONCENTRATION/ *OXYTOCIN, pharmacodynamics/ PEPTIDES, analysis/ PHOSPHORUS ISOTOPES/ *RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM/ ULTRAFILTRATION/ VASOPRESSIN, pharmacodynamics

3309. **Roy S, Ghosh AK:** Family welfare planning: its genetic considerations. J Indian Med Assoc 59:349-53, 16 Oct 72
*ABNORMALITIES, prevention & control/ ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FERTILITY/ GENETIC COUNSELING/ HUMAN/ INBREEDING/ INDIA/ MALE/ MATERNAL AGE/ *POPULATION CONTROL/ SELECTION (GENETICS)/ SEX RATIO

3310. **Royer P:** Hypöglycémies de l'enfant. Rev Prat 22:3439-47, 1 Oct 72 **(Fre)**
BLOOD SUGAR, analysis/ ENDOCRINE DISEASES, complications/ HYPOGLYCEMIA/ HYPOGLYCEMIA, etiology/ HYPOGLYCEMIA, therapy/ METABOLISM, INBORN ERRORS, complications/ NEOPLASMS, complications/ SPECIAL LIST FOREIGN

3311. **Rożniecki J, Religa H, Grabski W, et al:** Encephalopathia thyreotoxica acute--demonstracja kliniczna. Pol Tyg Lek 28:335-7, 26 Feb 73 **(Pol)**
ACUTE DISEASE/ *BRAIN DISEASES, etiology/ ENGLISH ABSTRACT/ HEMIPLEGIA, diagnosis/ HUMAN/ JACKSONIAN SEIZURE, diagnosis/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, etiology/ *THYROID CRISIS, complications/ UNCONSCIOUSNESS, diagnosis

3312. **Rubin RW, Everhart LP:** The effect of cell-to-cell contact on the surface morphology of Chinese hamster ovary cells. J Cell Biol 57:837-44, Jun 73
AUTORADIOGRAPHY/ CELL DIVISION/ CELL LINE/ *CONTACT INHIBITION/ HAMSTERS/ MICROSCOPY, ELECTRON, SCANNING/ MITOSIS/ OVARY/ THYMIDINE/ TRITIUM

3313. **Rubin SO:** Malignant teratoma of testis in a subfertile man treated with HCG and HMG. A case report. Scand J Urol Nephrol 7:81-4, 1973
ADULT/ *GONADOTROPINS, CHORIONIC, adverse effects/ HUMAN/ MALE/ *MENOTROPINS, adverse effects/ STERILITY, MALE, drug therapy/ *TERATOID TUMOR, chemically induced/ *TESTICULAR NEOPLASMS, chemically induced

3314. **Rubinjoni Z, Skrabalo Z:** Zur Therapie der hypothyreose mit synthetischen Schilddrüsenhormonen. Med Welt 24:415-7, 16 Mar 73 **(Ger)**
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ LONG TERM CARE/ MALE/ MIDDLE AGE/ *THYROXINE, therapeutic use/ *TRIIODOTHYRONINE, therapeutic use

3315. **Rudman D, Friedes D, Patterson JH, et al:** Diurnal variation in the responsiveness of human subjects to human growth hormone. J Clin Invest 52:912-8, Apr 73
ADOLESCENCE/ ADULT/ BODY WEIGHT, drug effects/ CHILD/ *CIRCADIAN RHYTHM/ FEMALE/ *GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ *MUSCULAR DYSTROPHY, drug therapy/ MUSCULAR DYSTROPHY, metabolism/ NITROGEN, metabolism/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, therapeutic use/ TIME FACTORS

3316. **Rudman D, Patterson JH, Gibbas DL:** Responsiveness of growth hormone-deficient children to human growth hormone. Effect of replacement therapy for one year. J Clin Invest 52:1108-12, May 73
ADENOMA, CHROMOPHOBE, complications/ ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, complications/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ FEMALE/ *GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ GROWTH DISORDERS, metabolism/ HUMAN/ HYPOPITUITARISM, complications/ MALE/ NITROGEN, metabolism/ PHOSPHORUS, metabolism/ PITUITARY NEOPLASMS, complications/ POTASSIUM, metabolism/ SODIUM, metabolism/ SOMATOTROPIN, physiology/ *SOMATOTROPIN, therapeutic use/ TIME FACTORS

3317. **Rueff FL, Wilhelm K, Hauer G:** Fehlergebnisse nach Osteosynthesen von Unterarmschaftfrakturen. Monatsschr Unfallheilkd 76:1-13, Jan 73 **(Ger)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *FOREARM INJURIES, surgery/ FRACTURE FIXATION, INTERNAL/ FRACTURE FIXATION, INTRAMEDULLARY/ *FRACTURES, surgery/ HUMAN/ MALE/ OSTEOMYELITIS, etiology/ OSTEOPOROSIS, etiology/ POSTOPERATIVE COMPLICATIONS/ PSEUDARTHROSIS, etiology/ RADIUS FRACTURES, surgery/ ULNA FRACTURES, surgery

3318. **Ruegamer WR, Mueller JF:** Responses in hypophysectomized rats implanted with plerocercoids of the tapeworm, Spirometra mansonoides. Proc Soc Exp Biol Med 143:133-7, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CESTODA/ *GROWTH/ *GROWTH SUBSTANCES, metabolism/

HYPOPHYSECTOMY/ LIVER, blood supply/ *LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ *PITUITARY GLAND, metabolism/ RATS/ SOMATOTROPIN, physiology/ *SPARGANOSIS, metabolism

3319. **Ruf KB:** How does the brain control the process of puberty? Z Neurol 204:96-105, 2 Apr 73 (51 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BRAIN, physiology/ CATECHOLAMINES/ FEEDBACK/ FEMALE/ GONADOTROPINS, secretion/ GROWTH/ HUMAN/ HYPOTHALAMUS, physiology/ HYPOTHALAMUS, physiopathology/ NEURONS/ NUTRITION/ *PUBERTY/ PUBERTY, PRECOCIOUS, physiopathology/ RATS/ REVIEW/ SEX HORMONES/ SYMPATHETIC NERVOUS SYSTEM

3320. **Ruffner C, Rouiller C, Orci L:** Effect of vincristine on the ultrastructure of rat neurohypophysis.
Experientia 28:837-8, 15 Jul 72
ANIMAL EXPERIMENTS/ FEMALE/ MALE/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, POSTERIOR, cytology/ *PITUITARY GLAND, POSTERIOR, drug effects/ RATS/ SYNAPTIC VESICLES/ TIME FACTORS/ *VINCRISTINE, pharmacodynamics

3321. **Ruh TS, Ruh MF, Klitgaard HM:** Properties of density gradient-separated liver mitochondria from triiodothyronine-treated rats.
Proc Soc Exp Biol Med 142:1128-32, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ LEUCINE, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ PHOSPHOLIPIDS, metabolism/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics

3322. **Ruitton-Ugliengo A, Baraton G, Teli G, et al:** Etude de l'insulinémie plasmatique au cours de l'hyperglycémie provoquée orale chez des sujets présentant un déficit en G.H.
Ann Endocrinol (Paris) 33:531-3, Sep-Oct 72 (Fre)
BLOOD SUGAR, analysis/ DWARFISM, PITUITARY, physiopathology/ ENGLISH ABSTRACT/ *GLUCOSE TOLERANCE TEST/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, physiopathology/ HUMAN/ HYPOPITUITARISM, physiopathology/ *INSULIN, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, analysis

3323. **Ruiz JO, Simmons RL, Callender CO, et al:** Steroid diabetes in renal transplant recipients: pathogenetic factors and prognosis. Surgery 73:759-65, May 73
ADOLESCENCE/ ADULT/ BLOOD SUGAR/ CADAVER/ CREATININE, blood/ *DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, familial & genetic/ FASTING/ FEMALE/ *GLUCOCORTICOIDS, adverse effects/ GRAFT REJECTION/ HUMAN/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PROGNOSIS/ SEX FACTORS/ TOLBUTAMIDE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

3324. **Ruiz Velasco V:** Excreción de hormona luteinizante y clomifeno.
Ginecol Obstet Mex 33:167-84, Feb 73 (Spa)
ADULT/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ IMMUNOASSAY/ *LH, urine/ OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, urine/ STIMULATION, CHEMICAL

3325. **Rümelin K:** Allergisch-anaphylaktische Reaktionen und ihre Therapie. 2. Der anaphylaktische Schock.
Fortschr Med 90:1056-60, 19 Oct 72 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ *ANAPHYLAXIS/ ANAPHYLAXIS, drug therapy/ ANAPHYLAXIS, etiology/ ANAPHYLAXIS, physiopathology/ ANAPHYLAXIS, therapy/ ANOXIA, physiopathology/ BLOOD CIRCULATION/ BLOOD VOLUME/ HEART MASSAGE/ HUMAN/ MICROCIRCULATION/ PLASMA SUBSTITUTES, therapeutic use/ SYMPATHOLYTICS, therapeutic use/ VASOCONSTRICTOR AGENTS, therapeutic use

3326. **Rümke P:** Autoimmunität gegen Spermatozoen und Unfruchtbardeit des Mannes.
Andrologie 4:191-200, 1972 (95 ref.) (Ger)
ABORTION, etiology/ AGGLUTINATION TESTS/ ANTIBODY FORMATION/ *AUTOANTIBODIES, analysis/ FEMALE/ HUMAN/ MALE/ PREGNANCY/ REVIEW/ SEMEN, immunology/ SPERMATOGENESIS/ *SPERMATOZOA, immunology/ STERILITY, MALE, drug therapy/ *STERILITY, MALE, immunology/ TESTOSTERONE, therapeutic use/ TIME FACTORS

3327. **Rupp M, Bielfeld W, Hanrath P, et al:** Glucocorticoide zur Senkung der elektrischen Reizschwelle von Schrittmachern.
Dtsch Med Wochenschr 98:858-61, 27 Apr 73 (Ger)
AGED/ ELECTRODES, IMPLANTED/ ENGLISH ABSTRACT/ FEMALE/ *HEART RATE, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ *PACEMAKER, ARTIFICIAL/ POSTOPERATIVE COMPLICATIONS, drug therapy/ PREDNISOLONE, pharmacodynamics/ *PREDNISOLONE, therapeutic use

3328. **Rupp N, Radke J:** Knochenstrukturanalyse durch Vergrösserung im Röntgenbild.
Ged Zb Med Fak Skopje 118:335-9, Mar 73 (Ger)
ADOLESCENCE/ *BONE AND BONES, radiography/ ENGLISH ABSTRACT/ FEMORAL NEOPLASMS, radiography/ FEMUR HEAD, radiography/ HUMAN/ IMAGE ENHANCEMENT/ KNEE, radiography/ MALE/ METHODS/ MICRORADIOGRAPHY/ *RADIOGRAPHIC MAGNIFICATION/ SARCOMA, radiography

3329. **Rusak LV, Usachev VP:** K fiziologii dvigatel'noi aktivnosti tsetod.
Parazitologiia 7:160-3, Mar-Apr 73 (Rus)
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY SURFACE AREA/ CESTODA, drug effects/ *CESTODA, physiology/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ *LOCOMOTION, drug effects/ SEROTONIN, pharmacodynamics

3330. **Russell RG, Smith R:** Diphosphonates. Experimental and clinical aspects.
J Bone Joint Surg [Br] 55:86-86, Feb 73 (77 ref.)
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ *BONE AND BONES, metabolism/ BONE RESORPTION, prevention & control/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCINOSIS, prevention & control/ CALCIUM, metabolism/ DERMATOMYOSITIS, drug therapy/ FEMALE/ HUMAN/ MALE/ MINERALS, metabolism/ MYOSITIS OSSIFICANS, drug therapy/ OSSIFICATION, PATHOLOGIC, drug therapy/ OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, metabolism/ OSTEOPOROSIS, drug therapy/ *PHOSPHONIC ACIDS/ PHOSPHONIC ACIDS, metabolism/ PHOSPHONIC ACIDS, pharmacodynamics/ PHOSPHONIC ACIDS, therapeutic use/ REVIEW

3331. **Russell SL, Thomas GH:** The interconversion of oestrone and oestradiol-17 and the concentration of oestradiol-17 receptors in cultured rabbit uterus.
J Endocrinol 56:203-11, Feb 73
AUTORADIOGRAPHY/ CENTRIFUGATION/ CHROMATOGRAPHY/ *ESTRADIOL, metabolism/ ESTROGENS, antagonists & inhibitors/ *ESTRONE, metabolism/ FEMALE/ MUSCLES, metabolism/ ORGAN CULTURE/

RABBITS/ *RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM/ *UTERUS, metabolism/ VAGINA, metabolism

3332. **Russell WR, Walpole AL, Labhsetwar AP:** Cyclophosphamide: induction of superovulation in rats. Nature 241:129-30, 12 Jan 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, pharmacodynamics/ ESTRUS/ FEMALE/ FERTILIZATION, drug effects/ NIDATION, drug effects/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION, drug effects/ PREGNANCY/ RATS/ UTERUS, anatomy & histology

3333. **Ruthmann A, Permantier Y:** Spindel und Kinetochoren in der Mitose und Meiose der Baumwollwanze Dysdercus intermedius (Heteroptera.
Chromosoma 41:271-88, 1973 (Ger)
ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATIDS/ *CHROMOSOMES/ ENDOPLASMIC RETICULUM/ *INSECTS/ MALE/ *MEIOSIS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ *MITOSIS/ ORGANOIDS/ SPERMATOGENESIS/ TESTIS, cytology

3334. **Ryan KJ:** Endocrine subspecialization.
J Reprod Med 10:21-3, Jan 73
*ENDOCRINOLOGY/ FEMALE/ *GYNECOLOGY/ HUMAN/ *OBSTETRICS/ PREGNANCY/ REFERRAL AND CONSULTATION/ REPRODUCTION/ SOCIETIES, MEDICAL/ *SPECIALTIES, MEDICAL/ STERILITY

3335. **Ryan R, McNeil JS, Flamenbaum W, et al:** Uranyl nitrate induced acute renal failure in the rat: effect of varying doses and saline loading.
Proc Soc Exp Biol Med 143:289-96, May 73
ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ INJECTIONS, INTRAVENOUS/ ISOTONIC SOLUTIONS/ *KIDNEY, radiation effects/ KIDNEY CORTEX, pathology/ KIDNEY FAILURE, ACUTE, blood/ *KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY FAILURE, ACUTE, enzymology/ KIDNEY FAILURE, ACUTE, urine/ MALE/ *NITRATES, pharmacodynamics/ POTASSIUM, urine/ RATS/ RENIN, metabolism/ SODIUM, urine/ *SODIUM CHLORIDE, pharmacodynamics/ *URANIUM, pharmacodynamics/ UREMIA, blood/ UREMIA, urine

3336. **Rybakowa M, Dropowa K, Krop J, et al:** Zużycie glukozy i zachowanie się wolnych kwasów tłuszczowych osocza w karłowatości podwzgórzowo-przysadkowej oraz u dzieci z rodzinnym niskim wzrostem.
Pediatr Pol 48:279-84, Mar 73 (Pol)
ADOLESCENCE/ BLOOD SUGAR, analysis/ CHILD/ *DWARFISM, PITUITARY, blood/ DWARFISM, PITUITARY, metabolism/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *GLUCOSE, metabolism/ *GROWTH DISORDERS, blood/ GROWTH DISORDERS, familial & genetic/ GROWTH DISORDERS, metabolism/ HUMAN/ MALE

3337. **Rybakowski J, Sowiński J:** Free-thyroxine index and absolute free-thyroxine in affective disorders.
Lancet 808:889, 21 Apr 73
ADULT/ DEPRESSION, CHEMICAL/ HUMAN/ *LITHIUM, adverse effects/ LONG TERM CARE/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion/ *THYROXINE, blood/ THYROXINE, secretion

3338. **Ryo UY, Beierwaltes WH:** Distribution of 14 C-isoxazole in adrenals, ovaries, and breast carcinoma.
J Nucl Med 14:321-5, Jun 73
ADIPOSE TISSUE, metabolism/ *ADRENAL GLANDS, metabolism/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ *BREAST NEOPLASMS, metabolism/ CARBON ISOTOPES/ CARCINOMA, DUCTAL, metabolism/ CARCINOMA, SCIRRHOUS, metabolism/ FALLOPIAN TUBES, metabolism/ FEMALE/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ ISOMERASES, antagonists & inhibitors/ KIDNEY, metabolism/ LIVER, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MIDDLE AGE/ MUSCLES, metabolism/ *OVARY, metabolism/ OXAZOLES, blood/ *OXAZOLES, metabolism/ RATS/ SKIN, metabolism

3339. **Rytel MW, Balay J:** Impaired production of interferon in lymphocytes from immunosuppressed patients.
J Infect Dis 127:445-9, Apr 73
AZATHIOPRINE, therapeutic use/ BLOOD UREA NITROGEN/ CREATININE, blood/ CYTOMEGALOVIRUSES, isolation & purification/ FIBROBLASTS/ HUMAN/ IMMUNE SERUMS/ *IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INTERFERON, analysis/ *INTERFERON, biosynthesis/ KIDNEY, transplantation/ LEUKOCYTE COUNT/ LYMPHOCYTES/ *LYMPHOCYTES, metabolism/ MALE/ METHYLPREDNISOLONE, therapeutic use/ NEWCASTLE DISEASE VIRUS/ PENIS/ PREDNISONE, therapeutic use/ TISSUE CULTURE/ TRANSPLANTATION, HOMOLOGOUS/ VESICULAR STOMATITIS VIRUS, drug effects

S

3340. **Saat YA, Gower DB, Harrison FA, et al:** Studies on the biosynthesis in vivo and excretion of 16-unsaturated C 19 steroids in the boar. Biochem J 129:657-63, Sep 72
*ANDROGENS, biosynthesis/ ANDROGENS, blood/ ANDROGENS, urine/ *ANDROSTANES, biosynthesis/ ANDROSTANES, blood/ ANDROSTANES, urine/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ GLUCURONATES, urine/ INJECTIONS, INTRA-ARTERIAL/ MALE/ PREGNENOLONE, metabolism/ SULFATES, analysis/ SULFATES, urine/ SWINE/ *TESTIS, metabolism/ TRITIUM

3341. **Sabatini DE:** Management of uncontrolled thyroid carcinoma. Med Ann DC 42:125-8, Mar 73
ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RADIOISOTOPE SCANNING/ *THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, drug therapy/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ THYROTROPIN, therapeutic use

3342. **Sabir M, Singh M, Bhide NK:** Spasmolytic effect of polysorbates (Tweens) 80 and 20 isolated tissues.
Indian J Physiol Pharmacol 16:193-9, Jul-Sep 72
ABDOMINAL WALL, drug effects/ ACETYLCHOLINE, antagonists & inhibitors/ ANAPHYLAXIS, prevention & control/ ANGIOTENSIN, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BRADYKININ, antagonists & inhibitors/ CARBACHOL, antagonists & inhibitors/ EPINEPHRINE, antagonists & inhibitors/ FEMALE/ GUINEA PIGS/ IN VITRO/ INTESTINES, drug effects/ ISOPROTERENOL, antagonists & inhibitors/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ OXYTOCIN, antagonists & inhibitors/ POTASSIUM CHLORIDE, antagonists & inhibitors/ PROSTAGLANDINS, antagonists & inhibitors/ RABBITS/ RATS/ SEMINAL VESICLES, drug effects/ SEROTONIN, antagonists & inhibitors/ *SURFACE-ACTIVE AGENTS, pharmacodynamics/ UTERUS, drug effects

3343. **Sacco AG, Shivers CA:** Antigens of the rabbit ovary, oviduct and uterus. J Reprod Fertil 32:403-14, Mar 73
ABSORPTION/ ANIMAL EXPERIMENTS/

*ANTIGENS, analysis/ *FALLOPIAN TUBES, immunology/ FEMALE/ GEL DIFFUSION TESTS/ IMMUNE SERUMS/ KIDNEY, immunology/ ORGAN SPECIFICITY/ *OVARY, immunology/ RABBITS/ SHEEP, immunology/ SPLEEN, immunology/ *UTERUS, immunology

3344. **Sacco AG, Shivers CA:** Comparison of antigens in the ovary, oviduct and uterus of the rabbit and other mammalian species. J Reprod Fertil 32:421-7, Mar 73
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ *FALLOPIAN TUBES, immunology/ FEMALE/ GEL DIFFUSION TESTS/ GUINEA PIGS/ HAMSTERS/ IMMUNE SERUMS/ KIDNEY, immunology/ MICE/ ORGAN SPECIFICITY/ *OVARY, immunology/ RABBITS/ RATS/ SHEEP, immunology/ SPLEEN, immunology/ *UTERUS, immunology

3345. **Sacco AG, Shivers CA:** Localization of tissue-specific antigens in the rabbit ovary, oviduct and uterus by the fluorescent antibody technique.
J Reprod Fertil 32:415-20, Mar 73
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ *FALLOPIAN TUBES, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GRAAFIAN FOLLICLE, immunology/ IMMUNE SERUMS/ MICROSCOPY, FLUORESCENCE/ ORGAN SPECIFICITY/ *OVARY, immunology/ OVUM, immunology/ RABBITS/ SHEEP, immunology/ *UTERUS, immunology

3346. **Sack H:** Isotopenuntersuchungen des Calcium- und Knochenstoffwechsels bei Systemerkrankungen des Skeletts. Radiologe 13:125-7, Mar 73 (Ger)
*BONE DISEASES, metabolism/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ HALF-LIFE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, metabolism/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ OSTEOMALACIA, metabolism/ OSTEOPOROSIS, metabolism/ TIME FACTORS

3347. **Sackeyfio AC:** Anaphylatoxin-induced release of a substance with prostaglandin-like activity in isolated perfused guinea-pig lungs.
Br J Pharmacol 46:544P-545P, Nov 72
*ANAPHYLAXIS/ ANIMAL EXPERIMENTS/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ *LUNG, secretion/ MEPERIDINE, pharmacodynamics/ *PROSTAGLANDINS, secretion/ *TOXINS,

3348. **Sadoff L, Winkley J, Tyson S:** Is malignant melanoma an endocrine-dependent tumor? The possible adverse effect of estrogen. Oncology 27:244-57, 1973
ADULT/ AGED/ CALIFORNIA/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MALE/ MELANOMA, occurrence/ *MELANOMA, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEW YORK CITY/ PREGNANCY/ *SKIN NEOPLASMS, pathology

3349. **Saeger W:** Licht- und elektronenoptische Untersuchungen zur sekretorischen Aktivität von Hypophysenadenomen bei Akromegalie.
Virchows Arch [Pathol Anat] 358:343-54, 19 Feb 73 (Ger)
*ACROMEGALY, pathology/ *ADENOMA, pathology/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ HUMAN/ MICROSCOPY, ELECTRON/ NEOPLASM RECURRENCE, LOCAL/ *PITUITARY NEOPLASMS, pathology/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion

3350. **Saenger W, Suck D:** The relationship between hydrogen bonding and base stacking in crystalline 4-thiouridine derivatives. Eur J Biochem 32:473-8, 1 Feb 73
ACETIC ACIDS/ ARABINOSE/ BINDING SITES/ CHEMISTRY/ *HYDROGEN/ METHYLTHIOURACIL/ OXYGEN/ RNA, TRANSFER/ SULFIDES/ THIOURACIL/ THIOURIDINE/ THYMIDINE/ *URIDINE/ X-RAY DIFFRACTION

3351. **Saez JM, Morera AM, Dazord A, et al:** Adrenal and testicular contribution to plasma oestrogens.
J Endocrinol 55:41-9, Oct 72
*ADRENAL GLANDS, secretion/ ADULT/ AGED/ ANDROSTANES, blood/ BREAST NEOPLASMS, therapy/ CASTRATION/ CORTICOTROPIN, pharmacodynamics/ DEHYDROEPIANDROSTERONE, blood/ DEXAMETHASONE, diagnostic use/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPERTENSION, blood/ ILIAC VEIN/ 17-KETOSTEROIDS, blood/ MALE/ MENOPAUSE/ MIDDLE AGE/ NEOPLASMS, diagnosis/ RADIOLIGAND ASSAY/ RENAL VEINS/ *TESTIS, secretion/ TESTOSTERONE, blood

3352. **Sagel J:** De specifieke rotaties van de hormonen, beschreven in de Nederlandse Farmacopee, bepaald voor de golflengten van de sterkste kwiklijnen en de natrium-D-lijn.
Pharm Weekbl 108:265-70, 30 Mar 73 (Dut)
ENGLISH ABSTRACT/ *HORMONES, analysis/ MERCURY, analysis/ NETHERLANDS/ *OPTICAL ROTATORY DISPERSION/ PHARMACOPOEIAS/ SODIUM, analysis

3353. **Sahn SA, Lakshminarayan S, Char DC:** "Silent" empyema in patients receiving corticosteroids.
Am Rev Respir Dis 107:873-6, May 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *EMPYEMA, etiology/ *GLOMERULONEPHRITIS, complications/ HUMAN/ *LUNG DISEASES, complications/ MALE/ MIDDLE AGE/ *MUSCULAR DISEASES, complications/ MUSCULAR DISEASES, drug therapy/ PLEURAL EFFUSION, etiology

3354. **Sairam MR, Li CH:** Human pituitary thyrotropin: isolation and chemical characterization of its subunits.
Biochem Biophys Res Commun 51:336-42, 17 Mar 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AUTOANALYSIS/ CATTLE/ CHROMATOGRAPHY/ CHYMOTRYPSIN/ DIALYSIS/ ELECTROPHORESIS/ HUMAN/ HYDROLYSIS/ PEPTIDES, analysis/ *PITUITARY GLAND, analysis/ *THYROTROPIN, analysis/ THYROTROPIN, isolation & purification/ TRYPSIN

3355. **Saito N:** Lactic dehydrogenase isozymes in leprosy patients. Int J Lepr 40:251-9, Jul-Sep 72
AUTOPSY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ KINETICS/ *LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ LEPROSY, blood/ *LEPROSY, enzymology/ *LYMPH NODES, enzymology/ *LYMPHOCYTES, enzymology/ MALE/ *PERIPHERAL NERVES, enzymology/ *SKIN, enzymology/ *TESTIS, enzymology

3356. **Sakoda M:** [Hypothalamic hormone: its historic milestone] Jap J Clin Med 31:227-32, Jan 73 (Jap)
HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ PHYSIOLOGY, history/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, metabolism

3357. **Saksena SK, Steele R, Harper MJ:** Effects of exogenous oestradiol and progesterone on serum levels of prostaglandin F and luteinizing hormone in chronically ovariectomized rats.
J Reprod Fertil 32:495-9, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ *PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ RATS/ TRITIUM

3358. **Salamonsen LA, Burger HG, Chamley WA, et al:** Studies on a radioimmunoassay for ovine follicle stimulating hormone: interference by ovine albumin.
Aust J Exp Biol Med Sci 51:83-92, Feb 73

ANTIBODIES/ BLOOD/ CATTLE/ CROSS REACTIONS/ DRUG ADULTERATION/ ELECTROPHORESIS, DISK/ *FSH, blood/ GEL FILTRATION/ GOATS, immunology/ GUINEA PIGS, immunology/ HUMAN/ IODINE ISOTOPES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SERUM ALBUMIN/ SERUM ALBUMIN, RADIO-IODINATED/ SHEEP/ TURKEYS, immunology

3359. Salaverry G, Méndez M del C, Zipper J, et al: Copper determination and localization in different morphologic components of human endometrium during the menstrual cycle in copper intrauterine contraceptive device wearers.
Am J Obstet Gynecol 115:163-8, 15 Jan 73
*COPPER, analysis/ *ENDOMETRIUM, analysis/ ENDOMETRIUM, cytology/ EPITHELIAL CELLS, analysis/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES/ LEUKOCYTES/ *MENSTRUATION/ MICROSCOPY, PHASE CONTRAST/ MUCOUS MEMBRANE, analysis/ PREGNANCY/ PROGESTERONE, physiology

3360. Salem GM, Saiti IS, Abu-Haydar FR: Peutz-Jeghers syndrome. Report of two cases from Lebanon, associated with endocrine abnormalities.
J Med Liban 25:475-80, 1972
*ADENOMA, complications/ ADULT/ FEMALE/ HUMAN/ *HYPOGONADISM, complications/ LEBANON/ MALE/ *PEUTZ-JEGHERS SYNDROME, complications/ *THYROID NEOPLASMS, complications

3361. Sall S, Stone ML: The treatment of ovarian cancer.
Prog Clin Cancer 5:249-62, 1973
ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION/ CHILD/ CHILD, PRESCHOOL/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy/ OVARY, surgery

3362. Sallmander U: P-piller och hypertension.
Lakartidningen 70:1368-9, 4 Apr 73 (Swe)
ADULT/ ALBUMINURIA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ EYE DISEASES, chemically induced/ FEMALE/ HEART RATE/ HUMAN/ *HYPERTENSION, chemically induced/ PROTEINURIA, chemically induced/ *THROMBOEMBOLISM, chemically induced/ VISION DISORDERS, chemically induced

3363. Salmon SE: Immunoglobulin synthesis and tumor kinetics of multiple myeloma.
Semin Hematol 10:135-44, Apr 73
ANIMAL EXPERIMENTS/ CHALONES, metabolism/ CLONE CELLS/ HUMAN/ *IMMUNOGLOBULINS, biosynthesis/ KINETICS/ B-LYMPHOCYTES, metabolism/ MELPHALAN, therapeutic use/ MICE/ MULTIPLE MYELOMA, diagnosis/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, physiopathology/ MYELOMA PROTEINS, biosynthesis/ PREDNISONE, therapeutic use/ RADIOIMMUNOASSAY

3364. Salomon CD, Volpin G, Ornoy A: Effect of thyrocalcitonin on metatarsal bones of normal and calcium-deficient young rats.
Isr J Med Sci 9:199-202, Feb 73
ANIMAL EXPERIMENTS/ BONE AND BONES, anatomy & histology/ *BONE DEVELOPMENT, drug effects/ *CALCIUM, DIETARY/ DEFICIENCY DISEASES, physiopathology/ FEMALE/ METATARSUS, anatomy & histology/ METATARSUS, drug effects/ *METATARSUS, growth & development/ RATS/ STAINS AND STAINING/ SWINE/ *THYROCALCITONIN, pharmacodynamics

3365. Saluja PG, Gronow M, Hamilton JM: Measurement of canine pituitary prolactin.
J Endocrinol 56:245-58, Feb 73
ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CROP, AVIAN, drug effects/ DENSITOMETRY/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRUS/ FEMALE/ GELS/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ SHEEP/ STAINS AND STAINING

3366. Salvador RA, Tsai I: Collagen proline hydroxylase activity in the uterus of the rat during rapid collagen synthesis in vivo.
Arch Biochem Biophys 154:583-92, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ COENZYMES, analysis/ COLLAGEN/ *COLLAGEN, biosynthesis/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ FLUOROURACIL, pharmacodynamics/ *HYDROXYLASES, analysis/ LIVER, enzymology/ OVARY, physiology/ PROLINE HYDROXYLASE, analysis/ RATS/ SKIN, enzymology/ UTERUS, drug effects/ UTERUS, enzymology

3367. Salyer D, Carter D: Squamous carcinoma arising in the pituitary gland. Cancer 31:713-8, Mar 73
BRAIN, pathology/ *CARCINOMA, EPIDERMOID, complications/ CARCINOMA, EPIDERMOID, pathology/ *EPIDERMAL CYST, complications/ EPITHELIAL CELLS/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *PITUITARY DISEASES, complications/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, pathology

3368. Salz JL, Daum F, Cohen MI: Serum alkaline phosphatase activity during adolescence.
J Pediatr 82:536-7, Mar 73
ADOLESCENCE/ ADULT/ *ALKALINE PHOSPHATASE, blood/ FEMALE/ HUMAN/ MALE/ PUBERTY

3369. Salzmann G: Der Einfluss von Cyclophosphamid auf da Zwischenhirn-Hypophysensystem der Ratte. Licht und ELektronenmikroskopische Untersuchungen
Strahlentherapie 145:334-45, Mar 73 (Ger
ANIMAL EXPERIMENTS/ *CYCLOPHOSPHAMIDE, pharmacodynamics/ *DIENCEPHALON, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, drug effects/ LYSOSOMES, cytology/ MICROSCOPY, ELECTRON/ NEUROSECRETION, drug effects NEUROSECRETORY SYSTEMS, drug effects/ NEUROSECRETORY SYSTEMS, drug effects/ NEUROSECRETORY SYSTEMS, metabolism/ NEUROSECRETORY SYSTEMS, metabolism/ PITUITARY GLAND, POSTERIOR, cytology/ *PITUITARY GLAND, POSTERIOR, drug effects/ RATS

3370. Samaan NA: Mechanism of diabetes in pregnancy ar hormonal levels for prediction of fetal outcom
Tex Med 69:68-71, Apr 73
ADULT/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ FETAL DISEASES, etiology/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ *PLACENTAL HORMONES, analysis PREGNANCY/ *PREGNANCY IN DIABETES/ *PROLACTIN, analysis/ *SOMATOTROPIN, analysis

3371. Samaan NA, Hill CS Jr, Beceiro JR, et al: Immunoreactive calcitonin in medullary carcinoma the thyroid and in maternal and cord serur
J Lab Clin Med 81:671-81, May 73

*ANTIGENS, analysis/ BLOOD/ CALCIUM, diagnostic use/ *CARCINOMA, blood/ FASTING/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROCALCITONIN, blood/ *THYROID NEOPLASMS, blood/ UMBILICAL CORD

3372. **Sammelwitz PH, Schreck CB, Hopwood ML:** Binding of cyproterone acetate to plasma proteins.
Proc Soc Exp Biol Med 143:189-91, May 73
ACETATES/ ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ CORTICOSTERONE, blood/ CYPROTERONE, blood/ DOGS/ *ESTRADIOL, antagonists & inhibitors/ *PREGNADIENES, blood/ PROTEIN BINDING/ SERUM GLOBULINS, metabolism/ TESTOSTERONE, blood/ TRITIUM

3373. **Sammour MB, Ramadan ME, Salah M:** Effect of chlormadinone on the composition of human milk.
Fertil Steril 24:301-4, Apr 73
CHLORIDES, analysis/ *CHLORMADINONE, pharmacodynamics/ CHLORMADINONE, therapeutic use/ FEMALE/ HUMAN/ LACTATION/ LACTOSE, analysis/ LIPIDS, analysis/ *MILK, HUMAN/ MILK, HUMAN, analysis/ MILK PROTEINS, analysis

3374. **Sampat MB, Sirsat MV:** The thyroid gland in hyperthyroidism. Indian J Med Res 60:851-8, Jun 72
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, pathology/ HYPERTHYROIDISM, therapy/ IODINE, therapeutic use/ IODINE ISOTOPES, therapeutic use/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ RECURRENCE/ THYROID ANTAGONISTS, therapeutic use/ *THYROID GLAND, pathology/ THYROIDITIS, LYMPHOMATOUS, pathology

3375. **Sampson D, Albert DJ:** Alternate-day therapy with methylprednisolone after renal transplantation.
J Urol 109:345-8, Mar 73
BLOOD PRESSURE, drug effects/ BLOOD SUGAR, analysis/ HUMAN/ *HYPERTENSION, prevention & control/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *KIDNEY, transplantation/ *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

3376. **Samson ID:** Thyroid disease in the Johanneshurg urban Bantu. S Afr J Surg 10:167-70, Sep 72
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ GOITER, NODULAR, surgery/ HUMAN/ MALE/ MIDDLE AGE/ *NEGROES/ SEX FACTORS/ SOUTH AFRICA/ *THYROID DISEASES, occurrence/ THYROIDECTOMY/ THYROIDITIS, LYMPHOMATOUS, occurrence/ URBAN POPULATION

3377. **Samsonov VA:** O patogeneze iazvennoĭ bolezni zheludka i dvenadtsatiperstnoĭ kishki.
Arkh Patol 34:3-11, 1972 (101 ref.) (Rus)
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, adverse effects/ ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ DUODENAL DISEASES, complications/ DUODENAL ULCER, complications/ *DUODENAL ULCER, etiology/ DUODENAL ULCER, pathology/ ENDARTERITIS, complications/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ GASTRIC JUICE, secretion/ GASTRIC MUCIN, secretion/ GASTRITIS, complications/ HISTAMINE, metabolism/ HUMAN/ MUCIN, secretion/ NERVOUS SYSTEM DISEASES, complications/ PEPTIC ULCER, chemically induced/ PEPTIC ULCER, familial & genetic/ PEPTIC ULCER, metabolism/ REVIEW/ STOMACH, blood supply/ STOMACH ULCER, complications/ *STOMACH ULCER, etiology/ STOMACH ULCER, pathology/ THROMBOEMBOLISM, complications/ VAGUS NERVE

3378. **Sanborn BM, Bhalla RC, Korenman SG:** The endometrial adenosine cyclic 3':5'-monophosphate-dependent protein kinase. Distribution, subunit structure, and kinetics of adenosine cyclic 3':5'-monophosphate binding.
J Biol Chem 248:3593-600, 25 May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ CYTOSOL, enzymology/ ENDOMETRIUM, cytology/ *ENDOMETRIUM, enzymology/ ENZYME ACTIVATION/ FEMALE/ KINETICS/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ PROTEINS, isolation & purification/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM/ ULTRAFILTRATION

3379. **Sánchez Martín JA:** AMP-cíclo y funcionamiento del eje hipotalamo-hipofisis-tiroideo.
Rev Iber Endocrinol 20:27-44, Jan-Feb 73 (Spa)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ CELL MEMBRANE, enzymology/ ENGLISH ABSTRACT/ GLUCOSE, metabolism/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ *HYPOTHALAMUS, physiology/ IODINE, metabolism/ NUCLEOPROTEINS, metabolism/ PHOSPHOLIPIDS, metabolism/ PITUITARY GLAND, secretion/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ THYROTROPIN, biosynthesis/ THYROTROPIN, metabolism/ THYROTROPIN, secretion/ TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, physiology

3380. **Sandalli P:** Triamcinolone acetonide'in gingivitis üzerindeki etkileri ile ilgili eksperimental ve klinik çalişmalar. Dishekim Derg 3:533-56, Oct 72 (Tur)
GINGIVITIS, drug therapy/ SPECIAL LIST DENTAL/ TRIAMCINOLONE ACETONIDE, therapeutic use

3381. **Sandberg AA, Sakurai M:** The missing Y chromosome and human leukaemia. Lancet 1:375, 17 Feb 73
ADULT/ AGE FACTORS/ AGED/ CHROMOSOME ABERRATIONS/ HUMAN/ *LEUKEMIA, familial & genetic/ LEUKEMIA, occurrence/ MALE/ MIDDLE AGE/ *SEX CHROMOSOMES

3382. **Sandberg JS, Wood HB Jr, Engle RR, et al:** Methanesulfonates: the relationship of structure to antitumor activity.
Cancer Chemother Rep [Suppl] 3:137-229, Nov 72
ADENOCARCINOMA, drug therapy/ ALCOHOLS, therapeutic use/ *ALKYL SULFONATES, therapeutic use/ ALKYLATION/ AMINES, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARBOHYDRATES/ CARCINOMA, drug therapy/ CARCINOMA 256, WALKER, drug therapy/ CYCLIZATION/ LEUKEMIA L1210, drug therapy/ LUNG NEOPLASMS, drug therapy/ MICE/ NITROGEN, therapeutic use/ NUCLEOSIDES, therapeutic use/ PIPERAZINES, therapeutic use/ RATS/ SARCOMA 180, CROCKER, drug therapy/ STEROIDS, therapeutic use/ STRUCTURE-ACTIVITY RELATIONSHIP

3383. **Sandifer JB, Tombes AS:** Ultrastructure of the lateral neurosecretory cells during reproductive development of Sitophilus granarius (L.) (Insecta: Coleoptera). Tissue Cell 4:437-46, 1972
ANIMAL EXPERIMENTS/ *BEETLES, anatomy & histology/ BEETLES, growth & development/ BRAIN, cytology/ CELL NUCLEUS/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ MITOCHONDRIA/ NEURALGIA/ *NEUROSECRETORY SYSTEMS, cytology/ REPRODUCTION

3384. **Sandler M, Goodwin BL, Leask BG, et al:**

Melanocyte-stimulating hormone and parkinsonism: the role of hypothalamic releasing factors.
Lancet 1:612, 17 Mar 73
ANIMAL EXPERIMENTS/ DOPA, metabolism/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *MSH, blood/ MSH, pharmacodynamics/ *PARKINSONISM, blood/ PITUITARY HORMONE RELEASING FACTORS, antagonists & inhibitors/ RATS/ THYROTROPIN RELEASING FACTOR, pharmacodynamics

3385. Sandri R: Su di un caso di reticolo-endoteliosi cutanea.
Minerva Med 64:623-8, 10 Mar 73 (Ita)
ANTINEOPLASTIC AGENTS, therapeutic use/ AUTOPSY/ BIOPSY/ CORTISONE, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ RETICULOENDOTHELIOSIS, diagnosis/ RETICULOENDOTHELIOSIS, drug therapy/ *RETICULOENDOTHELIOSIS, pathology/ SKIN NEOPLASMS, diagnosis/ SKIN NEOPLASMS, drug therapy/ *SKIN NEOPLASMS, pathology

3386. Sands H, Meyer TA, Rickenberg HV: Adenosine 3',5'-monophosphate-dependent protein kinase of bovine tracheal smooth muscle.
Biochim Biophys Acta 302:267-81, 12 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CATIONS, DIVALENT/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MOLECULAR WEIGHT/ *MUSCLE, SMOOTH, enzymology/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, isolation & purification/ PROTEIN BINDING/ PROTEIN KINASE/ PROTEIN KINASE, isolation & purification/ PROTEINS/ TIME FACTORS/ TRACHEA, enzymology/ TRITIUM

3387. Sanfelippo PM, Beahrs OH, McConahey WM, et al: Indications for thyroidectomy.
Mayo Clin Proc 48:269-72, Apr 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ GOITER, surgery/ GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPOCALCEMIA, etiology/ LYMPH NODE EXCISION/ MALE/ MIDDLE AGE/ RADICAL NECK DISSECTION/ *THYROID DISEASES, surgery/ *THYROID NEOPLASMS, surgery/ *THYROIDECTOMY/ THYROIDITIS, complications/ THYROIDITIS, LYMPHOMATOUS, surgery/ TRACHEOTOMY

3388. Santesteban A: Schwartz syndrome: another case report. J Pediatr 82:1094-5, Jun 73
*ABNORMALITIES, MULTIPLE/ *BONE AND BONES, abnormalities/ *DWARFISM/ *EPONYMS/ HUMAN/ *MUSCULAR DYSTROPHY/ SYNDROME

3389. Santesteban A: Cryptorchidism in the newborn.
Pediatrics 51:310-1, Feb 73
*CRYPTORCHISM, occurrence/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE, DISEASES, occurrence/ MALE

3390. Sarkisian RG: Klinicheskaia i gormonal'naia kharakteristika zaderzhki polovogo razvitiia devushek.
Akush Ginekol (Mosk) 49:28-31, Jan 73 (Rus)
ADOLESCENCE/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ GROWTH DISORDERS, metabolism/ HUMAN/ *HYPOGONADISM, metabolism/ 17-KETOSTEROIDS, urine/ OVARY, growth & development/ OVARY, secretion/ *PITUITARY-ADRENAL FUNCTION TESTS/ SEX CHROMATIN, analysis/ *SEX DIFFERENTIATION DISORDERS, metabolism/ *SEX HORMONES, biosynthesis

3391. Sarto GE, Therman E, Patau K: X inactivation in man: a woman with t(Xq--;12q+).
Am J Hum Genet 25:262-70, May 73
ADULT/ *AMENORRHEA/ AUTORADIOGRAPHY/ AUTOSOME ABNORMALITIES/ *CHROMOSOME ABERRATIONS/ CYTOGENETICS/ FEMALE/ HUMAN/ KARYOTYPING/ SEX CHROMATIN, analysis/ *SEX CHROMOSOME ABNORMALITIES

3392. Sato A, Yokimura Y, Oashi T, et al: Paradoxical effect of excess iodide on thyroidal release of organic iodine in thyroxine-treated animals.
Endocrinology 92:946-8, Mar 73
ANIMAL EXPERIMENTS/ *IODIDES, pharmacodynamics/ *IODINE, metabolism/ MALE/ MICE/ PROTEIN-BOUND IODINE TEST/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROXINE, blood/ *THYROXINE, pharmacodynamics/ TIME FACTORS

3393. Sato K: Stimulation of pentose cycle in the eccrine sweat gland by adrenergic drugs.
Am J Physiol 224:1149-54, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE/ *GLUCOSE, metabolism/ HAND/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LACTATES, biosynthesis/ MACACA/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MONKEYS/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ STIMULATION, CHEMICAL/ *SWEAT GLANDS, metabolism/ *SYMPATHOLYTICS, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

3394. Sato S, Kowalski K, Burke G: Effects of a prostaglandin antagonist, polyphloretin phosphate, on basal and stimulated thyroid function.
Prostaglandins 1:345-63, May 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CATTLE/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GEL FILTRATION/ IODINE, metabolism/ IODINE ISOTOPES/ LATEX PARTICLES/ PHAGOCYTOSIS, drug effects/ PHLORETIN, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROTROPIN, pharmacodynamics

3395. Sato T, Ami K, Matsumoto S: The induction of abortion and menstruation by the intravaginal administration of prostaglandin F 2a .
Am J Obstet Gynecol 116:287-9, 15 May 73
*ABORTION, INDUCED/ ADULT/ DIARRHEA, chemically induced/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ NAUSEA, chemically induced/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, pharmacodynamics/ VAGINA/ VOMITING, chemically induced

3396. Sato T, Kobayashi H, Tauchi H: [Age difference in the cortisone induced changes of the hepatic cells in mice 2. Ultramicromeasurement and enzymatic cytochemistry by electron microscopy]
Jap J Geriatr 10:42-9, Jan 73 (Jap
*AGING/ ANIMAL EXPERIMENTS/ *CORTISONE, pharmacodynamics/ CYTOCHROME OXIDASE, metabolism/ ENDOPLASMIC RETICULUM, drug effects/ ENGLISH ABSTRACT/

GLUCOSEPHOSPHATASE, metabolism/ HISTOCYTOCHEMISTRY/ *LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, drug effects/ PEROXIDASES, metabolism

3397. Sato T, Yamamoto M, Nakahama H: Influence of synchronized sleep upon spontaneous and induced discharges of single units in visual system.
Exp Brain Res 16:533-41, 19 Mar 73
ANIMAL EXPERIMENTS/ CATS/ ELECTROENCEPHALOGRAPHY/ *GENICULATE BODIES, physiology/ *HYPOTHALAMUS, physiology/ NEURONS/ *SLEEP/ *THALAMIC NUCLEI, physiology/ TIME FACTORS/ VISUAL PATHWAYS, physiology/ WAKEFULNESS

3398. Sauer LA, Park R: A stimulation by phosphate of malate transport and oxidation in rat adrenal mitochondria.
Biochemistry 12:643-9, Feb 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CYANIDES, pharmacodynamics/ DIURETICS, MERCURIAL, pharmacodynamics/ IN VITRO/ KINETICS/ MALATE DEHYDROGENASE, metabolism/ *MALATES, metabolism/ MALE/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ NAD, metabolism/ OLIGOMYCIN, pharmacodynamics/ OXIDATION-REDUCTION/ *PHOSPHATES, pharmacodynamics/ PYRUVATES, metabolism/ RATS/ ROTENONE, pharmacodynamics/ TIME FACTORS/ VIBRATION

3399. Saum WR, De Groat WC: The actions of 5-hydroxytryptamine on the urinary bladder and on vesical autonomic ganglia in the cat.
J Pharmacol Exp Ther 185:70-83, Apr 73
AMMONIUM COMPOUNDS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *BLADDER, drug effects/ BLADDER, innervation/ CATS/ ELECTRIC STIMULATION/ FEMALE/ *GANGLIA, AUTONOMIC, drug effects/ GUANETHIDINE, pharmacodynamics/ HEMICHOLINIUM 3, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ NICOTINE, antagonists & inhibitors/ PICROTOXIN, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics

3400. Sauvigny E: Klinsche Erfahrungen bei der Behandlung der Kolitis mit Triamcinolon-Acetonid-Einläufen.
Med Welt 24:747-9, 4 May 73 (Ger)
ADULT/ AGED/ *COLITIS, ULCERATIVE, drug therapy/ ENEMA/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3401. Savel'ev AI: Vliianie geparina na soderzhanie serotonina i svertyvaemost' krovi u bol'nykh koronarnym ateroskierozom v predynfarktnom sostoianli.
Vrach Delo 11:14-8, Nov 72 (Rus)
ADULT/ AGED/ ARTERIOSCLEROSIS, blood/ ARTERIOSCLEROSIS, complications/ CORONARY DISEASE, blood/ *CORONARY DISEASE, complications/ ENGLISH ABSTRACT/ FEMALE/ *HEPARIN, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, prevention & control/ *SEROTONIN, blood

3402. Sawaki Y, Yagi K: Electrophysiological identification of cell bodies of the tubero-infundibular neurones in the rat. J Physiol (Lond) 230:75-85, Apr 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ FEMALE/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MICROELECTRODES/ NEURAL TRANSMISSION/ *NEURONS, physiology/ RATS/ REFRACTORY PERIOD, NEUROLOGIC

3403. Sawin CT, Longcope C, Schmitt GW, et al: Blood levels of gonadotropins and gonadal hormones in gynecomastia associated with chronic hemodialysis.
J Clin Endocrinol Metab 36:988-90, May 73
ADULT/ ESTRADIOL, blood/ *FSH, blood/ *GYNECOMASTIA, blood/ GYNECOMASTIA, etiology/ HEMODIALYSIS, adverse effects/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ *LH, blood/ MALE/ PROLACTIN, blood/ *TESTOSTERONE, blood

3404. Saxena VS: Seminoma of the testis.
Am J Roentgenol Radium Ther Nucl Med 117:643-52, Mar 73
ADULT/ ANGIOGRAPHY/ CASTRATION/ COBALT ISOTOPES, therapeutic use/ DISGERMINOMA, mortality/ DISGERMINOMA, radiography/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ *DISGERMINOMA, therapy/ FOLLOW-UP STUDIES/ HUMAN/ LYMPH NODE EXCISION/ LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ RADIOISOTOPE TELETHERAPY/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, therapy/ TIME FACTORS

3405. Sazonova NS, Suvorova KN: Siuchai kserodermicheskoi idiotii (sindrom Sanktis-Kakione.
Zh Nevropatol Psikhiatr 72:1379-81, 1972 (Rus)
CASE REPORT/ CHILD/ *DWARFISM, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IDIOCY, complications/ *MICROCEPHALY, complications/ *XERODERMA PIGMENTOSUM, complications

3406. Scarpa JB: Ginecomastias.
Rev Clin Esp 128:361-8, 15 Mar 73 (41 ref.) (Spa)
ADOLESCENCE/ ADULT/ AGED/ CEREBROVASCULAR DISORDERS, complications/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, adverse effects/ GYNECOMASTIA, chemically induced/ GYNECOMASTIA, complications/ *GYNECOMASTIA, etiology/ GYNECOMASTIA, familial & genetic/ HUMAN/ HYPERTHYROIDISM, complications/ HYPOGONADISM, complications/ INFANT/ INFANT, NEWBORN/ MALE/ METABOLIC DISEASES, complications/ MIDDLE AGE/ NEOPLASMS, complications/ NEUROMUSCULAR DISEASES, complications/ NUTRITION DISORDERS, complications/ PSEUDOHERMAPHRODITISM, complications/ RESPIRATORY TRACT DISEASES, complications/ REVIEW/ SKIN DISEASES, complications

3407. Schaeppi U, Heyman IA, Fleischman RW, et al: Toxicity in beagle dogs of three alkylating esters with antitumor activity: phenesterin (NSC-104469), estradiol mustard (NSC-112259), and dehydroepiandrosterone mustard (NSC-12121).
Cancer Chemother Rep [Suppl] 4:Suppl:85-95, Jan 73
AMINOTRANSFERASES, blood/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ BLOOD UREA NITROGEN/ BODY WEIGHT/ CENTRAL NERVOUS SYSTEM, drug effects/ *DEHYDROEPIANDROSTERONE, toxicity/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, toxicity/ FEMALE/ HYPERPLASIA, chemically induced/ LIVER, drug effects/ MALE/ MITOSIS, drug effects/ *MUSTARD COMPOUNDS, toxicity/ *PHENESTERIN, toxicity/ POTASSIUM, pharmacodynamics/ SODIUM, pharmacodynamics/ SPERMATOGENESIS, drug effects/ WATER-ELECTROLYTE BALANCE

3408. Schafer JH, Christenson RK, Teague HS, et al: Effects of metballibure on early pregnancy in swine.
J Anim Sci 36:722-5, Apr 73
ABNORMALITIES, DRUG-INDUCED, veterinary/ ADMINISTRATION, ORAL/ ALLYL COMPOUNDS, administration & dosage/ ALLYL COMPOUNDS, adverse effects/ ALLYL COMPOUNDS, pharmacodynamics/ ALOPECIA, congenital/ ALOPECIA, veterinary/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ CORPUS LUTEUM, drug effects/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ ESTRUS, drug effects/ EXTREMITIES, abnormalities/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ *PREGNANCY, ANIMAL, drug effects/ SKULL, abnormalities/ *SWINE, physiology/ SWINE DISEASES, chemically induced/ THIOUREA, administration & dosage/ THIOUREA, adverse effects/ *THIOUREA, pharmacodynamics

3409. Schaffner F, Scharnheck HH, Hutterer F, et al: Mechanism of cholestasis. VII. -Napthylisothiocyanate-induced jaundice.
Lab Invest 28:321-31, Mar 73
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BILE DUCTS, drug effects/ BILIRUBIN, blood/ BIOTRANSFORMATION, drug effects/ CELL MEMBRANE/ *CHOLESTASIS, etiology/ CHOLIC ACID, metabolism/ CYTOCHROME P-450, metabolism/ ENDOPLASMIC RETICULUM/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ MITOCHONDRIA, LIVER, metabolism/ RATS/ *THIOCYANATES, pharmacodynamics/ TIME FACTORS

3410. Schantz A, Castleman B: Parathyroid carcinoma. A study of 70 cases. Cancer 31:600-5, Mar 73
ADOLESCENCE/ ADULT/ AGED/ BONE DISEASES, diagnosis/ *CARCINOMA/ CARCINOMA, diagnosis/ CARCINOMA, mortality/ CARCINOMA, pathology/ CELL NUCLEUS/ FEMALE/ HUMAN/ KIDNEY CALCULI, diagnosis/ MALE/ MIDDLE AGE/ MITOSIS/ NEOPLASM METASTASIS/ *PARATHYROID NEOPLASMS/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, mortality/ PARATHYROID NEOPLASMS, pathology

3411. Schardein JL, Reutner TF, Fitzgerald JE, et al: Canine teratogenesis with an estrogen antagonist.
Teratology 7:199-203, Apr 72
*ABNORMALITIES, DRUG-INDUCED/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANISOLES, adverse effects/ BIRTH WEIGHT/ CLEFT PALATE, chemically induced/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, adverse effects/ DOGS/ *DOGS, embryology/ ESTROGENS, adverse effects/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ FETAL DEATH, chemically induced/ HINDLIMB, abnormalities/ *PYRROLIDINES, adverse effects/ STERNUM, abnormalities/ STYRENES, adverse effects/ TAIL, abnormalities

3412. Scharf Y, Nahir AM, Better OS, et al: Prolonged survival in malignant pheochromocytoma of the organ of Zuckerkandl with pharmacological treatment.
Cancer 31:746-50, Mar 73
ADRENAL GLAND NEOPLASMS, drug therapy/ *ADRENAL GLAND NEOPLASMS, mortality/ ADULT/ *CHROMAFFIN SYSTEM/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PHENOXYBENZAMINE, therapeutic use/ PHEOCHROMOCYTOMA, drug therapy/ *PHEOCHROMOCYTOMA, mortality/ PROPRANOLOL, therapeutic use/ TIME FACTORS

3413. Schauer R: Chemistry and biology of the acyineuraminic acids.
Angew Chem [Engl] 12:127-38, Feb 73 (174 ref.)
ACYLATION/ ANTIGENIC DETERMINANTS/ CATTLE/ CELL AGGREGATION/ CELL MEMBRANE/ CYCLIZATION/ FERTILITY AGENTS/ GLYCOLIPIDS, analysis/ GLYCOPROTEINS, analysis/ HEMAGGLUTINATION, VIRAL/ HORSES/ MALE/ MOLECULAR CONFORMATION/ MUCUS, analysis/ MULTIENZYME COMPLEXES/ *NEURAMINIC ACIDS/ NEURAMINIC ACIDS, analysis/ NEURAMINIC ACIDS, biosynthesis/ NEURAMINIC ACIDS, chem syntbesis/ NEURAMINIC ACIDS, isolation & purification/ NEURAMINIDASE/ REVIEW/ SEMEN, analysis/ SWINE/ VISCOSITY

3414. Schechter RD, Stabenfeldt GH, Gribble DH, et al: Treatment of Cusbing's sundrome in the dog with an adrenocorticolytic agent (o,p'DDD).
J Am Vet Med Assoc 162:629-39, 15 Apr 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, pathology/ *CUSHING'S SYNDROME, veterinary/ DDD, administration & dosage/ *DDD, therapeutic use/ DOG DISEASES, blood/ DOG DISEASES, diagnosis/ *DOG DISEASES, drug therapy/ DOG DISEASES, pathology/ DOGS/ FEMALE/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, pathology/ REMISSION

3415. Scheer KI, Goldstein DP: An alternative in trophoblastic disease follow-up.
Am J Obstet Gynecol 114:838-40, 15 Nov 72
DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, diagnosis/ *PREGNANCY/ *TROPHOBLASTIC TUMOR, diagnosis/ *ULTRASONICS, diagnostic use

3416. Scheffner D, Willie L: Acute infantile hemiplegia due to obstruction of intracranial arterial vessels.
Neuropaediatrie 4:7-19, Jan 73
AGE FACTORS/ ANTIBIOTICS, therapeutic use/ ANTICOAGULANTS, therapeutic use/ AUTOIMMUNE DISEASES/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERY DISEASES, complications/ CEREBRAL ARTERY DISEASES, drug therapy/ CEREBRAL ARTERY DISEASES, immunology/ CEREBRAL ARTERY DISEASES, radiography/ *CEREBROVASCULAR DISORDERS, complications/ CEREBROVASCULAR DISORDERS, drug therapy/ CEREBROVASCULAR DISORDERS, immunology/ CEREBROVASCULAR DISORDERS, radiography/ CHILD/ ELECTROENCEPHALOGRAPHY/ EVALUATION STUDIES/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ *HEMIPLEGIA, etiology/ HUMAN/ MALE

3417. Schelling JL, Scanniga B, Dufour RJ, et al: Effect o pindolol, a beta receptor antagonist, in byperthyroidism.
Clin Pharmacol Ther 14:158-64, Mar-Apr 73
ADULT/ AGED/ ANKLE/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEART RATE, drug effects/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ NAUSEA, chemically induced/ PINDOLOL, administration & dosage/ PINDOLOL, adverse effects/ PINDOLOL, pharmacodynamics/ *PINDOLOL, therapeutic use/ PLACEBOS/ REFLEX, drug effects/ THYROID GLAND FUNCTION TESTS

3418. Schemmel R, Mickelsen O, Fisher L: Body compositio

and fat depot weights of rats as influenced by ration fed dams during lactation and that fed rats after weaning. J Nutr 103:477-87, Apr 73
ABDOMEN/ *ADIPOSE TISSUE, anatomy & histology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BODY COMPOSITION/ BODY WATER/ BODY WEIGHT/ *DIET/ DIETARY FATS/ FEMALE/ GENITALIA/ KIDNEY/ *LACTATION/ MALE/ MILK, analysis/ OBESITY, etiology/ OMENTUM/ *ORGAN WEIGHT/ PREGNANCY/ RATS/ SEX FACTORS/ SKIN/ WEANING

9. **Scher I, Frantz MM, Steinberg AD:** The genetics of the immune response to a synthetic double-stranded RNA in a mutant CBA mouse strain.
J Immunol 110:1396-401, May 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ *ANTIGENS/ CARBON ISOTOPES/ CATTLE, immunology/ FREUND'S ADJUVANT/ GAMMA GLOBULIN/ LYMPHOCYTES, immunology/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED DBA/ MUTATION/ PASSIVE TRANSFER/ POLY I-C/ PRECIPITIN TESTS/ *RNA/ SEX CHROMOSOMES/ SPLEEN, cytology

0. **Scherft JP:** Beginning endochondral ossification in embryonic mouse radii.
J Ultrastruct Res 42:342-53, Feb 73
ANIMAL EXPERIMENTS/ BONE MATRIX, embryology/ CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, embryology/ COLLAGEN/ HISTOLOGICAL TECHNICS/ METHODS/ *MICE, embryology/ MICROSCOPY, ELECTRON/ *OSSIFICATION, PHYSIOLOGIC/ RADIUS, cytology/ *RADIUS, embryology

1. **Scheri ND, Scheri BA:** Adjunctive use of a steroid rectal foam in the treatment of ulcerative colitis.
Dis Colon Rectum 16:149-51, Mar-Apr 73
ADULT/ AGED/ *COLITIS, ULCERATIVE, drug therapy/ DOSAGE FORMS/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ MIDDLE AGE

2. **Scherrer M, Bachofen H:** Neues in der Asthmabehandlung. Besondere Berücksichtigung der modernen selektiven 2 -Stimulatoren.
Schweiz Med Wochenschr 102:1054-60, 29 Jul 72 (Ger)
AMINO ALCOHOLS, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ *ASTHMA, drug therapy/ ASTHMA, therapy/ BLOOD PRESSURE/ BRONCHODILATOR AGENTS, adverse effects/ BRONCHODILATOR AGENTS, therapeutic use/ CARBON DIOXIDE, blood/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ NITROGEN, blood/ ORCIPRENALINE, therapeutic use/ OXYGEN, blood/ OXYGEN CONSUMPTION/ RESPIRATORS/ RESPIRATORY FUNCTION TESTS/ SYMPATHOMIMETICS, therapeutic use/ VITAL CAPACITY

3. **Schieken R, Anderson WT, Anthony CL:** Diplopia. A rare manifestation of chorea.
Am J Dis Child 125:586-7, Apr 73
ADOLESCENCE/ BLOOD SEDIMENTATION/ CHILD/ *CHOREA, complications/ *DIPLOPIA, etiology/ FEMALE/ GAIT/ HEART AUSCULTATION/ HEART ENLARGEMENT, etiology/ HUMAN/ MALE/ MOVEMENT DISORDERS, etiology/ PENICILLIN, therapeutic use/ PREDNISONE, therapeutic use/ REST/ *RHEUMATIC FEVER, complications/ RHEUMATIC FEVER, drug therapy/ SPEECH DISORDERS, etiology

4. **Schiffter R, Pohl P:** Zum Verlauf der absteigenden zentralen Sympathicushahn. Ergebnisse von Schweisssekretionstests nach stereotaktischer Subthalamotomie.
Arch Psychiatr Nervenkr 216:379-92, 1972 (Ger)
AMYGDALOID BODY, surgery/ AUTONOMIC DYSFUNCTION, therapy/ BODY TEMPERATURE REGULATION/ ELECTROCOAGULATION/ ENGLISH ABSTRACT/ EXTRAPYRAMIDAL TRACTS, physiopathology/ EYE MOVEMENTS/ HORNER'S SYNDROME, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ *HYPOTHALAMUS, surgery/ IODINE/ MALE/ POSTOPERATIVE COMPLICATIONS/ STARCH/ STEREOTAXIC TECHNICS/ *SWEATING/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ THALAMIC NUCLEI, surgery/ THALAMUS, surgery

3425. **Schill WB:** Wirkung von Testosteron auf Libido und Potenz.
Munch Med Wochenschr 115:426-7, 9 Mar 73 (Ger)
ADULT/ DELAYED-ACTION PREPARATIONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IMPOTENCE, drug therapy/ LIBIDO, drug effects/ MALE/ *SEX/ SPERMATOGENESIS, drug effects/ *TESTOSTERONE, administration & dosage

3426. **Schilling E, Cerne F:** Induction and synchronisation of oestrus in prepuberal gilts and anoestrous sows by a PMS-HCG-compound. Vet Rec 91:471-4, 11 Nov 72
ANIMAL EXPERIMENTS/ *ESTRUS, drug effects/ FEMALE/ FERTILITY, drug effects/ FERTILIZATION/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ HUMAN/ OVARY, growth & development/ OVULATION, drug effects/ PREGNANCY/ *SWINE

3427. **Schillinger E, Loge O:** Effects of derivatives of indole carboxylic acids on carbohydrate metabolism of the rat. Biochem Pharmacol 22:841-8, 1 Apr 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *CARBOHYDRATES, metabolism/ CARBON ISOTOPES/ CARBOXYLIC ACIDS, administration & dosage/ *CARBOXYLIC ACIDS, pharmacodynamics/ FEMALE/ GLUCONEOGENESIS, drug effects/ GLUCOSE, metabolism/ GLYCOGEN, analysis/ IN VITRO/ INDOLES, administration & dosage/ INDOLES, chem synthesis/ *INDOLES, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ MUSCLES, analysis/ MUSCLES, drug effects/ MUSCLES, metabolism/ PYRUVATES, metabolism/ RATS/ TIME FACTORS

3428. **Schirren C:** Exakte Messung der Hodengrösse.
Andrologie 4:261-2, 1972 (Ger)
ENGLISH ABSTRACT/ HUMAN/ MALE/ *TESTIS, anatomy & histology

3429. **Schleyer H, Cooper DY, Levin SS, et al:** Haem protein P-450 from the adrenal cortex: interaction with steroids and the hydroxylation reaction.
Biochem Soc Symp 34:187-206, 1972
*ADRENAL CORTEX HORMONES/ *ADRENAL GLANDS/ CARBON ISOTOPES/ *CHEMISTRY, ORGANIC/ CHOLESTEROL/ CORTICOSTERONE/ CORTISONE/ CYTOCHROME P-450/ *CYTOCHROME P-450/ DESOXYCORTICOSTERONE/ ELECTRON SPIN RESONANCE/ HYDROXYLATION/ METYRAPONE/ MITOCHONDRIA, analysis/ PREGNENOLONE/ PROGESTERONE/ PSEUDOMONAS

3430. **Schmid-Tannwald I, Hauser GA:** Gegenüberstellung von testikulärer Feminisierung und Mayer-Rokitansky-Küster-Syndrom.
- Gehurtshilfe Frauenheilkd 33:194-8, Mar 73 (Ger)
ABNORMALITIES, MULTIPLE, diagnosis/ AMENORRHEA, etiology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ OVARY, abnormalities/ SYNDROME/ *TESTICULAR FEMINIZATION, diagnosis/ *UTERUS, abnormalities/ *VAGINA, abnormalities

3431. **Schmidt E, Peiper U:** Tonusänderungen von isolierten Coronararterien durch Depolarisation und-oder

Noradrenalin vor und nach Blocklerung adrenerger Receptoren.
Naunyn Schmiedebergs Arch Pharmacol 275:383-92, 29 Dec 72 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CORONARY VESSELS, drug effects/ CORONARY VESSELS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE TONUS, drug effects/ NEUROMUSCULAR DEPOLARIZING AGENTS/ *NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *POTASSIUM, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ SWINE

3432. **Schmidt P, Kopsa H, Kronenberg KH, et al:** Bartter-Syndrom im Erwachsenenalter. Kasuistik mit erweiterter licht- und elektronenmikroskopischer Diagnostik.
Dtsch Med Wochenschr 98:723-6 passim, 6 Apr 73 (Ger)
ADULT/ ALKALOSIS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA/ HYPERTROPHY/ HYPOKALEMIA, diagnosis/ HYPOTENSION, complications/ *JUXTAGLOMERULAR APPARATUS, pathology/ *KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, pathology/ MICROSCOPY, ELECTRON/ POTASSIUM CHLORIDE, therapeutic use/ RENIN, blood/ SPIRONOLACTONE, therapeutic use/ SYNDROME

3433. **Schmidt P, Kopsa H, Zazgornik J, et al:** Beidseitige Beingangrän bei tertiärem Hyperparathyreoidismus.
Schweiz Med Wochenschr 103:418-20, 17 Mar 73 (Ger)
ADULT/ AMPUTATION/ ENGLISH ABSTRACT/ *GANGRENE, etiology/ GANGRENE, surgery/ HEMODIALYSIS/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ *LEG, blood supply/ MALE/ TOES, blood supply/ TOES, surgery/ WOUND HEALING

3434. **Schmidt P, Obiditsch-Mayer I, Zazgornik J, et al:** Wegenersche Granulomatose ohne Beteiligung des oberen Respirationstraktes (Forme fruste.
Fortschr Med 91:43-7, 18 Jan 73 (Ger)
ANTIBIOTICS, therapeutic use/ BLOOD UREA NITROGEN/ CREATININE, blood/ HEMODIALYSIS/ HUMAN/ KIDNEY, pathology/ LUNG, pathology/ LUNG, radiography/ MALE/ MIDDLE AGE/ TESTIS, pathology/ UREMIA, etiology/ UREMIA, therapy/ WEGENER'S GRANULOMATOSIS, blood/ WEGENER'S GRANULOMATOSIS, complications/ *WEGENER'S GRANULOMATOSIS, diagnosis/ WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, pathology/ WEGENER'S GRANULOMATOSIS, radiography

3435. **Schmidt UY, Brüschke G, Knappe G, et al:** O vliianii gormonov na obmen veshchestv v kostiakh.
Probl Endokrinol (Mosk) 19:34-40, Jan-Feb 73 (83 ref.) (Rus)
ACROMEGALY, etiology/ ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CALCIUM, blood/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ HUMAN/ HYDROXYPROLINE, urine/ INTESTINES, drug effects/ KIDNEY, drug effects/ MITOCHONDRIA, drug effects/ MUCOPOLYSACCHARIDES, urine/ OSTEOPOROSIS, etiology/ OXIDATIVE PHOSPHORYLATION, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ *PITUITARY HORMONES, pharmacodynamics/ PYROPHOSPHATES, urine/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ THYROCALCITONIN, pharmacodynamics/ *THYROID HORMONES, pharmacodynamics/ VASOPRESSIN, pharmacodynamics

3436. **Schmiedek P, Oettinger W, Baethmann A, et al:** A new approach to the treatment of brain oedema: mineralocorticoids. Br J Surg 60:316, Apr 73
ALDOSTERONE, therapeutic use/ BRAIN, enzymology/ BRAIN CHEMISTRY/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, prevention & control/ HUMAN/ *MINERALOCORTICOIDS, therapeutic use/ POTASSIUM, analysis/ SODIUM, analysis/ WATER, analysis

3437. **Schmiedek P, Sadée W, Baethmann A:** Cerebral uptake of a 3 H-labelled spirolactone compound in the dog.
Eur J Pharmacol 21:238-41, Feb 73
*ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *BLOOD-BRAIN BARRIER, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CEREBRAL CORTEX, analysis/ DOGS/ HYDROXYSTEROIDS, analysis/ HYDROXYSTEROIDS, cerebrospinal fluid/ HYDROXYSTEROIDS, metabolism/ KETOSTEROIDS, analysis/ KETOSTEROIDS, cerebrospinal fluid/ KETOSTEROIDS, metabolism/ PERFUSION/ PREGNADIENES, analysis/ PREGNADIENES, cerebrospinal fluid/ *PREGNADIENES, metabolism/ PROPIONATES, analysis/ PROPIONATES, cerebrospinal fluid/ PROPIONATES, metabolism/ SPIRONOLACTONE, analysis/ SPIRONOLACTONE, cerebrospinal fluid/ *SPIRONOLACTONE, metabolism/ TIME FACTORS/ TRITIUM

3438. **Schmitt HP, Saternus KS:** Beiträge zur forensischen Osteologie. 3. Zur Frage der Bestimmung des Individualalters an Hand der Dicke der Schädelkalotte, Unter besonderer Berücksichtigung der Hyperostosis frontalis interna (Morgagni-Henschen.
Z Rechtsmed 72:40-9, 1973 (Ger)
ADULT/ *AGE DETERMINATION BY SKELETON/ AGE FACTORS/ AGED/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ *FORENSIC MEDICINE/ FRONTAL BONE, pathology/ HUMAN/ *HYPEROSTOSIS FRONTALIS INTERNA, pathology/ MALE/ MIDDLE AGE/ OCCIPITAL BONE, pathology/ REGRESSION ANALYSIS/ SEX DETERMINATION/ SEX FACTORS/ *SKULL, pathology

3439. **Schnabel R, Schubert K:** Zur hormonellen und antihormonellen Akitvität von Steroidabbauprodukten des Hexahydroindantyps.
Endokrinologie 60:382-6, 1972 (Ger)
ANABOLIC STEROIDS, antagonists & inhibitors/ ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CHEMISTRY/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, antagonists & inhibitors/ *INDENES, pharmacodynamics/ MALE/ MICE/ PROGESTATIONAL HORMONES, antagonists & inhibitors/ *PROGESTERONE, metabolism/ RATS/ *TESTOSTERONE, metabolism/ UTERUS, drug effects/ VAGINA, drug effects

3440. **Schnecke D:** Die Kontrolle des intrauterinen Schädelwachstums mittels Ultraschall (A-Bildmethode.
Z Aerztl Fortbild (Jena) 67:188-9, 15 Feb 73 (Ger)
CHRONIC DISEASE/ FEMALE/ GESTATIONAL AGE/ HUMAN/ LABOR PRESENTATION/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PRENATAL DIAGNOSIS/ *SKULL, embryology/ *ULTRASONICS, diagnostic use

3441. **Schneider B:** Leukämie und Schwangerschaft (kasuistischer Beitrag.
Z Aerztl Fortbild (Jena) 67:86-7, 15 Jan 73 (Ger)
ADULT/ BLOOD TRANSFUSION/ BUSULFAN,

therapeutic use/ FEMALE/ GESTATIONAL AGE/ HEMORRHAGIC DIATHESIS, etiology/ HUMAN/ INFANT, NEWBORN/ LABOR, INDUCED/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKEMIA, MYELOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, therapy/ PREDNISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PROGNOSIS

3442. **Schneider D, Schwenke P, Schwenke H, et al:** Methodische Hinweise zur histologischen Präparation von knochen- und Knochenmarkbiopsien mit der Paraffintechnik.
Gegenbaurs Morphol Jahrb 118:228-33, 1972 (Ger)
AGED/ BIOPSY/ *BONE AND BONES, pathology/ *BONE MARROW, pathology/ BONE MARROW EXAMINATION/ ENGLISH ABSTRACT/ FEMALE/ *HISTOLOGICAL TECHNICS/ HUMAN/ ILIUM, pathology/ MALE/ METHODS/ MIDDLE AGE/ STAINS AND STAINING

3443. **Schneider E, Heukamp U, Pera F:** Loss of heteropycnosis of the constitutive heterochromatin in specifically activated cells of the thyroid gland of Microtus agrestis. Chromosoma 41:167-73, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/ CELL NUCLEUS/ EPITHELIAL CELLS, cytology/ FEMALE/ *HETEROCHROMATIN/ MALE/ METHYLTHIOURACIL/ MITOSIS/ PARATHYROID GLANDS, cytology/ RODENTS/ SEX CHROMATIN/ *THYROID GLAND, cytology/ THYROTROPIN/ TIME FACTORS

3444. **Schneider EG, Lynch RE, Willis LR, et al:** The effect of potassium infusion on proximal sodium reabsorption and renin release in the dog.
Kidney Int 2:197-202, Oct 72
ANIMAL EXPERIMENTS/ DOGS/ GLOMERULAR FILTRATION RATE/ INJECTIONS, INTRA-ARTERIAL/ *KIDNEY, metabolism/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, secretion/ POTASSIUM, blood/ *POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ POTASSIUM, urine/ RENAL ARTERY/ *RENIN, secretion/ *SODIUM, metabolism/ SODIUM, urine

3445. **Schneider F, Rosenmund H:** Schilddrüsenfunktionsbestimmung beim Rind mit dem T3-in-vitro-Test.
Schweiz Arch Tierheilkd 115:135-41, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ *THYROID GLAND FUNCTION TESTS, veterinary

3446. **Schneider H, Panigel M, Dancis J:** Transfer across the perfused human placenta of antipyrine, sodium and leucine. Am J Obstet Gynecol 114:822-8, 15 Nov 72
*ANTIPYRINE, metabolism/ BIOLOGICAL TRANSPORT/ CARBON ISOTOPES/ CHROMATOGRAPHY/ HUMAN/ IN VITRO/ IODINE ISOTOPES/ *LEUCINE, metabolism/ *MATERNAL-FETAL EXCHANGE/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY/ *SODIUM, metabolism/ SODIUM ISOTOPES

3447. **Schneider I, Dobozy A, Husz S, et al:** Melkersson-Rosenthal'sches Syndrom.
Z Haut Geschlechtskr 48:163-9, 1 Mar 73 (Ger)
FEMALE/ HUMAN/ INJECTIONS, INTRADERMAL/ MALE/ *MELKERSSON-ROSENTHAL SYNDROME/ MELKERSSON-ROSENTHAL SYNDROME, diagnosis/ MELKERSSON-ROSENTHAL SYNDROME, drug therapy/ MELKERSSON-ROSENTHAL SYNDROME, etiology/ MELKERSSON-ROSENTHAL SYNDROME, pathology/ MIDDLE AGE/ PYRIDOXINE, therapeutic use/ THIAMINE, therapeutic use/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use/ VITAMIN B COMPLEX, therapeutic use

3448. **Schneider W, Spona J, Matt K:** Die Beeinflussung des LH-Release durch Ostrogene.
Wien Klin Wochenschr 85:260-2, 18 May 73 (Ger)
AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, administration & dosage/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ LH, blood/ *LH, secretion/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ PITUITARY GLAND FUNCTION TESTS/ PITUITARY HORMONE RELEASING FACTORS

3449. **Schole J, Sallmann HP, Harisch G, et al:** Steigerung der Resistenz gegen parasitäre Infektionen durch Ernährungsumstellung und Nebennierenektomie.
Zentralbl Veterinaermed [B] 20:40-5, Jan 73 (Ger)
*ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ ENGLISH ABSTRACT/ RATS/ *TREMATODE INFECTIONS, prevention & control

3450. **Schönhöfer PS, Sohn J, Peters HD, et al:** Effects of sodium salicylate and acetylsalicylic acid on the lipolytic system of fat cells.
Biochem Pharmacol 22:629-37, 1 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES, drug effects/ CATTLE/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ HYDROLYSIS/ *LIPID MOBILIZATION, drug effects/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ PROTEINS/ RATS/ *SODIUM SALICYLATE, pharmacodynamics/ STIMULATION, CHEMICAL/ TRITIUM

3451. **Schoonees R:** Anti-androgeenteraple vir Prostaatkarsinoom.
S Afr Med J 47:722-4, 5 May 73 (Afr)
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CASTRATION/ CHLORIDES, analysis/ COMPARATIVE STUDY/ CYPROTERONE, pharmacodynamics/ CYPROTERONE, therapeutic use/ DEPRESSION, CHEMICAL/ *DIETHYLSTILBESTROL, pharmacodynamics/ DIETHYLSTILBESTROL, therapeutic use/ DOGS/ ENGLISH ABSTRACT/ GLUCOSE, analysis/ MALE/ OSMOLAR CONCENTRATION/ POTASSIUM, analysis/ *PREGNADIENES, pharmacodynamics/ *PROSTATE, secretion/ *PROSTATIC NEOPLASMS, drug therapy/ PROTEINS, analysis/ SECRETORY RATE, drug effects/ SODIUM, analysis/ TESTOSTERONE, pharmacodynamics

3452. **Schoonees R, Reynoso G, De Klerk JN, et al:** Antiandrogen effects on canine prostatic secretion.
Invest Urol 10:434-7, May 73
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CASTRATION/ CHLORIDES, analysis/ CHOLESTEROL, analysis/ CITRATES, analysis/ CYPROTERONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DIETHYLSTILBESTROL, pharmacodynamics/ DOGS/ FRUCTOSE, analysis/ GLUCOSE, analysis/ MALE/ OSMOLAR CONCENTRATION/ PILOCARPINE, pharmacodynamics/ POTASSIUM, analysis/ *PREGNADIENES, pharmacodynamics/ PROSTATE, drug effects/ *PROSTATE, secretion/ SODIUM, analysis/ TESTOSTERONE, pharmacodynamics

3453. **Schoot P van der, Zeilmaker GH:** Regulation of luteal activity in neonatally castrated male rats bearing ovarian cysts. Endocrinology 92:674-8, Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, physiology/ ELECTRIC STIMULATION/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ OVARY, transplantation/ PERIODICITY/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, transplantation/ *PROGESTERONE, pharmacodynamics/ RATS/ TRANSPLANTATION, HOMOLOGOUS/ VAGINAL SMEARS

3454. **Schorn H, Walter C, Lafuma J:** Die Beeinflussung der Clearance-Rate von inhalierten 59 Fe 2 O 3 Partikeln durch Metropiron.
Strahlentherapie [Sonderb] 72:232-7, 1972 (Ger)
AEROSOLS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *IRON, metabolism/ IRON ISOTOPES/ MALE/ *METYRAPONE, pharmacodynamics/ *PHAGOCYTOSIS, drug effects/ RATS

3455. **Schorr WF, Papa CM:** Epidermolytic hyperkeratosis. Effect of tretinoin therapy on the clinical course and the basic defects in the stratum corneum.
Arch Dermatol 107:556-62, Apr 73
ADULT/ BIOPSY/ CHILD/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ KERATOSIS, blood/ *KERATOSIS, drug therapy/ KERATOSIS, familial & genetic/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ PLACEBOS/ SKIN, drug effects/ SKIN, pathology/ SKIN ABSORPTION/ TRIAMCINOLONE ACETONIDE, therapeutic use/ *VITAMIN A, therapeutic use

3456. **Schreiber V:** Adenohypophysial growth and binding of thyroxine by adenohypophysial proteins in vitro.
Rev Czech Med 19:3-14, 1973
ANIMAL EXPERIMENTS/ BINDING SITES/ CYPROTERONE, pharmacodynamics/ ERGOT ALKALOIDS, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, physiology/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ MALE/ PERPHENAZINE, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, growth & development/ PROGESTERONE, pharmacodynamics/ PROLACTIN, physiology/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ THYROTROPIN RELEASING FACTOR, physiology/ *THYROXINE, physiology/ *THYROXINE-BINDING PROTEIN/ TISSUE CULTURE

3457. **Schrock TR, Deveney CW, Dunphy JE:** Factor contributing to leakage of colonic anastomoses.
Ann Surg 177:513-8, May 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANEMIA, complications/ APPOINTMENTS AND SCHEDULES/ BLOOD TRANSFUSION/ CHILD/ *COLON, surgery/ COLONIC DISEASES, surgery/ COLONIC NEOPLASMS, surgery/ DEFICIENCY DISEASES, complications/ EMERGENCIES/ GLUCOCORTICOIDS, therapeutic use/ HEMORRHAGE, GASTROINTESTINAL, complications/ HUMAN/ HYPOTENSION, complications/ INFECTION, complications/ MIDDLE AGE/ RADIOTHERAPY/ *SURGICAL WOUND DEHISCENCE, etiology/ SURGICAL WOUND DEHISCENCE, mortality/ TIME FACTORS

3458. **Schröder J, Rickenberg HV:** Partial prufication and properties of the cyclic AMP and the cyclic GMP phosphodiesterases of bovine liver.
Biochim Biophys Acta 302:50-63, 15 Mar 73
ACETONE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BUFFERS/ CATTLE/ CHLORIDES/ CHROMATOGRAPHY, ION EXCHANGE/ GEL FILTRATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYDROLYSIS/ KINETICS/ *LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ OSMOLAR CONCENTRATION/ PHOSPHODIESTERASES, analysis/ *PHOSPHODIESTERASES, isolation & purification/ STREPTOMYCIN

3459. **Schroeder TM, Passarge E:** Spontaneous chromosomal instability. Humangenetik 17:276, 1973
ABNORMALITIES, MULTIPLE, diagnosis/ ANEMIA, APLASTIC, congenital/ *CHROMOSOME ABNORMALITIES, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, diagnosis/ ERYTHEMA, familial & genetic/ FACIAL DERMATOSES, familial & genetic/ HUMAN/ PHOTOSENSITIZATION, familial & genetic/ TELANGIECTASIS, congenital

3460. **Schubert K, Schlegel J:** Zur Bindung von 17-alpha-Athinylöstradiol und Mestranol an Rezeptoren des Uterus und der Hypophyse der Ratte in vitro.
Endokrinologie 61:9-12, 1973 (Ger)
CELL-FREE SYSTEM/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, metabolism/ FEMALE/ IN VITRO/ *MESTRANOL, metabolism/ *PITUITARY GLAND/ RATS/ *RECEPTORS, HORMONE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ *UTERUS

3461. **Schuh M, Bamberg E, Stöckl W:** Enzymaktivitätsmuster im Gelbkörper des Rindes. 2.
Wien Tieraerztl Monatsschr 60:109-12, Feb-Mar 73 (Ger)
ANIMAL EXPERIMENTS/ *CATTLE/ *CORPUS LUTEUM, enzymology/ ENGLISH ABSTRACT/ FEMALE/ LIVER, enzymology/ MUSCLES, enzymology/ TISSUE EXTRACTS

3462. **Schuhmacher CA, Scurry MT, Deiss WP Jr:** Paget disease of bone. Long-term treatment with salmon calcitonin. Arch Intern Med 131:722-4, May 73
AGED/ ALKALINE PHOSPHATASE, blood/ FEMALE/ HUMAN/ HYDROXYPROLINE, blood/ INJECTIONS, INTRAMUSCULAR/ METHODS/ OSTEITIS DEFORMANS, blood/ *OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, radiography/ PELVIS, radiography/ SALMON/ *THYROCALCITONIN, therapeutic use

3463. **Schuler D:** Malignant tumours and immunity.
Ther Hung 20:83-90, 1972 (59 ref.)
ANTIBODIES, NEOPLASM/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENS, NEOPLASM/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ BURKITT'S LYMPHOMA, immunology/ CELLS, drug effects/ CELLULAR INCLUSIONS, immunology/ CHORIOCARCINOMA, immunology/ GLOBULINS, therapeutic use/ HUMAN/ IMMUNITY/ IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES/ IMMUNOTHERAPY/ LEUKEMIA, immunology/ MULTIPLE MYELOMA, immunology/ NEOPLASMS, complications/ NEOPLASMS, enzymology/ NEOPLASMS, etiology/ *NEOPLASMS, immunology/ NEOPLASMS, metabolism/ NEOPLASMS, therapy/ NEPHROBLASTOMA, immunology/ REVERSE TRANSCRIPTASE, metabolism/ REVIEW/ TISSUE EXTRACTS, therapeutic use

3464. **Schulze C:** Aufgabe und Methodik humangenetischer Forschungen im Rahmen der Kieferorthopädie--I.
Dtsch Zahnaerztl Z 28:474-80 contd, Apr 73 (Ger)
DENTAL ENAMEL HYPOPLASIA, familial & genetic/ DISEASES IN TWINS/ GENES, DOMINANT/ GENES, RECESSIVE/ *GENETICS, HUMAN/ GENOTYPE/ HEREDITARY DISEASES/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ MALOCCLUSION, familial & genetic/ *ORTHODONTICS/ PEDIGREE/ SEX CHROMOSOMES/ SEX FACTORS

3465. **Schumann K:** Uber ein neuartiges Verfahren zur Bestimmung des Strömungswiderstandes der Nase.

Arch Klin Exp Ohren Nasen Kehlkopfheilkd 203:325-34, 28 Feb 73 (Ger)
ADULT/ *AIRWAY RESISTANCE/ ASPIRATION/ DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HUMAN/ IMIDAZOLES, therapeutic use/ METHODS/ NASAL MUCOSA, drug effects/ NEOMYCIN, therapeutic use/ *NOSE, physiopathology/ RESPIRATORY AIRFLOW, drug effects/ RESPIRATORY FUNCTION TESTS/ RHINITIS, drug therapy/ *RHINITIS, physiopathology

3466. **Schumann K:** Ein einfaches Verfahren zur Bestimmung des Strömungswiderstandes von Nase und Bronchien.
Z Laryngol Rhinol Otol 52:284-91, Apr 73 (Ger)
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ *AIRWAY RESISTANCE/ *BRONCHI, physiology/ CHILD/ DEXAMETHASONE, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMIDAZOLES, administration & dosage/ MALE/ MANOMETRY/ METHODS/ MIDDLE AGE/ NEOMYCIN, administration & dosage/ RESPIRATORY AIRFLOW/ RHINITIS, drug therapy/ *RHINITIS, physiopathology

3467. **Schumann K:** Therapeutische Wirkungen von Rhinologika an der Nase. Befunde mit Dexa-Rhinospray und Rhinospray.
Med Monatsschr 26:283-5, Jun 72 (Ger)
ADULT/ AEROSOLS/ *AIRWAY RESISTANCE/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ HUMAN/ *IMIDAZOLES, therapeutic use/ ISONICOTINIC ACID, therapeutic use/ NASAL MUCOSA, drug effects/ *NEOMYCIN, therapeutic use/ NOSE/ *RHINITIS, drug therapy

3468. **Schutt-Aine JC, Drash AL, Kenny FM:** Possible relationship between spontaneous hypoglycemia and the "maternal deprivation syndrome": case reports.
J Pediatr 82:809-13, May 73
ADRENAL CORTEX HORMONES, analysis/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOGLYCEMIA, diagnosis/ *HYPOGLYCEMIA, etiology/ HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, etiology/ INSULIN, diagnostic use/ MALE/ *MATERNAL DEPRIVATION/ METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL SYSTEM/ SYNDROME/ TOLBUTAMIDE, diagnostic use

3469. **Schwartz A:** Chronic open-angle glaucoma secondary to rhegmatogenous retinal detachment.
Am J Ophthalmol 75:205-11, Feb 73
ACETAZOLAMIDE, therapeutic use/ ADOLESCENCE/ ADULT/ BETAMETHASONE, therapeutic use/ CHILD/ CORTISONE, therapeutic use/ ELECTROCOAGULATION/ EPINEPHRINE, therapeutic use/ EYE INJURIES, complications/ FEMALE/ GLAUCOMA, complications/ GLAUCOMA, drug therapy/ *GLAUCOMA, etiology/ HUMAN/ INTRAOCULAR PRESSURE/ IRIDOCYCLITIS, complications/ MALE/ MIDDLE AGE/ MIOTICS, therapeutic use/ PREDNISONE, therapeutic use/ *RETINAL DETACHMENT, complications/ RETINAL DETACHMENT, surgery/ TONOMETRY

3470. **Schwartz A, Ayalon D, Toaff R, et al:** [Serum levels of human placental lactogen in normal pregnancy]
Harefuah 83:412-3, 15 Nov 72 (Heb)
ANTIBODIES, analysis/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS

3471. **Schwartz HJ:** Studies on responses to adrenocorticosteroid therapy in bronchial asthma.
Chest 63:Suppl:12S-14S, Apr 73
ASTHMA, blood/ *ASTHMA, drug therapy/ EOSINOPHILS, drug effects/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, pharmacodynamics/ *HYDROCORTISONE, therapeutic use/ LEUKOCYTE COUNT/ TRITIUM

3472. **Schwartz JP, Morris NR, Breckenridge BM:** Adenosine 3',5'-monophosphate in glial tumor cells. Alterations by 5-bromodeoxyuridine.
J Biol Chem 248:2699-704, 25 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BROMODEOXYURIDINE, pharmacodynamics/ BUTYRATES/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CULTURE MEDIA/ *GLIOMA, metabolism/ GLIOMA, pathology/ LACTATE DEHYDROGENASE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ RATS/ TIME FACTORS/ TRITIUM

3473. **Schwartz R, Woodcock NA, Blakely JD, et al:** Metabolic responses of adolescent boys to two levels of dietary magnesium and protein. II. Effect of magnesium and and protein level on calcium balance.
Am J Clin Nutr 26:519-23, May 73
ADOLESCENCE/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY, analysis/ CHILD NUTRITION/ *DIETARY PROTEINS, administration & dosage/ FECES, analysis/ FOOD ANALYSIS/ HUMAN/ *MAGNESIUM, administration & dosage/ MALE/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS

3474. **Schwartz WL:** Hypothyroidism and Addison's disease totally corrected by adrenal replacement therapy.
Calif Med 118:57-60, Feb 73
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, drug therapy/ ADULT/ FEMALE/ *FLUDROCORTISONE, therapeutic use/ HUMAN/ *HYDROCORTISONE, therapeutic use/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy

3475. **Schwarz R, Kyank H:** Amniographische Diagnose der Blasenmole.
Zentralbl Gynaekol 95:145-8, 2 Feb 73 (Ger)
*AMNION/ CONTRAST MEDIA/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, radiography/ METHODS/ PREGNANCY

3476. **Schwarzel WC, Kruggel WG, Brodie HJ:** Studies on the mechanism of estrogen biosynthesis. 8. The development of inhibitors of the enzyme system in human placenta. Endocrinology 92:866-80, Mar 73
*ANDROSTANES, metabolism/ ANDROSTANES, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, biosynthesis/ *ESTRONE, biosynthesis/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, metabolism/ 17-KETOSTEROIDS, pharmacodynamics/ KINETICS/ MICROSOMES, enzymology/ *MICROSOMES, metabolism/ NORSTEROIDS, pharmacodynamics/ PLACENTA, cytology/ PLACENTA, metabolism/ PROSTAGLANDINS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

3477. **Schwesinger G, Braune R, Kagel KO:** Diagnostische Fehlinterpretation einer grossen "Bauchzyste".
Zentralbl Chir 98:216-9, 9 Feb 73 (Ger)
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ AUTOPSY/ *CARCINOMA, diagnosis/ CARCINOMA, pathology/ CARCINOMA, surgery/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ *PANCREATIC CYST, diagnosis

3478. **Schwick HG, Heide K:** Glykoproteine des Humanplasmas.

Wien Klin Wochenschr 85:213-6, 6 Apr 73 (28 ref.) (Ger)
CARBOHYDRATES, blood/ CHOLINESTERASE, blood/ COMPLEMENT/ ENGLISH ABSTRACT/ ERYTHROPOIETIN/ GLYCOPROTEINS, analysis/ *GLYCOPROTEINS, blood/ HUMAN/ IMMUNOGLOBULINS/ MACROGLOBULINS/ NEURAMINIC ACIDS/ REVIEW/ THYROXINE-BINDING PROTEIN/ TRANSCORTIN/ TRANSFERRIN/ TRYPSIN INHIBITORS, blood

3479. **Scott A:** New drugs. No. I. Beclomethasone aerosol.
J Ir Med Assoc 66:190, 14 Apr 73
AEROSOLS/ BECLOMETHASONE/ *GLUCOCORTICOIDS, TOPICAL/ HUMAN/ *METHYLPREDNISOLONE

3480. **Scott EG, Hunt WB Jr:** Silo filler's disease.
Chest 63:701-6, May 73
AGED/ *AGRICULTURAL WORKERS' DISEASES, diagnosis/ BLOOD/ CARBON DIOXIDE, blood/ CHRONIC DISEASE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *LUNG DISEASES, diagnosis/ MALE/ MIDDLE AGE/ *NITROGEN DIOXIDE/ OXYGEN, blood/ PREDNISONE, therapeutic use/ PROGNOSIS/ PULMONARY DIFFUSING CAPACITY/ SILO FILLER'S DISEASE, diagnosis/ SILO FILLER'S DISEASE, drug therapy/ SILO FILLER'S DISEASE, physiopathology/ SILO FILLER'S DISEASE, radiography/ SPIROMETRY/ VITAL CAPACITY

3481. **Scott JM:** The placenta--an environmental problem.
Br Med J 1:800, 31 Mar 73
BLOOD SUGAR/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PLACENTA, pathology/ PLACENTA, physiopathology/ *PLACENTA DISORDERS, pathology/ PREGNANCY

3482. **Scott ME:** Resistant hypoparathyroidism and magnesium depletion.
Lancet 1:1005, 5 May 73
ADOLESCENCE/ CALCIUM, therapeutic use/ CASE REPORT/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ HYPOPARATHYROIDISM, complications/ *HYPOPARATHYROIDISM, drug therapy/ MAGNESIUM, therapeutic use/ *MAGNESIUM DEFICIENCY, drug therapy/ *VITAMIN D, therapeutic use

3483. **Scovill WA, Saba TM:** Response of the opsonic and phagocytic system to trauma in adrenalectomized animals.
Proc Soc Exp Biol Med 143:192-7, May 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COLLOIDS, blood/ LIVER, physiology/ LUNG, physiology/ MALE/ *OPSONINS/ *PHAGOCYTOSIS/ RATS/ *RETICULOENDOTHELIAL SYSTEM, physiopathology/ SPLEEN, physiology/ WOUNDS AND INJURIES, blood/ *WOUNDS AND INJURIES, physiopathology

3484. **Scriba PC:** Strumarezidivprophylaxe und Ovulationshemmer.
Med Klin 68:159, 2 Feb 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ *GOITER, drug therapy/ HUMAN/ RECURRENCE/ THYROID HORMONES, therapeutic use

3485. **Scultéty S, Sas M, Varga B:** Utersuchungen über die Anwendung synthetischer Progestogene bei der medikamentösen Behandlung der sogenannten Prostatahypertrophie.
Z Urol Nephrol 66:49-59, Jan 73 (Ger)
AGED/ CLINICAL RESEARCH/ ESTROGENS, urine/ HUMAN/ *HYDROXYPROGESTERONE, therapeutic use/ 17-KETOSTEROIDS, urine/ *LYNESTRENOL, therapeutic use/ MALE/ MIDDLE AGE/ PLACEBOS/ *PROSTATIC HYPERTROPHY, drug therapy/ PROSTATIC HYPERTROPHY, urine

3486. **Seabright M:** High resolution studies on the pattern of induced exchanges in the human karyotype.
Chromosoma 40:333-46, 1973
ADULT/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KARYOTYPING/ *LYMPHOCYTES, radiation effects/ MALE/ MIDDLE AGE/ MITOSIS/ PLANT AGGLUTININS/ *RADIATION EFFECTS/ *RADIATION GENETICS/ SEX CHROMOSOMES/ TRYPSIN

3487. **Sears ML, Neufeld AH, Jampol LM:** Prostaglandins.
Invest Ophthalmol 12:161-4, Mar 73
ANIMAL EXPERIMENTS/ EYE DISEASES, chemically induced/ HUMAN/ INFLAMMATION, etiology/ *PROSTAGLANDINS/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS

3488. **Sebastian JA, Baker RL, Cordray D:** Asymptomatic infarction and separation of ovary and distal uterine tube.
Obstet Gynecol 41:531-5, Apr 73
ADOLESCENCE/ *FALLOPIAN TUBES/ FEMALE/ HUMAN/ *INFARCTION/ INFARCTION, diagnosis/ OVARIAN CYSTS, surgery/ *OVARY, blood supply/ OVARY, pathology/ *TORSION/ TORSION, diagnosis

3489. **Sebban C, el-Dib SK, Beck H, et al:** Signification des anomalies de la anche chez le vieillard. Etude radioclinique de 108 cas.
Nouv Presse Med 2:621-4, 10 Mar 73 (Fre)
AGED/ *AGING/ BONE DISEASES, DEVELOPMENTAL, complications/ ENGLISH ABSTRACT/ EXOSTOSES, radiography/ FEMALE/ *HIP JOINT/ HUMAN/ JOINT DISEASES, radiography/ MALE/ OSTEOARTHRITIS, etiology/ *OSTEOARTHRITIS, radiography/ OSTEOPOROSIS, radiography

3490. **Sederberg-Olsen P, Binder C, Kehlet H, et al:** Episodic variation in plasma corticosteroids in subjects with Cushing's syndrome of differing etiology.
J Clin Endocrinol Metab 36:906-10, May 73
ADRENAL CORTEX HORMONES, urine/ ADULT/ AGED/ *CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, urine/ FEMALE/ *GLUCOCORTICOIDS, blood/ HUMAN/ MALE/ MIDDLE AGE/ *PERIODICITY

3491. **Sedgwick CE:** Considerations in the management of thyroid malignancy.
Surg Clin North Am 53:307-11, Apr 73
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ ADENOCARCINOMA, PAPILLARY, drug therapy/ ADENOCARCINOMA, PAPILLARY, radiotherapy/ ADENOCARCINOMA, PAPILLARY, surgery/ CARCINOMA, drug therapy/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, therapy/ HUMAN/ IODINE ISOTOPES, therapeutic use/ LYMPHATIC METASTASIS/ RADIOISOTOPE TELETHERAPY/ THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy

3492. **Seeliger K, Huland H:** Kasuistischer Beitrag zur Atiologie des Goodpasture-Synfroms.
Med Klin 68:437-40, 6 Apr 73 (Ger)
ADULT/ ANTIBODY FORMATION/ AUTOANTIBODIES/ AUTOPSY/ BASEMENT MEMBRANE, drug effects/ BASEMENT MEMBRANE, immunology/ BLOOD TRANSFUSION/ ENGLISH ABSTRACT/ *GOODPASTURE'S SYNDROME, chemically induced/ GOODPASTURE'S SYNDROME, diagnosis/ GOODPASTURE'S SYNDROME, drug therapy/ GOODPASTURE'S SYNDROME, immunology/ GOODPASTURE'S SYNDROME, pathology/ HUMAN/ LUNG, drug effects/ MALE/ OCCUPATIONAL DISEASES,

chemically induced/ *PETROLEUM, adverse effects/ PREDNISOLONE, therapeutic use

3493. **Segal DS, Knapp S, Kuczenski RT, et al:** The effects of environmental isolation on behavior and regional rat brain tyrosine hydroxylase and tryptophan hydroxylase activities. Behav Biol 8:47-53, Jan 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *BRAIN, enzymology/ BRAIN CHEMISTRY, drug effects/ CEREBRAL CORTEX, enzymology/ HOUSING, ANIMAL/ *HYDROXYLASES, metabolism/ MALE/ MESENCEPHALON, enzymology/ MOTOR ACTIVITY, drug effects/ RATS/ SEPTUM PELLUCIDUM, enzymology/ SEROTONIN, metabolism/ *SOCIAL ISOLATION/ TRYPTOPHAN HYDROXYLASE, metabolism/ TYROSINE HYDROXYLASE, metabolism

3494. **Segaloff A:** Inhibition by progesterone of radiation-estrogen-induced mammary cancer in the rat. Cancer Res 33:1136-7, May 73
ANIMAL EXPERIMENTS/ CHOLESTEROL/ DIETHYLSTILBESTROL/ *ESTROGENS/ FEMALE/ HYSTERECTOMY/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, prevention & control/ *NEOPLASMS, RADIATION-INDUCED, prevention & control/ *PROGESTERONE, therapeutic use/ RATS/ TIME FACTORS

3495. **Segerström A:** The effect of vagotomy on gastrointestinal propulsive motility in rats subjected to administration of parathyroid hormone and parathyroidectomy. Ups J Med Sci 78:55-9, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CALCIUM, blood/ CHROMIUM ISOTOPES, diagnostic use/ *GASTROINTESTINAL MOTILITY/ MALE/ METHODS/ *PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, pharmacodynamics/ PYLORUS, physiology/ RATS/ *VAGOTOMY/ VAGUS NERVE, physiology

3496. **Segerström A:** Effect of parathyroid hormone on the propulsive gastrointestinal motility of the rat. Acta Chir Scand 139:55-9, 1973
ANIMAL EXPERIMENTS/ CALCIUM, blood/ CHROMIUM ISOTOPES/ *GASTROINTESTINAL MOTILITY, drug effects/ MALE/ PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ VITAMIN D, pharmacodynamics

3497. **Seidel A:** Retention of 241 Am by some endocrine organs of the rat and its response to DPTA-treatment. Int J Radiat Biol 23:415-6, Apr 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *AMERICIUM, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, therapeutic use/ COMPARATIVE STUDY/ *DECONTAMINATION/ *DTPA, therapeutic use/ ENDOCRINE GLANDS, drug effects/ *ENDOCRINE GLANDS, metabolism/ FEMALE/ OVARY, drug effects/ OVARY, metabolism/ RATS/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ TIME FACTORS/ ZINC, therapeutic use

3498. **Seidel A:** Comparison of the effectiveness of CaDTPA and ZnDTPA in removing 241 Am from the rat. Radiat Res 54:304-15, May 73
*AMERICIUM, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIUM, therapeutic use/ COMPARATIVE STUDY/ *DECONTAMINATION/ *DTPA, therapeutic use/ FEMALE/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ RATS/ SPLEEN, metabolism/ TIME FACTORS/ ZINC, therapeutic use

3499. **Seifert W, Paul D:** Levels of cyclic AMP in sparse and dense cultures of growing and quiescent 3T3 cells. Nature [New Biol] 240:281-3, 27 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ BLOOD/ *CELL DIVISION/ CELL LINE/ *CELLS, CULTURED, analysis/ CULTURE MEDIA/ DNA, biosynthesis/ THYMIDINE, metabolism/ TRITIUM

3500. **Seigel DG, Greenhouse SW:** Multiple relative risk functions in case-control studies.
Am J Epidemiol 97:324-31, May 73
BIOMETRY/ CONTRACEPTIVES, ORAL, adverse effects/ CORONARY DISEASE, occurrence/ *EPIDEMIOLOGIC METHODS/ FEMALE/ HUMAN/ MALE/ MATHEMATICS/ MODELS, BIOLOGICAL/ PREGNANCY/ REGRESSION ANALYSIS/ RETROSPECTIVE STUDIES/ SAMPLING STUDIES/ SMOKING/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, occurrence/ UNITED STATES

3501. **Seilicovich A, Rosner JM:** Effect of FSH on the in vivo uptake of 3 H-testosterone by rat seminiferous tubules. Steroids Lipids Res 3:214-9, 1972
ANIMAL EXPERIMENTS/ CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ *FSH, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, physiology/ RATS/ SEMINAL VESICLES, cytology/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ SHEEP/ TESTIS, cytology/ TESTIS, drug effects/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM

3502. **Seip M:** Congenital generalisert lipodystrofi. Tidsskr Nor Laegeforen 92:2181-4, 20 Nov 72 (Nor)
AUTOSOME ABNORMALITIES/ CHILD, PRESCHOOL/ DIABETES MELLITUS/ ENGLISH ABSTRACT/ FEMALE/ GROWTH DISORDERS/ HEPATOMEGALY/ HUMAN/ HYPERLIPEMIA/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *LIPODYSTROPHY/ MALE

3503. **Selawry H, Gutman R, Fink G, et al:** The effect of starvation on tissue adenosine 3'-5' monophosphate levels.
Biochem Biophys Res Commun 51:198-204, 5 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ DNA, analysis/ DNA, metabolism/ HYPOPHYSECTOMY/ IN VITRO/ ISLANDS OF LANGERHANS, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ ORGAN WEIGHT/ PITUITARY GLAND, physiology/ RATS/ *STARVATION, metabolism

3504. **Selby PB:** X-ray-induced specific-locus mutation rate in newborn male mice. Mutat Res 18:63-75, Apr 73
ALLELISM TEST/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ GENES, radiation effects/ MALE/ MICE/ *MUTATION/ *RADIATION GENETICS/ STATISTICS/ TESTIS, cytology/ *TESTIS, radiation effects/ TIME FACTORS

3505. **Selby PB:** X-ray-induced specific-locus mutation rates in young male mice. Mutat Res 18:77-88, Apr 73
ALLELISM TEST/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ GENES, radiation effects/ MALE/ MICE/ *MUTATION/ *RADIATION GENETICS/ STATISTICS/ TESTIS, cytology/ *TESTIS, radiation effects/ TIME FACTORS

3506. **Selezmev EK, Solov'ev NA, Pugleeva VP:** Differentsial'naia diagnostika ostrogo appenditsita i ginekologicheskikh zabol vanii.
Klin Med (Mosk) 50:148-51, Oct 72 (Rus)
ACUTE DISEASE/ ADULT/ *APPENDICITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/

PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis

3507. **Seligsohn U, Alexander N, Rapaport SI:** Fibrinogen synthesis in adrenalectomized rabbits.
Proc Soc Exp Biol Med 142:824-8, Mar 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, pharmacodynamics/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ ENDOTOXINS, pharmacodynamics/ FIBRINOGEN, analysis/ *FIBRINOGEN, biosynthesis/ HEMATOCRIT/ METHIONINE, metabolism/ RABBITS/ RADIOISOTOPES/ SELENIUM/ TURPENTINE, pharmacodynamics

3508. **Seligsohn U, Rapaport SI, Kuefler PR:** Extra-adrenal effect of ACTH on fibrinogen synthesis.
Am J Physiol 224:1172-9, May 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FIBRINOGEN, biosynthesis/ MALE/ METHIONINE, metabolism/ RABBITS/ RADIOISOTOPES/ SELENIUM/ SEX FACTORS

3509. **Sellers A, Winfield AC, Massry SG:** Resorption of condyloid process of mandible. An unusual manifestation of renal osteodystrophy.
Arch Intern Med 131:727-8, May 73
ADULT/ *BONE RESORPTION, etiology/ FEMALE/ HEMODIALYSIS/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, therapy/ *MANDIBULAR DISEASES, etiology/ MANDIBULAR DISEASES, radiography/ *RENAL OSTEODYSTROPHY, complications/ RENAL OSTEODYSTROPHY, diagnosis/ RENAL OSTEODYSTROPHY, therapy/ THYROIDECTOMY/ *UREMIA, complications

3510. **Selmair H:** Spätprognose von Shuntoperationen bei Pfortaderhochdruck.
Med Klin 68:142-9, 2 Feb 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ BRAIN DISEASES, etiology/ DIETARY PROTEINS, metabolism/ ENGLISH ABSTRACT/ ESOPHAGEAL VARICES, surgery/ FEMALE/ GERMANY, WEST/ HUMAN/ HYPERALDOSTERONISM, etiology/ *HYPERTENSION, PORTAL, surgery/ MALE/ MIDDLE AGE/ *PORTACAVAL ANASTOMOSIS/ PORTACAVAL ANASTOMOSIS, adverse effects/ PORTACAVAL ANASTOMOSIS, mortality/ PROGNOSIS/ TIME FACTORS

3511. **Selvaggi FP, Young RT, Brown R, et al:** Interstitial cell tumor of the testis in adults: two case reports.
J Urol 109:436-9, Mar 73
ADULT/ ESTRADIOL, analysis/ ESTRONE, analysis/ FSH, analysis/ HUMAN/ *LEYDIG CELL TUMOR, diagnosis/ LEYDIG CELL TUMOR, metabolism/ LEYDIG CELL TUMOR, surgery/ LH, analysis/ MALE/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, metabolism/ TESTICULAR NEOPLASMS, surgery/ TESTOSTERONE, analysis/ THERMOGRAPHY

3512. **Selye H, Szabo S, Kourounakis P:** Protection by catatoxic steroids, phenobarbital and diphenylhydantoin against methaqualone intoxication. Steroids Lipids Res 3:156-9, 1972
ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *DIPHENYLHYDANTOIN, pharmacodynamics/ ENZYME INDUCTION/ ETHYLESTRENOL, pharmacodynamics/ FEMALE/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ METHAQUALONE/ *METHAQUALONE, antagonists & inhibitors/ METHAQUALONE, poisoning/ MOVEMENT DISORDERS, chemically induced/ NITRILES, pharmacodynamics/ NORSTEROIDS, pharmacodynamics/ OXANDROLONE, pharmacodynamics/ *PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ PROPIONATES, pharmacodynamics/ RATS/ SPIRONOLACTONE, pharmacodynamics/ *STEROIDS, pharmacodynamics

3513. **Seoane JR, Baile CA:** Effects of intraventricular (3 ventricle) injections of 2-deoxy-D-glucose, glucose and xylose on feeding behavior of sheep.
Physiol Behav 9:423-8, Sep 72
ANIMAL EXPERIMENTS/ *CEREBRAL VENTRICLES, drug effects/ CEREBROSPINAL FLUID/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FEEDING BEHAVIOR, drug effects/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ OSMOLAR CONCENTRATION/ SHEEP/ STEREOTAXIC TECHNICS/ XYLOSE, administration & dosage/ *XYLOSE, pharmacodynamics

3514. **Seppälä M, Renkonen OV, Vara P:** Extra-amniotic prostaglandin-oxytocin abortion: comparison with the intra-amniotic method. Prostaglandins 3:17-28, Jan 73
ABORTION, INDUCED/ ADULT/ AMNIOTIC FLUID/ CATHETERIZATION/ FEMALE/ HUMAN/ INFECTION, etiology/ INJECTIONS, INTRAVENOUS/ METHODS/ OXYTOCIN, administration & dosage/ OXYTOCIN, adverse effects/ OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ TIME FACTORS

3515. **Seringe P, Perelman SR, Plainfosse B, et al:** Phéochromocytome familial.
Ann Endocrinol (Paris) 33:529-30, Sep-Oct 72 (Fre)
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, familial & genetic/ ADRENAL GLAND NEOPLASMS, surgery/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, etiology/ MALE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, surgery/ RENAL ARTERY OBSTRUCTION, complications/ *RENAL ARTERY OBSTRUCTION, complications

3516. **Serment H, Gaujoux J, Vallette C, et al:** Place et limites de la coelioscopie dans les tumeurs de l'ovaire.
Rev Fr Gynecol Obstet 67:611-9, Nov 72 (Fre)
ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ OVARIAN CYSTS, diagnosis/ *OVARIAN NEOPLASMS, diagnosis/ *PERITONEOSCOPY

3517. **Seth SD, Mukhopadhaya A, Tariq M, et al:** Effect of hydrocortisone & hydrocortisone-antivenene combination on plasma fibrinogen level in Russell's viper envenomation. Indian J Exp Biol 10:357-9, Sep 72
ANIMAL EXPERIMENTS/ *ANTIVENINS, therapeutic use/ DRUG SYNERGISM/ FEMALE/ *FIBRINOGEN, analysis/ *HYDROCORTISONE, therapeutic use/ MALE/ RABBITS/ *SNAKES/ *VENOMS

3518. **Setoguti T:** Electron microscopic study on the thyroid gland of the salamander Hynobius nebulosus in the breeding season. I. Observation under normal conditions.
Z Zellforsch Mikrosk Anat 137:177-94, 12 Feb 73
ANIMAL EXPERIMENTS/ BREEDING/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ COLLOIDS/ CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ DESMOSOMES/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, cytology/ FEMALE/ GOLGI APPARATUS/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ RIBOSOMES/ *SALAMANDERS/

*SALAMANDERS, anatomy & histology/ *THYROID GLAND, cytology

3519. Setoguti T: Electron microscopic study on the thyroid gland of tbe salamander Hynobius nebulosus in the breeding season. II. Observation under experimental conditions.
Z Zellforsch Mikrosk Anat 137:195-208, 12 Feb 73
ANIMAL EXPERIMENTS/ BREEDING/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CILIA/ COLLOIDS/ CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, cytology/ FEMALE/ GOLGI APPARATUS/ HYDROLYSIS/ LYSOSOMES/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *SALAMANDERS/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pbarmacodynamics/ TIME FACTORS

3520. Sèva G: Nekotorye osobennosti techeniia vospaiitel'nykh ginekologicheskikh zaboievanii v pubertatnom vozraste.
Akush Ginekol (Mosk) 49:71-2, Jan 73 (Rus)
ADOLESCENCE/ CHILD/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ PUBERTY

3521. Sevel D: Emergencies in ophthalmology.
S Afr Med J 47:583-8, 7 Apr 73
ACUTE DISEASE/ ADULT/ CONJUNCTIVITIS, etiology/ CONJUNCTIVITIS, therapy/ CORTISONE, adverse effects/ EMERGENCIES/ EYE BURNS, therapy/ *EYE DISEASES/ EYE INJURIES/ EYELID DISEASES, therapy/ EYELIDS, injuries/ GENERAL PRACTICE/ HUMAN/ INFANT, NEWBORN/ IRIDOCYCLITIS, drug therapy/ KERATITIS, etiology/ KERATITIS, therapy/ OCCUPATIONAL DISEASES/ ORBIT, injuries/ REFERRAL AND CONSULTATION/ ULTRAVIOLET RAYS, adverse effects/ VISION DISORDERS, etiology/ ZYGOMATIC FRACTURES, radiography

3522. Sever LE: Hormonal pregnancy tests and spina bifida.
Nature 242:410-1, 6 Apr 73
*ABNORMALITIES, DRUG-INDUCED/ DRUG COMBINATIONS/ *ETHINYL ESTRADIOL, adverse effects/ ETHINYL ESTRADIOL, diagnostic use/ *ETHISTERONE, adverse effects/ ETHISTERONE, diagnostic use/ FEMALE/ GESTATIONAL AGE/ HORMONES, adverse effects/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *NORETHINDRONE, adverse effects/ NORETHINDRONE, diagnostic use/ PREGNANCY/ *PREGNANCY TESTS, adverse effects/ *SPINA BIFIDA, chemically induced

3523. Seyberth HW, Schmidt-Gayk H, Jakobs KH, et al: Cyclic adenosine monophosphate in pbagocytizing granulocytes and alveolar macropbages.
J Cell Biol 57:567-71, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ CATTLE, immunology/ CULTURE MEDIA/ FEMALE/ IMMUNE SERUMS/ LATEX PARTICLES/ *LEUKOCYTES, analysis/ LEUKOCYTES, metabolism/ *MACROPHAGES, analysis/ MACROPHAGES, metabolism/ OXYGEN CONSUMPTION/ *PHAGOCYTOSIS/ POLYSTYRENES/ PROSTAGLANDINS/ PULMONARY ALVEOLI/ RABBITS/ SWINE

3524. Shaaban MM, Klopper A: Changes in unconjugated oestrogens and progesterone concentration in plasma at the approach of labour.
J Obstet Gynaecol Br Commonw 80:210-7, Mar 73
ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ TIME FACTORS

3525. el-Shaboury AH, Hayes TM: Hyperlipidaemia in asthmatic patients receiving long-term steroid therapy. Br Med J 2:85-6, 14 Apr 73
ADULT/ *ASTHMA, drug therapy/ CHOLESTEROL, blood/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, therapeutic use/ DIABETES MELLITUS/ FEMALE/ HUMAN/ *HYPERLIPEMIA, chemically induced/ LIPOPROTEINS, blood/ MALE/ MIDDLE AGE/ OBESITY/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ TRIGLYCERIDES, blood

3526. Shabrov AV: XO-XY gonadal dysgenesis and gonadoblastoma in childhood.
Obstet Gynecol 41:536-41, Apr 73
BODY HEIGHT/ BODY WEIGHT/ CHILD/ DERMATOGLYPHICS/ *DISGERMINOMA, diagnosis/ DISGERMINOMA, patbology/ FEMALE/ GENITALIA, FEMALE, abnormalities/ *GYNECOLOGIC NEOPLASMS, diagnosis/ GYNECOLOGIC NEOPLASMS, pathology/ HUMAN/ KARYOTYPING/ MOSAICISM/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES, diagnosis

3527. Shackleford JM: Ultrastructural and microradiographic characteristics of Sahrpey's fibers in dog alveolar bone. Ala J Med Sci 10:11-20, Jan 73
*ALVEOLAR PROCESS, cytology/ ANIMAL EXPERIMENTS/ *BONE MATRIX, cytology/ CALCIFICATION, PHYSIOLOGIC/ DOGS/ MICRORADIOGRAPHY/ MICROSCOPY, ELECTRON, SCANNING/ MICROSCOPY, POLARIZATION

3528. Shade RE, Davis JO, Johnson JA, et al: Mechanism of action of antiotensin II and antidiuretic bormone on renin secretion. Am J Pbysiol 224:926-9, Apr 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DEPRESSION, CHEMICAL/ DOGS/ FEMALE/ JUXTAGLOMERULAR APPARATUS, physiology/ KIDNEY, blood supply/ KIDNEY, physiology/ *KIDNEY, secretion/ MODELS, BIOLOGICAL/ REGIONAL BLOOD FLOW/ RENAL ARTERY, pbysiology/ *RENIN, secretion/ *VASOPRESSIN, pharmacodynamics

3529. Shaffer D: Psychiatric aspects of brain injury in childhood: a review.
Dev Med Child Neurol 15:211-20, Apr 73 (52 ref.)
ADOLESCENCE/ AGE FACTORS/ ASPHYXIA NEONATORUM, complications/ ATTITUDE TO HEALTH/ *BRAIN DISEASES, complications/ *BRAIN INJURIES, ACUTE, complications/ CHILD/ CHILD BEHAVIOR DISORDERS, etiology/ CHILD, PRESCHOOL/ ENCEPHALITIS, complications/ EPILEPSY, etiology/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERKINESIS, etiology/ INFANT/ INFANT, NEWBORN/ MALE/ MENINGITIS, complications/ *MENTAL DISORDERS, etiology/ MENTAL RETARDATION, etiology/ METABOLIC DISEASES, complications/ PREGNANCY COMPLICATIONS/ PROGNOSIS/ PSYCHOSES, ORGANIC, etiology/ PSYCHOSES, TRAUMATIC, etiology/ PSYCHOTHERAPY/ REVIEW/ SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ SOCIAL BEHAVIOR DISORDERS, etiology

3530. Shah KD, Hansoti RC: Primary aldosteronism--Conn's syndrome (a case report).
Indian Heart J 24:310-2, Jul 72
ADULT/ CASE REPORT/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ MALE/ RENIN, blood

3531. Shah N, Wolff JA: Thiamine deficiency: probable Wernicke's encephalopathy successfully treated in a child witb acute lymphocytic leukemia.
Pediatrics 51:750-1, Apr 73
CHILD/ DEXAMETHASONE, therapeutic use/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, complications/ LEUKEMIA, LYMPHOCYTIC, diagnosis/ LEUKEMIA, LYMPHOCYTIC, therapy/ MALE/ *THIAMINE, therapeutic use/ WERNICKE'S ENCEPHALOPATHY, drug therapy/ WERNICKE'S ENCEPHALOPATHY,

etiology/ WERNICKE'S ENCEPHALOPATHY, radiotherapy/ *WERNICKE'S ENCEPHALOPATHY, therapy

3532. **Shah RM, Chaudhry AP:** Hydrocortisone-induced cleft palate in hamsters. Teratology 7:191-4, Apr 72
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CLEFT PALATE, chemically induced/ CLEFT PALATE, occurrence/ CLEFT PALATE, pathology/ FEMALE/ FETUS/ HAMSTERS/ *HYDROCORTISONE, toxicity

3533. **Shannon MP:** The development of eggs produced by the female-sterile mutant almondex of Drosophila melanogaster. J Exp Zool 183:383-400, Mar 73
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER, physiology/ FEMALE/ FERTILITY/ GENES, LETHAL/ GENES, RECESSIVE/ HOMOZYGOTE/ LARVA, growth & development/ MALE/ MORPHOGENESIS/ *MUTATION/ *OVUM, cytology/ SEX CHROMOSOMES

3534. **Shao MC:** [Talking about oral contraceptives] J Nurs (Taipei) 19:44-9, Oct 72 (Chi)
CONTRACEPTIVES, ORAL/ SPECIAL LIST NURSING

3535. **Shapiro DL:** Morphological and biochemical alterations in foetal rat brain cells cultured in the presence of monobutyryl cyclic AMP. Nature 241:203-4, 19 Jan 73
ACETYLCHOLINESTERASE, analysis/ ACETYLTRANSFERASES, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, drug effects/ *BRAIN, embryology/ BRAIN, enzymology/ BRAIN, metabolism/ BUTYRATES, pharmacodynamics/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CHOLINE/ NERVE TISSUE PROTEINS, biosynthesis/ NEUROGLIA, drug effects/ NEURONS, drug effects/ RATS

3536. **Sharawy M, Penney DP:** Unusual mitochondrial morphology in the rat adrenal cortex following hypophysectomy. Am J Anat 136:395-401, Mar 73
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CYTOPLASM/ *HYPOPHYSECTOMY/ MALE/ MEMBRANES/ *MITOCHONDRIA/ RATS/ RIBOSOMES

3537. **Sharma NJ, Grossman W, Ahuja MM:** Adrenocortical function of Caucasians in a tropical country. Indian J Med Res 60:409-15, Mar 72
*ADRENAL CORTEX HORMONES, urine/ ADULT/ CAUCASIAN RACE/ CREATININE, urine/ HUMAN/ MALE/ OSMOLAR CONCENTRATION/ *POTASSIUM, urine/ SEASONS/ *SODIUM, urine/ *TROPICAL CLIMATE/ URINE

3538. **Sharma RK:** Metabolic regulation of steroidogenesis in adrenocortical carcinoma cells of rat. Effect of adrenocorticotropin and adenosine cyclic 3':5'-monophosphate on corticosteroidogenesis. Eur J Biochem 32:506-12, 1 Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ CARBON ISOTOPES/ CARCINOMA, metabolism/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, biosynthesis/ DESOXYCORTICOSTERONE, metabolism/ IN VITRO/ MALE/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ TRITIUM

3539. **Sharma SC, Hibbard BM, Hamlett JD, et al:** Prostaglandin F 2 concentrations in peripheral blood during the first stage of normal labour. Br Med J 1:709-11, 24 Mar 73
ANTIBODIES/ FEMALE/ HUMAN/ *LABOR/ MUSCLE CONTRACTION/ PREGNANCY/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, physiology/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM/ UTERUS, physiology

3540. **Sharma SN, Kamboj VP, Kar AB:** Calcification of the rat testis by some rare earth and radioactive metallic salts. Exp Pathol (Jena) 7:176-81, 1972
ANIMAL EXPERIMENTS/ *CALCINOSIS, chemically induced/ CHLORIDES/ ERGOCALCIFEROL, pharmacodynamics/ LANTHANUM, toxicity/ MALE/ NITRATES/ OXALATES/ RATS/ STERILITY, MALE, chemically induced/ *TESTIS, drug effects/ THORIUM, toxicity/ TIME FACTORS/ *TRACE ELEMENTS, toxicity/ URANIUM, toxicity/ YTTRIUM, toxicity

3541. **Sharma T, Raman R:** Variation of constitutive heterochromatin in the sex chromosomes of the rodent Bandicota bengalensis bengalensis (Gray). Chromosoma 41:75-84, 1973
ANIMAL EXPERIMENTS/ CYTOGENETICS/ DIPLOIDY/ EVOLUTION/ FEMALE/ *HETEROCHROMATIN/ HETEROZYGOTE/ HOMOZYGOTE/ INDIA/ KARYOTYPING/ MALE/ NEPAL/ *POLYMORPHISM (GENETICS)/ *RODENTS/ *SEX CHROMOSOMES

3542. **Sharp DS, Bursiem RW:** The termination of pregnancy by intravenous infusion of a synthetic prostaglandin F 2 analogue.
J Obstet Gynaecol Br Commonw 80:138-41, Feb 73
*ABORTION, INDUCED/ ADULT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, chem synthesis/ TIME FACTORS

3543. **Sharp F, Carty MJ, Young H:** The reversibility of the effects of hypoxia on hydroxysteroid dehydrogenase (HSD) activity in placental villi maintained in organ culture.
J Obstet Gynaecol Br Commonw 80:325-8, Apr 73
*ANOXIA, enzymology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, analysis/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ LIPOAMIDE DEHYDROGENASE, analysis/ LIPOAMIDE DEHYDROGENASE, metabolism/ ORGAN CULTURE/ OXYGEN/ *PLACENTA, enzymology/ PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS

3544. **Shashoua VE:** A multistage transduction model for information processing in the nervous system. Int J Neurosci 3:299-304, Jun 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BRAIN, metabolism/ *BRAIN, physiology/ CELL MEMBRANE, metabolism/ HUMAN/ *MODELS, NEUROLOGIC/ *NERVE TISSUE PROTEINS, biosynthesis/ NEURAL TRANSMISSION/ RECEPTORS, NEURAL, physiology/ RNA, metabolism

3545. **Shaw MT:** The effect of methotrexate and folinic acid therapy on the platelet count.
Scand J Haematol 10:24-7, 1973
BLOOD CELL COUNT/ *BLOOD PLATELETS, drug effects/ CITROVORUM FACTOR, administration & dosage/ *CITROVORUM FACTOR, therapeutic use/ FEMALE/ HUMAN/ METHOTREXATE, administration & dosage/ *METHOTREXATE, therapeutic use/ PREGNANCY/ THROMBOCYTOSIS/ THROMBOPENIA/ TIME FACTORS/ *TROPHOBLASTIC TUMOR, drug therapy/ *UTERINE NEOPLASMS, drug therapy

3546. **Shaw NE, Lacey E:** The influence of corticosteroids on normal and papain-treated articular cartilage in the rabbit. J Bone Joint Surg [Br] 55:197-205, Feb 73
ANIMAL EXPERIMENTS/ ARTHRITIS, drug

therapy/ AUTORADIOGRAPHY/ BONE MATRIX, drug effects/ CALCINOSIS, chemically induced/ *CARTILAGE, ARTICULAR, drug effects/ CARTILAGE, ARTICULAR, growth & development/ CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, pathology/ *CORTISONE, pharmacodynamics/ HINDLIMB/ INJECTIONS, INTRA-ARTICULAR/ KNEE, pathology/ *KNEE JOINT/ *METHYLPREDNISOLONE, pharmacodynamics/ OSSIFICATION, PHYSIOLOGIC, drug effects/ OSTEOPOROSIS, chemically induced/ PAPAIN/ RABBITS/ STAINS AND STAINING

3547. **Shchukin PI:** O korreliativnykh vzaimootnosheniiakh mezhdu nefro-éndokrinnoĭ sistemoĭ i genotipom v formirovanii zashchitnykh reaktsiĭ organizma. Izv Akad Nauk SSSR [Biol] 2:196-209, Mar-Apr 73 (Rus)
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY CONSTITUTION/ *CENTRAL NERVOUS SYSTEM, physiology/ CONDITIONING, CLASSICAL/ *ENDOCRINE GLANDS, physiology/ ENGLISH ABSTRACT/ *GENES/ GENES, REGULATOR/ GENES, STRUCTURAL/ GENES, SUPPRESSOR/ HUMAN/ PITUITARY-ADRENAL SYSTEM/ REFLEX

3548. **Shell AG, May J, Rogers JH, et al:** Causes of allograft failure in recipients treated with and without antilymphocyte globulin.
Transplant Proc 5:561-5, Mar 73
ACTINOMYCIN, therapeutic use/ *ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ GOATS, immunology/ *GRAFT REJECTION/ HISTOCOMPATIBILITY TESTING/ HORSES, immunology/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, transplantation/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

3549. **Shemesh M, Ayalon N, Lindner HR:** Early pregnancy diagnosis based upon plasma progesterone levels in the cow and ewe. J Anim Sci 36:726-9, Apr 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRUS/ FEMALE/ INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ *PREGNANCY TESTS, veterinary/ *PROGESTERONE, blood/ *SHEEP, physiology/ TIME FACTORS

3550. **Shemesh M, Ayalon N, Lindner HR:** Oestradiol levels in the peripheral blood of cows during the oestrous cycle. J Endocrinol 55:73-8, Oct 72
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, blood/ *ESTRUS/ FEMALE/ LH, blood/ OVULATION/ RADIOLIGAND ASSAY/ SEX BEHAVIOR, ANIMAL

3551. **Shen DT, Gorham JR, Harwood RF, et al:** The persistence of Aleutian disease virus in the mosquito Aedes fitchii.
Arch Gesamte Virusforsch 40:375-81, 1973
*AEDES/ *ALEUTIAN MINK DISEASE, microbiology/ ANIMAL EXPERIMENTS/ FEEDING BEHAVIOR/ FEMALE/ *INSECT VECTORS/ INTESTINES, microbiology/ MINK/ OVARY, microbiology/ SALIVARY GLANDS, microbiology/ SPECIES SPECIFICITY/ TIME FACTORS/ *VERTEBRATE VIRUSES, UNCLASSIFIED, growth & development/ VERTEBRATE VIRUSES, UNCLASSIFIED, isolation & purification/ VERTEBRATE VIRUSES, UNCLASSIFIED, pathogenicity/ VIRUS REPLICATION

3552. **Shepherd GR:** Evidence for the biological coupling of biosynthesis and internal acetylation of histone fraction F2a1 (IV) in cultured mammalian cells.
Biochim Biophys Acta 299:485-91, 28 Mar 73
ACETATES, metabolism/ ACETYLATION/ AMINO ACIDS, analysis/ AMINO ACIDS, metabolism/ CARBON ISOTOPES/ CELL DIFFERENTIATION/ CELL DIVISION/ CELLS, CULTURED/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ GEL FILTRATION/ HAMSTERS/ HISTONES, biosynthesis/ HISTONES, isolation & purification/ *HISTONES, metabolism/ HISTONES, physiology/ LYSINE, metabolism/ OVARY, cytology/ *OVARY, metabolism/ PEPTIDES, analysis/ TRITIUM/ TRYPSIN

3553. **Shepherd JJ:** The nerve supply of the internal anal sphincter. Aust NZ J Surg 42:50-2, Aug 72
ACETYLCHOLINE, pharmacodynamics/ ANUS, drug effects/ *ANUS, innervation/ CHILD/ HUMAN/ INHIBITION, NEURAL/ ISOPROTERENOL, pharmacodynamics/ MEGACOLON, physiopathology/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, innervation/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PARASYMPATHETIC NERVOUS SYSTEM, anatomy & histology/ PROSTAGLANDINS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, anatomy & histology

3554. **Sheridan MN, Reiter RJ:** The fine structure of the pineal gland in the pocket gopher, Geomys bursarius. Am J Anat 136:363-81, Mar 73
ANIMAL EXPERIMENTS/ AXONS, cytology/ CYTOPLASM/ ENVIRONMENTAL EXPOSURE/ FEMALE/ GOLGI APPARATUS/ HAMSTERS/ HISTOLOGY, COMPARATIVE/ LYSOSOMES/ NEUROGLIA, cytology/ PHOTIC STIMULATION/ PINEAL BODY, blood supply/ *PINEAL BODY, cytology/ *RODENTS, anatomy & histology/ SUNLIGHT

3555. **Sheridan PJ, Zarrow MX, Denenberg VH:** Androgenization of the neonatal female rat with very low doses of androgen. J Endocrinol 57:33-45, Apr 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ ESTRUS, drug effects/ FEMALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ RATS/ SEX BEHAVIOR, ANIMAL/ TESTIS, transplantation/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *VAGINA, drug effects

3556. **Sherins RJ, Loriaux DL:** Studies of the role of sex steroids in the feedback control of FSH concentrations in men.
J Clin Endocrinol Metab 36:886-93, May 73
ADULT/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEEDBACK/ *FSH, blood/ HUMAN/ *HYDROXYPROGESTERONE, pharmacodynamics/ LH, blood/ MALE/ RADIOIMMUNOASSAY/ STANOLONE, pharmacodynamics/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

3557. **Sherman NJ, Williams K, Woolley MM:** Surgical complications in the patient with leukemia.
J Pediatr Surg 8:235-44, Apr 73
ADOLESCENCE/ APPENDICITIS, complications/ CHILD/ CHILD, PRESCHOOL/ ERYTHREMIC MYELOSIS, complications/ *GASTROINTESTINAL DISEASES, complications/ GASTROINTESTINAL DISEASES, surgery/ HUMAN/ HYPERSPLENISM, complications/ INFANT/ INTESTINAL OBSTRUCTION, complications/ INTUSSUSCEPTION, complications/ *LEUKEMIA, complications/ LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, MYELOBLASTIC, complications/ MERCAPTOPURINE, therapeutic use/ PANCREATITIS, complications/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ THROMBOPENIA, complications/ TIME FACTORS

3558. **Shetlar MR, Hern D, Chien SF:** Isolation and characterization of human bone sialoprotein.
Tex Rep Biol Med 30:339-45, Winter 72
AMINO ACIDS, analysis/ *BONE AND BONES,

analysis/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS/ FIBULA, analysis/ FREEZE DRYING/ GALACTOSAMINE, analysis/ GEL FILTRATION/ GLUCOSAMINE, analysis/ GLYCOPROTEINS, analysis/ *GLYCOPROTEINS, isolation & purification/ HEXOSES, analysis/ HUMAN/ ISOELECTRIC FOCUSING/ NEURAMINIC ACIDS, analysis/ *NEURAMINIC ACIDS, isolation & purification/ TIBIA, analysis

3559. **Shetty PA**: Chemotherapy of Hodgkin's disease. Indian J Cancer 9:320-3, Dec 72
ALKYLATING AGENTS, therapeutic use/ DRUG SYNERGISM/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCA ALKALOIDS, therapeutic use

3560. **Shibasaki H, Santa T, Kuroiwa Y**: Late onset mitochondrial myopathy.
J Neurol Sci 18:301-10, Mar 73
ADRENAL GLANDS, metabolism/ AMYLASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD SEDIMENTATION/ BLOOD SUGAR, analysis/ CREATINE KINASE, blood/ ELECTROCARDIOGRAPHY/ ELECTROMYOGRAPHY/ GLUCOSE TOLERANCE TEST/ HUMAN/ LACTATE DEHYDROGENASE, blood/ MALE/ MIDDLE AGE/ *MITOCHONDRIA, MUSCLE/ MUSCLES, pathology/ *MUSCULAR DISEASES, pathology/ NEURAL CONDUCTION/ PANCREAS, metabolism/ THYROID GLAND FUNCTION TESTS

3561. **Shibota T**: [Thymoma and its complications]
J Jap Assoc Thorac Surg 20:183-7, Mar 72 (Jap)
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, complications/ SEX FACTORS/ *THYMOMA, complications/ THYMOMA, occurrence/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, occurrence

3562. **Shida K, Shimazaki J, Urano E, et al**: [Action mechanism of androgen on the prostate]
Clin Endocrinol (Tokyo) 20:1063-79, Dec 72 (109 ref.) (Jap)
AGING/ ANDROGENS, antagonists & inhibitors/ *ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ ESTROGENS, pharmacodynamics/ IN VITRO/ MALE/ MICROSOMES, analysis/ MITOCHONDRIA, analysis/ OXIDOREDUCTASES, analysis/ PROSTATE, enzymology/ *PROSTATE, metabolism/ RATS/ RECEPTORS, DRUG/ RECEPTORS, HORMONE/ REVIEW/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

3563. **Shields PJ, Eccleston D**: Evidence for the synthesis and storage of 5-hydroxytryptamine in two separate pools in the brain. J Neurochem 20:881-8, Mar 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ *BRAIN, metabolism/ ELECTRIC STIMULATION/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ NEURONS, drug effects/ RATS/ *SEROTONIN, biosynthesis/ SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, metabolism

3564. **Shimizu H, Okayama H**: An ATP pool associated with adenyl cyclase of brain tissue.
J Neurochem 20:1279-83, Apr 73
ADENINE, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ TIME FACTORS/ TRITIUM/ VERATRINE, pharmacodynamics

3565. **Shine KI**: Contractile calcium in rabbit myocardium: observations with nicotine and quinine.
Am J Physiol 224:1024-31, May 73
ANIMAL EXPERIMENTS/ BIOMECHANICS/ BUFFERS/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ *HEART SEPTUM, drug effects/ HYDROGEN-ION CONCENTRATION/ LANTHANUM, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ *NICOTINE, pharmacodynamics/ PERFUSION/ *QUININE, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics

3566. **Shio H, Ramwell PW, Jessup SJ**: Prostaglandin E2: effects on aggregation, shape change and cyclic AMP of rat platelets. Prostaglandins 1:29-36, Jan 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ CELL AGGREGATION, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING/ RATS/ SPECIAL LIST REPRODUCTION/ SPECTROPHOTOMETRY/ THEOPHYLLINE, pharmacodynamics/ TRICHLOROACETIC ACID/ ULTRACENTRIFUGATION

3567. **Shire JG, Bartke A**: Strain differences in testicular weight and spermatogenesis with special reference to C57BL-10J and DBA-2J mice.
J Endocrinol 55:163-71, Oct 72
AGE FACTORS/ ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ CELL COUNT/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *MICE, INBRED STRAINS, anatomy & histology/ ORGAN WEIGHT/ *SPERMATOGENESIS/ SPERMATOZOA/ *TESTIS, anatomy & histology/ TESTIS, cytology

3568. **Shire JG, Stewart J**: The zona glomerulosa and corticotrophin: a genetic study in mice.
J Endocrinol 55:185-93, Oct 72
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, blood/ *CORTICOTROPIN, pharmacodynamics/ CROSSES, GENETIC/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *GENETICS/ GENOTYPE/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ SPLEEN, anatomy & histology

3569. **Shirley JE, Emery RS, Convey EM, et al**: Enzymic changes in bovine adipose and mammary tissue, serum and mammary tissue hormonal changes with initiation of lactation. J Dairy Sci 56:569-74, May 73
ADIPOSE TISSUE, analysis/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CATTLE, metabolism/ CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCERIDES, biosynthesis/ *HORMONES, analysis/ HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ ISOCITRATE DEHYDROGENASE, analysis/ *LACTATION/ LIPOPROTEIN LIPASE, analysis/ *MAMMAE, analysis/ MAMMAE, enzymology/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ PREGNANCY/ PROGESTERONE, analysis/ PROGESTERONE, blood/ PROLACTIN, blood/ PROTEINS, analysis/ SOMATOTROPIN, blood

3570. **Shoenberg CF**: The influence of temperature on the

thick filaments of vertebrate smooth muscle. Philos Trans R Soc Lond [Biol Sci] 265:197-202, 15 Mar 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ COLON, cytology/ EXTRACELLULAR SPACE/ GUINEA PIGS/ HISTOLOGICAL TECHNICS/ IN VITRO/ MAGNESIUM, metabolism/ METHODS/ MICROSCOPY, ELECTRON/ *MUSCLE, SMOOTH, cytology/ MUSCLE, SMOOTH, metabolism/ *MYOFIBRILS/ POTASSIUM, metabolism/ SODIUM, metabolism/ *TEMPERATURE

3571. **Shogam II:** Sindrom épikriticheskoĭ giperestezii v klinike organicheskikh porazheniĭ golovnogo mozga. Zh Nevropatol Psikhiatr 12:1852-7, 1972 **(Rus)**
ADULT/ BRAIN, physiopathology/ *BRAIN DISEASES, complications/ BRAIN INJURIES, ACUTE, complications/ BRAIN INJURIES, ACUTE, physiopathology/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, pathology/ ELECTROENCEPHALOGRAPHY/ ENCEPHALITIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERESTHESIA, etiology/ HYPOTHALAMUS/ LIMBIC SYSTEM/ PITUITARY GLAND/ RETICULAR FORMATION/ TERATOID TUMOR, pathology

3572. **Shons AR, Etheredge EE, Schmidtke JR, et al:** The mixed leukocyte response in human renal transplantation. Transplant Proc 5:337-42, Mar 73
ADOLESCENCE/ ADULT/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHILD/ GLOBULINS/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ *LEUKOCYTE CULTURE TEST, MIXED/ MIDDLE AGE/ PREDNISONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

3573. **Short MP, Rhodes CT:** A study of the formulation of steroidal suspensions.
J Pharm Pharmacol 24:Suppl:179P, Dec 72
*HYDROCORTISONE/ *NORGESTREL/ PHARMACEUTIC AIDS/ SODIUM CHLORIDE/ SURFACE-ACTIVE AGENTS/ *SUSPENSIONS

3574. **Shrivastava RK, Thakur DP:** Investigation of the presence of chromaffin tissue in the spleen of Nandus. Gegenbaurs Morphol Jahrb 118:488-92, 1972
ANIMAL EXPERIMENTS/ CHROMAFFIN SYSTEM, analysis/ *CHROMAFFIN SYSTEM, cytology/ *FISHES, anatomy & histology/ GLYCOPROTEINS, analysis/ NOREPINEPHRINE, analysis/ SPLEEN, analysis/ *SPLEEN, cytology

3575. **Shukovsky LJ, Fletcher GH:** Time-dose and tumor volume relationships in the irradiation of squamous cell carcinoma of the tonsillar fossa. Radiology 107:621-6, Jun 73
BONE AND BONES, radiation effects/ *CARCINOMA, EPIDERMOID, radiotherapy/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FOLLOW-UP STUDIES/ HUMAN/ LYMPHATIC METASTASIS/ *RADIOTHERAPY DOSAGE/ RADIOTHERAPY, HIGH ENERGY/ RADIOTHERAPY, HIGH ENERGY, adverse effects/ TIME FACTORS/ *TONSILLAR NEOPLASMS, radiotherapy

3576. **Shulkes AA, Covelli MD, Denton DA, et al:** Hormonal factors influencing salt appetite in lactation. Aust J Exp Biol Med Sci 50:819-26, Dec 72
ANIMAL EXPERIMENTS/ *APPETITE REGULATION, drug effects/ CALCIUM CHLORIDE/ FEMALE/ LACTATION/ MAGNESIUM/ MALE/ *OXYTOCIN, pharmacodynamics/ POTASSIUM CHLORIDE/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ RABBITS/ SHEEP/ SODIUM, metabolism/ SODIUM, urine/ *SODIUM CHLORIDE/ SOLUTIONS/ *SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ WATER

3577. **Shutt DA, Cox RI:** Competitive protein-binding assay of estrone, estradiol-17 or estradiol-17 in human or ruminant plasma. Steroids 21:565-82, Apr 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ *ESTRADIOL, blood/ *ESTRONE, blood/ ESTRUS/ FEMALE/ FETUS, blood supply/ FLUOROMETRY/ GOATS/ HEAT/ HUMAN/ HYDROCORTISONE/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MENSTRUATION/ METHODS/ OVARY, blood supply/ PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ *RADIOLIGAND ASSAY/ SHEEP/ SPECTROPHOTOMETRY/ UTERUS, blood supply

3578. **Shvets LV:** Vliianie al'daktona na ékskretsiiu al'dosterona i mineral'nyĭ ohmen pri khronicheskom legochnom serdtse.
Vrach Delo 12:40-3, Dec 72 **(Rus)**
*ALDOSTERONE, urine/ ENGLISH ABSTRACT/ HUMAN/ *NATRIURESIS/ *PULMONARY HEART DISEASE, drug therapy/ PULMONARY HEART DISEASE, urine/ *SPIRONOLACTONE, therapeutic use

3579. **Sibleyras P, Raymond J, Marty R:** Dégénérescence expérimentale du système nerveux central: étude sur coupes sériées, contre-colorées après imprégnation argentique et traitement éclaircissant.
C R Soc Biol (Paris) 166:1024-7, 1972 **(Fre)**
AMMONIA/ ANIMAL EXPERIMENTS/ CATS/ HISTOLOGICAL TECHNICS/ *NERVE DEGENERATION/ NEURONS/ SILVER/ STAINS AND STAINING/ THIOCYANATES/ *VESTIBULAR NERVE, pathology/ *VESTIBULAR NUCLEI, pathology

3580. **Siciński A:** Zespół Goodpasture'a.
Pol Arch Med Wewn 50:201-5, Feb 73 (26 ref.) **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ ANTIBODIES, analysis/ AZATHIOPRINE, therapeutic use/ BASEMENT MEMBRANE, immunology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLOMERULONEPHRITIS, diagnosis/ *GOODPASTURE'S SYNDROME/ GOODPASTURE'S SYNDROME, diagnosis/ GOODPASTURE'S SYNDROME, drug therapy/ GOODPASTURE'S SYNDROME, immunology/ GOODPASTURE'S SYNDROME, microbiology/ HUMAN/ MALE/ MIDDLE AGE/ PERIARTERITIS NODOSA, diagnosis/ PREDNISONE, therapeutic use/ REVIEW/ SEX FACTORS/ WEGENER'S GRANULOMATOSIS, diagnosis

3581. **Sidel'nikov VM, Kostin OS, Makarenko MO, et al:** Hipervitaminoz D ta ĭoho profilaktyka.
Pediatr Akush Ginekol 5:25-7, Oct 72 **(Ukr)**
FEMALE/ HUMAN/ INFANT/ POISONING, prevention & control/ *VITAMIN D, poisoning

3582. **Sidhu KS, Emery RS, Parr AF, et al:** Fat mobilizing lipase in relation to fatness in lambs.
J Anim Sci 36:658-62, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADIPOSE TISSUE, enzymology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ FEMALE/ *LIPASE, metabolism/ *LIPID MOBILIZATION/ MAGNESIUM, pharmacodynamics/ MALE/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, pharmacodynamics/ SEX FACTORS/ *SHEEP, metabolism/ STIMULATION, CHEMICAL

3583. **Silver MJ, Smith JB, Ingerman C, et al:** Human blood prostaglandins: formation during clotting.
Prostaglandins 1:429-36, Jun 72
BIOLOGICAL ASSAY/ BLOOD COAGULATION/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CLOT RETRACTION/ HUMAN/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ RATS/ SPECIAL LIST REPRODUCTION/ STIMULATION, CHEMICAL/ THROMBIN, pharmacodynamics/ TRITIUM

3584. **Silver R, Feder HH:** Inhibition of crop sac growth by dexamethasone in ring doves (Streptopelia risoria). Endocrinology 92:1568-71, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORTICOSTERONE, pharmacodynamics/ *CROP, AVIAN, drug effects/ CROP, AVIAN, growth & development/ *DEXAMETHASONE, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MALE/ ORGAN WEIGHT/ PIGEONS/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

3585. **Silverberg PW, Slowinski EJ, Melnick GS:** Pelvic venography. Radiology 107:523-6, Jun 73
*ABORTION, MISSED, radiography/ ADULT/ FEMALE/ HUMAN/ METHODS/ *OVARIAN NEOPLASMS, radiography/ *OVARY, blood supply/ *PELVIS, blood supply/ PELVIS, radiography/ *PHLEBOGRAPHY/ PHLEBOGRAPHY, adverse effects/ *THROMBOSIS, radiography/ *VARICOSE VEINS, radiography

3586. **Silverberg SG, DeGiorgi LS:** Osteoclastoma-like giant cell tumor of the thyroid. Report of a case with prolonged survival following partial excision and radiotherapy. Cancer 31:621-5, Mar 73
*GIANT CELL TUMORS, mortality/ GIANT CELL TUMORS, pathology/ GIANT CELL TUMORS, radiotherapy/ GIANT CELL TUMORS, surgery/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ TIME FACTORS

3587. **Silverman AJ, Knigge KM, Ribas JL, et al:** Transport capacity of median eminence. 3. Amino acid and thyroxine transport of organ-cultured median eminence. Neuroendocrinology 11:107-18, 1973
*AMINO ACIDS, metabolism/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, metabolism/ CEREBRAL VENTRICLES, anatomy & histology/ *CEREBRAL VENTRICLES, metabolism/ EPENDYMA, metabolism/ IN VITRO/ MICROSCOPY, ELECTRON/ MINK/ NERVE DEGENERATION/ NOREPINEPHRINE, metabolism/ ORGAN CULTURE/ RATS/ THYROTROPIN, metabolism/ *THYROXINE, metabolism

3588. **Simakova MG:** Nekotorye dannye o narushenii metabolizma kortikosteroidov pri akusherskom sepsise. Akush Ginekol (Mosk) 49:70-2, Feb 73 (Rus)
*ABORTION, SEPTIC, metabolism/ ADRENAL CORTEX HORMONES, analysis/ *CORTICOSTERONE, urine/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ LIVER, metabolism/ PREGNANCY/ *PUERPERAL INFECTION, metabolism

3589. **Simkin A, Robin G:** The mechanical testing of bone in bending. J Biomech 6:31-9, Jan 73
*BIOMECHANICS/ *BONE AND BONES/ CATTLE/ ELASTICITY/ METHODS/ STRESS, MECHANICAL

3590. **Simon NM:** Laboratory evaluation of hypertension: renal mechanisms.
Proc Inst Med Chic 29:282-3, Mar-Apr 73
ANGIOTENSIN, metabolism/ BIOLOGICAL ASSAY/ HUMAN/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, metabolism/ RENIN, metabolism

3591. **Simonsson BG, Svedmyr N, Skoogh BE, et al:** In vivo and in vitro studies on alpha-receptors in human airways; potentiation with bacterial endotoxins. Chest 63:Suppl:3S-4S, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AIRWAY OBSTRUCTION, etiology/ *AIRWAY OBSTRUCTION, physiopathology/ ASTHMA, etiology/ *BRONCHI, drug effects/ BRONCHI, physiopathology/ *ENDOTOXINS, pharmacodynamics/ HUMAN/ IN VITRO/ *POLYSACCHARIDES, BACTERIAL, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects

3592. **Simpson NE:** The Rubinstein-Taybi Syndrome: chromosomal studies.
Am J Hum Genet 25:230-6, May 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ *BONE AND BONES, abnormalities/ CELL DIVISION/ CHILD/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ *FACE, abnormalities/ HUMAN/ KARYOTYPING/ *MENTAL RETARDATION/ SYNDROME, familial & genetic/ TESTIS, cytology

3593. **Simpson NE, Brissenden JE:** The Rubinstein-Taybi syndrome: familial and dermatoglyphic data.
Am J Hum Genet 25:225-9, May 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ AGE FACTORS/ *BONE AND BONES, abnormalities/ CHILD/ *DERMATOGLYPHICS/ *FACE, abnormalities/ FEMALE/ HUMAN/ *MENTAL RETARDATION/ MIDDLE AGE/ SYNDROME, familial & genetic

3594. **Simpson W, Kerr DN, Hill AV, et al:** Skeletal changes in patients on regular hemodialysis.
Radiology 107:313-20, May 73
ADULT/ *BONE DISEASES, etiology/ BONE DISEASES, radiography/ FEMALE/ FOLLOW-UP STUDIES/ *FRACTURES, SPONTANEOUS, etiology/ FRACTURES, SPONTANEOUS, radiography/ HAND, radiography/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ OSTEOPOROSIS, etiology/ RIB FRACTURES, radiography/ SCLEROSIS, radiography

3595. **Sims KL, Bloom FE:** Rat brain L-3,4-dihydroxyphenylalanine and L-5-hydroxytryptophan decarboxylase activities: differential effect of 6-hydroxydopamine.
Brain Res 49:165-75, 15 Jan 73
ANIMAL EXPERIMENTS/ BRAIN STEM, drug effects/ *BRAIN STEM, enzymology/ *CARBOXY-LYASES, metabolism/ CATECHOLAMINES, metabolism/ CEREBELLUM, enzymology/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, enzymology/ CORPUS STRIATUM, enzymology/ DECARBOXYLATION/ *DOPA DECARBOXYLASE, metabolism/ HIPPOCAMPUS, enzymology/ *HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYTRYPTOPHAN/ HYPOTHALAMUS, enzymology/ MEDULLA OBLONGATA, enzymology/ MICROSCOPY, ELECTRON/ NERVE DEGENERATION/ PARGYLINE, pharmacodynamics/ PONS, enzymology/ RATS/ SEROTONIN, metabolism

3596. **Sinclair RA:** Failure of endothelial repopulation to explain prolonged renal allograft survival.
Transplant Proc 5:125-8, Mar 73
CELL NUCLEUS/ *EPITHELIUM, immunology/ FEMALE/ HISTOCOMPATIBILITY/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ SEX CHROMATIN/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

3597. **Singer FR, Powell D, Minkin C, et al:** Hypercalcemia in reticulum cell sarcoma without hyperparathyroidism of skeletal metastases.
Ann Intern Med 78:365-9, Mar 73
BIOLOGICAL ASSAY/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ HUMAN/ *HYPERCALCEMIA, etiology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PARATHYROID HORMONE,

blood/ RADIOIMMUNOASSAY/ REMISSION/ *SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, metabolism/ SARCOMA, RETICULUM CELL, radiotherapy/ *THORACIC NEOPLASMS, complications/ THORACIC NEOPLASMS, metabolism/ THORACIC NEOPLASMS, radiotherapy

3598. **Singer I, Franko EA:** Lithium-induced ADH resistance in toad urinary bladders. Kidney Int 3:151-9, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *BLADDER, drug effects/ BUFO MARINUS/ CHOLINE, pharmacodynamics/ DIABETES INSIPIDUS, chemically induced/ DRUG INTERACTIONS/ FEMALE/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KIDNEY DISEASES, chemically induced/ LITHIUM, antagonists & inhibitors/ *LITHIUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ POTASSIUM, pharmacodynamics/ PROPIONATES, pharmacodynamics/ SODIUM, pharmacodynamics/ TRIAMTERENE, pharmacodynamics/ *VASOPRESSIN, antagonists & inhibitors

3599. **Singer PA, Nicoloff JT:** Assessment of thyrotropin-releasing hormone and thyrotropin reserve in man. J Clin Invest 52:1099-107, May 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ HYPOTHALAMUS, injuries/ IMMUNOASSAY/ IODINE, secretion/ MALE/ *PITUITARY DISEASES, diagnosis/ PITUITARY GLAND FUNCTION TESTS/ PREDNISOLONE, diagnostic use/ PREGNANCY/ SHEEHAN'S SYNDROME, diagnosis/ STIMULATION, CHEMICAL/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, analysis/ THYROTROPIN, secretion/ *THYROTROPIN RELEASING FACTOR, analysis/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROTROPIN RELEASING FACTOR, secretion

3600. **Singh EJ, Swartwout JR:** Effects of oral contraceptives on free fatty acids of human cervical mucus. Obstet Gynecol 41:743-7, May 73
ADULT/ CERVIX MUCUS, analysis/ *CERVIX MUCUS, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *FATTY ACIDS, analysis/ FEMALE/ HUMAN

3601. **Singh GB, Khanna SK:** Effect of intratesticular administration of metanil yellow in rats. Exp Pathol (Jena) 7:172-5, 1972
*ANILINE COMPOUNDS, toxicity/ ANIMAL EXPERIMENTS/ *AZO COMPOUNDS, toxicity/ *FOOD ADDITIVES, toxicity/ LEYDIG CELLS, drug effects/ MALE/ RATS/ SPERMATOGENESIS, drug effects/ *SULFONIC ACIDS, toxicity/ *TESTIS, drug effects/ TESTIS, pathology

3602. **Singh I, Sharma NN, Seth HN, et al:** Corticosteroid-sparing effect of -adrenergic blocking agents in pemphigus vulgaris. Dermatologica 146:55-60, 1973
*ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ CHILD/ FEMALE/ *GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PEMPHIGUS, diagnosis/ *PEMPHIGUS, drug therapy/ *PROPRANOLOL, administration & dosage/ PROPRANOLOL, therapeutic use

3603. **Singh JB, Starobin OE, Guerrant RL, et al:** Reversible atrioventricular block in myxedema. Chest 63:582-5, Apr 73
AGED/ BUNDLE-BRANCH BLOCK, complications/ ELECTROCARDIOGRAPHY/ FEMALE/ *HEART BLOCK, complications/ HEART BLOCK, drug therapy/ HEART BLOCK, etiology/ HEART CONDUCTION SYSTEM/ HUMAN/ MALE/ *MYXEDEMA, complications/ MYXEDEMA, drug therapy/ *TRIIODOTHYRONINE, therapeutic use

3604. **Singh S, Bresnan MJ:** Menkes kinky-hair syndrome. (Trichopoliodystrophy). Low copper levels in the blood, hair, and urine. Am J Dis Child 125:572-8, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ *BONE DISEASES, complications/ *BRAIN DISEASES, familial & genetic/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIES, abnormalities/ CHILD DEVELOPMENT DEVIATIONS, etiology/ CONVULSIONS, drug therapy/ CONVULSIONS, etiology/ COPPER/ COPPER, analysis/ COPPER, blood/ *COPPER, metabolism/ COPPER, urine/ ELECTROENCEPHALOGRAPHY/ *GROWTH DISORDERS, etiology/ *HAIR, abnormalities/ HAIR, analysis/ HUMAN/ INFANT/ MALE/ MENTAL RETARDATION, etiology/ *METABOLISM, INBORN ERRORS, complications/ MUSCLES, pathology/ NEUROLOGIC EXAMINATION/ OXIDOREDUCTASES, blood/ SYNDROME

3605. **Sinha AA, Blackard CE, Doe RP, et al:** The in vitro localization of H 3 estradiol in human prostatic carcinoma. An electron microscopic autoradiographic study. Cancer 31:682-8, Mar 73
AUTORADIOGRAPHY/ BINDING SITES/ BIOPSY/ *CARCINOMA, metabolism/ CARCINOMA, pathology/ CELL NUCLEUS/ *ESTRADIOL, metabolism/ HUMAN/ MALE/ MEMBRANES, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, metabolism/ *PROSTATIC NEOPLASMS, metabolism/ PROSTATIC NEOPLASMS, pathology/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

3606. **Sinha K, Singh NB, Charan A:** Hemiplasia and foetal adenoma of the thyroid with polydactyly and arachnodactyly. J Indian Med Assoc 59:244-5, 16 Sep 72
*ABNORMALITIES, MULTIPLE/ *ADENOMA, complications/ *ARACHNODACTYLY, complications/ CASE REPORT/ CHILD/ FEMALE/ *FINGERS, abnormalities/ HUMAN/ *THYROID GLAND, abnormalities/ *THYROID NEOPLASMS, complications/ *TOES, abnormalities

3607. **Sinha Y, Lewis UJ, Vanderlaan WP:** Effects of administering antisera to mouse growth hormone and prolactin on gain in litter weight and on mammary nucleic acid content of lactating C3H mice. J Endocrinol 55:31-40, Oct 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ CELL DIVISION, drug effects/ DNA, analysis/ FEMALE/ GEL DIFFUSION TESTS/ *IMMUNE SERUMS, pharmacodynamics/ *LACTATION, drug effects/ MACACA, immunology/ *MAMMAE, analysis/ MICE/ MICE, INBRED C3H/ *NUCLEIC ACIDS, analysis/ ORGAN WEIGHT/ OVARY, drug effects/ PITUITARY GLAND, drug effects/ *PROLACTIN/ PROLACTIN, blood/ PROLACTIN, physiology/ PROTEINS, biosynthesis/ RNA, analysis/ *SOMATOTROPIN/ SOMATOTROPIN, blood/ SOMATOTROPIN, physiology

3608. **Sinha YN, Selby FW, VanderLaan WP:** Radioimmunoassay of prolactin in the urine of mouse and man. J Clin Endocrinol Metab 36:1039-42, May 73
ANIMAL EXPERIMENTS/ FEMALE/ HUMAN/ MALE/ MICE/ *PROLACTIN, urine/ RADIOIMMUNOASSAY

3609. **Sisca TS:** An unusual dual hypersensitivity reaction induced by diphenylhydantoin. Am J Hosp Pharm 30:446-9, May 73
CASE REPORT/ *DERMATITIS EXFOLIATIVA, chemically induced/ DERMATITIS EXFOLIATIVA, drug therapy/ *DIPHENYLHYDANTOIN, adverse effects/ *DRUG HYPERSENSITIVITY/ FEMALE/

HUMAN/ LEUKOCYTE COUNT/ *LYMPHOMA, chemically induced/ MIDDLE AGE/ PREDNISONE, therapeutic use

3610. **Sittmann K:** Segregation of hermaphrodites in swine litters. Can J Genet Cytol 15:229-32, Mar 73
ANIMAL EXPERIMENTS/ *GENES, RECESSIVE/ *HERMAPHRODITISM/ *SELECTION (GENETICS)/ SEX FACTORS/ *SWINE DISEASES, familial & genetic

3611. **Sivanesaratnam V, Lee TT:** Squamous cell carcinoma arising in a dermoid cyst of the ovary.
Aust NZ J Obstet Gynaecol 12:269-72, Nov 72
*CARCINOMA, EPIDERMOID, pathology/ CASE REPORT/ *DERMOID CYST, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, patbology/ OVARY, pathology

3612. **Sjöqvist A, Hultin T:** Conformational effects of mercurials on rat liver ribosomes: a comparison between the unmasking of a shielded protein in the 60S subunit by phenyl mercurials and EDTA.
Cbem Biol Interact 6:131-48, Mar 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BERYLLIUM, metabolism/ CALCIUM, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ *EDTA, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IN VITRO/ LIVER, cytology/ LIVER, drug effects/ MAGNESIUM, metabolism/ MERCAPTOETHANOL, pharmacodynamics/ *MERCURIBENZOATES, pharmacodynamics/ *MERCURY, pbarmacodynamics/ MOLECULAR CONFORMATION/ POLY U/ *PROTEINS/ RATS/ *RIBOSOMES, drug effects/ RNA, RIBOSOMAL, analysis/ RNA, RIBOSOMAL, metabolism

3613. **Skakkebaek NE, Hammen R, Philip J, et al:** Quantification of buman seminiferous epitbelium. 3. Histological studies in 44 infertile men witb normal chromosome complements.
Acta Patbol Microbiol Scand [A] 81:97-111, Mar 73
ADULT/ BIOPSY/ CRYPTORCHISM, complications/ CRYPTORCHISM, patbology/ EPITHELIUM, pathology/ GONADOTROPINS, urine/ HAIR/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ SERTOLI CELLS/ SEX CHARACTERISTICS/ SEX CHROMOSOMES/ *SPERMATOGENESIS/ STERILITY, MALE, complications/ *STERILITY, MALE, pathology/ *TESTIS, pathology/ VARICOCELE, complications/ VARICOCELE, pathology

3614. **Skakkebaek NE, Heller CG:** Quantification of buman seminiferous epitbelium. I. Histological studies in twenty-one fertile men witb normal chromosome complements. J Reprod Fertil 32:379-89, Mar 73
ADULT/ BIOPSY/ CHROMOSOMES/ EPITHELIAL CELLS/ HUMAN/ MALE/ SEMEN, cytology/ *SERTOLI CELLS/ SPERMATOGENESIS/ *TESTIS, cytology

3615. **Skakkebaek NE, Hultén M, Jacobsen P, et al:** Quantification of buman seminiferous epitbelium. II. Histological studies in eigbt 47,XYY men.
J Reprod Fertil 32:391-401, Mar 73
ADULT/ BIOPSY/ *CHROMOSOME ABNORMALITIES, patbology/ EPITHELIAL CELLS/ FSH, blood/ HUMAN/ LEYDIG CELLS/ LH, blood/ MALE/ SERTOLI CELLS/ *SPERMATOGENESIS/ STERILITY, MALE, etiology/ *TESTIS, patbology/ TESTIS, physiopatbology

3616. **Skakkebaek NE, Hultén M, Philip J:** Quantification of buman seminiferous epitbelium. IV. Histological studies in 17 men with numerical and structural autosomal aberrations.
Acta Patbol Microbiol Scand [A] 81:112-24, Mar 73
ADOLESCENCE/ ADULT/ BIOPSY/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, pathology/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 21-22/ EPITHELIUM, patbology/ HUMAN/ LEYDIG CELLS/ MALE/ SERTOLI CELLS/ SPERMATOGENESIS/ *STERILITY, MALE, pathology/ *TESTIS, pathology/ TRISOMY

3617. **Skakkebaek NE, Zeuthen E, Nielsen J, et al:** Abnormal spermatogenesis in XYY Males: a report on 4 cases ascertained through a population study.
Fertil Steril 24:390-5, May 73
ADULT/ BIOPSY/ CELL COUNT/ *CHROMOSOME ABNORMALITIES, pbysiopathology/ HUMAN/ MALE/ *SPERMATOGENESIS/ SPERMATOZOA/ TESTIS, cytology

3618. **Skarnes RC, Harper MJ:** Relationship between endotoxin-induced abortion and the synthesis of prostaglandin F. Prostaglandins 1:191-203, Mar 72
ABORTION, INDUCED/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ DIARRHEA, cbemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ENDOTOXINS, blood/ ENDOTOXINS, pharmacodynamics/ FEMALE/ FETAL DEATH/ INDOMETHACIN, pbarmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ MICE/ PHLORETIN, pharmacodynamics/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SPECIAL LIST REPRODUCTION

3619. **Skebel'skaya YB:** Role of hormones of adrenal cortex and ovaries of pregnant mother in stress reaction of rat fetus. Sov J Dev Biol 3:188-93, May-Jun 72
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ASCORBIC ACID, metabolism/ CASTRATION/ *CORTICOTROPIN, physiology/ EPINEPHRINE, pbarmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pbysiology/ FEMALE/ FETUS, drug effects/ FETUS, metabolism/ FETUS, physiopathology/ HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, physiopathology/ OVARY, physiology/ PITUITARY GLAND, physiopathology/ PREGNANCY/ RATS/ STRESS, chemically induced/ *STRESS, pbysiopathology

3620. **Skelton CL, Karch FE, Wildenthal K:** Lack of acute effects of thyroid hormones on myocardial contractility. Am J Physiol 224:957-62, Apr 73
ANIMAL EXPERIMENTS/ CATS/ DIMETHYL SULFOXIDE, pharmacodynamics/ DOGS/ GUINEA PIGS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ PAPILLARY MUSCLES, drug effects/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ *TRIIODOTHYRONINE, pharmacodynamics

3621. **Sklan D, Budowski P:** Conversion of calciferols to isotacbysterols by trifluoroacetic acid.
Anal Biochem 52:584-8, Apr 73
CHEMISTRY/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ *ERGOCALCIFEROL/ *FLUOROACETATES/ METHODS/ *SECOSTEROIDS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROLS/ TIME FACTORS

3622. **Skripnichenko DF, Krivitskii DI:** Khirurgicheskoe lechenie bol'nykh toksicheskim zobom.
Klin Khir 1:59-63, Nov 72 **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ THYROIDECTOMY

3623. **Slavnov BN:** Radioizotopnoe issledovanie funktsional'nogo sostoianiia pecheni i zhelchnogo puzyria pri endokrinnykh zabolevaniiakh.
Vrach Delo 9:79-85, Sep 72 **(Rus)**
*DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *GALLBLADDER, physiopathology/ GOLD COLLOID, RADIOACTIVE, diagnostic use/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC, diagnostic use/ IODIPAMIDE, diagnostic use/ *LIVER, physiopathology/ LIVER FUNCTION TESTS/ MALE/ ROSE BENGAL, diagnostic use/ *THYROID DISEASES, physiopatbology

3624. **Sledge CB:** Growth hormone and articular cartilage.
Fed Proc 32:1503-5, Apr 73
ANIMAL EXPERIMENTS/ *CARTILAGE, ARTICULAR, physiology/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ EPIPHYSES/ HEPATECTOMY/ HYDROLYSIS/ HYPOPHYSECTOMY/ IN VITRO/ *LIVER, metabolism/ OSTEOARTHRITIS, etiology/ PERFUSION/ PROTEINS, analysis/ RATS/ RIBS/ *SOMATOMEDIN, biosynthesis/ SOMATOMEDIN, blood/ SOMATOTROPIN, pbarmacodynamics/ *SOMATOTROPIN, pbysiology/ STIMULATION, CHEMICAL/ SULFATES, metabolism/ SULFUR ISOTOPES/ THYMIDINE/ TISSUE CULTURE/ TRITIUM/ ULTRAFILTRATION

3625. **Sledge CR, Bing DH:** Binding properties of the human complement protein C1q.
J Biol Chem 248:2818-23, 25 Apr 73
AMINES/ CALCIUM/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *COMPLEMENT/ HUMAN/ *IGG/ *IGM/ *IMMUNOGLOBULINS, FC/ IODINE ISOTOPES/ KINETICS/ POLYSACCHARIDES/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST

3626. **Slezak P, Tillinger KG:** The significance of the spiculated outline of the uterine cavity on bysterography. Radiology 107:527-31, Jun 73
ADULT/ AGE FACTORS/ CONTRACEPTIVES, ORAL, adverse effects/ ENDOMETRIUM, patbology/ FEMALE/ HUMAN/ *HYSTEROSALPINGOGRAPHY/ MENSTRUATION/ MIDDLE AGE/ UTERINE DISEASES, pathology/ *UTERINE DISEASES, radiography/ *UTERUS, blood supply

3627. **Slob A, Winkel P:** Normal values for the urinary excretion of some 17-oxosteroids and pregnanediols in healthy male adolescents.
Clin Chim Acta 44:307-18, 30 Mar 73
ADOLESCENCE/ *ANDROSTERONE, urine/ CHILD/ CHROMATOGRAPHY, GAS/ *DEHYDROEPIANDROSTERONE, urine/ *ETIOCHOLANOLONE, urine/ HUMAN/ HYDROLYSIS/ *11-HYDROXYCORTICOSTEROIDS, urine/ MALE/ *PREGNANEDIOL, urine/ PUBERTY

3628. **Slotkin TA, Edwards K:** Effects of reserpine on tbe content and properties of rat adrenal medullary storage vesicles.
Biochem Pharmacol 22:549-60, 1 Mar 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ *ADRENAL MEDULLA, metabolism/ AMINES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CATECHOLAMINES, metabolism/ CHLORISONDAMINE, pharmacodynamics/ *DOPAMINE BETA HYDROXYLASE, metaholism/ DRUG INTERACTIONS/ EPINEPHRINE, metabolism/ FLUOROMETRY/ IN VITRO/ INSULIN, pharmacodynamics/ MALE/ METARAMINOL, metabolism/ RATS/ RESERPINE, pbarmacodynamics/ *RESERPINE, pharmacodynamics/ SPECIES SPECIFICITY/ SUBCELLULAR FRACTIONS, analysis/ TIME FACTORS/ TRITIUM

3629. **Smahel J, Moserová J, Běhounková E:** Bildung von Knochengewebe im implantierten Kunststoff Hydron. Helv Chir Acta 40:263-6, Mar 73 **(Ger)**
ANIMAL EXPERIMENTS/ BONE AND BONES, anatomy & histology/ *BONE DEVELOPMENT/ *BONE REGENERATION/ HUMAN/ *POLYMERS/ SWINE

3630. **Smalstig EB, Bennett DR, Cochrane RL:** The effect of partial removal of the corpora lutea on the ovarian cycle in tbe rat. J Reprod Fertil 32:137-40, Jan 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ OVULATION/ PSEUDOPREGNANCY/ RATS/ TIME FACTORS/ VAGINAL SMEARS

3631. **Smiéjan JM:** Hyperthyroidies.
Soins 17:7-13, Sep-Oct 72 **(Fre)**
HYPERTHYROIDISM/ SPECIAL LIST NURSING

3632. **Smirne S, Reschini E, Giustina G:** Hypothalamo-pituitary function in Pickwickian syndrome.
Bull Physiopathol Respir (Nancy) 8:1021-8, Sep-Oct 72
ADULT/ CIRCADIAN RHYTHM/ DEXAMETHASONE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INSULIN, pharmacodynamics/ IODINE ISOTOPES/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *OBESITY, pbysiopathology/ PICKWICKIAN SYNDROME, blood/ *PICKWICKIAN SYNDROME, physiopathology/ PICKWICKIAN SYNDROME, urine/ PITUITARY GLAND FUNCTION TESTS/ SOMATOTROPIN, blood/ THYROID GLAND FUNCTION TESTS/ THYROXINE, blood

3633. **Smirnova LI:** Soderzhanie v plazme 17-oksikortikosteroidov i sviazyvanie gidrokortizona transkortinom plazmy pri pozdnikh toksikozakh beremennykh.
Vopr Okhr Materin Det 17:85, Oct 72 **(Rus)**
FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/ *TRANSCORTIN, blood

3634. **Smith CJ:** Hypothalamic glucoreceptors--the influence of thioglucose implants in the ventromedial and lateral bypotbalamic areas of normal and diabetic rats.
Physiol Behav 9:391-6, Sep 72
ALLOXAN DIABETES, physiopathology/ ANIMAL EXPERIMENTS/ APPETITE REGULATION, drug effects/ AUROTHIOGLUCOSE, pharmacodynamics/ BLOOD SUGAR/ BODY WEIGHT, drug effects/ *EATING, drug effects/ GLUCOSE, metabolism/ GLUCOSE, pbarmacodynamics/ *GOLD, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, physiology/ INSULIN, pbarmacodynamics/ INSULIN, pbysiology/ MALE/ RATS/ RECEPTORS, DRUG, drug effects

3635. **Smith DM, Johnston CC Jr, Severson AR:** Studies of the metabolism of separated bone cells. I. Techniques of separation and identification.
Calcif Tissue Res 11:56-69, 25 Jan 73
ANIMAL EXPERIMENTS/ *BONE MARROW CELLS, metabolism/ CARBON DIOXIDE, metabolism/ CELLS, CULTURED/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNICS/ LACTATES, metaholism/ MALE/ METHODS/ *OSTEOBLASTS, metabolism/ *OSTEOCYTES, metabolism/ OXYGEN CONSUMPTION/ PARATHYROID HORMONE/ PERIOSTEUM, cytology/ *PERIOSTEUM, metaholism/ RATS/ RNA/ TISSUE CULTURE/ URIDINE

3636. **Smith EE:** New forms of amino acid naphthylamidase in pregnancy. Biochem Med 7:253-6, Apr 73
AMINO ACIDS/ *AMINOHYDROLASES, blood/ CHORIOCARCINOMA, enzymology/

ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ NAPHTHALENES/ NEOPLASMS, enzymology/ *PREGNANCY

3637. Smith EE, Handler AH: Apparent suppression of the tumorigenicity of human cancer cells by cyclic AMP. Res Commun Chem Pathol Pharmacol 5:863-6, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARCINOMA, EPIDERMOID, physiopathology/ CELL LINE/ *CELLS, CULTURED, drug effects/ CHEEK/ HAMSTERS/ HUMAN/ MOUTH NEOPLASMS, physiopathology

3638. Smith GH, Wivel NA: Intracytoplasmic A particles: mouse mammary tumor virus nucleoprotein cores? J Virol 11:575-84, Apr 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM, microbiology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *INCLUSION BODIES, VIRAL/ LEYDIG CELL TUMOR, microbiology/ MALE/ *MAMMARY CANCER VIRUS, analysis/ MAMMARY NEOPLASMS, EXPERIMENTAL, microbiology/ MICE/ MICE, INBRED C3H/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ NEOPLASMS, EXPERIMENTAL, microbiology/ *NUCLEOPROTEINS, analysis/ NUCLEOPROTEINS, isolation & purification/ PEPTIDES, analysis/ SODIUM DODECYL SULFATE/ SUCROSE/ TESTICULAR NEOPLASMS, microbiology/ *VIRAL PROTEINS, analysis/ VIRAL PROTEINS, isolation & purification

3639. Smith GP, Gibbs J, Strohmayer AJ, et al: Effect of 2-deoxy-D-glucose on insulin response to glucose in intact and adrenalectomized monkeys. Endocrinology 92:750-4, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ EPINEPHRINE, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ *INSULIN, blood/ MACACA/ MALE/ MONKEYS

3640. Smith ID, Shearman RP: The relationship of human umbilical arterial and venous plasma levels of corticosteroids to gestational age. J Endocrinol 55:211-2, Oct 72
*ADRENAL CORTEX HORMONES, blood/ *GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ LABOR/ LABOR, INDUCED/ OXYTOCIN/ PREGNANCY/ RADIOLIGAND ASSAY/ UMBILICAL ARTERIES/ UMBILICAL VEINS

3641. Smith ID, Shearman RP, Korda AR: Chronoperiodicity in the response to the intra-amniotic injection of prostaglandin F 2 in the human. Nature 241:279-80, 26 Jan 73
*ABORTION, INDUCED/ AMNION/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ INJECTIONS/ PARITY/ *PERIODICITY/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage

3642. Smith JB, Ingerman C, Kocsis JJ, et al: Formation of prostaglandins during the aggregation of human blood platelets. J Clin Invest 52:965-9, Apr 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CELL AGGREGATION/ COLLAGEN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ *PROSTAGLANDINS, biosynthesis

3643. Smith JP, Rutledge F, Sutow WW: Malignant gynecologic tumors in children: current approaches to treatment. Am J Obstet Gynecol 116:261-70, 15 May 73
ACTINOMYCIN, therapeutic use/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ DISGERMINOMA, therapy/ FEMALE/ FLUOROURACIL, therapeutic use/ GYNECOLOGIC NEOPLASMS, occurrence/ *GYNECOLOGIC NEOPLASMS, therapy/ HUMAN/ HYSTERECTOMY/ INFANT/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ SARCOMA, therapy/ TERATOID TUMOR, therapy/ UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, radiotherapy/ VAGINAL NEOPLASMS, radiotherapy/ VINCRISTINE, therapeutic use/ VULVAR NEOPLASMS, radiotherapy

3644. Smith LG, Louria D: Infectious disease problems in various hematologic disorders. Med Clin North Am 57:409-20, Mar 73 (16 ref.)
AGAMMAGLOBULINEMIA, complications/ ATAXIA TELANGIECTASIA, complications/ BACTERIAL INFECTIONS, complications/ CHEDIAK-HIGASHI SYNDROME, complications/ *HEMATOLOGIC DISEASES, complications/ HODGKIN'S DISEASE, complications/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *INFECTION, complications/ LEUKEMIA, LYMPHOBLASTIC, complications/ LISTERIA INFECTIONS, complications/ B-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, immunology/ MENINGITIS, PNEUMOCOCCAL, complications/ MONILIASIS, complications/ MULTIPLE MYELOMA, complications/ OTITIS, complications/ PARATHYROID GLANDS, abnormalities/ PHAGOCYTE BACTERICIDAL DYSFUNCTION, complications/ PNEUMONIA, complications/ PNEUMONIA, INTERSTITIAL PLASMA CELL, complications/ PSEUDOMONAS INFECTIONS, complications/ REVIEW/ SINUSITIS, complications/ STAPHYLOCOCCAL INFECTIONS, complications/ THYMUS GLAND, abnormalities

3645. Smith LL, Pandya NL: Sterol metabolism. 18. On the uniqueness of the occurrence of 26-hydroxycholesterol in the human aorta. Atherosclerosis 17:21-30, Jan-Feb 73
ANIMAL EXPERIMENTS/ *AORTA, analysis/ ARTERIOSCLEROSIS, chemically induced/ BABOONS/ CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ NOREPINEPHRINE, pharmacodynamics/ PIGEONS/ RABBITS/ THYROXINE, pharmacodynamics

3646. Smith OW, Hafs HD: Competitive protein binding and radioimmunoassay for testosterone in bulls and rabbits; blood serum testosterone after injection of LH or prolactin in rabbits. Proc Soc Exp Biol Med 142:804-10, Mar 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CATTLE/ CELL COUNT/ CORTICOSTERONE, blood/ HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ LH, administration & dosage/ *LH, pharmacodynamics/ MALE/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ RABBITS/ *RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY/ SEX HORMONES, blood/ SPERMATOZOA/ TESTIS, anatomy & histology/ *TESTOSTERONE, blood/ TRITIUM

3647. Smith R, Francis MJ, Russel RG: Calcitonin in osteogenesis imperfecta. Br Med J 2:114, 14 Apr 73
BONE RESORPTION/ COLLAGEN, metabolism/ HUMAN/ OSTEOGENESIS/ *OSTEOGENESIS IMPERFECTA, drug therapy/ OSTEOGENESIS IMPERFECTA, etiology/ OSTEOGENESIS IMPERFECTA, metabolism/ *THYROCALCITONIN, therapeutic use

3648. Smith RE, Knox DL, Jensen AD: Ocular histoplasmosis. Significance of asymptomatic macular scars. Arch Ophthalmol 89:296-300, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ EYE DISEASES, drug therapy/ *EYE DISEASES, pathology/ FEMALE/

FLUORESCENCE ANGIOGRAPHY/ FOLLOW-UP STUDIES/ HISTOPLASMOSIS, drug therapy/ *HISTOPLASMOSIS, pathology/ HUMAN/ *MACULA LUTEA, pathology/ MALE/ MIDDLE AGE/ PROGNOSIS/ TIME FACTORS/ VISUAL ACUITY

3649. **Smith RP:** Cyanate and thiocyanate: acute toxicity. Proc Soc Exp Biol Med 142:1041-4, Mar 73
AMPHETAMINE, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIDOTES, therapeutic use/ ARGININE, therapeutic use/ CONVULSIONS, chemically induced/ *CYANATES, toxicity/ FEMALE/ METHEMOGLOBIN, analysis/ MICE/ MORPHINE, therapeutic use/ OXYHEMOGLOBIN, analysis/ PHENOBARBITAL, therapeutic use/ *THIOCYANATES, toxicity/ THIOSULFATES, therapeutic use/ TREMOR, chemically induced

3650. **Smith RS, Sherman NA, Middleton E Jr:** Effect of hydrocortisone on immunoglobulin synthesis and secretion by human peripheral lymphocytes in vitro. Int Arch Allergy Appl Immunol 43:859-70, 1972
AMMONIUM SULFATE/ *ANTIBODY FORMATION, drug effects/ CARBON ISOTOPES/ CELLS, CULTURED/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ IGG, analysis/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, FAB/ IODINE ISOTOPES/ LEUCINE, metabolism/ *LYMPHOCYTES, immunology/ MALE/ SODIUM/ SUCCINATES

3651. **Smith WB, Newsoroff GP, Wu NY:** Towards an ecdysone synthesis. 20 -acetoxy-5 -pregna-2,7-dien-6-one. Steroids 21:609-15, Apr 73
BROMINE/ CHOLESTANES, chem synthesis/ CHROMATOGRAPHY/ CYCLOSTEROIDS, chem synthesis/ *ECDYSONE, chem synthesis/ IN VITRO/ ISOMERISM/ LITHIUM/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ *PREGNENOLONE/ SPECTROPHOTOMETRY, INFRARED

3652. **Smolenskiĭ VS, Gerasimenko PP, Kertsman VI, et al:** Oshibki v diagnostike pervichnogo giperal'dosteronizma.
Klin Med (Mosk) 51:94-9, Apr 73 (Rus)
ADRENAL GLAND DISEASES, complications/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, complications/ *HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, RENAL, complications/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ RENIN, blood

3653. **Smyser CF, Snoeyenbos GH:** Fluorescent-antibody methods for detecting salmonellae in animal by-products. Avian Dis 17:99-106, Jan-Mar 73
ANIMAL EXPERIMENTS/ BONE AND BONES/ CULTURE MEDIA/ FISH PRODUCTS/ *FLUORESCENT ANTIBODY TECHNIC/ MEAT/ SALMONELLA, immunology/ *SALMONELLA, isolation & purification

3654. **Smyth CJ, Leidholt JD:** Steroid arthropathy of the hip. Clin Orthop 90:50-6, Jan-Feb 73 (38 ref.)
ARTHRITIS, INFECTIOUS, etiology/ EMBOLISM, FAT, chemically induced/ EPIPHYSES, SLIPPED, chemically induced/ *FEMUR HEAD NECROSIS, chemically induced/ *GLUCOCORTICOIDS, adverse effects/ HIP JOINT/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INJECTIONS, INTRA-ARTICULAR/ *JOINT DISEASES, chemically induced/ KIDNEY, transplantation/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ NEURITIS, chemically induced/ REVIEW/ SYNOVITIS, chemically induced/ TRANSPLANTATION, HOMOLOGOUS

3655. **Snaith ML, Holt JM, Oliver DO, et al:** Treatment of patients with systemic lupus erythematosus including nephritis with chlorambucil.
Br Med J 2:197-201, 28 Apr 73
ADULT/ ALOPECIA, chemically induced/ AMENORRHEA, chemically induced/ AZATHIOPRINE, adverse effects/ BIOPSY/ BONE MARROW, drug effects/ CHLORAMBUCIL, adverse effects/ CHLORAMBUCIL, pharmacodynamics/ *CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, adverse effects/ CYSTITIS, chemically induced/ FEMALE/ HEMOLYSIS/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ NEPHRITIS, complications/ *NEPHRITIS, drug therapy/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ VASCULAR DISEASES, drug therapy

3656. **Snapir N, Robinzon B, Godschalk M, et al:** The effect of intrahypothalamic administration of sodium pentobarbital on eating behaviour and feed intake in chickens. Physiol Behav 10:97-100, Jan 73
ANIMAL EXPERIMENTS/ CEREBRAL VENTRICLES, drug effects/ *CHICKENS/ *EATING, drug effects/ *FEEDING BEHAVIOR, drug effects/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INJECTIONS/ MALE/ PENTOBARBITAL, administration & dosage/ *PENTOBARBITAL, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics

3657. **Snider SR, Carlsson A:** The adrenal dopamine as an indicator of adrenomedullary hormone biosynthesis. Naunyn Schmiedebergs Arch Pharmacol 275:347-57, 29 Dec 72
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHLORISONDAMINE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ *DOPAMINE, metabolism/ ENZYME INDUCTION/ EPINEPHRINE, metabolism/ HALF-LIFE/ INSULIN, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ RESERPINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism

3658. **Snowdon JA:** Hyperglycaemic non-ketotic coma. Med J Aust 1:698-700, 7 Apr 73
*DIABETIC COMA, etiology/ HUMAN/ *HYPERGLYCEMIA, etiology/ INSULIN, ISOPHANE, administration & dosage/ INSULIN, ISOPHANE, therapeutic use/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ PREDNISONE, therapeutic use/ *WEGENER'S GRANULOMATOSIS, complications/ WEGENER'S GRANULOMATOSIS, drug therapy

3659. **Snyder BW, Schuetz AW:** In vitro evidence of steroidogenesis in the amphibian (Rana pipiens) ovarian follicle and its relationship to meiotic maturation and ovulation.
J Exp Zool 183:333-42, Mar 73
*ANDROSTENES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ FROGS/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, metabolism/ *GRAAFIAN FOLLICLE, metabolism/ HYDROXYSTEROID DEHYDROGENASE, antagonists & inhibitors/ HYDROXYSTEROIDS, pharmacodynamics/ IN VITRO/ KETOSTEROIDS, pharmacodynamics/ *MEIOSIS/ MEIOSIS, drug effects/ NITRILES, pharmacodynamics/ *OVULATION/ OVULATION, drug effects/ PITUITARY HORMONES, pharmacodynamics/ PREGNENOLONE, metabolism/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, biosynthesis/ PROGESTERONE, pharmacodynamics/ RANA PIPIENS/ STIMULATION, CHEMICAL/ TRITIUM

3660. **Sobel BE, Mayer SE:** Cyclic adenosine monophosphate and cardiac contractility.
Circ Res 32:407-14, Apr 73 (58 ref.)
ADENINE NUCLEOTIDES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ BINDING SITES/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, pharmacodynamics/ GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ HEART, drug effects/ *HEART, physiology/ HUMAN/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ OXIDATIVE PHOSPHORYLATION/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ PROTEIN BINDING/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ THEOPHYLLINE, pharmacodynamics

3661. **Sobels FH:** The role of Drosophila in the field of mutation research. Arch Genet (Zur) 45:101-25, 1972
ANIMAL EXPERIMENTS/ CHROMOSOME ABERRATIONS/ CYTOGENETICS/ *DROSOPHILA/ DROSOPHILA, radiation effects/ FEMALE/ GENETICS, BIOCHEMICAL, radiation effects/ MALE/ *MUTATION/ RADIATION EFFECTS/ RESEARCH/ SEX CHROMOSOMES, radiation effects

3662. **Sobrinho LG, Faro L, Botelho LS, et al:** Doenças por disormonogénese supra-renal. O conceito de enzimopatia minor. O bloquelo da deshidrogenase dos 3 beta hidroxiesteroides; sua possívael importância na patogénese do carcinoma da mama.
Rev Iber Endocrinol 20:113-69, Mar 73 (Por)
*ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLAND DISEASES, enzymology/ ADRENAL GLANDS, physiopatbology/ ANDROGENS, physiology/ BREAST NEOPLASMS, enzymology/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, physiopatbology/ ENGLISH ABSTRACT/ ESTROGENS, physiology/ FEMALE/ GLUCOCORTICOIDS, biosynthesis/ GLUCOCORTICOIDS, secretion/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ *METABOLIC DISEASES, complications/ METABOLISM, INBORN ERRORS, complications/ MINERALOCORTICOIDS, biosyntbesis/ MINERALOCORTICOIDS, secretion

3663. **Soderling TR, Corbin JD, Park CR:** Regulation of adenosine 3',5'-monopbosphate-dependent protein kinase. II. Hormonal regulation of the adipose tissue enzyme. J Biol Chem 248:1822-9, 10 Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ APOPROTEINS/ CAFFEINE, pbarmacodynamics/ CORTICOTROPIN, pbarmacodynamics/ ENZYME ACTIVATION/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, enzymology/ EPIDIDYMIS, metabolism/ EPINEPHRINE, antagonists & inhibitors/ *EPINEPHRINE, pbarmacodynamics/ GEL FILTRATION/ GLUCAGON, pharmacodynamics/ *INSULIN, pharmacodynamics/ KINETICS/ MACROMOLECULAR SYSTEMS/ MALE/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN KINASE, metabolism/ RATS

3664. **Söderström N, Biörklund A:** Intranuclear cytoplasmic inclusions in some types of thyroid cancer.
Acta Cytol (Baltimore) 17:191-7, May-Jun 73
BIOPSY, NEEDLE/ *CARCINOMA, PAPILLARY, diagnosis/ CARCINOMA, PAPILLARY, patbology/ CELL NUCLEOLUS/ CELL NUCLEUS/ *CELLULAR INCLUSIONS/ CYTODIAGNOSIS/ HUMAN/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

3665. **Sohn RS, Ferrendelli JA:** Inhibition of Ca ++ transport into rat brain synaptosomes by diphenylhydantoin (DPH). J Pharmacol Exp Ther 185:272-5, May 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ CALCIUM, antagonists & inbibitors/ *CALCIUM, metabolism/ DIPHENYLHYDANTOIN, administration & dosage/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ IN VITRO/ *NERVE ENDINGS, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ *SYNAPTIC VESICLES, metabolism/ SYNAPTOSOMES, metabolism/ TIME FACTORS

3666. **Sokolov VI:** Gistogenez nadpochechnika zolotistogo khomiachka (Mesocricetus auratus Waterh.) v sviazi s problemoĭ x-zony.
Arkh Anat Gistol Embriol 63:65-75, Jul 72 (Rus)
ACID PHOSPHATASE, metabolism/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, growtb & development/ ADRENAL GLANDS, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ENGLISH ABSTRACT/ ESTERASES, metabolism/ FEMALE/ HAMSTERS/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ MALE/ POLYSACCHARIDES, metabolism/ PREGNANCY/ SUCCINATE DEHYDROGENASE, metabolism

3667. **Sokolovskiĭ VV, Atianina TF, Sorokin AI:** Ob uchastii sul'fgidril'nykb grupp v kon"iugirovanii belkov s lipidami.
Dokl Akad Nauk SSSR 209:738-41, 21 Mar 73 (Rus)
ADRENOCHROME/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ BRAIN/ HYDROGEN PEROXIDE/ IN VITRO/ *LIPOPROTEINS/ LIVER/ MICE/ PROTEIN BINDING/ *SULFHYDRYL COMPOUNDS

3668. **Solem JH:** Samspillet hypothalamus--hypofyse--binyrebark.
Tidsskr Nor Laegeforen 92:2166-70, 20 Nov 72 (Nor)
ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLAND DISEASES, diagnosis/ *ADRENAL GLANDS, secretion/ CIRCADIAN RHYTHM/ CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING FACTOR, secretion/ ENGLISH ABSTRACT/ FEEDBACK/ HYDROCORTISONE, blood/ HYPOTHALAMUS, secretion/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY DISEASES, diagnosis/ *PITUITARY GLAND, secretion/ STRESS

3669. **Solomon D, Strummer D, Nair PP:** Relationship between vitamin E and urinary excretion of ketosteroid fractions in cystic mastitis.
Ann NY Acad Sci 203:103-10, 18 Dec 72
ADULT/ ANDROSTERONE, urine/ CHRONIC DISEASE/ CYSTS, drug tberapy/ *CYSTS, urine/ DEHYDROEPIANDROSTERONE, urine/ ESTROGENS, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HEME, biosyntbesis/ HEMEPROTEINS, biosynthesis/ HUMAN/ 17-KETOSTEROIDS, metabolism/ *17-KETOSTEROIDS, urine/ LEVULINIC ACID, urine/ MASTITIS, drug therapy/ *MASTITIS, urine/ MENSTRUATION/ MIDDLE AGE/ OVULATION/ PORPHOBILINOGEN, urine/ PORPHYRINS, urine/ PREGNANES, metabolism/ PREGNANETRIOL, metabolism/ *VITAMIN E, tberapeutic use

3670. **Solov'ev MM, Mavlianov AN, Fomicheva LI:** O mekhanizme sanogeneza pri odontogennykh vospaliteľnykh zabolevaniiakh cheliustno-litsevoĭ oblasti.
Stomatologiia (Mosk) 52:48-51, Mar-Apr 73 (Rus)
ACUTE DISEASE/ ENGLISH ABSTRACT/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ *PERIAPICAL ABSCESS, blood/ *PHAGOCYTOSIS/ SKIN TESTS/ TRYPAN BLUE

3671. **Soloway MS, Myers GH Jr:** The effect of hormonal therapy on a transplantable renal cortical adenocarcinoma in syngeneic mice.
J Urol 109:356-61, Mar 73
*ADENOCARCINOMA, drug therapy/ ANIMAL EXPERIMENTS/ *CORTISONE, therapeutic use/ *DIETHYLSTILBESTROL, therapeutic use/ FEMALE/ *KIDNEY NEOPLASMS, drug therapy/ MALE/ *MEDROXYPROGESTERONE, therapeutic use/ MICE/ MICE, INBRED STRAINS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, drug therapy/ *TESTOSTERONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

3672. **Sólyom J:** Effect of sodium depletion and loading on the in vitro steroid production by the capsular and decapsulated adrenal gland of the rat.
Endokrinologie 61:92-6, 1973
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ MALE/ RATS/ *SODIUM, pharmacodynamics/ TIME FACTORS

3673. **Soman CS, Sirsat MV:** Amyloidosis and cancer--a review. Indian J Cancer 9:340-1, Dec 72
ADULT/ AGED/ *AMYLOIDOSIS, diagnosis/ AMYLOIDOSIS, etiology/ AMYLOIDOSIS, pathology/ BLOOD VESSELS, pathology/ DIAGNOSIS, DIFFERENTIAL/ EYELIDS, pathology/ FEMALE/ HUMAN/ LARYNX, pathology/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ *NEOPLASMS, diagnosis/ STERNUM, pathology/ THYROID GLAND, pathology/ TONGUE, pathology

3674. **Somerndike JM, Ostermiller WE Jr, Salyer JM, et al:** Surgical management of thoracic outlet syndrome by first rib resection. Am Surg 39:250-2, Apr 73
ADULT/ ARM, physiopathology/ ATELECTASIS, etiology/ *CARPAL TUNNEL SYNDROME, complications/ CERVICAL VERTEBRAE/ COLLAGEN DISEASES, etiology/ CONTRACEPTIVES, ORAL/ DRAINAGE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ RIBS, surgery/ SCALENUS ANTICUS SYNDROME, complications/ SCALENUS ANTICUS SYNDROME, physiopathology/ *SCALENUS ANTICUS SYNDROME, surgery/ SHOULDER, physiopathology/ SPINAL DISEASES, complications

3675. **Song MK, Ianuzzo CD, Saubert CW 4th, et al:** The mode of adrenal gland enlargement in the rat in response to exercise training. Pfluegers Arch 339:59-68, 5 Mar 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DNA, analysis/ *EXERTION/ HYPERPLASIA/ HYPERTROPHY/ MALE/ ORGAN WEIGHT/ RATS/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics

3676. **Sonka J, Gregorová I, Tomsová Z, et al:** Plasma androsterone, dehydroepiandrosterone and 11-hydroxycorticoids in obesity. Effects of diet and physical activity. Steroids Lipids Res 3:65-74, 1972
ADULT/ *ANDROSTERONE, blood/ BODY HEIGHT/ BODY WEIGHT/ *DEHYDROEPIANDROSTERONE, blood/ DIET, REDUCING/ EXERTION/ FEMALE/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ MUSCLE PROTEINS, metabolism/ MUSCLES, metabolism/ *OBESITY, blood/ OBESITY, therapy/ TIME FACTORS

3677. **Sooby DL, Jackson HL, Sandrock AR, et al:** Radiation exposure to radiologists during bronchial brush biopsies. Radiology 107:305-7, May 73
*BIOPSY/ *BRONCHIAL DISEASES, diagnosis/ ENVIRONMENTAL EXPOSURE/ *EYE, radiation effects/ *HAND, radiation effects/ HUMAN/ *RADIATION MONITORING/ *RADIOGRAPHY/ *THYROID GLAND, radiation effects

3678. **Sood GC, Sofat BK, Mehrotra SK, et al:** Capsular exfoliation syndrome.
Br J Ophthalmol 57:120-4, Feb 73
AGED/ BLINDNESS, classification/ CATARACT, complications/ CATARACT EXTRACTION/ EYE DISEASES, familial & genetic/ EYE DISEASES, surgery/ GENES/ GLAUCOMA, complications/ HUMAN/ IRIS, surgery/ *LENS, CRYSTALLINE/ LENS, CRYSTALLINE, surgery/ MALE/ MIDDLE AGE/ SCLERA, surgery/ SEX CHROMOSOMES/ SYNDROME, diagnosis

3679. **Sooriyamoorthy T, Livingston A:** Blood flow changes in the pituitary neural lobe of the rabbit associated with neurohypophysial hormone-releasing stimuli.
J Endocrinol 57:75-85, Apr 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE/ CALCIUM CHLORIDE, pharmacodynamics/ FEMALE/ HEMORRHAGE/ MALE/ METHACHOLINE COMPOUNDS, pharmacodynamics/ METHOXAMINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *PITUITARY GLAND, POSTERIOR, blood supply/ PITUITARY GLAND, POSTERIOR, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, physiology/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RADIOISOTOPE DILUTION TECHNIC/ RADIOISOTOPES/ REGIONAL BLOOD FLOW, drug effects/ VAGUS NERVE, physiology/ XENON

3680. **Sorgen CD, Glass RH:** Lack of effect of prostaglandin F2alpha on the fertilizing ability of rabbit sperm.
Prostaglandins 1:229-33, Mar 72
ANIMAL EXPERIMENTS/ CULTURE MEDIA/ EJACULATION/ EPIDIDYMIS/ FEMALE/ FERTILIZATION, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IN VITRO/ MALE/ MICROSCOPY, POLARIZATION/ OVIDUCTS/ OVUM, physiology/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SPECIAL LIST REPRODUCTION/ SPERMATOZOA, drug effects

3681. **Sorimachi M, Kataoka K, Hori S, et al:** Tryptophan hydroxylase in nucleated thrombocytes of the domestic fowl. Eur J Biochem 33:486-93, 15 Mar 73
ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, enzymology/ BRAIN, enzymology/ CARBON DIOXIDE/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ CATTLE/ CELL NUCLEUS/ CHICKENS/ P-CHLOROPHENYLALANINE/ DIGITONIN/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYDROXYLASES, blood/ HYDROXYTRYPTOPHAN, biosynthesis/ KINETICS/ METHODS/ PTERIDINES/ RABBITS/ SEROTONIN, biosynthesis/ SOLUBILITY/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ TRYPTOPHAN HYDROXYLASE, blood/ TRYPTOPHAN HYDROXYLASE, isolation & purification

3682. **Souhami RL, Smith J, Bradfield JW:** The effect of uraemia on organ graft survival in the rat.
Br J Exp Pathol 54:183-91, Apr 73
ADRENAL GLAND DISEASES/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, pharmacodynamics/ DISEASE MODELS, ANIMAL/ *GRAFT REJECTION/ HEART, transplantation/ HYPERTROPHY/ KIDNEY FAILURE, CHRONIC/ LYMPH NODES, pathology/ LYMPHOCYTES/ LYMPHOID TISSUE, pathology/ LYMPHOPENIA/ MALE/ METHODS/ MYOCARDIUM, pathology/ NEPHRECTOMY/ ORGAN WEIGHT/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ UREA, blood/ *UREMIA/ UREMIA, pathology

3683. **Southall DB:** Osteogenesis imperfecta diagnosed in

utero. Med J Aust I:566, I7 Mar 73
CASE REPORT/ *FETAL DISEASES, radiograpby/ HUMAN/ INFANT, NEWBORN/ *OSTEOGENESIS IMPERFECTA, radiography/ *PRENATAL DIAGNOSIS

3684. **Southard JH, Penniston JT, Green DE:** Induction of transmembrane proton transfer by mercurials in mitocbondria. I. Ion movements accompanying transmembrane proton transfer.
J Biol Chem 248:3546-50, 25 May 73
ACETIC ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CAPRYLATES, pharmacodynamics/ CATTLE/ CHLORIDES, pbarmacodynamics/ FLUORESCEINS, pharmacodynamics/ LINOLEIC ACID, pharmacodynamics/ MEMBRANES, metabolism/ *MERCURY, pbarmacodynamics/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ *MYOCARDIUM, metabolism/ NITRATES, pharmacodynamics/ *ORGANOMETALLIC COMPOUNDS, pbarmacodynamics/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ *PROTONS/ SODIUM, pharmacodynamics/ TYROTHRICIN, pbarmacodynamics

3685. **Southion CL:** Thanatophoric dwarfism.
Australas Radiol I6:3I6-9, Sep 72
CASE REPORT/ *DWARFISM, radiography/ FEMALE/ *FETAL DEATH, radiography/ FORAMEN MAGNUM, radiography/ HUMAN/ INFANT, NEWBORN/ TEMPORAL BONE, radiograpby

3686. **Southren AL, Gordon GG, Olivo J, et al:** Androgen metabolism in cirrhosis of the liver.
Metabolism 22:695-701, May 73
*ANDROGENS, metabolism/ ANDROSTENEDIONE/ HUMAN/ HYPOGONADISM, etiology/ LIVER, drug effects/ LIVER CIRRHOSIS, blood/ LIVER CIRRHOSIS, complications/ *LIVER CIRRHOSIS, metabolism/ LIVER CIRRHOSIS, physiopatbology/ MALE/ TESTIS, physiopathology/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics

3687. **Späte HF:** Betreuungsmöglicbkeiten im Rahmen der Suizidpropbylaxe.
Z Aerztl Fortbild (Jena) 67:131-6, I Feb 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ CRIME/ DRUG ADDICTION/ FEMALE/ GERMANY, EAST/ HOME CARE SERVICES/ HUMAN/ INTERPERSONAL RELATIONS/ MALE/ MARRIAGE/ PSYCHOSES, MANIC-DEPRESSIVE/ PUBERTY/ SEX DEVIATION/ SOCIAL ISOLATION/ *SUICIDE, prevention & control

3688. **Spear G:** The proximal tubule and the podocyte in cystinosis. Nepbron I0:57-60, 1973
CHILD, PRESCHOOL/ CYSTINE, metabolism/ *CYSTINOSIS, pathology/ EPITHELIAL CELLS/ FANCONI SYNDROME, pathology/ FEMALE/ HUMAN/ *KIDNEY TUBULES, pathology/ KIDNEY TUBULES, PROXIMAL, patbology/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ SYNDROME

3689. **Spector R, Lorenzo AV:** The transport and metabolism of salicylate in the central nervous system: in vivo studies. J Pbarmacol Exp Ther I85:276-86, May 73
ALBUMINS, metabolism/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON ISOTOPES/ CATS/ *CENTRAL NERVOUS SYSTEM, metabolism/ CEREBRAL VENTRICLES, metabolism/ CISTERNA MAGNA, metabolism/ HEART RATE, drug effects/ IODIDES, metabolism/ IODINE ISOTOPES/ KINETICS/ PENICILLIN G, metabolism/ PERFUSION/ RESPIRATION, drug effects/ SALICYLATES, blood/ SALICYLATES, cerebrospinal fluid/ *SALICYLATES, metabolism/ SALICYLATES, pharmacodynamics/ SALICYLIC ACID, metabolism/ SERUM ALBUMIN, metabolism/ SUCROSE, metabolism/ TIME FACTORS/ TRITIUM

3690. **Speiler PB, Kikkawa Y, Joseph J, et al:** Steroid attenuation of hyperacute pulmonary xenograft rejection. Rev Surg 30:222-4, May-Jun 73
ANIMAL EXPERIMENTS/ *BLOOD TRANSFUSION, adverse effects/ CATS/ DOGS/ ERYTHROCYTE AGGREGATION, INTRAVASCULAR, etiology/ ERYTHROCYTE AGGREGATION, INTRAVASCULAR, prevention & control/ *GRAFT REJECTION, drug effects/ *METHYLPREDNISOLONE, pbarmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ SUCCINATES, pharmacodynamics/ *TRANSPLANTATION, HETEROLOGOUS

3691. **Speiler PB, Kikkawa Y, Veith FJ, et al:** Steroid attenuation of the pulmonary vascular changes produced by heterologous plasma infusions.
Am Rev Respir Dis I07:680-3, Apr 73
ANIMAL EXPERIMENTS/ BIOPSY/ *BLOOD TRANSFUSION/ CATS/ DOGS/ ERYTHROCYTE AGGREGATION, INTRAVASCULAR, etiology/ *ERYTHROCYTE AGGREGATION, INTRAVASCULAR, prevention & control/ GRAFT REJECTION, drug effects/ HEMORRHAGE, etiology/ *HISTOCOMPATIBILITY, drug effects/ LEUKOCYTES/ LUNG, blood supply/ LUNG, pathology/ METHYLPREDNISOLONE, pharmacodynamics/ *METHYLPREDNISOLONE, therapeutic use/ *PLASMA, immunology/ PULMONARY EDEMA, etiology/ TIME FACTORS

3692. **Spellacy WN, Buhi WC, Birk SA, et al:** Human placental lactogen levels and intrapartum fetal distress: meconium-stained amniotic fluid, fetal heart rate patterns, and Apgar scores.
Am J Obstet Gynecol II4:803-8, I5 Nov 72
*AMNIOTIC FLUID, analysis/ *APGAR SCORE/ FEMALE/ *FETAL DISEASES, diagnosis/ *FETAL HEART, physiopathology/ GESTATIONAL AGE/ HEART RATE/ HUMAN/ INFANT, NEWBORN/ LABOR/ LABOR PRESENTATION/ *MECONIUM, analysis/ MONITORING SYSTEMS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

3693. **Spellacy WN, Buhi WC, Riggall FC, et al:** Human amniotic fluid lecithin-sphingomyelin ratio changes with estrogen or glucocorticoid treatment.
Am J Obstet Gynecol II5:2I6-8, 15 Jan 73
AMNIOCENTESIS/ *AMNIOTIC FLUID, analysis/ *ESTROGENS, therapeutic use/ FEMALE/ *FETAL DISEASES, drug therapy/ FETUS, metabolism/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *LECITHINS, analysis/ LUNG, embryology/ PREGNANCY/ PULMONARY SURFACTANT, biosynthesis/ *SPHINGOMYELINS, analysis

3694. **Spence IM:** Studies on Burkitt's lymphoma. I. A preliminary report on the presence of mycoplasma-like organisms in specimens examined by electron microscopy.
S Afr J Med Sci 37:27-32, Jul 72
ANIMAL EXPERIMENTS/ AUTOPSY/ BIOPSY/ BRONCHOPNEUMONIA, etiology/ BURKITT'S LYMPHOMA, etiology/ *BURKITT'S LYMPHOMA, microbiology/ CELL LINE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HAMSTERS/ HUMAN/ JAW NEOPLASMS, microbiology/ KIDNEY/ MALE/ MICROSCOPY, ELECTRON/ MONKEYS/ *MYCOPLASMA, isolation & purification/ MYCOPLASMA, pathogenicity/ OVARIAN NEOPLASMS, microbiology

3695. **Spencer H, Warren JM, Kramer L, et al:** Passage of calcium and strontium across the intestine in man.
Clin Orthop 91:225-34, Mar-Apr 73
CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ CALCIUM ISOTOPES/

FECES, analysis/ FOOD/ HUMAN/ *INTESTINAL ABSORPTION/ PHOSPHORUS, pharmacodynamics/ STRONTIUM, blood/ *STRONTIUM, metabolism/ STRONTIUM ISOTOPES

3696. Sperling MA, Wolfsen AR, Fisher DA: Congenital adrenal hypoplasia: an isolated defect of organogenesis. J Pediatr 82:444-9, Mar 73
*ADRENAL GLAND DISEASES, familial & genetic/ *ADRENAL GLANDS, abnormalities/ ALDOSTERONE, blood/ BLOOD SUGAR/ CALCIUM, blood/ CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ DESOXYCORTICOSTERONE, therapeutic use/ DEXAMETHASONE, therapeutic use/ *DISEASES IN TWINS/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ INSULIN, diagnostic use/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ POSTURE/ POTASSIUM, blood/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ THYROXINE, blood

3697. Spesivtseva VG: Diffuznyĭ toksicheskii zob. Med Sestra 32:3-8, Feb 73 (Rus)
GOITER, EXOPHTHALMIC/ SPECIAL LIST NURSING

3698. Spevack AA, Pribram KH: Decisional analysis of the effects of limbic lesions of learning in monkeys. J Comp Physiol Psychol 82:211-26, Feb 73
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ ATTENTION/ CUES/ *DISCRIMINATION LEARNING/ EXTINCTION (PSYCHOLOGY)/ HABITUATION (PSYCHOPHYSIOLOGY)/ HIPPOCAMPUS, physiology/ INFORMATION THEORY/ *LIMBIC SYSTEM, physiology/ MACACA/ MONKEYS/ REACTION TIME/ REINFORCEMENT SCHEDULE/ *REVERSAL LEARNING/ VISUAL PERCEPTION

3699. Spiessens H, De Roo M: , Steeno O:Statistics on the results of the T 3 -binding capacity and the bound thyroxine in human serum.
J Belge Radiol 55:547-56, Sep-Oct 72
CONTRACEPTIVES, ORAL, metabolism/ FEMALE/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS, metabolism/ PROBABILITY/ STATISTICS/ THYROID DISEASES, blood/ THYROID GLAND, metabolism/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3700. Spilker BA: A comparative description of inotropic agents in vitro.
Arch Int Pharmacodyn Ther 202:325-41, Apr 73
ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ *CALCIUM, pharmacodynamics/ CATS/ CELLS, CULTURED/ COCAINE, pharmacodynamics/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCAGON, pharmacodynamics/ GUINEA PIGS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ *HISTAMINE, pharmacodynamics/ IN VITRO/ MANGANESE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ *OUABAIN, pharmacodynamics/ PAPILLARY MUSCLES, drug effects/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ TEMPERATURE/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3701. Sprague AD, Duhring JL, Moser RJ, et al: Maternal and fetal levels of HCS in preeclampsia.
Obstet Gynecol 41:770-3, May 73
ADULT/ FEMALE/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ *PLACENTAL HORMONES, blood/ *PREGNANCY TOXEMIAS, blood

3702. Sprecher Goldberger S, Lefébvre N, Pochet R, et al: Thermosensitive events in adenovirus transformed cells. I. Resistance to herpes simplex virus.
Arch Gesamte Virusforsch 40:236-47, 1973
ADENOVIRUS/ ADENYL CYCLASE, metabolism/ CARBON ISOTOPES/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED, microbiology/ DNA, VIRAL, biosynthesis/ FIBROBLASTS/ FLUORESCENT ANTIBODY TECHNIC/ GLUCOSAMINE, metabolism/ HAMSTERS/ *HERPESVIRUS HOMINIS, growth & development/ HERPESVIRUS HOMINIS, metabolism/ KIDNEY/ PHENYLALANINE, metabolism/ PHOSPHORUS ISOTOPES/ POLYOMA VIRUS/ TEMPERATURE/ THYMIDINE, metabolism/ TRITIUM/ URIDINE, metabolism/ VIRAL PROTEINS, biosynthesis/ VIRUS REPLICATION

3703. Srirangareddy G, Rao BS: Effect of fluoride on the skeleton of rats maintained on different levels of calcium in the diet. Indian J Med Res 60:481-7, Mar 72
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CALCIUM, blood/ *CALCIUM, DIETARY, administration & dosage/ FEMUR, drug effects/ FLUORIDES, administration & dosage/ *FLUORIDES, therapeutic use/ MALE/ *OSTEOPOROSIS, prevention & control/ PHOSPHORUS, blood/ RATS

3704. Srivastava LS, Werk EE Jr, Thrasher K, et al: Plasma cortisone concentration as measured by radioimmunoassay.
J Clin Endocrinol Metab 36:937-43, May 73
ADULT/ AGED/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, pharmacodynamics/ *CORTISONE, blood/ CROSS REACTIONS/ CUSHING'S SYNDROME, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ KIDNEY DISEASES, blood/ LIVER DISEASES, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TRITIUM

3705. Srivastava RK, Kulshrestha VK, Singh N, et al: Central cardiovascular effects of intracerebroventricular propranolol. Eur J Pharmacol 21:222-9, Feb 73
ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, drug effects/ ADRENALECTOMY/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CARDIOVASCULAR SYSTEM, drug effects/ CATECHOLAMINES, blood/ CATECHOLAMINES, metabolism/ CEREBRAL VENTRICLES/ DOGS/ FLUORESCENCE SPECTROMETRY/ HYDROXYDOPAMINE, pharmacodynamics/ INJECTIONS/ PHENOXYBENZAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ STELLATE GANGLION, physiology/ TIME FACTORS/ VAGOTOMY/ VAGUS NERVE, physiology/ YOHIMBINE, pharmacodynamics

3706. Srivastava VK, Bigelow CC: On the oxidation of lysozyme by N-bromosuccinimide.
Biochim Biophys Acta 285:373-6, 28 Dec 72
ACETIC ACIDS/ AMINO ACID SEQUENCE/ CIRCULAR DICHROISM/ GLUCOSAMINE/ IODINE/ *MURAMIDASE/ OXIDATION-REDUCTION/ PROTEIN BINDING/ PROTEIN CONFORMATION/ *PYRROLIDINONES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUCCINIMIDES/ *TRYPTOPHAN

3707. Stadaas JO: Morbus Brill-Symmers.
Tidsskr Nor Laegeforen 93:166-70, 30 Jan 73 (Nor)
AGED/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS/ HUMAN/ LYMPH NODE EXCISION/ LYMPH NODES, pathology/ *LYMPHOMA, GIANT

FOLLICULAR, pathology/ LYMPHOMA, GIANT FOLLICULAR, surgery/ MALE/ MIDDLE AGE/ NECK NEOPLASMS/ NEOPLASM RECURRENCE, LOCAL/ OMENTUM, patbology/ OVARY, pathology/ PERITONEAL NEOPLASMS/ PLEURAL NEOPLASMS/ THORACIC NEOPLASMS/ THYROID NEOPLASMS

3708. **Stahl F, Poppe I, Stober B, et al:** Testosteronbestimmungen im Plasma und Fruchtwasser mit Hilfe einer kompetitiven Protein-bindungsmetbode.
Endokrinologie 60:322-8, 1972 (Ger)
ADOLESCENCE/ ADULT/ AMNIOTIC FLUID, analysis/ CHROMATOGRAPHY, PAPER/ ENDOCRINE DISEASES, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ SEX FACTORS/ TESTOSTERONE, analysis/ *TESTOSTERONE, blood

3709. **Stahl NL, Teeslink CR, Beauchamps G, et al:** Serum testosterone levels in hirsute women: a comparison of adrenal, ovarian and peripberal vein values.
Obstet Gynecol 41:650-4, May 73
ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLANDS, blood supply/ ADULT/ DIABETES MELLITUS, complications/ DIPHENYLHYDANTOIN, adverse effects/ FACIAL DERMATOSES, complications/ *HIRSUTISM, blood/ HIRSUTISM, etiology/ HUMAN/ HYPERTRICHOSIS, etiology/ MIDDLE AGE/ OBESITY, complications/ OVARIAN DISEASES, complications/ OVARY, blood supply/ STEIN-LEVENTHAL SYNDROME, complications/ *TESTOSTERONE, blood/ VIRILISM, complications

3710. **Stahl WL, Swanson PD:** Calcium movements in brain slices in low sodium or calcium media.
J Neurochem 19:2395-407, Oct 72
ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, pbarmacodynamics/ CALCIUM ISOTOPES/ *CEREBRAL CORTEX, metabolism/ CYANIDES, pharmacodynamics/ ELECTRIC STIMULATION/ ETHACRYNIC ACID, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ INULIN, analysis/ MAGNESIUM, analysis/ OUABAIN, pharmacodynamics/ POTASSIUM, analysis/ SODIUM, analysis/ *SODIUM, pbarmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION

3711. **Stamatiadou MN:** Inhibition by serotonin of glutamine synthetase formation in cultured mouse cells strain L.
Biochim Biophys Acta 304:169-80, 30 Mar 73
ACYLTRANSFERASES, metabolism/ CELL-FREE SYSTEM/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ FLUORINE, pbarmacodynamics/ GLUTAMATES/ GLUTAMINE, metabolism/ GLUTAMINE, pharmacodynamics/ GLUTAMINE SYNTHETASE, antagonists & inhibitors/ *GLUTAMINE SYNTHETASE, biosyntbesis/ GLUTAMINE SYNTHETASE, metabolism/ HYDROCORTISONE, pbarmacodynamics/ L CELLS, drug effects/ *L CELLS, enzymology/ MICE/ MOLECULAR BIOLOGY/ PHENYLALANINE, pbarmacodynamics/ SEROTONIN, administration & dosage/ *SEROTONIN, pbarmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

3712. **Stamp TC, Round JM:** Serum alkaline phosphatase and rickets.
Br Med J 2:113, 14 Apr 73
ADOLESCENCE/ *ALKALINE PHOSPHATASE, blood/ ASIA/ ENGLAND/ FEMALE/ HUMAN/ MALE/ PUBERTY/ RACIAL STOCKS/ RICKETS, blood/ *RICKETS, enzymology

3713. **Stampfer M, Baltimore D:** Identification of the vesicular stomatitis virus large protein as a unique viral protein.
J Virol 11:520-6, Apr 73
ANTIBIOTICS, ANTINEOPLASTIC, pharmacodynamics/ CARBON ISOTOPES/ CHROMATOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HAMSTERS/ LEUCINE, metabolism/ LYSINE, metabolism/ OVARY/ PEPTIDES, analysis/ STEREOISOMERS/ TISSUE CULTURE/ TRITIUM/ TRYPSIN/ *VESICULAR STOMATITIS VIRUS, analysis/ VESICULAR STOMATITIS VIRUS, growtb & development/ VESICULAR STOMATITIS VIRUS, metabolism/ *VIRAL PROTEINS, analysis/ VIRAL PROTEINS, biosyntbesis

3714. **Stancheva M, Trepechov S, Dokumov S:** Soderzhanie belkovosviazannogo loda v syvorotke krovi rodil'nits.
Akush Ginekol (Mosk) 49:44-6, Feb 73 (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/ FEMALE/ HUMAN/ PREGNANCY/ *PROTEIN-BOUND IODINE TEST/ *PUERPERIUM/ THYROID GLAND, secretion/ TIME FACTORS

3715. **Stanciu E:** Aspecte medico-legale ale tulburărilor de comportament la vîrsta pubertăţii şi adolescenţei.
Neurol Psihiatr Neurochir 17:431-40, Sep-Oct 72 (Rum)
ADOLESCENCE/ ALCOHOLISM/ BRAIN DISEASES, complications/ CHILD/ *CHILD BEHAVIOR DISORDERS, etiology/ DIVORCE/ ENGLISH ABSTRACT/ ENVIRONMENT/ FAMILY CHARACTERISTICS/ HUMAN/ *JUVENILE DELINQUENCY, etiology/ MENTAL DISORDERS, complications/ MENTAL RETARDATION, complications/ PARENT-CHILD RELATIONS/ PUBERTY/ SOCIOECONOMIC FACTORS

3716. **Stancu H, Bălan M:** Doala basedow du exoftalmie malignă tratată prin tiroidectomie totală radioactivă.
Stud Cercet Endocrinol 24:231-3, 1973 (Rum)
FEMALE/ *GOITER, EXOPHTHALMIC, therapy/ HUMAN/ *IODINE ISOTOPES, tberapeutic use/ MIDDLE AGE/ *THYROIDECTOMY

3717. **Stankusheva T, Zografski Str, Dashev G, et al:** Vurkhu niakol aspekti ot klinikata, diagnostikata i lechenieto na feokhromotsitoma.
Khirurgiia (Sofiia) 26:40-5, 1973 (Bul)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS/ ADRENAL MEDULLA/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA

3718. **Stanley HR:** Management of patients with persistent recurrent apbtbous stomatitis and Sutton's disease.
Oral Surg 35:174-9, Feb 73
*ANTIBIOTICS, therapeutic use/ CHRONIC DISEASE/ HUMAN/ *MIKULICZ' DISEASE, drug tberapy/ MOUTHWASHES/ *PREDNISOLONE, therapeutic use/ RECURRENCE/ STEROIDS, tberapeutic use/ *STOMATITIS, APHTHOUS, drug therapy/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3719. **Stanosek J, Lewandowska-Tokarz A, Hepa J, et al:** Zmiany biochemiczne u świnek morskicb pod wpływem dużych dawek hydrokortyzonu. V. Wpływ na zachowanie się niektórych parametrów tkanki wątrobowej.
Endokrynol Pol 24:45-56, Jan-Feb 73 (Pol)
ANIMAL EXPERIMENTS/ DNA, metabolism/ ENGLISH ABSTRACT/ GUINEA PIGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ LIVER, anatomy & histology/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ ORGAN WEIGHT/ TIME FACTORS/ WATER, metabolism

3720. **Stark J, Kaufmann P:** Die Basalplatte der reifen menschlicben Placenta. 3. Bindegewebs- und Decidualzellen.
Arch Gynaekol 213:398-417, 21 Mar 73 (Ger)

CONNECTIVE TISSUE, enzymology/ DECIDUA, cytology/ DECIDUA, enzymology/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSEPHOSPHATASE, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUCURONIDASE, analysis/ HUMAN/ HYDROXYSTEROID DEHYDROGENASE, analysis/ ISOCITRATE DEHYDROGENASE, analysis/ LEUCINE AMINOPEPTIDASE, analysis/ MICROSCOPY, ELECTRON/ *PLACENTA, cytology/ PLACENTA, enzymology/ PREGNANCY

3721. **Stárka L, Sulcová J, Knuppen R, et al:** Formation of 2-methoxyoestrone from oestrone in human foetal adrenals in vitro. J Steroid Biochem 4:17-9, Jan 73
*ADRENAL GLANDS, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ ESTRONE, biosyntbesis/ *ESTRONE, metabolism/ FEMALE/ FETUS/ GESTATIONAL AGE/ HUMAN/ IN VITRO/ MALE/ METHYL ETHER, biosynthesis/ PREGNANCY/ SEX FACTORS/ TIME FACTORS

3722. **Starling JR, Rudolf LE, Ferguson W, et al:** Benefits of methylprednisolone in the isolated perfused organ. Ann Surg 177:566-71, May 73
ANIMAL EXPERIMENTS/ CATHEPSIN, metabolism/ DEPRESSION, CHEMICAL/ DOGS/ FEMALE/ GLUCURONIDASE, metabolism/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, transplantation/ *METHYLPREDNISOLONE, pharmacodynamics/ PERFUSION/ TEMPERATURE/ *TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS/ VASCULAR RESISTANCE

3723. **Starling KA, Fernbach DJ:** Hypoplastic anemia. J Pediatr 82:735, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANEMIA, APLASTIC, congenital/ ANEMIA, APLASTIC, drug therapy/ *ANEMIA, APLASTIC, familial & genetic/ CARRIER STATE, diagnosis/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *FETAL HEMOGLOBIN, analysis/ HEMOGLOBIN, analysis/ HUMAN/ INFANT, NEWBORN/ MALE

3724. **Starzl TE, Groth CG, Putnam CW, et al:** Cyclophospbamide for clinical renal and bepatic transplantation. Transplant Proc 5:511-6, Mar 73
ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CADAVER/ *CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ *IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ *LIVER, transplantation/ PREDNISONE, therapeutic use/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

3725. **Staudacher V:** Ultrastructural changes in canine lung allografts. Int Surg 58:236-42, Apr 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, pbarmacodynamics/ DOGS/ EDEMA, immunology/ *EDEMA, patbology/ ENDOPLASMIC RETICULUM, immunology/ GOLGI APPARATUS, immunology/ HISTOCOMPATIBILITY/ LUNG, drug effects/ *LUNG, transplantation/ METHYLPREDNISOLONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ PULMONARY ALVEOLI, immunology/ *PULMONARY ALVEOLI, patbology/ TRANSPLANTATION, HOMOLOGOUS

3726. **Stavy L, Cohen IR, Feldman M:** The effect of hydrocortisone on lymphocyte-mediated cytolysis. Cell Immunol 7:302-12, May 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ *ANTILYMPHOCYTE SERUM/ CONCANAVALIN A, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DNA, biosynthesis/ FIBROBLASTS, drug effects/ FIBROBLASTS, radiation effects/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LYMPH NODES, cytology/ LYMPH NODES, immunology/ *LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MICE/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ THYMIDINE, metabolism/ URIDINE, metabolism/ *VITAMIN A, pbarmacodynamics

3727. **Stebbings H, Ratcliffe NA:** Maintenance of insect ovarian microtubular structure and function in vitro. Nature [New Biol] 242:253-4, 25 Apr 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ FEMALE/ *INSECTS, metabolism/ *MICROTUBULES, metabolism/ OVARY, cytology/ RNA, biosyntbesis/ RNA, RIBOSOMAL, biosyntbesis/ TISSUE CULTURE/ TRITIUM/ URIDINE, metabolism

3728. **Steele RE, Wekstein DR:** Effects of throxine on calorigenic response of the newborn rat to norepinephrine. Am J Pbysiol 224:979-84, Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ *BODY TEMPERATURE REGULATION, drug effects/ DRUG SYNERGISM/ FEMALE/ *NOREPINEPHRINE, pharmacodynamics/ *OXYGEN CONSUMPTION, drug effects/ PREGNANCY/ RATS/ *THYROXINE, pbarmacodynamics

3729. **Stefanovich V:** Effect of 3,7-dimetbyl-1-(5-oxo-hexyl)xanthine and 1-bexyl-3,7-dimethyl xanthine on cyclic AMP vessels.
Res Commun Chem Pathol Pharmacol 5:655-62, May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CARBON ISOTOPES/ FEMALE/ HUMAN/ PERFUSION/ PERMEABILITY/ *PHOSPHODIESTERASES, metabolism/ TRITIUM/ *UMBILICAL ARTERIES, enzymology/ UMBILICAL ARTERIES, metabolism/ *UMBILICAL VEINS, enzymology/ UMBILICAL VEINS, metabolism/ *XANTHINES, pharmacodynamics

3730. **Steger H, Girschewski H, Piatkowski B, et al:** Die Beurteilung des Ketosisstatus laktierender Rinder aus der Konzentration der Ketokörper im Blut und des Azeton in der Milch.
Arcb Tierernaebr 22:157-62, Apr 72 (Ger)
ACETONE, analysis/ ACIDOSIS, blood/ *ACIDOSIS, veterinary/ ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ KETONE BODIES, blood/ LACTATION/ MILK, analysis/ REGRESSION ANALYSIS

3731. **Steger H, Piatkowski B, Girschewski H:** Die Wirkung von Propylenglykol und Methionin auf die Konzentration von Blutzucker und Ketonkörpern bei frischlaktierenden Hochleistungskühen.
Arcb Tierernaehr 22:217-21, Jun 72 (Ger)
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ *BLOOD SUGAR, analysis/ CATTLE/ CHOLESTEROL, blood/ ENGLISH ABSTRACT/ FEMALE/ HEMOGLOBINOMETRY/ *KETONE BODIES, blood/ LACTATION/ METHIONINE, administration & dosage/ *METHIONINE, pharmacodynamics/ PROPANEDIOLS, administration & dosage/ *PROPANEDIOLS, pharmacodynamics

3732. **Stehlíková J, Talaš M, Kudela M, et al:** Vliv resekce vaječníků na sekreci FSH a L.
Cesk Gynekol 38:161-2, Apr 73 (Cze)
ADULT/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ MENSTRUATION/ *OVARIAN CYSTS, surgery/ OVULATION/ *STEIN-LEVENTHAL SYNDROME, surgery

3733. **Steinbach PD, Schneider C, Ringelmann R:** Oncbozerkose als Ursache einer rezidivierenden Iridozyklitis.
Klin Monatsbl Augenbeilkd 162:64-7, Jan 73 (Ger)
ADRENAL CORTEX HORMONES, tberapeutic use/ ADULT/ *ANTERIOR CHAMBER/ CASE REPORT/ ENGLISH ABSTRACT/ EYE DISEASES, complications/ FILARIOIDEA/

HUMAN/ IRIDOCYCLITIS, drug therapy/ *IRIDOCYCLITIS, etiology/ MALE/ *ONCHOCERCIASIS, complications/ RECURRENCE

3734. **Steinberg D, Gold J, Brodin A:** Necrotizing enterocolitis in leukemia. Arch Intern Med 131:538-44, Apr 73
ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ CECUM, pathology/ COLON, pathology/ CYTARABINE, therapeutic use/ *ENTEROCOLITIS, ACUTE, etiology/ ENTEROCOLITIS, ACUTE, pathology/ ENTEROCOLITIS, ACUTE, radiography/ FEMALE/ HUMAN/ ILEUM, pathology/ INFECTION, complications/ *LEUKEMIA, MYELOBLASTIC, complications/ LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ MIDDLE AGE/ *NECROSIS, etiology/ PREDNISONE, therapeutic use

3735. **Steinberg ME, Wert RE, Korostoff E, et al:** Deformation potentials in whole bone. J Surg Res 14:254-9, Mar 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *BONE AND BONES, physiology/ ENVIRONMENT, CONTROLLED/ FEMUR, physiology/ IN VITRO/ MALE/ METHODS/ RATS/ *STRESS, MECHANICAL

3736. **Steiner RM, McKeever C:** Regional migratory osteoporosis. J Can Assoc Radiol 24:70-5, Mar 73
*ANKLE JOINT/ HUMAN/ *JOINT DISEASES, radiography/ *KNEE JOINT/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, radiography/ SYNDROME

3737. **Steinetz B, Giannina T, Butler M:** The role of sulfhydryl groups in three models of inflammatory disease.
J Pharmacol Exp Ther 185:139-49, Apr 73
ANIMAL EXPERIMENTS/ ARTHRITIS, chemically induced/ *ARTHRITIS, drug therapy/ CARRAGEENAN/ CROTON OIL/ CYCLOPHOSPHAMIDE, therapeutic use/ CYSTEINE, therapeutic use/ DEXAMETHASONE, therapeutic use/ DISULFIDES, blood/ EDEMA, chemically induced/ *EDEMA, drug therapy/ ETHYLMALEIMIDE, antagonists & inhibitors/ FREUND'S ADJUVANT/ GLYCOPROTEINS, blood/ GRANULOMA, chemically induced/ *GRANULOMA, drug therapy/ INDOMETHACIN, therapeutic use/ MALE/ PENICILLAMINE, therapeutic use/ RATS/ SULFHYDRYL COMPOUNDS, blood/ *SULFHYDRYL COMPOUNDS, therapeutic use

3738. **Stenborg R:** Cases of recurrent nerve paralysis in Gothenburg from 1968-71.
Acta Otolaryngol (Stockh) 75:364-5, Apr 73
HUMAN/ LARYNGEAL NEOPLASMS, complications/ *LARYNGEAL NERVES/ LUNG NEOPLASMS, complications/ THYROID NEOPLASMS, complications/ VIRUS DISEASES, complications/ *VOCAL CORD PARALYSIS, etiology

3739. **Stephan JK, Hsu JM:** Effect of zinc deficiency and wounding on DNA synthesis in rat skin.
J Nutr 103:548-52, Apr 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ DEFICIENCY DISEASES, drug therapy/ DEFICIENCY DISEASES, metabolism/ *DNA, biosynthesis/ LIVER, metabolism/ MALE/ RATS/ *SKIN, metabolism/ SKIN DISEASES, metabolism/ SPLEEN, metabolism/ TESTIS, metabolism/ THYMIDINE, metabolism/ THYMUS GLAND, metabolism/ TIME FACTORS/ TRITIUM/ *WOUNDS AND INJURIES, metabolism/ *ZINC/ ZINC, physiology/ ZINC, therapeutic use

3740. **Stephan V, Gürtler H, Fiedler G, et al:** Untersuchungen zum Vorkommen, zur Pathogenese und zur Prophylaxe der Weidetetanie des Rindes. 1. Erhebungen zum Vorkommen von Weidetetanie in der Jahren 1964 bis 1969 im Kreis Osterburg-Altmark.
Monatsh Vet Med 27:686-94, 15 Sep 72 (Ger)
CATTLE/ *CATTLE DISEASES, occurrence/ GERMANY, WEST/ TETANY, etiology/ TETANY, occurrence/ TETANY, prevention & control/ *TETANY, veterinary

3741. **Sterkin VE, Morozova GR, Ziakun AM, et al:** Mikrobiologicheskaia transformatsiia gidrokortizona v prednizolon v usloviiakh nepreryvnogo kul'tivirovaniia.
Izv Akad Nauk SSSR [Biol] 2:233-41, Mar-Apr 73 (Rus)
ENGLISH ABSTRACT/ *HYDROCORTISONE, metabolism/ MYCOBACTERIUM, enzymology/ *MYCOBACTERIUM, metabolism/ OXIDOREDUCTASES, metabolism/ *PREDNISOLONE, biosynthesis

3742. **Stern E, Coffelt CF, Youkeles L, et al:** Steroid contraception and dysplasia of the cervix: an interim report. J Reprod Med 10:177-83, Apr 73
*CERVIX DISEASES, chemically induced/ CERVIX NEOPLASMS, chemically induced/ CERVIX UTERI, cytology/ CERVIX UTERI, growth & development/ CERVIX UTERI, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ DEMOGRAPHY/ FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ STATISTICS

3743. **Stern WE:** Meningiomas in the cranio-orbital junction.
J Neurosurg 38:428-37, Apr 73
ADOLESCENCE/ ADULT/ BLINDNESS, etiology/ *BRAIN NEOPLASMS/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, surgery/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MALE/ *MENINGIOMA/ MENINGIOMA, complications/ MENINGIOMA, radiography/ MENINGIOMA, surgery/ OPTIC NERVE/ *ORBITAL NEOPLASMS/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, radiography/ ORBITAL NEOPLASMS, surgery

3744. **Stevens ED:** The evolution of endothermy.
J Theor Biol 38:597-611, Mar 73
AMPHIBIA/ ANIMAL EXPERIMENTS/ APPETITIVE BEHAVIOR/ BIOLOGICAL TRANSPORT, ACTIVE/ *BODY TEMPERATURE REGULATION/ CELL MEMBRANE, metabolism/ COLD/ *EVOLUTION/ FEEDBACK/ FISHES/ GILLS, physiology/ MAMMALS/ METABOLISM/ *MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ REPTILES/ SODIUM, metabolism/ THYROXINE, physiology

3745. **Stevens LC:** A new inbred subline of mice (129-terSv) with a high incidence of spontaneous congenital testicular teratomas.
J Natl Cancer Inst 50:235-42, Jan 73
ALLELES/ ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FEMALE/ MALE/ MICE/ *MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ MUTATION/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, familial & genetic/ NEOPLASMS, EXPERIMENTAL, pathology/ OVARY, transplantation/ *TERATOID TUMOR, familial & genetic/ TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, familial & genetic/ TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology/ TRANSPLANTATION, HOMOLOGOUS

3746. **Stillman MA, Baer RL:** Mucocutaneous candidiasis and thymoma. JAMA 224:628-9, 30 Apr 73
HUMAN/ IMMUNITY, CELLULAR/ T-LYMPHOCYTES, immunology/ *MONILIASIS, CUTANEOUS, immunology/ *THYMOMA, immunology/ *THYMUS NEOPLASMS, immunology

3747. **Stimmler L, Snodgrass GJ, Jaffe E:** Dental defects associated with neonatal symptomatic hypocalcaemia.
Arch Dis Child 48:217-20, Mar 73
CHILD, PRESCHOOL/ CONVULSIONS, complications/ CUSPID/ DENTAL CARIES, complications/ DENTAL ENAMEL HYPOPLASIA, complications/ DENTAL ENAMEL HYPOPLASIA, etiology/

FOLLOW-UP STUDIES/ HUMAN/ *HYPOCALCEMIA, complications/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, congenital/ INFANT/ *INFANT, NEWBORN, DISEASES, complications/ MILK, adverse effects/ MOLAR/ TETANY, complications/ *TOOTH ABNORMALITIES, etiology

3748. **Stjärne L:** Kinetics of secretion of sympathetic neurotransmitter as a function of external calcium: mechanism of inhibitory effect of prostaglandin E.
Acta Physiol Scand 87:428-30, Mar 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, pharmacodynamics/ *CALCIUM, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEEDBACK/ GUINEA PIGS/ KINETICS/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, secretion/ NORMETANEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TRITIUM/ VAS DEFERENS, innervation

3749. **Stjärne L:** Dual alpha-adrenoceptor mediated control of secretion of sympathetic neurotransmitter: one mechanism dependent and one independent of prostaglandin E. Prostaglandins 3:111-6, Jan 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GUINEA PIGS/ IN VITRO/ NOREPINEPHRINE, secretion/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, secretion/ RECEPTORS, ADRENERGIC/ SPECIAL LIST REPRODUCTION/ TRITIUM/ VAS DEFERENS, drug effects/ VAS DEFERENS, secretion

3750. **Stjärne L:** Inhibitory effect of prostaglandin E2 on noradrenaline secretion from sympathetic nerves as a function of external calcium.
Prostaglandins 3:105-9, Jan 73
ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ DESIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ GUINEA PIGS/ IN VITRO/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, secretion/ NORMETANEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TRITIUM/ VAS DEFERENS, drug effects/ VAS DEFERENS, secretion

3751. **Stjärne L:** Alpha-adrenoceptor mediated feed-back control of sympathetic neurotransmitter secretion in guinea-pig vas deferens.
Nature [New Biol] 241:190-1, 7 Feb 73
ANIMAL EXPERIMENTS/ DESIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEEDBACK/ GUINEA PIGS/ IN VITRO/ MALE/ METHOXAMINE, pharmacodynamics/ *NOREPINEPHRINE, secretion/ NORMETANEPHRINE, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ TRITIUM/ VAS DEFERENS, drug effects/ VAS DEFERENS, metabolism/ *VAS DEFERENS, secretion

3752. **Stober B:** Die Bedeutung des Magnesium-Stoffwechsels für die Pädiatrie. 1. Funktion des Magnesiums, Physiologie des Mg-Stoffwechsels.
Fortschr Med 91:51-4, 18 Jan 73 (Ger)
BLOOD PROTEINS, metabolism/ BONE AND BONES, analysis/ CALCIUM, metabolism/ CHILD/ HUMAN/ MAGNESIUM, analysis/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, physiology/ MAGNESIUM, urine/ MUSCLES, analysis/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism

3753. **Stock AD, Burnham DB, Hsu TC:** Giemsa banding of meiotic chromosomes with description of a procedure for cytological preparations from solid tissues.
Cytogenetics 11:534-9, 1972
ACETIC ACIDS/ ANIMAL EXPERIMENTS/ *CHROMOSOMES/ *KARYOTYPING/ MALE/ *MEIOSIS/ METHODS/ MICE/ SPERMATOZOA, cytology/ STAINS AND STAINING/ TEMPERATURE/ TESTIS, cytology

3754. **Stoddart RW, Kernan JA:** Aprotinin, a carbohydrate-binding protein.
Histochemie 34:275-80, 26 Mar 73
CARRIER PROTEINS/ CHYMOTRYPSIN, antagonists & inhibitors/ CYANOGEN BROMIDE/ DNA/ FLUORESCEINS/ GEL FILTRATION/ GLYCOPROTEINS/ ISOELECTRIC FOCUSING/ *KALLIKREIN-TRYPSIN INACTIVATOR/ MUCOPOLYSACCHARIDES/ POLYSACCHARIDES/ PROTEIN BINDING/ RNA/ THIOCYANATES

3755. **Stoeckart R:** Release of neurohormones and neurotransmitters in the median eminence of the rat.
Acta Morphol Neerl Scand 10:386, Dec 72
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, secretion/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ NEUROSECRETORY SYSTEMS, cytology/ *PITUITARY HORMONES, secretion/ RATS/ SYNAPTIC VESICLES, secretion

3756. **Stögmann W:** Untersuchungen zur Pathogenese des Pseudohypoparathyreoidismus.
Klin Paediatr 185:146-54, Mar 73 (Ger)
ADOLESCENCE/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HAND, radiography/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ PARATHYROID HORMONE, blood/ PSEUDOHYPOPARATHYROIDISM, blood/ PSEUDOHYPOPARATHYROIDISM, complications/ PSEUDOHYPOPARATHYROIDISM, drug therapy/ *PSEUDOHYPOPARATHYROIDISM, etiology/ PSEUDOHYPOPARATHYROIDISM, radiography/ SKULL, radiography/ VITAMIN D, therapeutic use

3757. **Stojan B, Müller W, Wurm K, et al:** Die Kollagenpeptidase als Mass des Kollagenumsatzes bei Sarkoidose.
Schweiz Med Wochenschr 103:337-41, 3 Mar 73 (Ger)
ACID PHOSPHATASE, blood/ *CLOSTRIDIOPEPTIDASE A, blood/ *COLLAGEN, metabolism/ ENGLISH ABSTRACT/ HUMAN/ LACTATE DEHYDROGENASE, blood/ PREDNISOLONE, therapeutic use/ SARCOIDOSIS, blood/ SARCOIDOSIS, drug therapy/ *SARCOIDOSIS, enzymology

3758. **Stolk JM, Hanlon DP:** Inhibition of brain dopamine-β-hydroxylase activity by methimazole.
Life Sci [II] 12:417-23, 8 May 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ MALE/ *METHIMAZOLE, pharmacodynamics/ RATS/ TRITIUM

3759. **Stoll P:** Ziele der Arbeitsgemeinschaft Gynäko-Pathologie.
Fortschr Med 91:434, 12 Apr 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ *UTERUS, drug effects

3760. **Stone TW:** Noradrenaline artefacts.
Nature [New Biol] 242:244-5, 25 Apr 73
ANIMAL EXPERIMENTS/ CATS/ *CEREBROVASCULAR CIRCULATION, drug

effects/ ISOPROTERENOL, pharmacodynamics/ MESCALINE, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics

3761. **Stoner HB, Heath DF:** The effects of trauma on carhohydrate metaholism.
Br J Anaesth 45:244-51, Mar 73 (74 ref.)
ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ *CARBOHYDRATES, metabolism/ CARBON ISOTOPES/ GLUCONEOGENESIS/ GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ GLYCOGEN, metabolism/ HUMAN/ HYPERGLYCEMIA, complications/ INSULIN, secretion/ INSULIN RESISTANCE/ LIVER, metaholism/ MYOCARDIUM, metaholism/ REVIEW/ *WOUNDS AND INJURIES, metaholism

3762. **Stool SE, Caruso VG:** Cranial metaphyseal dysplasia. Otolaryngologic aspects.
Arch Otolaryngol 97:410-2, May 73
ADULT/ AUTOSOME ABNORMALITIES, familial & genetic/ BONE AND BONES, ahnormalities/ BONE DISEASES, DEVELOPMENTAL, complications/ *BONE DISEASES, DEVELOPMENTAL, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, radiography/ BONE DISEASES, DEVELOPMENTAL, surgery/ *FACIAL PARALYSIS, etiology/ FACIAL PARALYSIS, surgery/ FEMALE/ *HEARING DISORDERS, etiology/ HEARING DISORDERS, surgery/ HUMAN/ INFANT/ MALE/ OSTEOPOROSIS, familial & genetic/ *SKULL, abnormalities

3763. **Storb R, Bryant JI, Buckner CD, et al:** Allogeneic marrow grafting for acute lymphohlastic leukemia: leukemic relapse. Transplant Proc 5:923-6, Mar 73
ADOLESCENCE/ ADULT/ *BONE MARROW CELLS, transplantation/ CELL TRANSFORMATION, NEOPLASTIC/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ KARYOTYPING/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ MALE/ RECURRENCE/ SEX CHROMOSOMES/ TRANSPLANTATION, HOMOLOGOUS

3764. **Stowe SM:** Hypophysectomy for diabetic retinopathy.
Am J Nurs 73:632-7, Apr 73
ADULT/ *DIABETIC RETINOPATHY, surgery/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ POSTOPERATIVE CARE/ PREOPERATIVE CARE

3765. **Strachan CJ:** Intrapelvic dermoid cysts in adolescent girls presenting with urinary retention. A report of 2 cases. Br J Surg 60:287-8, Apr 73
ADOLESCENCE/ CYSTOSCOPY/ DERMOID CYST, complications/ *DERMOID CYST, surgery/ FEMALE/ HUMAN/ OVARIAN CYSTS, surgery/ PELVIC NEOPLASMS, complications/ *PELVIC NEOPLASMS, surgery/ SACROCOCCYGEAL REGION, surgery/ ULTRASONICS/ *URINATION DISORDERS, etiology/ UROGRAPHY

3766. **Strade HA:** To the editors: corticosteroids and heparin.
J Reprod Med 10:11, Jan 73
*GLUCOCORTICOIDS, standards/ GLUCOCORTICOIDS, toxicity/ *HEPARIN, standards/ HEPARIN, toxicity/ HUMAN/ LUNG DISEASES, drug therapy/ PULMONARY EDEMA, drug therapy/ SHOCK, complications/ SHOCK, drug therapy

3767. **Strahlberg M, Brown JS:** Concomitant bilateral epidermoid cysts of the testes. J Urol 109:434-5, Mar 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/ *EPIDERMAL CYST, diagnosis/ EPIDERMAL CYST, surgery/ HUMAN/ MALE/ *TESTICULAR DISEASES, diagnosis/ TESTICULAR DISEASES, surgery/ *TESTICULAR NEOPLASMS, diagnosis

3768. **Strand A:** Hypothalamo-hypofysaert hetinget amenoré og infertilitet.
Tidsskr Nor Laegeforen 92:2184-8, 20 Nov 72 (Nor)
ABORTION/ *AMENORRHEA, drug therapy/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ *GONADOTROPINS, CHORIONIC, therapeutic use/ *GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *MENOTROPINS, therapeutic use/ OVARIAN DISEASES, drug therapy/ PREGNANCY/ PREGNANCY, MULTIPLE/ *STERILITY, FEMALE, drug therapy

3769. **Strauer BE:** Kriterien zur Beurteilung der Myokardcontracilität am normalen herzmuskel.
Klin Wochenschr 51:295-306, 1 Apr 73 (137 ref.) (Ger)
ACTIN, physiology/ ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATASE, physiology/ ADENOSINE TRIPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CALCIUM, physiology/ CARDIAC GLYCOSIDES/ CATS/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ GLUCAGON, physiology/ GUINEA PIGS/ *HEART, physiology/ HEART, physiopathology/ HEART CONDUCTION SYSTEM/ HEART FUNCTION TESTS/ HEMODYNAMICS/ HYPERTHYROIDISM, physiopathology/ ISOPROTERENOL, physiology/ MAGNESIUM, physiology/ *MUSCLE CONTRACTION/ MUSCLE PROTEINS, physiology/ MYOSIN, physiology/ NOREPINEPHRINE/ RABBITS/ REVIEW/ TROPOMYOSIN, physiology

3770. **Stray-Pedersen B:** Minipillen.
Tidsskr Nor Laegeforen 93:316-8, 20 Feh 73 (Nor)
*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *NORETHINDRONE/ NORETHINDRONE, adverse effects/ UTERINE HEMORRHAGE, chemically induced

3771. **Strazhevskaia NB, Struchkov VA:** Rol' gormonov nadpochechnikov v pervichnom radiatsionnom porazhenii nadmolekuliarnof DNK tkanef krys.
Radiohiologiia 12:644-8, Sep-Oct 72 (Rus)
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DNA, radiation effects/ ENGLISH ABSTRACT/ LIVER, drug effects/ *LIVER, radiation effects/ MALE/ *RADIATION EFFECTS/ RATS/ THYMUS GLAND, drug effects/ *THYMUS GLAND, radiation effects

3772. **Streffer C, Flügel M:** Inhibitors of monoamine oxidase and the radioprotective effect of 5-hydroxytryptamine.
Int J Radiat Biol 23:205-15, Mar 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INTESTINE, SMALL, enzymology/ IPRONIAZID, therapeutic use/ LIVER, enzymology/ MICE/ MONOAMINE OXIDASE, metabolism/ *MONOAMINE OXIDASE INHIBITORS, therapeutic use/ *RADIATION INJURIES, EXPERIMENTAL, prevention & control/ *RADIATION-PROTECTIVE AGENTS, therapeutic use/ *SEROTONIN, therapeutic use/ TIME FACTORS/ TRANYLCYPROMINE, therapeutic use

3773. **Stremple JF, Mori H, Lev R, et al:** The stress ulcer syndrome. Curr Prohl Surg 1-64, Apr 73
BIOLOGICAL TRANSPORT/ GASTRECTOMY/ GASTRIC ACIDITY DETERMINATION/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, pathology/ GASTRIC MUCOSA, secretion/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HEMORRHAGE, GASTROINTESTINAL, mortality/ HORMONES, secretion/ HUMAN/ MALE/ STOMACH, pathology/ *STOMACH ULCER, etiology/ STOMACH ULCER, pathology/ STOMACH ULCER, surgery/ *STRESS, complications/ VAGOTOMY

3774. **Strickland RG, Fisher JM, Lewin K, et al:** The response to prednisolone in atrophic gastritis: a possible effect on non-intrinsic factor-mediated vitamin B 12 absorption. Gut 14:13-9, Jan 73
ANEMIA, PERNICIOUS, drug therapy/ ANEMIA, PERNICIOUS, metaholism/ ANEMIA, PERNICIOUS, pathology/ ANTIBODIES, analysis/ BINDING SITES/ COBALT ISOTOPES/ COMPLEMENT FIXATION TESTS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GASTRIC JUICE, immunology/ GASTRIC MUCOSA, secretion/ *GASTRITIS, drug therapy/ GASTRITIS, metabolism/ GASTRITIS, pathology/ HUMAN/ *INTESTINAL ABSORPTION/ INTRINSIC FACTOR, secretion/ MALE/ *PREDNISOLONE, therapeutic use/ STOMACH, pathology/ *VITAMIN B 12, metaholism

3775. **Strober W, Mogielnicki RP, Waldmann TA:** The role of the kidney in the metabolism of serum proteins. Ciba Found Symp 9:25-45, 1972
BLOOD PROTEINS, metabolism/ CREATININE, urine/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FANCONI SYNDROME, urine/ GLOMERULAR FILTRATION RATE/ HUMAN/ *IGG, metabolism/ *IMMUNOGLOBULIN FRAGMENTS, metabolism/ *KIDNEY, metabolism/ *KIDNEY DISEASES, metabolism/ KIDNEY DISEASES, urine/ KIDNEY FAILURE, ACUTE, metabolism/ KIDNEY FAILURE, ACUTE, urine/ KIDNEY GLOMERULUS/ NEPHRONS/ NEPHRONS, physiology/ NEPHROTIC SYNDROME, metabolism/ PROTEINURIA, metabolism/ PROTEINURIA, urine/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, metabolism/ SODIUM DODECYL SULFATE/ UREMIA, metabolism/ UREMIA, urine

3776. **Stroobandt G, Cornélis G, Dechef G, et al:** Aspects circulatoires particuliers des fistules carotido-caverneuses.
Neurochirurgie 18:333-46, Jul-Aug 72 (Fre)
ADULT/ *ARTERIOVENOUS FISTULA/ ARTERIOVENOUS FISTULA, etiology/ ARTERIOVENOUS FISTULA, radiography/ ARTERIOVENOUS FISTULA, surgery/ *CAROTID ARTERIES/ CAROTID ARTERIES, radiography/ CAROTID ARTERIES, surgery/ CAROTID ARTERY, EXTERNAL, surgery/ CAROTID ARTERY, INTERNAL/ CAROTID ARTERY THROMBOSIS/ *CAVERNOUS SINUS/ CEREBROVASCULAR CIRCULATION/ CHILD/ CIRCLE OF WILLIS/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MALE/ OCULOMOTOR PARALYSIS, etiology/ OPHTHALMIC ARTERY/ *ORBIT, injuries/ PROGNOSIS

3777. **Strubelt O, Bargfeld D:** Toxikologie der Trinkwasserfluoridierung.
Dtsch Med Wochenschr 98:778-83, 13 Apr 73 (86 ref.) (Ger)
ADOLESCENCE/ ADULT/ BONE DISEASES, chemically induced/ CHILD/ *DENTAL CARIES, prevention & control/ DISEASE RESERVOIRS/ DRUG HYPERSENSITIVITY, etiology/ *FLUORIDATION/ FLUORIDE POISONING, complications/ HUMAN/ HYPOTHYROIDISM, chemically induced/ INFANT, NEWBORN/ MONGOLISM/ MOTTLED ENAMEL, etiology/ POPULATION SURVEILLANCE/ REVIEW/ UNITED STATES/ USSR

3778. **Strunge P:** Familiaer mangel på tyroksinbindende globulin. En genetisk og biokemisk verdering af tre danske slaegter.
Ugeskr Laeger 135:857-61, 7 May 73 (Dan)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DENMARK/ ENGLISH ABSTRACT/ FEMALE/ GENOTYPE/ HUMAN/ MALE/ *METABOLISM, INBORN ERRORS/ MIDDLE AGE/ PEDIGREE/ PROTEIN-BOUND IODINE TEST/ THYROXINE, blood/ *THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood

3779. **Studer RK, Siegel BA, Morgan J, et al:** Dexamethasone therapy of triethyltin induced cerebral edema. Exp Neurol 38:429-37, Mar 73
ANIMAL EXPERIMENTS/ BLOOD-BRAIN BARRIER/ BLOOD CELL COUNT/ BRAIN, metabolism/ BRAIN EDEMA, chemically induced/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, metaholism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ *DEXAMETHASONE, therapeutic use/ DISEASE MODELS, ANIMAL/ ERYTHROCYTES/ FEMALE/ IRON ISOTOPES/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ *ORGANOMETALLIC COMPOUNDS/ ORGANOMETALLIC COMPOUNDS, metabolism/ POTASSIUM, metabolism/ RATS/ SERUM ALBUMIN, RADIO-IODINATED/ SODIUM, metabolism/ SPINAL CORD, metabolism/ TECHNETIUM/ *TIN/ TIN, metabolism

3780. **Stukkeĭ AA, Ignat'ev AS:** Mnozhestvennye adenomy okoloshchitovidnykh zhelez.
Klin Khir 9:82-3, Sep 72 (Rus)
*ADENOMA/ ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ *PARATHYROID NEOPLASMS

3781. **Stumpf WE, Joshi SG, Sar M:** Effects of intrauterine foreign body on the localization of (3 H)-estradiol in rat uterine tissues, polymorphonuclear neutrophiles and eosinophiles.
Proc Soc Exp Biol Med 142:973-6, Mar 73
ANIMAL EXPERIMENTS/ *EOSINOPHILS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ *FOREIGN BODIES, metabolism/ FOREIGN BODIES, pathology/ NEUTROPHILS, metabolism/ RATS/ TRITIUM/ *UTERUS/ UTERUS, metabolism/ UTERUS, pathology

3782. **Stumpfhauser L, Lamb DR:** Glycogen content and glucose uptake in stimulated frog sartorius muscle: effects of prolonged incubation, insulin, and testosterone. Int Z Angew Physiol 31:163-72, 2 Mar 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ EXERTION/ FEMALE/ FROGS/ GLUCOSE, metabolism/ GLYCOGEN, analysis/ GLYCOGEN, biosynthesis/ *INSULIN, pharmacodynamics/ MALE/ MUSCLES, analysis/ *MUSCLES, drug effects/ MUSCLES, metabolism/ RANA PIPIENS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3783. **Subbiah MT:** Dietary plant sterols: current status in human and animal sterol metabolism.
Am J Clin Nutr 26:219-25, Feb 73 (60 ref.)
ANIMAL EXPERIMENTS/ BILE, metabolism/ BILE ACIDS AND SALTS, metabolism/ CARBON ISOTOPES/ CHOLESTEROL, metabolism/ *DIETARY FATS, metabolism/ DOGS/ ERGOSTEROL, metabolism/ GUINEA PIGS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINAL ABSORPTION/ INTESTINES, metabolism/ *PHYTOSTEROLS, metabolism/ PIGEONS/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ REVIEW/ SITOSTEROLS, metabolism/ SOY BEANS/ SPECIES SPECIFICITY/ STEROIDS, metabolism/ STOMACH, metabolism/ TESTIS, metabolism/ TRITIUM

3784. **Suchánek A, Adamec K, Revúsová V:** Röntgenové zmeny na kostiach u pacientov s chronickou insuficienciou obličiek liečených chronickou intermitentnou dialýzou.
Cesk Radiol 27:85-90, Mar 73 (Slo)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ FIBROUS DYSPLASIA OF BONE, etiology/ *FIBROUS DYSPLASIA OF BONE, radiography/ *HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ *OSTEOMALACIA,

radiography/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, radiography

3785. **Sud SC:** Effect of alloxan diabetes on the lactational performance in rats.
Indian J Exp Biol 10:389-90, Sep 72
ALLOXAN DIABETES, drug therapy/ *ALLOXAN DIABETES, physiopathology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ FEMALE/ INSULIN, PROTAMINE ZINC, administration & dosage/ INSULIN, PROTAMINE ZINC, pharmacodynamics/ *INSULIN, PROTAMINE ZINC, therapeutic use/ *LACTATION, drug effects/ PREGNANCY/ RATS

3786. **Sud SC:** Effect of insulin on hypophyseal prolactin & hypothalamic prolactin-inhibiting factor in rat.
Indian J Exp Biol 10:360-1, Sep 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *HYPOTHALAMUS, analysis/ HYPOTHALAMUS, drug effects/ *INSULIN, PROTAMINE ZINC, pharmacodynamics/ PIGEONS/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ *PROLACTIN, analysis/ RATS

3787. **Sud SC:** Induction of lactation in intact and ovariectomized heifers with 9-fluoroprednisolone acetate (Predef). Indian J Exp Biol 10:265-7, Jul 72
ANIMAL EXPERIMENTS/ CASTRATION/ CATTLE/ ESTRADIOL, administration & dosage/ FEMALE/ *FLUDROCORTISONE/ FLUORINE, pharmacodynamics/ *LACTATION, drug effects/ *OVARY, physiology/ PREGNANCY/ PROGESTERONE, administration & dosage/ STIMULATION, CHEMICAL

3788. **Sud SC, Sar M:** Hypothalamic follicle-stimulating-hormone-releasing factor content in the female rat before and after puberty.
Indian J Exp Biol 10:262-4, Jul 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEMALE/ *FSH, secretion/ *HYPOTHALAMUS, analysis/ *PITUITARY HORMONE RELEASING FACTORS, analysis/ PUBERTY/ RATS/ VAGINA, growth & development

3789. **Sugar A, Benson W, Burde RM, et al:** Alternate-day versus daily systemic corticosteroids in corneal homograft rejection.
Am J Ophthalmol 75:486-9, Mar 73
ACETATES/ ANIMAL EXPERIMENTS/ *CORNEA, transplantation/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GRAFT REJECTION, drug effects/ INJECTIONS, INTRAMUSCULAR/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ RABBITS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS

3790. **Sugimoto M, Tamura S, Kurata T, et al:** Effects of hydrocortisone on the in vitro primary immune response of mouse spleen cells to sheep erythrocytes.
Jap J Med Sci Biol 25:345-53, Oct 72
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS, drug effects/ CELL COUNT/ CELLS, CULTURED/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, immunology/ HEMOLYTIC PLAQUE TECHNIC/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ IMMUNE ADHERENCE REACTION/ MICE/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SHEEP, immunology/ SPLEEN, cytology/ *SPLEEN, immunology/ TIME FACTORS

3791. **Sugiura K, Schmid FA, Schmid MM, et al:** Effect of compounds on a spectrum of rat tumors.
Cancer Chemother Rep [Suppl] 3:231-308, Nov 72
ADRENAL GLAND NEOPLASMS, drug therapy/ ALKYLATING AGENTS, therapeutic use/ AMIDES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARCINOMA, drug therapy/ CARCINOMA 256, WALKER, drug therapy/ FIBROSARCOMA, drug therapy/ FOLIC ACID, therapeutic use/ HEPATOMA, drug therapy/ KIDNEY NEOPLASMS, drug therapy/ LYMPHOSARCOMA, drug therapy/ *NEOPLASMS, EXPERIMENTAL, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ PURINES, therapeutic use/ PYRIMIDINES, therapeutic use/ QUINOLINES, therapeutic use/ RATS/ SARCOMA, drug therapy/ SARCOMA, YOSHIDA, drug therapy/ STEROIDS, therapeutic use

3792. **Suko J:** The calcium pump of cardiac sarcoplasmic reticulum. Functional alterations at different levels of thyroid state in rabbits.
J Physiol (Lond) 228:563-82, Feb 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ FEMALE/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, metabolism/ IN VITRO/ IODINE ISOTOPES/ KINETICS/ MAGNESIUM/ MALE/ MYOCARDIUM, metabolism/ *MYOCARDIUM, metabolism/ OXALATES/ POTASSIUM CHLORIDE/ RABBITS/ SARCOPLASMIC RETICULUM, enzymology/ SARCOPLASMIC RETICULUM, metabolism/ *THYROID DISEASES, metabolism/ THYROXINE, therapeutic use

3793. **Sulaiman WR, Johnson RH:** Effect of fenfluramine on human growth hormone release.
Br Med J 2:329-32, 12 May 73
ACROMEGALY, drug therapy/ ADULT/ AGED/ BLOOD SUGAR/ *EXERTION/ FEMALE/ *FENFLURAMINE, pharmacodynamics/ FENFLURAMINE, therapeutic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ KETONE BODIES, blood/ LACTATES, blood/ MALE/ MIDDLE AGE/ PYRUVATES, blood/ SECRETORY RATE, drug effects/ *SOMATOTROPIN, secretion

3794. **Sullivan AL, Weintraub LR:** Sideroblastic anemias. An approach to diagnosis and management.
Med Clin North Am 57:335-42, Mar 73 (40 ref.)
ALCOHOLISM, complications/ ANEMIA, SIDEROBLASTIC, blood/ ANEMIA, SIDEROBLASTIC, chemically induced/ *ANEMIA, SIDEROBLASTIC, diagnosis/ ANEMIA, SIDEROBLASTIC, drug therapy/ ANEMIA, SIDEROBLASTIC, etiology/ ANEMIA, SIDEROBLASTIC, familial & genetic/ ANEMIA, SIDEROBLASTIC, pathology/ ERYTHROCYTES, ABNORMAL/ FEMALE/ FOLIC ACID DEFICIENCY, complications/ GENES/ HEME, biosynthesis/ HUMAN/ IRON, blood/ ISONIAZID, adverse effects/ LEAD POISONING, complications/ MALE/ PYRIDOXINE, metabolism/ PYRIDOXINE, therapeutic use/ REVIEW/ SEX CHROMOSOMES/ THALASSEMIA, metabolism/ TRANSFERRIN, physiology

3795. **Sullivan JJ, Parker WG, Larson LL:** Duration of estrus and ovulation time in nonlactating mares given human chorionic gondotropin during three successive estrous periods.
J Am Vet Med Assoc 162:895-8, 15 May 73
ANIMAL EXPERIMENTS/ BREEDING/ *ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORSES/ INSEMINATION, ARTIFICIAL, veterinary/ *OVULATION, drug effects

3796. **Sullivan JN, Strott CA:** Evidence for an androgen-independent mechanism regulating the levels of receptor in target tissue.
J Biol Chem 248:3202-8, 10 May 73

ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, analysis/ DNA, analysis/ EPIDIDYMIS, physiology/ HYPOPHYSECTOMY/ MALE/ ORGAN SPECIFICITY/ PITUITARY GLAND, physiology/ PROSTATE, analysis/ PROSTATE, cytology/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ STANOLONE, metabolism/ TESTIS, physiology/ TIME FACTORS/ TRITIUM

3797. **Sulmoni A, Schölzel E:** Tödliche Nebennierenblutungen bei Antikoagulantientherapie.
Urologie [A] 12:71-3, Mar 73 **(Ger)**
*ACENOCOUMAROL, adverse effects/ *ADRENAL GLAND DISEASES, chemically induced/ ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, mortality/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLANDS, pathology/ AGED/ BLOOD COAGULATION TESTS/ ENGLISH ABSTRACT/ *HEMORRHAGE, chemically induced/ HEMORRHAGE, complications/ HEMORRHAGE, diagnosis/ HEMORRHAGE, mortality/ HUMAN/ MALE

3798. **Sundberg DK, Krulich L, Fawcett CP, et al:** The effect of colchicine on the release of rat anterior pituitary hormones in vitro.
Proc Soc Exp Biol Med 142:1097-100, Apr 73
ANIMAL EXPERIMENTS/ *COLCHICINE, pharmacodynamics/ *FSH, secretion/ HYPOTHALAMUS/ *LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ POTASSIUM, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects/ SHEEP/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ *THYROTROPIN, secretion/ TISSUE EXTRACTS, pharmacodynamics

3799. **Sundqvist KG:** Redistribution of surface antigens--a general property of animal cells?
Nature [New Biol] 239:147-9, 4 Oct 72
ABO FACTORS, analysis/ *ANTIGENS, analysis/ BINDING SITES, ANTIBODY/ CELL LINE/ *CELL MEMBRANE, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HELA CELLS/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HUMAN/ KIDNEY/ L CELLS/ LYMPHOCYTES, immunology/ MACACA/ MICE/ MICE, INBRED C3H/ MONKEYS/ RABBITS, immunology/ STAINS AND STAINING/ THYROID GLAND

3800. **Sung FC, Chen KP, Chen CY, et al:** Studies of the effect of salt iodization on endemic goiter in Taiwan. IV. A survey of drinking-water in relation to endemic goiter. J Formosan Med Assoc 72:96-103, Feb 73
FEMALE/ *GOITER, ENDEMIC, etiology/ GOITER, ENDEMIC, occurrence/ HUMAN/ MALE/ TAIWAN/ *WATER, analysis/ *WATER SUPPLY

3801. **Surks MI, Schadlow AR, Stock JM, et al:** Determination of iodothyronine absorption and conversion of L-thyroxine (T 4) to L-triiodothyronine (T 3) using turnover rate techniques.
J Clin Invest 52:805-11, Apr 73
ABSORPTION/ HUMAN/ *HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ KINETICS/ METABOLIC CLEARANCE RATE/ METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ THYROXINE, metabolism/ *TRIIODOTHYRONINE, blood

3802. **Survillo ON, Pavel'eva NI, Galushkin IP:** Slizistaia obolochka tonkof kishki v raziichnykb fazakb techenila nespetsificbeskogo lazvennogo kolita.
Arkh Patol 34:42-6, 1972 **(Rus)**
CHROMAFFIN SYSTEM, pathology/ CHRONIC DISEASE/ *COLITIS, ULCERATIVE, pathology/ ENGLISH ABSTRACT/ HUMAN/ INTESTINAL MUCOSA, metabolism/ *INTESTINAL MUCOSA, pathology/ INTESTINE, SMALL, pathology/ MITOSIS/ MUCOPOLYSACCHARIDES, metabolism/ RECURRENCE/ REMISSION/ SULFHYDRYL COMPOUNDS, metabolism/ TRYPTOPHAN, metabolism

3803. **Susac JO, Garcia-Mullin R, Glaser JS:** Ophthalmoplegia in dermatomyositis.
Neurology (Minneap) 23:305-10, Mar 73
ALDOLASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ CASE REPORT/ CREATINE KINASE, metabolism/ *DERMATOMYOSITIS, complications/ DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, enzymology/ DERMATOMYOSITIS, pathology/ DERMATOMYOSITIS, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ EDROPHONIUM CHLORIDE/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ LACTATE DEHYDROGENASE, metabolism/ MIDDLE AGE/ MUSCLES, enzymology/ MUSCLES, pathology/ MUSCLES, physiopathology/ MYASTHENIA GRAVIS, diagnosis/ *OCULOMOTOR PARALYSIS, etiology/ PREDNISONE, therapeutic use

3804. **Susten AS, Mennear JH, Miya TS:** Effect of chlorpromazine on glucose and tolbutamide-stimulated insulin release in the adrenalectomized rat.
Toxicol Appl Pharmacol 24:364-70, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTIGENS, analysis/ BLOOD SUGAR, analysis/ *CHLORPROMAZINE, pharmacodynamics/ DRUG INTERACTIONS/ *GLUCOSE, pharmacodynamics/ HYPOGLYCEMIA, chemically induced/ INSULIN, blood/ *INSULIN, secretion/ INSULIN ANTIBODIES, analysis/ IODINE ISOTOPES/ MALE/ RATS/ TIME FACTORS/ TOLBUTAMIDE/ *TOLBUTAMIDE, pharmacodynamics

3805. **Sutkovoi DA:** Vpiyv tryvalobo vvedennia hidrokortyzonu na vmist rybozy ta purynovykh rybonukleotydiv v orbanakb ta tkanynakh bilykh sbchuriv. Fiziol Zh 19:240-4, Mar-Apr 73 **(Ukr)**
ANIMAL EXPERIMENTS/ HYDROCORTISONE, pharmacodynamics/ PURINES, analysis/ RATS/ *RIBONUCLEOTIDES, analysis/ *RIBOSE, analysis/ TIME FACTORS

3806. **Sutton A, Baritrop D:** Absorption, accretion and endogenous faecal excretion of calcium by the newborn infant. Nature 242:265, 23 Mar 73
BODY WEIGHT/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM ISOTOPES/ FECES, analysis/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ MALE

3807. **Sutton I, Isaac PF:** The cardiovascular actions of nicotine in the rat.
Arch Int Pharmacodyn Ther 202:5-16, Mar 73
ADRENAL GLANDS, drug effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CHORDOTOMY/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ FEMALE/ GANGLIA, AUTONOMIC, drug effects/ *HEART RATE, drug effects/ MALE/ NICOTINE, administration & dosage/ *NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ SMOKING/ URETHANE, pharmacodynamics/ VAGOTOMY

3808. **Sutton JR, Coleman MJ, Casey J, et al:** Androgen responses during physical exercise.
Br Med J 1:520-2, 3 Mar 73
ADOLESCENCE/ ADULT/ *ANDROGENS, blood/ BLOOD SUGAR/ *EXERTION/

FEMALE/ HUMAN/ HYDROCORTISONE, blood/ LH, blood/ MALE/ SOMATOTROPIN, blood/ *SPORT MEDICINE/ SWIMMING

3809. **Suzuki T, Ikeda H, Narita S, et al:** Adrenal cortical secretion in response to nicotine in conscious and anaesthetized dogs. Q J Exp Physiol 58:139-42, Apr 73
*ADRENAL GLANDS, secretion/ ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ DOGS/ *17-HYDROXYCORTICOSTEROIDS, secretion/ HYPOPHYSECTOMY/ *NICOTINE, pharmacodynamics/ PENTOBARBITAL/ PITUITARY-ADRENAL SYSTEM/ STIMULATION, CHEMICAL

3810. **Svehag SE, Olander R, Sundqvist KG:** Occurrence and cross-reactivity of heterophile antibodies and anti-kidney antibodies in kidney transplanted patients and patients with renal disease.
Clin Exp Immunol 13:191-202, Feb 73
*ANTIBODIES/ *ANTIBODIES, HETEROTYPIC/ ANTIBODY FORMATION/ ANTIGENS, BACTERIAL/ *CROSS REACTIONS/ ERYTHROCYTES, immunology/ FEMALE/ *GRAFT REJECTION/ GRAM NEGATIVE BACTERIA, immunology/ HEMADSORPTION/ HEMAGGLUTINATION TESTS/ HUMAN/ IGG/ IGM/ IMMUNOSUPPRESSION/ ISOANTIGENS/ KIDNEY, immunology/ *KIDNEY, transplantation/ *KIDNEY DISEASES, immunology/ MACACA, immunology/ MALE/ NEPHRITIS, immunology/ RATS, immunology/ THYROID GLAND, immunology/ TRANSPLANTATION, HOMOLOGOUS

3811. **Swallow DM, Harris H:** A new variant of the placental acid phosphatases: its implications regarding their subunit structures and genetical determination.
Ann Hum Genet 36:141-52, Nov 72
*ACID PHOSPHATASE, analysis/ ALLELES/ BRAIN, enzymology/ ELECTROPHORESIS/ FEMALE/ GEL FILTRATION/ *GENETICS, BIOCHEMICAL/ HEART, enzymology/ HEAT/ HETEROZYGOTE/ HUMAN/ ISOENZYMES, analysis/ KIDNEY, enzymology/ LEUKOCYTES, enzymology/ LIVER, enzymology/ MOLECULAR WEIGHT/ MYOCARDIUM, enzymology/ NAPHTHALENES/ PHENOTYPE/ PHOSPHATES/ *PLACENTA, enzymology/ PREGNANCY/ SPLEEN, enzymology/ TISSUE EXTRACTS, analysis

3812. **Sward J:** Zachowanie się niektórych składników łożyska ludzkiego w ciąży przenoszonej.
Wiad Lek 26:673-7, 1 Apr 73 (Pol)
FEMALE/ HEXOSAMINES, analysis/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PLACENTA/ PLACENTA, analysis/ PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY, PROLONGED

3813. **Swarm RL, Roberts GK, Levy AC, et al:** Observations on the thyroid gland in rats following the administration of sulfamethoxazole and trimethoprim.
Toxicol Appl Pharmacol 24:351-63, Mar 73
ANIMAL EXPERIMENTS/ ANTI-INFECTIVE AGENTS, pharmacodynamics/ APPETITE, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ *FOLIC ACID ANTAGONISTS, pharmacodynamics/ MACACA/ MALE/ MONKEYS/ ORGAN WEIGHT/ *PYRIMIDINES, pharmacodynamics/ RATS/ SULFAMETHOXAZOLE, administration & dosage/ *SULFAMETHOXAZOLE, pharmacodynamics/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects/ THYROTROPIN, physiology/ TIME FACTORS/ TRIMETHOPRIM, administration & dosage/ TRIMETHOPRIM, adverse effects/ TRIMETHOPRIM, pharmacodynamics

3814. **Sweat ML, Young RB:** Low magnitude transformation of estradiol to estrone in human endometrium.
Biochim Biophys Acta 296:189-95, 19 Jan 73
ADULT/ ANIMAL EXPERIMENTS/ COLD/ DRUG STABILITY/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, enzymology/ ENDOMETRIUM, metabolism/ ESTRADIOL/ *ESTRADIOL, metabolism/ *ESTRONE, biosynthesis/ FEMALE/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASE, metabolism/ HYSTERECTOMY/ MENSTRUATION/ MICE/ MIDDLE AGE/ MUSCLES, metabolism/ NAD, pharmacodynamics/ NADP, pharmacodynamics/ PLACENTA, enzymology/ PREGNANCY/ RECEPTORS, HORMONE/ TRITIUM

3815. **Swislocki NI, Tierney J:** Solubilization, stabilization, and partial purification of brain adenylate cyclase from rat. Biochemistry 12:1862-6, 8 May 73
*ADENYL CYCLASE/ ADENYL CYCLASE, isolation & purification/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, enzymology/ CALCIUM CHLORIDE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DETERGENTS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ FLUORIDES/ GEL FILTRATION/ LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ MAGNESIUM SULFATE/ MEMBRANES, enzymology/ MOLECULAR WEIGHT/ MYOCARDIUM, enzymology/ RATS/ SODIUM DODECYL SULFATE/ SOLUBILITY/ ULTRACENTRIFUGATION/ ULTRAFILTRATION

3816. **Swolin K:** A cortisona e a cirurgía da fertilidade feminina.
Acta Obstet Ginecol Hisp Lusit 20:281-3, Nov 72 (Spa)
DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAPERITONEAL/ POSTOPERATIVE COMPLICATIONS, drug therapy/ PREGNANCY/ *STERILITY, FEMALE, surgery/ TABLETS

3817. **Sworn MJ, Preston FE, McGinty F:** Disseminated intravascular coagulation with thymoma-associated Cushing's syndrome. Br Med J 2:343-4, 12 May 73
ACNE, etiology/ ADRENAL GLANDS, pathology/ ADULT/ AMENORRHEA, etiology/ BLOOD SUGAR/ *CUSHING'S SYNDROME, complications/ *DISSEMINATED INTRAVASCULAR COAGULATION, complications/ FEMALE/ FIBRIN, metabolism/ GLYCOSURIA/ HIRSUTISM, etiology/ HUMAN/ KIDNEY GLOMERULUS, pathology/ *THYMOMA, complications/ THYMOMA, pathology/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, pathology

3818. **Symchowicz S, Korduba CA, Veals J:** The effect of amantadine on radiolabeled biogenic amines in the rat brain. Eur J Pharmacol 21:155-60, Feb 73
AMANTADINE, administration & dosage/ *AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOGENIC AMINES, analysis/ *BIOGENIC AMINES, metabolism/ BRAIN, enzymology/ *BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ CORPUS STRIATUM, cytology/ CORPUS STRIATUM, metabolism/ DOPA, metabolism/ DOPAMINE, analysis/ DOPAMINE, metabolism/ INJECTIONS/ IPRONIAZID, pharmacodynamics/ MALE/ MONOAMINE OXIDASE, analysis/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism/ TRITIUM

3819. **Symes MO, Riddell AG:** The use of immunized pig lymph-node cells in the treatment of patients with advanced malignant disease.
Br J Surg 60:176-80, Mar 73
ADENOCARCINOMA, therapy/ ADULT/ AGED/ BLADDER NEOPLASMS, therapy/ BREAST NEOPLASMS, therapy/ CARCINOMA, TRANSITIONAL CELL, therapy/ COLONIC NEOPLASMS, therapy/ FEMALE/ HUMAN/

*IMMUNOTHERAPY/ INJECTIONS, INTRA-ARTERIAL/ *LYMPH NODES, immunology/ MALE/ MELANOMA, therapy/ MIDDLE AGE/ NEOPLASMS, immunology/ *NEOPLASMS, therapy/ OVARIAN NEOPLASMS, therapy/ PANCREATIC NEOPLASMS, therapy/ RECTAL NEOPLASMS, therapy/ SWINE, immunology/ TRANSPLANTATION IMMUNOLOGY

3820. **Symons AM:** Levels of oestrogen and progesterone in the plasma of the cow during the last month of pregnancy. J Endocrinol 56:327-8, Feb 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTROGENS, blood/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PUERPERIUM/ RADIOIMMUNOASSAY

3821. **Szabo AJ, De Lellis R, Grimaldi RD:** Triglyceride synthesis by the human placenta. I. Incorporation of labeled palmitate into placental triglycerides.
Am J Obstet Gynecol 115:257-62, 15 Jan 73
CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLUCOSE, metabolism/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PALMITIC ACID, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ *TRIGLYCERIDES, biosynthesis/ TRITIUM

3822. **Szabo AJ, Grimaldi RD, De Lellis R:** Triglyceride synthesis by the human placenta. II. The effect of cyanide and fluoride on the incorporation of labeled palmitate into placental triglycerides.
Am J Obstet Gynecol 115:263-6, 15 Jan 73
*CYANIDES, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ *FLUORIDES, pharmacodynamics/ GLUCOSE, metabolism/ GLYCEROPHOSPHATES, metabolism/ GLYCOLYSIS/ HUMAN/ MATERNAL-FETAL EXCHANGE/ OXYGEN CONSUMPTION, drug effects/ *PALMITIC ACID, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ *TRIGLYCERIDES, biosynthesis/ TRITIUM

3823. **Szabó J, Jeney A Jr, Darócy A, et al:** Investigation on the mode of action of cytotoxic hexitols V. Pharmaco-biochemical studies with dibromomannitol. Neoplasma 20:13-25, 1973
ANIMAL EXPERIMENTS/ BROMINE, metabolism/ BROMINE, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ ENZYME INDUCTION/ LEUCINE, metabolism/ LIVER, enzymology/ MANNITOL, metabolism/ *MANNITOL, pharmacodynamics/ NEOPLASM TRANSPLANTATION/ NUCLEIC ACIDS, metabolism/ PREDNISOLONE, metabolism/ RADIOISOTOPES/ RATS/ *SARCOMA 180, CROCKER, drug therapy/ SARCOMA 180, CROCKER, metabolism/ *SARCOMA, YOSHIDA, drug therapy/ SARCOMA, YOSHIDA, metabolism/ SPLEEN, metabolism/ TRYPTOPHAN OXYGENASE, metabolism

3824. **Szabo S, Lazar G, Kovacs K:** Prevention of 7,12-dimethylbenz( )anthracene-induced adrenal necrosis by cyproterone acetate.
Experientia 29:185-6, 15 Feb 73
ADRENAL GLAND DISEASES, chemically induced/ ADRENAL GLAND DISEASES, pathology/ *ADRENAL GLAND DISEASES, prevention & control/ *ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CYPROTERONE, pharmacodynamics/ FEMALE/ *NECROSIS, prevention & control/ *PREGNADIENES, pharmacodynamics/ RATS

3825. **Szadkowski M, Miedzińska E:** Choroba Addisona powikłaniem infekcji grypowej (w okresie epidemii 1971 r.
Pol Tyg Lek 28:479-80, 26 Mar 73 (Pol)
ADDISON'S DISEASE, diagnosis/ *ADDISON'S DISEASE, etiology/ DISEASE OUTBREAKS/ ENGLISH ABSTRACT/ HUMAN/ INFLUENZA, complications/ MALE/ MIDDLE AGE/ POTASSIUM, urine/ SODIUM, urine

3826. **Szczepaniak AC, Cottrell GA:** Biphasic action of glutamic acid and synpatic inhibition in an identified serotonin-containing neurone.
Nature [New Biol] 241:62-4, 10 Jan 73
ACETYLCHOLINE, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ *GLUTAMATES, pharmacodynamics/ GLUTARATES, pharmacodynamics/ GLUTATHIONE, pharmacodynamics/ IN VITRO/ *MEMBRANE POTENTIALS, drug effects/ NEURONS, analysis/ *NEURONS, drug effects/ NEURONS, physiology/ *SEROTONIN, analysis/ SNAILS/ *SYNAPSES, drug effects

3827. **Szczepánska-Sadowska E:** Basal forebrain heating and ADH release in dogs. Experientia 29:223-4, 15 Feb 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BODY TEMPERATURE REGULATION/ *DIENCEPHALON, physiology/ DOGS/ *HEAT/ HYPOTHALAMUS, physiology/ RESPIRATION/ *VASOPRESSIN, blood

3828. **Szczepańska-Sadowska E:** Basal forebrain heating and osmotic reactivity of the thirst mechanism in dogs.
Experientia 29:155-6, 15 Feb 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ *DIENCEPHALON, physiology/ DOGS/ HEAT/ HYPOTHALAMUS, physiology/ MALE/ RESPIRATION/ *THIRST/ *WATER-ELECTROLYTE BALANCE

3829. **Szego CM, Seeler BJ:** Hormone-induced activation of target-specific lysosomes: acute translocation to the nucleus after administration of gonadal hormones in vivo. J Endocrinol 56:347-60, Mar 73
ACRIDINES/ AGGLUTINATION/ ANIMAL EXPERIMENTS/ AUTOLYSIS/ BINDING SITES/ CELL MEMBRANE/ CELL NUCLEUS/ CLITORIS, cytology/ *CYTOPLASMIC STREAMING, drug effects/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYDROLASES/ LUNG/ *LYSOSOMES, drug effects/ LYSOSOMES, enzymology/ RATS/ RATS, INBRED STRAINS/ STAINS AND STAINING/ STIMULATION, CHEMICAL/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3830. **Szemesi I, Csépli J, Zubek L, et al:** Aktive Leitung der Nachgeburtsperiode.
Acta Chir Acad Sci Hung 13:243-6, 1972 (Ger)
*DELIVERY/ ENGLISH ABSTRACT/ FEMALE/ *HEMORRHAGE, POSTPARTUM/ HUMAN/ *LABOR/ PLACENTA DISORDERS, prevention & control/ PREGNANCY

3831. **Szepesi K, Nábrády J:** Ein Fall von Homocystinurie mit im Vordergrund stehenden Beschwerden des Bewegungsapparates.
Arch Orthop Unfallchir 75:121-30, 26 Mar 73 (Ger)
BONE DISEASES, etiology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HOMOCYSTINURIA, complications/ *HOMOCYSTINURIA, diagnosis/ HOMOCYSTINURIA, surgery/ HUMAN/ KNEE, abnormalities/ KYPHOSIS, complications/ MOVEMENT DISORDERS, etiology/ OSTEOPOROSIS, complications/ OSTEOTOMY/ PEDIGREE/ SPINAL DISEASES, etiology

3832. **Szijan I, Bibiloni MC, Gomez CJ:** Amino acid incorporation in vitro into proteins of cerebral cortex and anterior pituitary gland of developing normal and hypothyroid rats. Neurobiology 2:31-4, 1972
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CEREBRAL CORTEX, growth & development/ CEREBRAL CORTEX, metabolism/ *HYPOTHYROIDISM, metabolism/ IN VITRO/ *NERVE TISSUE PROTEINS, biosynthesis/ PHENYLALANINE, metabolism/ *PITUITARY GLAND, growth & development/ PITUITARY GLAND, metabolism/ RATS/ TRITIUM/ VALINE, metabolism

3833. **Szontágh FE, Mirhom YW:** Kinetic study of the

metabolism of (4- 14 C) dehydroepiandrosterone by normal early human placental tissue. II. 7-Oxygenated derivatives. Steroids Lipids Res 3:170-7, 1972
ADOLESCENCE/ ANDROSTENES, isolation & purification/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, isolation & purification/ HYDROXYSTEROIDS, metabolism/ ISOMERISM/ 17-KETOSTEROIDS, isolation & purification/ KETOSTEROIDS, isolation & purification/ KETOSTEROIDS, metabolism/ KINETICS/ MODELS, CHEMICAL/ OXIDATION-REDUCTION/ OXIDOREDUCTASES, metabolism/ PLACENTA, enzymology/ *PLACENTA, metabolism/ PREGNANCY/ STEROIDS

3834. **Szpirglas H:** Les grosses parotides (parotidomégalies. Rev Prat 22:4333-42, 1 Dec 72 (Fre)
DIABETES MELLITUS, complications/ DRUG HYPERSENSITIVITY, complications/ ENDOCRINE DISEASES, complications/ GOUT, complications/ HYPERTROPHY/ LIVER CIRRHOSIS, complications/ LYMPHATIC DISEASES, complications/ MIKULICZ' DISEASE, complications/ NUTRITION DISORDERS, complications/ ORGAN WEIGHT/ PAROTID GLAND/ SALIVARY GLAND DISEASES, complications/ SARCOIDOSIS, complications/ SJOGREN'S SYNDROME, complications/ SPECIAL LIST FOREIGN

3835. **Szurszewski JH, Bülbring E:** The stimulant action of acetylcholine and catecholamines on the uterus. Philos Trans R Soc Lond [Biol Sci] 265:149-56, 15 Mar 73
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ CHLORIDES, pharmacodynamics/ CYTOPLASM, metabolism/ ELECTRIC CONDUCTIVITY, drug effects/ ELECTROPHYSIOLOGY/ EPINEPHRINE, pharmacodynamics/ FEMALE/ GUINEA PIGS/ IN VITRO/ LANTHANUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, physiology/ NOREPINEPHRINE, pharmacodynamics/ SODIUM, metabolism/ SODIUM, pharmacodynamics/ UTERUS, cytology/ UTERUS, drug effects/ UTERUS, metabolism

T

3836. **Taber P, Gyepes MT, Philippart M, et al:** Roentgenographic manifestations of Leroy's I-cell disease.
Am J Roentgenol Radium Ther Nucl Med 118:213-21, May 73
AUTOSOME ABNORMALITIES/ BONE AND BONES, radiography/ BONE DEVELOPMENT/ *CYTOPLASMIC GRANULES/ DIAGNOSIS, DIFFERENTIAL/ EXTREMITIES, radiography/ FACIAL EXPRESSION/ FEMALE/ HUMAN/ INFANT/ LIPOCHONDRODYSTROPHY, diagnosis/ *LIPOCHONDRODYSTROPHY, familial & genetic/ *MUCOPOLYSACCHARIDES, urine/ PELVIC BONES, radiography/ PHENOTYPE/ SKULL, radiography/ SPINE, radiography

3837. **Tachikawa S, Takenaka T:** Pharmacological studies on 1-(7-indenyloxy)-3-isopropylaminopropan-2-ol hydrochloride (YB-2), a new -adrenergic blocking agent. Arch Int Pharmacodyn Ther 202:79-92, Mar 73
ADRENALECTOMY/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ALPRENOLOL, pharmacodynamics/ *AMINO ALCOHOLS, pharmacodynamics/ AMINO ALCOHOLS, toxicity/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ EPINEPHRINE, antagonists & inhibitors/ GUINEA PIGS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ IN VITRO/ *INDENES, pharmacodynamics/ ISOPROTERENOL, antagonists & inhibitors/ MICE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ OUABAIN, antagonists & inhibitors/ PROPRANOLOL, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ STEREOISOMERS/ TRACHEA, drug effects/ VAGOTOMY

3838. **Tager HS, Emdin SO, Clark JL, et al:** Studies on the conversion of proinsulin to insulin. II. Evidence for a chymotrypsin-like cleavage in the connecting peptide region of insulin precursors in the rat.
J Biol Chem 248:3476-82, 25 May 73
ACETIC ACIDS, pharmacodynamics/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHYMOTRYPSIN/ CORTISONE, pharmacodynamics/ ELECTROPHORESIS, PAPER/ FORMIC ACIDS/ GLUTAMINE, analysis/ *INSULIN, metabolism/ ISLANDS OF LANGERHANS, metabolism/ LEUCINE, metabolism/ MALE/ MODELS, CHEMICAL/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PEPTIDES, metabolism/ PROINSULIN, biosynthesis/ *PROINSULIN, metabolism/ RATS/ THIOCYANATES/ TRITIUM/ TRYPSIN

3839. **Tagliamonte A, Biggio G, Vargiu L, et al:** Increase of brain tryptophan and stimulation of serotonin synthesis by salicylate. J Neurochem 20:909-12, Mar 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ HYDROXYINDOLEACETIC ACID, metabolism/ KINETICS/ MALE/ RATS/ *SALICYLATES, pharmacodynamics/ *SEROTONIN, biosynthesis/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism

3840. **Tagliamonte A, Biggio G, Vargiu L, et al:** Free tryptophan in serum controls brain tryptophan level and serotonin synthesis.
Life Sci [II] 12:277-87, 22 Mar 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ FASTING/ HYDROXYINDOLEACETIC ACID, analysis/ INJECTIONS, INTRAPERITONEAL/ MALE/ RATS/ SEROTONIN, analysis/ *SEROTONIN, biosynthesis/ TRYPTOPHAN, administration & dosage/ TRYPTOPHAN, analysis/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism/ ULTRAFILTRATION

3841. **Taira A, Maruko M, Kawashima Y, et al:** [Experimental study of hemodynamics in extracorporeal circulation]
J Jap Assoc Thorac Surg 20:47-53, Jan 72 (Jap)
ANIMAL EXPERIMENTS/ CHLORPROMAZINE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ *EXTRACORPOREAL CIRCULATION/ *HEMODYNAMICS/ HEMODYNAMICS, drug effects/ HYDROCORTISONE, pharmacodynamics/ METHOXAMINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics

3842. **Talt SA, Talt JF, Bradley JE:** The effect of serotonin and potassium on corticosterone and aldosterone production by isolated zona glomerulosa cells of the rat adrenal cortex.
Aust J Exp Biol Med Sci 50:833-46, Dec 72
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CORTICOSTERONE, biosynthesis/ CROSS REACTIONS/ DEPRESSION, CHEMICAL/ FEMALE/ IN VITRO/ POTASSIUM, administration & dosage/ *POTASSIUM, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *SEROTONIN, pharmacodynamics/ SHEEP, immunology/ STIMULATION, CHEMICAL/ TRITIUM

3843. **Takagi A, Schotland DL, Rowland LP:** Sarcoplasmic reticulum in Duchenne muscular dystrophy.
Arch Neurol 28:380-4, Jun 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADOLESCENCE/ ADULT/ AGED/ *CALCIUM,

metabolism/ CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL, metabolism/ CYTOCHROME REDUCTASES, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ INFANT/ LECITHINS, metabolism/ *LIPIDS, metabolism/ MAGNESIUM/ MALE/ MEMBRANES, metabolism/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MUSCULAR DYSTROPHY, enzymology/ *MUSCULAR DYSTROPHY, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ PHOSPHOLIPIDS, metabolism/ *PROTEINS, metabolism/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ SUBCELLULAR FRACTIONS/ SUCCINATES

3844. **Takagi S, Yoshida T:** [Feto-placental relation in fetal endocrine function]
Clin Endocrinol (Tokyo) 21:173-9, Feb 73 (Jap)
ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, physiology/ *ENDOCRINE GLANDS, embryology/ ESTRIOL, biosynthesis/ FEMALE/ FETUS/ GONADOTROPINS, PITUITARY, physiology/ HUMAN/ MALE/ *MATERNAL-FETAL EXCHANGE/ OVARY, embryology/ OVARY, physiology/ PITUITARY GLAND, embryology/ PITUITARY GLAND, physiology/ PLACENTA, physiology/ PREGNANCY/ PROGESTERONE, biosynthesis/ REVIEW/ SOMATOTROPIN, blood/ TESTIS, embryology/ TESTIS, physiology

3845. **Takahashi T, Takasaki M, Namiki A, et al:** Effects of althesin on cerebrospinal fluid pressure.
Br J Anaesth 45:179-84, Feb 73
ADULT/ AGED/ *ANESTHETICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARBON DIOXIDE, blood/ CARBON DIOXIDE, metabolism/ CENTRAL VENOUS PRESSURE, drug effects/ CEREBROSPINAL FLUID, drug effects/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INTRACRANIAL PRESSURE, drug effects/ *KETONES, pharmacodynamics/ MALE/ MIDDLE AGE/ NEUROSURGERY/ OXYGEN CONSUMPTION/ *PREGNANES, pharmacodynamics

3846. **Takayama M, Greenwald GS:** Hormonal requirements for the maintenance of luteal function in hypophysectomized, pseudopregnant rats.
J Endocrinol 56:421-9, Mar 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, analysis/ *CORPUS LUTEUM, physiology/ DECIDUA, anatomy & histology/ ESTRONE, physiology/ FEMALE/ FSH, physiology/ HYPOPHYSECTOMY/ LH, physiology/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ PROGESTERONE, blood/ *PROLACTIN, physiology/ PROTEIN BINDING/ *PSEUDOPREGNANCY/ RATS/ UTERUS, anatomy & histology

3847. **Takayama M, Greenwald GS:** Direct luteotropic action of estrogen in the hypophysectomized-hysterectomized rat.
Endocrinology 92:1405-13, May 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, analysis/ CORPUS LUTEUM, drug effects/ ESTRADIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ FETUS/ FSH, pharmacodynamics/ HYPOPHYSECTOMY/ HYSTERECTOMY/ LH, pharmacodynamics/ PREGNANCY/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ PROLACTIN, pharmacodynamics/ RATS/ TIME FACTORS

3848. **Takeda R, Funazu T, Odake K, et al:** Idiopathic thrombocytopenic purpura associated with hyperthyroidism. South Med J 66:553-6, May 73
ADOLESCENCE/ *ANEMIA, HYPOCHROMIC, complications/ *AUTOIMMUNE DISEASES/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ *PURPURA, THROMBOPENIC, complications

3849. **Takeva Z, Kusheva R:** Histological and histochemical studies of ovaries of white rats treated with alloxan and those of women who died of diabetic coma.
Folia Histochem Cytochem (Krakow) 10:325-32, 1972
ADULT/ ALKALINE PHOSPHATASE, metabolism/ ALLOXAN, pharmacodynamics/ *ALLOXAN DIABETES/ ALLOXAN DIABETES, pathology/ ANIMAL EXPERIMENTS/ ASCORBIC ACID DEFICIENCY, chemically induced/ AUTOPSY/ BLOOD SUGAR, analysis/ *DIABETIC COMA/ DIABETIC COMA, enzymology/ DIABETIC COMA, pathology/ ESTRUS, drug effects/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ OVARY, drug effects/ *OVARY, enzymology/ OVARY, pathology/ OXIDOREDUCTASES, metabolism/ RATS

3850. **Tal E, Sulman FG:** Rat thyrotrophin levels during heat stress and stimulation by thyrotrophin releasing factor. J Endocrinol 57:181-2, Apr 73
ANIMAL EXPERIMENTS/ *HEAT/ MALE/ PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ RATS/ STIMULATION, CHEMICAL/ *STRESS/ *THYROTROPIN, analysis/ THYROTROPIN, blood/ *THYROTROPIN RELEASING FACTOR, pharmacodynamics/ THYROXINE, blood

3851. **Tal E, Sulman FG:** Dehydroepiandrosterone-induced thyprotrophin release in immature rats.
J Endocrinol 57:183-4, Apr 73
ANIMAL EXPERIMENTS/ DEHYDROEPIANDROSTERONE, administration & dosage/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ MALE/ PITUITARY GLAND, analysis/ RATS/ STIMULATION, CHEMICAL/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROXINE, blood

3852. **Talamantes F, Browning HC:** Effect of neonatal administration of norethynodrel-mestranol on the reproductive system of female mice.
Tex Rep Biol Med 30:361-9, Winter 72
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ DRUG COMBINATIONS/ ESTRUS, drug effects/ EYELIDS, drug effects/ FEMALE/ MAMMAE, drug effects/ MESTRANOL, administration & dosage/ *MESTRANOL, pharmacodynamics/ MICE/ MICE, INBRED C3H/ NORETHYNODREL, administration & dosage/ *NORETHYNODREL, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ PITUITARY GLAND, drug effects/ PUBERTY, drug effects/ *REPRODUCTION, drug effects/ STERILITY, FEMALE, chemically induced/ VAGINA, drug effects/ VAGINAL SMEARS

3853. **Talaš M, Fingerová H:** Hladiny HPL v normálním a ohroženém těhotenství.
Cesk Gynekol 38:137-9, Apr 73 (Cze)
FEMALE/ HUMAN/ LABOR, PREMATURE/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/ RADIOIMMUNOASSAY

3854. **Talas M, Midgley AR Jr, Jaffe RB:** Regulation of human gonadotropins. XIV. Gel filtration and electrophoretic analysis of endogenous and extracted immunoreactive human follicle-stimulating hormone of pituitary, serum and urinary origin.
J Clin Endocrinol Metab 36:817-25, May 73
*ANTIGENS, analysis/ CHORIOCARCINOMA, blood/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *FSH, analysis/ FSH, blood/ FSH, urine/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ IODINE ISOTOPES/ MENOPAUSE/ PITUITARY GLAND, analysis/ PREGNANCY/ PUBERTY/ RADIOIMMUNOASSAY

3855. **Talcott RE, Stohs SJ:** Effects of PCN and phenobarbital on 3 H-digitoxigenin and 3 H-digoxigenin metabolism

by rat liver microsomes.
Res Commun Chem Pathol Pharmacol 5:663-72, May 73
ANIMAL EXPERIMENTS/ *CARDANOLIDES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HYDROXYLATION/ IN VITRO/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ *NITRILES, pharmacodynamics/ *PHENOBARBITAL, pharmacodynamics/ *PREGNENOLONE, pharmacodynamics/ RATS/ SPECTRUM ANALYSIS/ TRITIUM

3856. **Talmage RV, Whitehurst LA, Anderson JJ:** Effect of calcitonin and calcium infusion on plasma phosphate.
Endocrinology 92:792-8, Mar 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ INJECTIONS, INTRAPERITONEAL/ KIDNEY, physiology/ MALE/ NEPHRECTOMY/ *PHOSPHATES, blood/ PHOSPHORUS ISOTOPES/ RATS/ *THYROCALCITONIN, administration & dosage/ THYROCALCITONIN, pharmacodynamics/ THYROCALCITONIN, physiology/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS

3857. **Tamaoki B:** Steroidogenesis and cell structure. Biochemical pursuit of sites of steroid biosynthesis.
J Steroid Biochem 4:89-118, Jan 73 (88 ref.)
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, metabolism/ ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ ENZYMES, metabolism/ ESTROGENS, metabolism/ IN VITRO/ LH, biosynthesis/ MICROSCOPY, ELECTRON/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ OVARY, metabolism/ PLACENTA, cytology/ PLACENTA, metabolism/ RADIATION EFFECTS/ REVIEW/ RNA, metabolism/ *STEROIDS, biosynthesis/ SUBCELLULAR FRACTIONS, metabolism/ SWINE/ TESTIS, cytology/ TESTIS, metabolism/ TESTIS, radiation effects

3858. **Tammisto T, Takki S, Tigerstedt I, et al:** A comparison of altbesin and thiopentone in induction of anaesthesia. Br J Anaesth 45:100-7, Jan 73
ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ APNEA, chemically induced/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ HYDROXYSTEROIDS, adverse effects/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, adverse effects/ KETOSTEROIDS, pharmacodynamics/ MALE/ MEPERIDINE, pharmacodynamics/ MIDDLE AGE/ PREGNANES, administration & dosage/ PREGNANES, adverse effects/ *PREGNANES, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ SLEEP, drug effects/ THIOPENTAL, administration & dosage/ THIOPENTAL, adverse effects/ THIOPENTAL, pharmacodynamics

3859. **Tan KH:** Peracetic acid as an oxidizer to replace permanganate in the staining of neurosecretory cells.
Stain Technol 48:140-1, May 73
*ACETIC ACIDS/ ANIMAL EXPERIMENTS/ *BRAIN, cytology/ INSECTS/ MICE/ *NEUROSECRETORY SYSTEMS, cytology/ OXIDATION-REDUCTION/ PEROXIDES/ POTASSIUM PERMANGANATE/ *STAINS AND STAINING

3860. **Tan WC, Privett OS:** Studies on detection and synthesis of prostaglandins in tail skin of the rat.
Lipids 8:166-9, Apr 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, metabolism/ CHROMATOGRAPHY, THIN LAYER/ EPITHELIUM/ IN VITRO/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, biosynthesis/ RATS/ SKIN, analysis/ *SKIN, metabolism/ TAIL

3861. **Tanaka Y, Deluca HF:** The control of 25-hydroxyvitamin D metabolism by inorganic phosphorus. Arch Biochem Biophys 154:566-74, Feb 73
ANIMAL EXPERIMENTS/ CALCIUM, administration & dosage/ DIET/ HYPERCALCEMIA, etiology/ KIDNEY CORTEX, analysis/ MALE/ PARATHYROID GLANDS, physiology/ PHOSPHATES, analysis/ PHOSPHORUS, blood/ *PHOSPHORUS, pharmacodynamics/ RATS/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS/ TRITIUM/ VITAMIN D, biosynthesis/ *VITAMIN D, metabolism

3862. **Tanzer FS, Navia JM:** Calcitonin inhibition of intestinal phosphate absorption.
Nature [New Biol] 242:21221-2, 18 Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ FEMUR, metabolism/ INJECTIONS, INTRAPERITONEAL/ *INTESTINAL ABSORPTION, drug effects/ MOLAR, metabolism/ PHOSPHATES, administration & dosage/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ SKULL, metabolism/ *THYROCALCITONIN, pharmacodynamics

3863. **Tapia HR, Johnson CE, Strong CG:** Effect of oral contraceptive therapy on the renin-angiotensin system in normotensive and hypertensive women.
Obstet Gynecol 41:643-9, May 73
ADULT/ *ANGIOTENSIN, blood/ *ANGIOTENSINASE, blood/ BLOOD PRESSURE, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ *KIDNEY, drug effects/ MIDDLE AGE/ *RENIN, blood

3864. **Taraxi RC, Frohlich ED, Dustan HP:** Contribution of cardiac output to renovascular hypertension in man. Relation to surgical treatment.
Am J Cardiol 31:600-5, May 73
BLOOD PRESSURE/ BODY SURFACE AREA/ *CARDIAC OUTPUT/ HUMAN/ HYPERTENSION, RENAL, enzymology/ *HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENAL, surgery/ NEPHRECTOMY/ RENIN, blood/ VASCULAR RESISTANCE

3865. **Tarm F, Juncos LL, Anderson CF, et al:** Bartter's syndrome. An unusual presentation.
Mayo Clin Proc 48:280-3, Apr 73
ADOLESCENCE/ AGE FACTORS/ ALKALOSIS, complications/ ANOREXIA NERVOSA, diagnosis/ BIOPSY/ BLOOD PRESSURE/ BODY CONSTITUTION/ CASE REPORT/ CHLORIDES, blood/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM/ HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA, pathology/ HYPERTROPHY, pathology/ INTELLIGENCE/ KIDNEY GLOMERULUS, pathology/ RENIN, blood

3866. **Taşcă C:** Morfologia funcţională a sistemelor de reglare endocrină.
Stud Cercet Endocrinol 24:163-78, 1973 (Rum)
ANIMAL EXPERIMENTS/ *ENDOCRINE GLANDS, cytology/ ENDOCRINE GLANDS, physiology/ HISTOCYTOCHEMISTRY/ HORMONES, biosynthesis/ HUMAN/ MICROSCOPY, ELECTRON

3867. **Tashima CK:** Blood "cortisol" levels from spironolactone. JAMA 224:1188, 21 May 73
ADULT/ DIAGNOSTIC ERRORS/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ *SPIRONOLACTONE, therapeutic use

3868. **Taska RJ, Schoolar JC:** Peripheral tissue distribution, brain distribution and metabolism of mescaline- 14 C in monkeys.

Arch Int Pharmacodyn Ther 202:66-78, Mar 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BILE, metabolism/ BLOOD-BRAIN BARRIER/ BONE MARROW, metabolism/ *BRAIN, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MATERNAL-FETAL EXCHANGE/ MESCALINE, blood/ *MESCALINE, metabolism/ MONKEYS/ PREGNANCY/ SALIVARY GLANDS, metabolism/ TIME FACTORS

3869. **Tassell R, Kennedy JP:** Tinctorial differentiation of the cell types in the pars anterior of the sheep.
Aust J Biol Sci 25:1249-57, Dec 72
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ CORTICOTROPIN, biosynthesis/ FEMALE/ FETUS, cytology/ GONADOTROPINS, PITUITARY, biosynthesis/ LABOR/ MALE/ METHYLTHIOURACIL, pharmacodynamics/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PREGNANCY/ PROLACTIN, biosynthesis/ *SHEEP, anatomy & histology/ SOMATOTROPIN, biosynthesis/ STAINS AND STAINING/ THYROTROPIN, biosynthesis

3870. **Tatra G, Jahoda E:** Das Endometriumkarzinom bei primärer intra- und extragenitaler Tumormultiplizität.
Wien Med Wochenschr 123:224-7, 7 Apr 73 (Ger)
ADULT/ AUSTRIA/ BREAST NEOPLASMS, occurrence/ *ENDOMETRIUM/ FEMALE/ *GYNECOLOGIC NEOPLASMS, occurrence/ HUMAN/ INTESTINAL NEOPLASMS, occurrence/ MENOPAUSE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, occurrence/ OVARIAN NEOPLASMS, occurrence/ PROGNOSIS/ TIME FACTORS/ *UTERINE NEOPLASMS, occurrence

3871. **Tatra G, Wolf E:** Untersuchungen über Histokompatibilitätsantigene und Tropboblasttumore.
Arch Gynaekol 213:341-51, 21 Mar 73 (Ger)
ABO FACTORS/ CHORIOCARCINOMA, immunology/ ENGLISH ABSTRACT/ FEMALE/ *HISTOCOMPATIBILITY/ *HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ HYDATIDIFORM MOLE, blood/ HYDATIDIFORM MOLE, immunology/ MALE/ PHENOTYPE/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ *PREGNANCY COMPLICATIONS, immunology/ TROPHOBLASTIC TUMOR, blood/ *TROPHOBLASTIC TUMOR, immunology

3872. **Taugner G:** The effects of univalent anions on catecholamine fluxes and adenosine tripbosphatase activity in storage vesicles from the adrenal medulla.
Biochem J 130:969-73, Dec 72
ACETATES, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL MEDULLA, enzymology/ *ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BROMIDES, pharmacodynamics/ *CATECHOLAMINES, metabolism/ CATTLE/ *CHLORIDES, pharmacodynamics/ HYDROLYSIS/ IN VITRO/ *IODIDES, pharmacodynamics/ ISOTONIC SOLUTIONS/ THIOCYANATES, pharmacodynamics/ TRICHLOROACETIC ACID, pharmacodynamics

3873. **Taulemesse H, Besson J, Brière J, et al:** Préparation des acides ribonucléiques solubles de la thyroïde bumaine. C R Soc Biol (Paris) 166:1004-8, 1972 (Fre)
BENTONITE/ BUFFERS/ CHROMATOGRAPHY/ DEOXYRIBONUCLEASE/ DNA/ HEAT/ HUMAN/ METHODS/ NUCLEIC ACID DENATURATION/ PHENOLS/ PRECIPITATION/ RNA, RIBOSOMAL/ *RNA, TRANSFER, isolation & purification/ *THYROID GLAND, analysis

3874. **Tauš L, Sušická L:** Pětileté sledování pěti sexuálních deviantůy po terapeutickém zákroku.
Cesk Psychiatr 69:51-5, Feb 73 (Cze)
ADULT/ *CASTRATION/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ POSTOPERATIVE COMPLICATIONS/ *SEX DEVIATION, therapy

3875. **Taussig LM, Braunstein GD, White BJ, et al:** Silver-Russell dwarfism and cystic fibrosis in a twin. Endocrine, cbromosomal, dermatoglypbic, and craniofacial studies.
Am J Dis Child 125:495-503, Apr 73
*ABNORMALITIES, MULTIPLE/ BIRTH WEIGHT/ CEPHALOMETRY/ CHILD/ CHROMOSOMES/ *CRANIOFACIAL DYSOSTOSIS, complications/ *CYSTIC FIBROSIS, complications/ DERMATOGLYPHICS/ *DISEASES IN TWINS/ *DWARFISM, congenital/ FSH, blood/ FSH, urine/ GONADOTROPINS, urine/ HUMAN/ HYDROCORTISONE, blood/ JAW ABNORMALITIES/ KARYOTYPING/ LH, blood/ LH, urine/ MALE/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ TOOTH ABNORMALITIES, radiography

3876. **Taussig LM, Braunstein GD:** Effects of vasopressin on sweat rate and composition in patients witb diabetes insipidus and normal controls.
J Invest Dermatol 60:197-202, Apr 73
ADOLESCENCE/ ADULT/ CHILD/ CHLORIDES, analysis/ CYSTIC FIBROSIS, urine/ *DIABETES INSIPIDUS, physiopatbology/ DIABETES INSIPIDUS, urine/ FEMALE/ HUMAN/ IONTOPHORESIS/ MALE/ POTASSIUM, analysis/ SODIUM, analysis/ *SWEAT, analysis/ *SWEAT GLANDS, physiopathology/ SWEAT GLANDS, secretion/ *SWEATING/ *VASOPRESSIN, pbarmacodynamics

3877. **Tavares AS, Costa J, Maia JC:** Correlation between ploidy and prognosis in prostatic carcinoma.
J Urol 109:676-9, Apr 73
*ADENOCARCINOMA, classification/ ADENOCARCINOMA, drug therapy/ DENSITOMETRY/ *DIPLOIDY/ DNA, NEOPLASM, analysis/ ESTROGENS, tberapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ *POLYPLOIDY/ PROGNOSIS/ *PROSTATIC NEOPLASMS, classification/ PROSTATIC NEOPLASMS, drug tberapy/ STATISTICS

3878. **Tavill AS, East AG, Black EG, et al:** Regulatory factors in the synthesis of plasma proteins by the isolated perfused rat liver.
Ciba Found Symp 9:155-79, 1972 (35 ref.)
AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BLOOD PROTEINS, biosynthesis/ BLOOD SUGAR, metabolism/ CARBON ISOTOPES/ CARBONATES, metabolism/ GLUCAGON, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ KINETICS/ LIVER, anatomy & histology/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ ORGAN WEIGHT/ PERFUSION/ POLYRIBOSOMES/ PROTEIN DEFICIENCY, metabolism/ PROTEINS, metabolism/ RATS/ REVIEW/ SERUM ALBUMIN, biosynthesis/ TRANSFERRIN, biosynthesis/ UREA, biosyntbesis

3879. **Taya Y, Nishimura S:** Biosynthesis of 5-metbylaminomethyl-2-thiouridylate. I. Isolation of a new tRNA-methylase specific for 5-metbylaminomethyl-2-thiouridylate.
Biochem Biophys Res Commun 51:1062-8, 16 Apr 73
AUTORADIOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ METHYLAMINES, biosyntbesis/ *METHYLTRANSFERASES, isolation & purification/ METHYLTRANSFERASES, metaholism/ RNA, TRANSFER/ *THIOURACIL, biosynthesis

3880. **Taylor AW, Secord DC, Murray P, et al:** The effects of

castration and repositol testosterone treatment on exercise-induced glycogen and free fatty acid mobilization. Endokrinologie 61:13-6 passim, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ GLYCOGEN, analysis/ *GLYCOGEN, metabolism/ MALE/ MUSCLES, analysis/ *MUSCLES, metabolism/ MYOCARDIUM, analysis/ RATS/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

3881. **Taylor MJ, Short RV:** Development of the germ cells in the ovary of the mule and hinny.
J Reprod Fertil 32:441-5, Mar 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CHROMOSOMES/ FEMALE/ FERTILIZATION/ GRAAFIAN FOLLICLE, physiopathology/ HORSES/ *HYBRIDIZATION/ MALE/ MEIOSIS/ MITOSIS/ OVARY, embryology/ *OVARY, growth & development/ OVUM, physiology/ *PERISSODACTYLA, growth & development/ *STERILITY, FEMALE, etiology

3882. **Taylor RM, McKinnon LJ, Wood C:** An artificial conduit for the collection of ova in the rabbit.
Aust NZ J Obstet Gynaecol 12:198-201, Aug 72
ANIMAL EXPERIMENTS/ *EQUIPMENT AND SUPPLIES/ FALLOPIAN TUBES/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ METHODS/ NYLON/ OVARY/ OVULATION, drug effects/ *OVUM/ RABBITS/ SILICONE ELASTOMERS/ SKIN/ STERILITY, FEMALE, surgery/ SYRINGES/ VAGINA

3883. **Taylor SI, Mukherjee C, Jungas RL:** Studies on the mechanism of activation of adipose tissue pyruvate dehydrogenase by insulin.
J Biol Chem 248:73-81, 10 Jan 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ CARBON ISOTOPES/ CARBOXYLIC ACIDS, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ENZYME ACTIVATION/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, enzymology/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, pharmacodynamics/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HYDROXYBUTYRATES, pharmacodynamics/ *INSULIN, pharmacodynamics/ KETONE OXIDOREDUCTASES, antagonists & inhibitors/ KETONE OXIDOREDUCTASES, metabolism/ MULTIENZYME COMPLEXES/ NICOTINIC ACID, pharmacodynamics/ OLIGOMYCIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PYRAZOLES, pharmacodynamics/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATES/ RATS

3884. **Taylor T, Hamilton W:** Human foetal adrenal 4-ene-3-oxosteroid synthesis: an investigation of (4-14 C) pregnenolone and (4- 14 C)-dehydroepiandrosterone metabolism using new techniques. J Endocrinol 56:387-402, Mar 73
ADRENAL GLAND NEOPLASMS, metabolism/ *ADRENAL GLANDS, metabolism/ ANDROSTENES, biosynthesis/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CORTISONE, biosynthesis/ *DEHYDROEPIANDROSTERONE, metabolism/ *FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ HYDROCORTISONE, biosynthesis/ IN VITRO/ METHODS/ *PREGNENOLONE, metabolism/ PROGESTERONE, biosynthesis/ TESTOSTERONE, biosynthesis/ TRITIUM

3885. **Tcherdakoff P, Menard J, Bedrossian J, et al:** Alpha-méthyl-para-tyrosine dans le traitement prolongé du phéochromocytome malin et la préparation pré-opératoire du phéochromocytome bénin: étude préliminaire.
J Urol Nephrol (Paris) 78:744-7, Sep 72 (Fre)
ADULT/ BONE NEOPLASMS, drug therapy/ CATECHOLAMINES, metabolism/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, drug therapy/ LIVER NEOPLASMS, drug therapy/ METHYLTYROSINES, adverse effects/ *METHYLTYROSINES, therapeutic use/ *NEOPLASM METASTASIS, drug therapy/ *PHEOCHROMOCYTOMA, drug therapy/ PHEOCHROMOCYTOMA, surgery/ PREOPERATIVE CARE/ VENA CAVA, INFERIOR

3886. **Tchernitchin A, Chandross R:** In vivo uptake of estradiol-17 by the uterus of the mature rat.
J Steroid Biochem 4:41-4, Jan 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ EPITHELIAL CELLS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ FREEZE DRYING/ INTESTINE, SMALL, metabolism/ KINETICS/ MUSCLE, SMOOTH, metabolism/ MUSCLES, metabolism/ RATS/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism

3887. **Telfer M, Baker D, Rollin I:** Probable long-arm deletion of Y chromosome in boy of short stature.
Lancet 1:608, 17 Mar 73
CHILD, PRESCHOOL/ *GROWTH DISORDERS, etiology/ HUMAN/ MALE/ *SEX CHROMOSOME ABNORMALITIES, complications

3888. **Tell GP, Cuatrecasas P, Van Wyk JJ, et al:** Somatomedin: inhibiton of adenylate cyclase activity in subcellular membranes of various tissues.
Science 180:312-5, 20 Apr 73
*ADENYL CYCLASE, antagonists & inhibitors/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BONE AND BONES, cytology/ BONE AND BONES, enzymology/ CELL MEMBRANE, enzymology/ CHICK EMBRYO/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ LIVER, cytology/ LIVER, enzymology/ LYMPHOCYTES, cytology/ LYMPHOCYTES, enzymology/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ *SOMATOMEDIN, pharmacodynamics/ SPLEEN, cytology/ SPLEEN, enzymology

3889. **Teller WM, Periemann M:** Urinary steroid patterns after short and long term treatment with human chorionic gonadotropin (HCG) of prepubertal boys with undescended testes.
Z Kinderheilkd 114:155-61, 4 Apr 73
ADOLESCENCE/ ANDROSTERONE, urine/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, drug therapy/ CRYPTORCHISM, urine/ ETIOCHOLANOLONE, urine/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPOPITUITARISM, drug therapy/ 17-KETOSTEROIDS, urine/ MALE/ *STEROIDS, urine/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, urine/ TIME FACTORS

3890. **Temple R, Wolff J:** Stimulation of steroid secretion by antimicrotubular agents.
J Biol Chem 248:2691-8, 25 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLAND NEOPLASMS, pathology/ AMINOGLUTETHIMIDE, pharmacodynamics/ CELL LINE/ CHROMATOGRAPHY, THIN LAYER/ *COLCHICINE, pharmacodynamics/ CORTICOTROPIN/ DEUTERIUM/ FLUORESCENCE SPECTROMETRY/ HYDROXYSTEROIDS, biosynthesis/ KETOSTEROIDS, biosynthesis/ LEYDIG CELL TUMOR, metabolism/ MICE/ MICROTUBULES, drug effects/ MITOSIS/ *PODOPHYLLOTOXIN, pharmacodynamics/ *PREGNENES, biosynthesis/ PREGNENOLONE, biosynthesis/ PROTEINS, biosynthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STIMULATION, CHEMICAL/

TIME FACTORS/ *VINBLASTINE, pharmacodynamics

3891. Tenhaeff D, Lohmeyer H, Emami R: Immunochemische LH-Bestimmung und Pregnandiolausscheidung im normalen Zyklus.
Zentralbl Gynaekol 95:241-6, 23 Feb 73 (Ger)
ADULT/ BODY TEMPERATURE/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HUMAN/ *LH, analysis/ *MENSTRUATION/ METHODS/ OVULATION/ PREGNANCY TESTS, IMMUNOLOGIC/ *PREGNANEDIOL, urine

3892. Tennes K, Carter D: Plasma cortisol levels and behavioral states in early infancy.
Psychosom Med 35:121-8, Mar-Apr 73
APGAR SCORE/ *BEHAVIOR/ BIRTH WEIGHT/ CIRCUMCISION/ CRYING/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ *INFANT, NEWBORN/ SEX FACTORS/ SLEEP/ *STRESS, PSYCHOLOGICAL

3893. Teotia SP, Teotia M: Secondary hyperparathyroidism in patients with endemic skeletal fluorosis.
Br Med J 1:637-40, 17 Mar 73
ADULT/ BONE AND BONES, metabolism/ *BONE DISEASES, complications/ BONE DISEASES, metabolism/ BONE DISEASES, pathology/ BONE DISEASES, radiography/ CALCIUM, metabolism/ FEMALE/ FLUORIDE POISONING, metabolism/ FLUORIDE POISONING, pathology/ FLUORIDE POISONING, radiography/ FLUORIDES, analysis/ FLUORIDES, metabolism/ *FLUORINE/ HAND, radiography/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, chemically induced/ HYPERPARATHYROIDISM, SECONDARY, metabolism/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, radiography/ ILIUM, analysis/ ILIUM, pathology/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ *POISONING, complications

3894. Teplick JG, Nedwich A, Haskin ME: Roentgenographic features of thymolipoma.
Am J Roentgenol Radium Ther Nucl Med 117:873-80, Apr 73
FEMALE/ HUMAN/ *LIPOMA, radiography/ MEDIASTINAL NEOPLASMS, radiography/ MIDDLE AGE/ *THYMUS NEOPLASMS, radiography

3895. Terao K: Annular nucleolus in Leydig cells of mouse.
Z Zellforsch Mikrosk Anat 137:167-75, 12 Feb 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL DIFFERENTIATION/ *CELL NUCLEOLUS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ *LEYDIG CELLS, cytology/ MALE/ MICE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ RIBOSOMES

3896. Terlou M, Ploemacher RE: The distribution of monoamines in the tel-, di- and mesencephalon of Xenopus laevis tadpoles, with special reference to the hypothalamo-hypophysial system.
Z Zellforsch Mikrosk Anat 137:521-40, 7 Mar 73
*CATECHOLAMINES, analysis/ DIENCEPHALON, analysis/ DIENCEPHALON, cytology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, cytology/ *MESENCEPHALON, analysis/ MESENCEPHALON, cytology/ MICROSCOPY, FLUORESCENCE/ NEURONS/ OLFACTORY BULB, analysis/ TELENCEPHALON, analysis/ TELENCEPHALON, cytology/ TRYPTAMINES/ *XENOPUS, anatomy & histology

3897. Termine JD, Eanes ED, Greenfield DJ, et al: Hydrazine-deproteinated bone mineral. Physical and chemical properties. Calcif Tissue Res 12:73-90, 1973
ANIMAL EXPERIMENTS/ APATITES/ *BONE AND BONES, pathology/ CATTLE/ INFRARED RAYS/ MICROSCOPY, ELECTRON/ *MINERALS/ PROTEINS/ RATS/ SPECTRUM ANALYSIS/ WATER/ X-RAY DIFFRACTION

3898. Terner C, MacLaughlin J: Effects of sex hormones on germinal cells of the rat testis: a rationale for the use of progestin and androgen combinations in the control of male fertility. J Reprod Fertil 32:453-64, Mar 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ ESTRADIOL/ GLUCOSE, metabolism/ IN VITRO/ LIBIDO, drug effects/ MALE/ *PROGESTERONE, pharmacodynamics/ RATS/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, metabolism/ *TESTOSTERONE, pharmacodynamics/ TRIGLYCERIDES, metabolism

3899. Territo M, Finklestein J, Oh W, et al: Management of autoimmune thrombocytopenia in pregnancy and in the neonate. Obstet Gynecol 41:579-84, Apr 73
ADOLESCENCE/ ADULT/ *AUTOIMMUNE DISEASES, therapy/ BLOOD/ BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD TRANSFUSION/ CESAREAN SECTION/ FEMALE/ HEMATOMA, therapy/ HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, therapy/ MALE/ PREDNISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC/ PREGNANCY TOXEMIAS/ PURPURA, THROMBOPENIC, congenital/ PURPURA, THROMBOPENIC, diagnosis/ *PURPURA, THROMBOPENIC, therapy/ SPLENECTOMY/ UMBILICAL CORD

3900. Terwindt VA, Bär FW: Waarnemingen tijdens en na toediening van mitramycine.
Ned Tijdschr Geneeskd 117:676-83, 28 Apr 73 (Dut)
ANTIBIOTICS, ANTINEOPLASTIC, adverse effects/ *ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ *DISGERMINOMA, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *TERATOID TUMOR, drug therapy/ *TESTICULAR NEOPLASMS, drug therapy

3901. Thapliyal JP, Chandola A: Seasonal variation in thyroid hormonogenesis in the Indian garden lizard, Calotes versicolor. J Endocrinol 56:451-62, Mar 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/ CHROMATOGRAPHY/ COLD/ DEHYDRATION/ DIIODOTYROSINE, analysis/ IODINE, blood/ IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, analysis/ *LIZARDS, metabolism/ MALE/ PROTEIN BINDING/ *SEASONS/ THYROID GLAND, analysis/ THYROID GLAND, drug effects/ *THYROID HORMONES, biosynthesis/ THYROTROPIN, pharmacodynamics/ THYROXINE, analysis

3902. Thatcher WW, Wilcox CJ: Postpartum estrus as an indicator of reproductive status in the dairy cow.
J Dairy Sci 56:608-10, May 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *ESTRUS/ FEMALE/ PREGNANCY/ *PUERPERIUM/ *REPRODUCTION/ TIME FACTORS

3903. Theiemann W, Gruhn K: Untersuchungen mit markiertem Harnstoff an laktierenden Wiederkäuern. 1. Die Ausscheidung von 15N aus Harnstoff über Milch, Kot und Harn bei Ziegen.
Arch Tierernaehr 22:205-16, Jun 72 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ ENGLISH ABSTRACT/ FECES, analysis/ FEMALE/ *GOATS, metabolism/ LACTATION/ MILK, analysis/ *NITROGEN, metabolism/ NITROGEN, urine/ NITROGEN ISOTOPES/ TIME FACTORS

3904. Thiery M, Van Kets H, Yo Le Sian A, et al: Early diagnosis of anencephaly. Lancet 1:599-600, 17 Mar 73
ABORTION, INDUCED/ *ANENCEPHALUS, diagnosis/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *ULTRASONICS, diagnostic use

3905. **Thiessen DD:** Footbolds for survival.
Am Sci 61:346-51, May-Jun 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ CASTRATION/ FEMALE/ GERBILS/ LACTATION/ MALE/ OVARY, physiology/ SEBUM/ *SMELL/ *TERRITORIALITY/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics

3906. **Thliveris JA, Connell RS Jr:** Ultrastructure of the fetal rat adrenal gland at full-term and during prolonged gestation. Anat Rec 175:607-23, Mar 73
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, metabolism/ CATECHOLAMINES, metabolism/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ FETAL DISEASES, pathology/ FETUS, physiology/ HUMAN/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PREGNANCY, PROLONGED/ PROGESTERONE/ RATS/ STRESS, pathology

3907. **Thomas CG Jr, Buckwalter JA:** Poorly differentiated neoplasms of the thyroid gland.
Ann Surg 177:632-42, May 73
ADULT/ CARCINOMA, classification/ *CARCINOMA, mortality/ CARCINOMA, pathology/ CARCINOMA, surgery/ FEMALE/ HUMAN/ IOWA/ LYMPHATIC METASTASIS/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NORTH CAROLINA/ PALLIATIVE TREATMENT/ PROGNOSIS/ RADICAL NECK DISSECTION/ THYROID NEOPLASMS, classification/ *THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

3908. **Thomas DB, Medley G, Lingwood CA:** Growth inhibition of murine tumor cells, in vitro, by puromycin, (6 N)O 2 '-dibutyryl 3',5'-adenosine monophosphate, or adenosine: evidence of commitment for cell division.
J Cell Biol 57:397-405, May 73
*ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL COUNT/ *CELL DIVISION, drug effects/ CELL LINE/ CYTOLOGICAL TECHNICS/ DNA, NEOPLASM, analysis/ MICE/ MODELS, BIOLOGICAL/ *PUROMYCIN, pharmacodynamics/ SARCOMA, MAST CELL/ SUBCELLULAR FRACTIONS, analysis/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

3909. **Thomas DR, Fox M, Grieve A:** Isolation of islets of Langerhans for transplantation.
Transplant Proc 5:765-8, Mar 73
CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, transplantation/ METHODS/ MICROSCOPY, ELECTRON/ RATS, INBRED STRAINS/ TESTIS, immunology/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY

3910. **Thomas HM Jr, Lufkin EG, Ellis GJ 3d, et al:** Hypogonadotropism and "empty sella": improvement in 2 cases with clomiphene citrate.
Fertil Steril 24:252-9, Apr 73
ADULT/ *CLOMIPHENE, therapeutic use/ FSH, blood/ HUMAN/ *HYPOGONADISM, drug therapy/ LH, blood/ MALE/ *PITUITARY DISEASES, complications/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA/ SELLA TURCICA, radiography/ SPERMATOGENESIS, drug effects/ TESTOSTERONE, blood

3911. **Thomas J, Collipp PJ, Sharma RK:** Thyroid acropachy.
Am J Dis Child 125:745-6, May 73
ADOLESCENCE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ MALE/ METACARPUS/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, complications/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, drug therapy/ PROPYLTHIOURACIL, therapeutic use/ THYROID HORMONES, therapeutic use/ THYROIDECTOMY

3912. **Thomas JA, Singhal RL:** Testosterone-stimulation of adenyl cyclase and cyclic 3',5'-adnosine monophosphate- 3 H formation in rat seminal vesicles.
Biochem Pharmacol 22:507-11, 15 Feb 73
ADENOSINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosyntbesis/ *ADENYL CYCLASE, biosyntbesis/ ANIMAL EXPERIMENTS/ CASTRATION/ IN VITRO/ MALE/ RATS/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, enzymology/ STIMULATION, CHEMICAL/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ TRITIUM

3913. **Thomas JP, Bradley EL Jr:** Tetracycline effect on calcification of the molars of rat offspring.
Ala J Med Sci 10:89-97, Jan 73
ACETIC ACIDS, pharmacodynamics/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM, metabolism/ *DEMETHYLCHLORTETRACYCLINE, pharmacodynamics/ DENTAL ENAMEL, metabolism/ DENTIN, metabolism/ *FETUS, drug effects/ HYDROGEN-ION CONCENTRATION/ *LACTATION/ *MOLAR, metabolism/ PHOSPHORUS, metabolism/ PREGNANCY/ RATS/ SOLUBILITY

3914. **Thomas K, Donnez J, Ferin J:** LH and FSH releasing potency of the synthetic decapeptide p-Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH 2 in human beings. Contraception 6:55-64, Jul 72
ADULT/ CONTRACEPTIVES, ORAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETHINYL ESTRADIOL/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ MENSTRUATION/ NORGESTREL/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ STIMULATION, CHEMICAL

3915. **Thomas K, Ferin J:** Suppression of the midcycle LH surge by a low-dose mestranol-lynestrenol oral combination. Contraception 6:1-16, Jul 72
ADULT/ BODY TEMPERATURE, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *LH, blood/ *LYNESTRENOL, administration & dosage/ LYNESTRENOL, pharmacodynamics/ MENSTRUATION/ *MESTRANOL, administration & dosage/ MESTRANOL, pharmacodynamics

3916. **Thomas MB, Hartree AS, Knight RA, et al:** A comparison of procedures for the isolation of adrenocorticotrophin from human pituitary glands.
J Endocrinol 56:593-608, Mar 73
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ *CORTICOTROPIN, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY

3917. **Thomas TR, Thomas CN:** Mediation of the mating induced increase in accessory reproductive organ size of male rats. Physiol Behav 10:13-7, Jan 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *COITUS/ EJACULATION/ ESTRUS/ *GENITALIA, MALE, anatomy & histology/ GENITALIA, MALE, physiology/ LH, secretion/ MALE/ MUSCLES, anatomy & histology/ ORGAN WEIGHT/ PENIS, anatomy & histology/ PENIS, physiology/ PERINEUM, anatomy & histology/ PHYSICAL STIMULATION/ PROPIONATES/ RATS/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ TESTIS, anatomy & histology/ TESTOSTERONE, pharmacodynamics/ TOUCH

3918. **Thomopoulou H, Livadas D, Coligianni A:** Congenital anomalies of the kidney and renal function in Turner-syndrome. Endokrinologie 60:329-39, 1972
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODOHIPPURIC ACID/ *KIDNEY, ahnormalities/ RADIOISOTOPE RENOGRAPHY/ RADIOISOTOPE SCANNING/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, radiography/ UROGRAPHY

3919. **Thompson ED, Knights BA, Parks LW:** Identification and properties of a sterol-binding polysaccharide isolated from Saccharomyces cerevisiae.
Biochim Biophys Acta 304:132-41, 30 Mar 73
ALCOHOL, ETHYL/ CARBAZOLES/ CELL WALL, analysis/ CENTRIFUGATION/ CHEMISTRY/ CHOLESTEROL/ CHROMATOGRAPHY, GAS/ ERGOSTEROL/ HYDROGEN-ION CONCENTRATION/ LANOSTEROL/ MANNOSE, analysis/ OSMOLAR CONCENTRATION/ POLYSACCHARIDES, analysis/ *POLYSACCHARIDES, isolation & purification/ PRECIPITATION/ *SACCHAROMYCES CEREVISIAE, analysis/ SACCHAROMYCES CEREVISIAE, growth & development/ SOLUBILITY/ SPECTROPHOTOMETRY/ *STEROLS/ STRUCTURE-ACTIVITY RELATIONSHIP

3920. **Thompson GW, Popovich F, Luks E:** Sexual dimorphism in hand and wrist ossification.
Growth 37:1-11, Mar 73
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ AGE FACTORS/ CALCIFICATION, PHYSIOLOGIC/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FINGERS, physiology/ *HAND, growth & development/ HAND, radiography/ HUMAN/ MALE/ *OSSIFICATION, PHYSIOLOGIC/ *SEX CHARACTERISTICS/ STATISTICS/ TIME FACTORS/ WRIST, growth & development/ WRIST, radiography

3921. **Thompson NW, Olsen WR, Hoffman GL:** The continuing development of the technique of thyroidectomy. Surgery 73:913-27, Jun 73
CAROTID ARTERIES, surgery/ CONNECTIVE TISSUE, surgery/ FASCIA, surgery/ HUMAN/ HYPERTHYROIDISM, surgery/ LARYNGEAL NERVES, surgery/ METHODS/ THYROID NEOPLASMS, surgery/ *THYROIDECTOMY

3922. **Thompson RC Jr:** Heparin osteoporosis. An experimental model using rats.
J Bone Joint Surg [Am] 55:606-12, Apr 73
ANIMAL EXPERIMENTS/ BIOMECHANICS/ *BONE AND BONES, drug effects/ BONE AND BONES, enzymology/ BONE AND BONES, metabolism/ *COLLAGEN, biosynthesis/ *DISEASE MODELS, ANIMAL/ FEMALE/ FIBROBLASTS, drug effects/ *HEPARIN/ HUMERUS, drug effects/ HUMERUS, radiography/ HYDROXYPROLINE, biosynthesis/ HYPERSENSITIVITY/ INJECTIONS, SUBCUTANEOUS/ LEUKOPENIA, chemically induced/ MICRORADIOGRAPHY/ MITOSIS, drug effects/ *OSTEOPOROSIS, chemically induced/ PROLINE, metabolism/ RADIUS, drug effects/ RATS/ TRITIUM/ ULNA, drug effects/ WOUND HEALING, drug effects

3923. **Thompson WJ, Little SA, Williams RH:** Effect of insulin and growth hormone on rat liver cyclic nucleotide phosphodiesterase. Biochemistry 12:1889-94, 8 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, ZONAL/ CYTOPLASM, drug effects/ CYTOPLASM, enzymology/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, enzymology/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYPOPHYSECTOMY/ *INSULIN, pharmacodynamics/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MEMBRANES, drug effects/ MEMBRANES, enzymology/ *PHOSPHODIESTERASES, metabolism/ PITUITARY GLAND, physiology/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STREPTOZOTOCIN/ TRITIUM

3924. **Thompson WJ, Williams RH, Little SA:** Activation of guanyl cyclase and adenyl cyclase by secretin.
Biochim Biophys Acta 302:329-37, 12 Apr 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ GLUCAGON, pharmacodynamics/ *GUANYL CYCLASE, metabolism/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ LIVER, enzymology/ MALE/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ RATS/ *SECRETIN, pharmacodynamics/ SULFHYDRYL REAGENTS/ TRITIUM

3925. **Thornton VF, Evennett PJ:** Changes in the fine structure of the ovarian follicle of the toad (Bufo bufo) Prior to induced ovulation.
Gen Comp Endocrinol 20:413-23, Apr 73
ANIMAL EXPERIMENTS/ *BUFO BUFO, physiology/ CELL MEMBRANE/ CYTOPLASM/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GRAAFIAN FOLLICLE, cytology/ HUMAN/ LIPID MOBILIZATION/ LIPIDS, analysis/ MALE/ *OVULATION/ OVULATION, drug effects/ TIME FACTORS

3926. **Thorson SC:** Retroperitoneal fibrosis.
Can Med Assoc J 108:957-8, 21 Apr 73
ANEMIA, SICKLE CELL, complications/ AUTOIMMUNE DISEASES, complications/ HUMAN/ METHYSERGIDE, adverse effects/ RETROPERITONEAL FIBROSIS, chemically induced/ *RETROPERITONEAL FIBROSIS, etiology/ THYROIDITIS, complications/ VASCULAR DISEASES, complications

3927. **Thrash CR, Cunningham DD:** Stimulation of division of density inhibited fibroblasts by glucocorticoids.
Nature 242:399-401, 6 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGGLUTINATION/ *CELL DIVISION, drug effects/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CHOLESTEROL, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ *CONTACT INHIBITION, drug effects/ DNA, biosynthesis/ *FIBROBLASTS, drug effects/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ L CELLS/ MALE/ MICE/ PENIS/ PROGESTERONE, pharmacodynamics/ SV40 VIRUS/ THYMIDINE, metabolism/ TRITIUM

3928. **Ticho U, Feinsod M:** Traumatic optic neuritis.
Ann Ophthalmol 5:430-2, Apr 73
ADULT/ CORTICOTROPIN, therapeutic use/ EDEMA, complications/ EDEMA, drug therapy/ ELECTRORETINOGRAPHY/ EVOKED POTENTIALS/ FUNDUS OCULI/ GLUCOCORTICOIDS, therapeutic use/ *HEAD INJURIES, complications/ HUMAN/ INTRAOCULAR PRESSURE/ MALE/ NECROSIS/ OPTIC ATROPHY, etiology/ *OPTIC NERVE, injuries/ OPTIC NEURITIS, drug therapy/ *OPTIC NEURITIS, etiology/ SCOTOMA, drug therapy/ VISION DISORDERS, etiology/ VISUAL ACUITY

3929. **Tikhonova EP, Paleĭ AA:** Effektivnost' razlichnykh metodov lecheniia nefroéndokrinnykh form ozhireniia. Vrach Delo 11:99-3, Nov 72 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ *ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OBESITY, etiology/ *OBESITY, therapy

3930. **Tikkanen MJ:** Urinary excretion of estriol conjugates in normal pregnancy. J Steroid Biochem 4:57-63, Jan 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/

FEMALE/ GLUCURONATES, urine/ HUMAN/ *PREGNANCY/ SULFATES, urine/ TIME FACTORS

3931. **Tikkanen MJ:** Changes in the urinary oestriol conjugate pattern in twin pregnancy.
J Endocrinol 55:223-4, Oct 72
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ FEMALE/ HUMAN/ LIVER, metabolism/ PREGNANCY/ *PREGNANCY, MULTIPLE/ SULFATES, urine/ TWINS

3932. **Tikkanen MJ, Adlercreutz H, Pulkkinen MO:** Effects of antibiotics on oestrogen metabolism.
Br Med J 2:369, 12 May 73
*AMPICILLIN, pharmacodynamics/ DRUG INTERACTIONS/ *ESTRIOL, urine/ *ESTROGENS, metabolism/ FEMALE/ HUMAN/ PREGNANCY

3933. **Tikkanen MJ, Adlercreutz H:** Recurrent jaundice in pregnancy. 3. Quantitative determination of urinary estriol conjugates, including studies in pruritus gravidarum. Am J Med 54:600-4, May 73
CHROMATOGRAPHY/ COMMUNICABLE DISEASES, urine/ ESTRIOL, metabolism/ *ESTRIOL, urine/ GEL FILTRATION/ GLUCURONATES, urine/ HUMAN/ HYDROLYSIS/ JAUNDICE, diagnosis/ *JAUNDICE, urine/ LIVER FUNCTION TESTS/ METHYLATION/ PREGNANCY/ *PREGNANCY COMPLICATIONS, urine/ *PRURITUS, urine/ RADIOISOTOPE SCANNING

3934. **Timoshenko LV, Zhiliaev MI, Fogel PI:** Ekskretsiia z secheiu deiakykh steroidnykh hormoniv pry fiziolohichnomu perebihu vahitnosti i zahrozi mymovil'noho peredchasnoho ii' pereryvannia.
Pediatr Akush Ginekol 5:38-40, Oct 72 **(Ukr)**
*ABORTION, THREATENED, urine/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ PREGNANCY/ *PREGNANEDIOL, urine

3935. **Tiniand B:** Structure-activity study of adrenocortical inhibiting 2,2-diphenethylamines.
Res Commun Chem Pathol Pharmacol 5:837-42, May 73
ADRENAL GLANDS, drug effects/ METHODS/ *PHENETHYLAMINES, pharmacodynamics/ REGRESSION ANALYSIS/ STRUCTURE-ACTIVITY RELATIONSHIP

3936. **Tishchenko VK, Didenko LV:** Aktyvnist' proteolitychnykh fermentiv platsenty i deiaki pokaznyky bil'kovoho obminu u vahitnykh z piznimy toksykozamy.
Pediatr Akush Ginekol 1:38-40, 1973 **(Ukr)**
FEMALE/ HUMAN/ KIDNEY DISEASES, enzymology/ *PEPTIDE HYDROLASES, analysis/ *PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY TOXEMIAS, metabolism/ *PROTEINS, metabolism

3937. **Titievskaia VV, Gorbunova VA, Akopiants SM, et al:** Rezul'taty kooperirovannogo klinicheskogo izucheniia protivoopukholevogo antibiotika daktinomitsina.
Antibiotiki 17:953-8, Oct 72 **(Rus)**
ADOLESCENCE/ ADULT/ BLADDER NEOPLASMS, drug therapy/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, radiotherapy/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, drug therapy/ *DACTINOMYCIN, administration & dosage/ DACTINOMYCIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ INFANT/ LARYNGEAL NEOPLASMS, drug therapy/ LARYNGEAL NEOPLASMS, radiotherapy/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, radiotherapy/ MALE/ MELANOMA, drug therapy/ MELANOMA, radiotherapy/ MIDDLE AGE/ NEPHROBLASTOMA, drug therapy/ SARCOMA, RETICULUM CELL, drug therapy/ UTERINE NEOPLASMS, drug therapy

3938. **Tiul'pin IN, Gerasimova EN, Semavin IE, et al:** Ekskretsiia estrogenov i androgenov u muzhchin s koronarnym ateroskleroz om.
Klin Med (Mosk) 50:105-10, Aug 72 **(Rus)**
ADULT/ AGED/ *ANDROSTERONE, urine/ *CORONARY DISEASE, urine/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE

3939. **Tiunina EA:** Vliianie pantotenata kal'tsiia na koru nadpochechnikov u bol'nykh revmatoidnym poliartritom, lechivshikhsia kortikosteroidami.
Klin Med (Mosk) 50:101-5, Aug 72 **(Rus)**
ADRENAL GLAND HYPOFUNCTION, chemically induced/ *ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ *ARTHRITIS, RHEUMATOID, drug therapy/ CALCIUM, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PANTOTHENIC ACID, therapeutic use/ *PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use/ TIME FACTORS

3940. **Tizard JP:** Dr Gee's paediatrics. The Samuel Gee Lecture 1972.
J R Coll Physicians Lond 7:193-206, Apr 73
DIABETES INSIPIDUS, history/ DRUG THERAPY, history/ EDUCATION, MEDICAL, UNDERGRADUATE, history/ EDUCATIONAL MEASUREMENT/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ LONDON/ *PEDIATRICS, history/ RADIOLOGY, history

3941. **Tjaij JK, Sembiring L:** Modified treatment of neonatal tetanus. Paediatr Indones 12:281-8, Jul 72
ANTICONVULSANTS, therapeutic use/ CLINICAL RESEARCH/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, drug therapy/ *INFANT, NEWBORN, DISEASES, therapy/ PREDNISOLONE, therapeutic use/ TETANUS, drug therapy/ *TETANUS, therapy/ TETANUS ANTITOXIN, therapeutic use

3942. **Tkacheva GA:** Morfologicheskie aspekty problemy gipofizarnoi reguliatsii klubochkovoi zony nadpochenika. I. Reaktsiia glomeruliarnykh kletok na AKTG i gipofizektomiiu.
Probl Endokrinol (Mosk) 19:87-91, Jan-Feb 73 **(Rus)**
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, metabolism/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ HYPOPHYSECTOMY/ LIPIDS, metabolism/ LIPOAMIDE DEHYDROGENASE, metabolism/ MALE/ NAD/ *PITUITARY GLAND, physiology/ RATS/ STEROID HYDROXYLASES, metabolism/ SUCCINATE DEHYDROGENASE, metabolism

3943. **Tkaczew AW, Zajczik WE:** Wpływ TSH na wewnątrztarczycową zawartość jodu.
Endokrynol Pol 24:11-9, Jan-Feb 73 **(Pol)**
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ DOGS/ ENGLISH ABSTRACT/ *IODINE, metabolism/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, administration & dosage/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS

3944. **Tobert JA, Slater JD, Fogelman F, et al:** The effect in man of (+)-propranolol and racemic propranolol on renin secretion stimulated by orthostatic stress.
Clin Sci 44:291-5, Mar 73
ADOLESCENCE/ ADULT/ ELECTROCARDIOGRAPHY/ HUMAN/ MALE/ *POSTURE/ *PROPRANOLOL, pharmacodynamics/ RENIN, blood/ *RENIN, secretion/ RESPIRATORY FUNCTION TESTS/ SECRETORY RATE, drug effects/ STEREOISOMERS

3945. **Tochilin VI:** Tekhnika zabora i peresadka shchitovidno-parashchitovidnogo kompleksa bol'nym, stradaiushchim shchitovidno-parashchitovidnoi

nedostatochnost'iu. Klin Khir 9:36-40, Sep 72 (Rus)
ADULT/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, therapy/ *HYPOTHYROIDISM, therapy/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID GLANDS, transplantation/ *THYROID GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS

3946. **Todd JM, Samli MH:** The incorporation of (3 H)glucosamine, (3 H)fucose and (14 C)mannose into protein in the rat anterior pituitary incubated in vitro.
Biochim Biophys Acta 297:11-21, 24 Jan 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CULTURE MEDIA/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ FUCOSE, metabolism/ *GLUCOSAMINE, metabolism/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *MANNOSE, metabolism/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ *PROTEINS, biosynthesis/ PROTEINS, secretion/ PUROMYCIN, pharmacodynamics/ RATS/ TIME FACTORS/ TISSUE CULTURE/ TRITIUM

3947. **Todhunter EN:** Some aspects of the history of dietetics.
World Rev Nutr Diet 18:1-46, 1973
ANEMIA, HYPOCHROMIC, history/ ANEMIA, MACROCYTIC, history/ AVITAMINOSIS, history/ DIET/ *DIET THERAPY, history/ *DIETETICS, history/ ENGLAND/ FOOD ANALYSIS/ GOITER, ENDEMIC, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 15TH CENT./ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MEDIEVAL/ HOSPITAL FOOD SERVICE, history/ HUMAN/ KWASHIORKOR, history/ NUTRITION/ *NUTRITION DISORDERS, history/ NUTRITION DISORDERS, therapy/ UNITED STATES/ VEGETARIANISM

3948. **Todorović M:** Iskustva liječenja holesnika s Werlhofovom holešću u 10-godišnjem razdohiju.
Lijec Vjesn 95:137-40, 1973 (Cro)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PURPURA, THROMBOPENIC, drug therapy/ *PURPURA, THROMBOPENIC, therapy/ RETROSPECTIVE STUDIES/ SPLENECTOMY/ SYNDROME

3949. **Tojyo S, Hayashi K, Osawa E:** [Experimental study on ovulation induction hy cyclofenil (sexovid, F6066), with special reference to its effect on the ovary]
Clin Endocrinol (Tokyo) 21:193-201, Feb 73 (Jap)
ANIMAL EXPERIMENTS/ CLOMIPHENE, pharmacodynamics/ *CYCLOHEXANE, pharmacodynamics/ F 6066, pharmacodynamics/ FEMALE/ GONADOTROPINS, secretion/ *OVARY, drug effects/ *OVULATION, drug effects/ RATS

3950. **Tokuyasu KT:** A technique for ultracryotomy of cell suspensions and tissues. J Cell Biol 57:551-65, May 73
ALDEHYDES/ ANIMAL EXPERIMENTS/ BACILLUS SUBTILIS/ CATTLE/ CEREBRAL CORTEX, cytology/ DROSOPHILA MELANOGASTER/ ERYTHROCYTES, cytology/ ESCHERICHIA COLI/ EVALUATION STUDIES/ FREEZING/ GUINEA PIGS/ *HISTOLOGICAL TECHNICS/ HUMAN/ KIDNEY, cytology/ LIVER, cytology/ MICE/ *MICROTOMY/ MUSCLES, cytology/ PANCREAS, cytology/ RABBITS/ RATS/ SCIATIC NERVE, cytology/ SPLEEN, cytology/ STAINS AND STAINING/ SUCROSE/ SURFACE TENSION/ TESTIS, cytology/ VEGETABLES

3951. **Tolis G, Goldstein M, Friesen HG:** Functional evaluation of prolactin secretion in patients with hypothalamic-pituitary disorders.
J Clin Invest 52:783-8, Apr 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, blood/ ADULT/ AGED/ CHLORPROMAZINE, diagnostic use/ DOPA, diagnostic use/ FEMALE/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ *HYPOPITUITARISM, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ IODINE ISOTOPES/ LH, blood/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ THYROTROPIN RELEASING FACTOR, diagnostic use/ THYROXINE, blood

3952. **Tolwiński T, Bernadska A:** Przypadek zespołu Turnera z zahurzeniami psychicznymi.
Wiad Lek 26:649-53, 1 Apr 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOCHONDRIASIS, complications/ KARYOTYPING/ MIDDLE AGE/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic

3953. **Tomas T, Traczyk WŻ, Guzek JW:** ADH release from cut pituitary stalk and intact pituitary gland during hippocampal stimulation of various frequencies in rats. Neuroendocrinology 11:257-67, 1973
ANIMAL EXPERIMENTS/ AXONS, physiology/ AXOPLASMIC FLOW/ DIURESIS/ ELECTRIC STIMULATION/ *HIPPOCAMPUS, physiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, secretion/ MALE/ NEUROSECRETION/ *PITUITARY GLAND, secretion/ RATS/ *VASOPRESSIN, secretion

3954. **Tömböl T, Szafrańska-Kosmal A:** A golgi study of the amygdaloid complex in the cat.
Acta Neurohiol Exp (Warsz) 32:835-48, 1972
*AMYGDALOID BODY, cytology/ ANIMAL EXPERIMENTS/ AXONS/ CATS/ DENDRITES/ *NEURONS/ OLFACTORY PATHWAYS, cytology/ PERFUSION

3955. **Tomita T, Watanabe H:** Factors controlling myogenic activity in smooth muscle.
Philos Trans R Soc Lond [Biol Sci] 265:73-85, 15 Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ ELECTROPHYSIOLOGY/ FEMALE/ GUINEA PIGS/ KINETICS/ LITHIUM, pharmacodynamics/ *MEMBRANE POTENTIALS, drug effects/ MODELS, BIOLOGICAL/ *MUSCLE CONTRACTION/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ POTASSIUM, metabolism/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ TEMPERATURE

3956. **Tomiyasu U, Hirano A, Zimmerman HM:** Fine structure of human pituitary adenoma.
Arch Pathol 95:287-92, May 73
*ADENOMA, CHROMOPHOBE, pathology/ BIOPSY/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HUMAN/ MICROSCOPY, ELECTRON/ *PITUITARY NEOPLASMS, pathology

3957. **Tomoka MT, Ochoa AG:** Klinische Wirksamkeit des Fluocinonid bei verschiedenen Dermatosen.
Wien Med Wochenschr 123:247-8, 14 Apr 73 (Ger)
CHEMISTRY/ COMPARATIVE STUDY/ *DERMATITIS, drug therapy/ DERMATITIS, CONTACT, drug therapy/ *FLUOCINOLONE ACETONIDE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ NEURODERMATITIS, drug therapy/ PHOTOSENSITIZATION, drug therapy/ ROSACEA, drug therapy/ SEBORRHEA, drug therapy

3958. **Tompkins RK, Kuchenbecker SL:** Relationship of cyclic AMP to secretin stimulation of the pancreas.

J Surg Res 14:172-6, Feb 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BICARBONATES, analysis/ CHLORIDES, analysis/ DOGS/ DRUG COMBINATIONS/ INJECTIONS, INTRAVENOUS/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PANCREATIC JUICE, analysis/ PANCREATIC JUICE, secretion/ SECRETIN, administration & dosage/ *SECRETIN, pharmacodynamics/ THEOPHYLLINE, administration & dosage/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3959. **Tonge S:** Permanent alterations in 5-hydroxyindole concentrations in discrete areas of rat brain produced by the pre- and neonatal administration of methylamphetamine and chlorpromazine.
J Neurochem 20:625-7, Feb 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ *CHLORPROMAZINE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ *INDOLES, metabolism/ MALE/ *METHAMPHETAMINE, pharmacodynamics/ RATS/ SEROTONIN, metabolism

3960. **Tonge SR:** Permanent changes in brain monoamine metabolism induced by the administration of psychotropic drugs during the pre- and neonatal periods in rats.
J Pharm Pharmacol 24:Suppl:149P-150, Dec 72
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CHLORPROMAZINE, pharmacodynamics/ FEMALE/ HYDROXYINDOLEACETIC ACID, analysis/ IMIPRAMINE, pharmacodynamics/ MALE/ METHAMPHETAMINE, pharmacodynamics/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ PHENCYCLIDINE, pharmacodynamics/ PREGNANCY/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism

3961. **Toole BP:** Hyaluronate inhibition of chondrogenesis: antagonism of thyroxine, growth hormone, and calcitonin. Science 180:302-3, 20 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BONE DEVELOPMENT, drug effects/ *CARTILAGE, growth & development/ CARTILAGE, metabolism/ CELL AGGREGATION, drug effects/ CELLS, CULTURED/ CHICK EMBRYO/ COLLAGEN, biosynthesis/ HYALURONIC ACID, antagonists & inhibitors/ *HYALURONIC ACID, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics/ *THYROCALCITONIN, pharmacodynamics/ *THYROXINE, pharmacodynamics

3962. **Topel DG, Weiss GM, Siers DG, et al:** Comparison of blood source and diurnal variation on blood hydrocortisone, growth hormone, lactate, glucose and electrolytes in swine. J Anim Sci 36:531-4, Mar 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ CHLORIDES, blood/ *CIRCADIAN RHYTHM/ *HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ *LACTATES, blood/ POTASSIUM, blood/ SODIUM, blood/ *SOMATOTROPIN, blood/ STRESS, blood/ *SWINE, metabolism

3963. **Toppet M, Wolter R, Smets P, et al:** Variations in the plasma cortisol response to insulin hypoglycemia in children. Acta Paediatr Belg 26:225-40, 1972
ADOLESCENCE/ AGE FACTORS/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, diagnosis/ DIABETES MELLITUS, JUVENILE, diagnosis/ *ENDOCRINE DISEASES, diagnosis/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ *HYPOGLYCEMIA, chemically induced/ HYPOPITUITARISM, diagnosis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INFANT/ INFANT, NEWBORN/ *INSULIN, diagnostic use/ MALE/ METHODS/ OBESITY, physiopathology/ PITUITARY-ADRENAL SYSTEM/ PITUITARY NEOPLASMS, diagnosis

3964. **Torda C:** Cyclic AMP-dependent diphosphoinositide kinase. Biochim Biophys Acta 286:389-95, 29 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ BRAIN, enzymology/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/ GEL FILTRATION/ MALE/ PHOSPHOINOSITIDES/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, isolation & purification/ *PHOSPHOTRANSFERASES, metabolism/ POLYSACCHARIDES/ PROTEIN BINDING/ RATS/ TRITIUM

3965. **Torii T:** [A study on fluorescent barr body (X-chromatin) and fluorescent body (Y-chromatin) staining with quinacrine]
Jap J Urol 63:1016-38, Dec 72 (Jap)
ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENT DYES/ HUMAN/ KARYOTYPING/ MALE/ *QUINACRINE/ *SEX CHROMATIN

3966. **Torisu T, Watanabe H:** Pigmented villonodular synovitis occurred in a rheumatoid patient. A case report. Clin Orthop 91:134-40, Mar-Apr 73
ANKLE, radiography/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, pathology/ ARTHRITIS, RHEUMATOID, radiography/ CASE REPORT/ FEMALE/ HAND, radiography/ HUMAN/ KNEE, radiography/ *KNEE JOINT/ MIDDLE AGE/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, radiography/ *PIGMENTATION/ SYNOVIAL MEMBRANE, pathology/ *SYNOVITIS, complications/ SYNOVITIS, pathology/ SYNOVITIS, radiography

3967. **Török L, Czakó F:** Del Castillo-syndroma társulása diabetes mellitussal.
Orv Hetil 114:923-4, 22 Apr 73 (Hun)
ADULT/ *DIABETES MELLITUS, complications/ HUMAN/ *HYPOGONADISM, complications/ MALE/ MIDDLE AGE/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ *TESTICULAR DISEASES, complications

3968. **Török L, Czakó F:** Del Castillo-Syndrom kombiniert mit Diabetes mellitus.
Andrologie 4:263-7, 1972 (Ger)
ADULT/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, pathology/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGONADISM, complications/ HYPOGONADISM, pathology/ MALE/ MIDDLE AGE/ *STERILITY, MALE, complications/ *TESTICULAR DISEASES, complications/ TESTICULAR DISEASES, pathology/ TESTIS, pathology

3969. **Torres-Zamora M, López-Uriarte A, Lisci-Garmilla A, et al:** Efectos de la administracion de alfa-aminoglutetimida en un paciente con diabetes insipida hipofisiaria.
Arch Invest Med (Mex) 3:481-90, 1972 (Spa)
ADMINISTRATION, ORAL/ ADULT/ *AMINOGLUTETHIMIDE, administration & dosage/ AMINOGLUTETHIMIDE, therapeutic use/ CORTISONE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ *DIURESIS, drug effects/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, biosynthesis/ HUMAN/ MALE/ NATRIURESIS, drug effects/ OSMOLAR CONCENTRATION/ POTASSIUM, urine

3970. **Tow WS:** Radioimmunoassay follow-up of hydatidiform mole. Br Med J 2:49, 7 Apr 73
CHORIOCARCINOMA, surgery/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, mortality/

*HYDATIDIFORM MOLE, surgery/ *HYSTERECTOMY

3971. **Townshend MM, Smith AJ:** Factors influencing the urinary excretion of free catecholamines in man. Clin Sci 44:253-65, Mar 73
ADULT/ AMMONIUM CHLORIDE, pharmacodynamics/ *CIRCADIAN RHYTHM/ DIURESIS/ DIURETICS, pharmacodynamics/ *EPINEPHRINE, urine/ EXERTION/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KIDNEY, blood supply/ MALE/ MYOCARDIAL INFARCT, urine/ NATRIURESIS/ *NOREPINEPHRINE, urine/ PHEOCHROMOCYTOMA, blood/ *POSTURE/ POTASSIUM, urine/ *SLEEP/ SODIUM, urine

3972. **Toyoshima S, Fukuda M, Osawa T:** The presence of -mannosidic linkage in acidic glycopeptide from porcine thyroglobulin.
Biochem Biophys Res Commun 51:945-50, 16 Apr 73
CHROMATOGRAPHY/ *GLYCOPROTEINS, analysis/ *GLYCOSIDES, analysis/ *MANNOSE, analysis/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ SWINE/ *THYROGLOBULIN, analysis

3973. **Treadow BR, Khairallah EA:** Regulation of phospho-enol-pyruvate carboxykinase during starvation and glucose repression.
Nature [New Biol] 239:131-3, 4 Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARBOXY-LYASES, biosynthesis/ CYCLOHEXIMIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENZYME INDUCTION/ GLUCOSE, antagonists & inhibitors/ *GLUCOSE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, biosynthesis/ PROTEINS, biosynthesis/ RATS/ *STARVATION, enzymology/ TRITIUM/ TRYPTOPHAN, pharmacodynamics/ VALINE, metabolism

3974. **Tree M:** Measurement of plasma renin-substrate in man. J Endocrinol 56:159-71, Feb 73
ADDISON'S DISEASE, blood/ ADULT/ *ALPHA GLOBULIN, analysis/ ANGIOTENSIN, blood/ *ANGIOTENSIN AMIDE, blood/ ANGIOTENSINASE, antagonists & inhibitors/ CENTRIFUGATION/ CHROMATOGRAPHY, ION EXCHANGE/ EDTA/ FEMALE/ FREEZING/ HUMAN/ MALE/ METHODS/ NEPHROTIC SYNDROME, blood/ PHENANTHROLINES/ PREGNANCY/ RADIOIMMUNOASSAY/ RENIN

3975. **Trell E, Rausing A, Ripa J, et al:** Carcinoid heart disease. Clinicopathologic findings and follow-up in 11 cases. Am J Med 54:433-44, Apr 73
ADULT/ AGED/ ELECTROCARDIOGRAPHY/ FEMALE/ FOLLOW-UP STUDIES/ HEART CATHETERIZATION/ HEART VALVE DISEASES, diagnosis/ HUMAN/ INTESTINAL NEOPLASMS, diagnosis/ MALE/ *MALIGNANT CARCINOID SYNDROME, diagnosis/ MALIGNANT CARCINOID SYNDROME, mortality/ MALIGNANT CARCINOID SYNDROME, pathology/ MALIGNANT CARCINOID SYNDROME, surgery/ MIDDLE AGE/ MYOCARDIUM, pathology/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ PHONOCARDIOGRAPHY/ PROGNOSIS

3976. **Treves S, Crigler JF Jr:** Diagnostic use of iodine 131 in children. Safety and utility compared to other tests.
Pediatrics 51:929-30, May 73
CHILD/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC/ IODINE ISOTOPES, DIAGNOSTIC, adverse effects/ RADIATION EFFECTS/ RADIATION INJURIES/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, diagnosis/ THYROID GLAND, radiation effects/ THYROID NEOPLASMS, etiology

3977. **Treviño-Becerra A, Hernández del Río A, Bárcena-Villegas JA, et al:** Centelleografía ósea con estroncioa 85. Una nueva aplicatión del método en el estudio de pacientes con osteodistrofia renal.
Arch Invest Med (Mex) 3:491-502, 1972 **(Spa)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ METHODS/ *RADIOISOTOPE SCANNING/ *RENAL OSTEODYSTROPHY, diagnosis/ RENAL OSTEODYSTROPHY, etiology/ *STRONTIUM ISOTOPES

3978. **Triandaf I, Ungureanu G, Pencea V, et al:** Modificările hemodinamice ale inimii în hipertiroidie.
Stud Cercet Endocrinol 24:203-9, 1973 **(Rum)**
ADOLESCENCE/ ADULT/ AGED/ ARTERIOSCLEROSIS, etiology/ BLOOD PRESSURE/ CARDIAC OUTPUT/ CHILD/ CORONARY DISEASE, etiology/ *HEART, physiopathology/ HEART RATE/ *HEMODYNAMICS/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, physiopathology/ MIDDLE AGE

3979. **Tribe AE, Malone DN, Grant IW:** The substitution of corticotrophin for corticosteroid in the treatment of children and adults with chronic asthma.
Aust NZ J Med 3:6-13, Feb 73
ADOLESCENCE/ ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ ASTHMA, blood/ *ASTHMA, drug therapy/ ASTHMA, physiopathology/ CHILD/ CHRONIC DISEASE/ COMPARATIVE STUDY/ *CORTICOTROPIN, therapeutic use/ FEMALE/ GROWTH DISORDERS, chemically induced/ GROWTH DISORDERS, drug therapy/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMUS, physiopathology/ INSULIN, diagnostic use/ MALE/ MIDDLE AGE/ PITUITARY GLAND, physiopathology/ PREDNISOLONE, adverse effects/ *PREDNISOLONE, therapeutic use

3980. **Trommer F, Mehnert E:** Nitrat- und Nitribestimmungen im Blutserum von Rindern mit Weidetetanie.
Monatsh Vet Med 28:62-4, 15 Jan 73 **(Ger)**
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, blood/ ENGLISH ABSTRACT/ FEMALE/ NITRATES, blood/ NITRITES, blood/ TETANY, blood/ *TETANY, veterinary

3981. **Truhaut R, Fujita M, Nguyen-Phu-Lich, et al:** Etude des transformations métaboliques du zinèbe (éthylénebisdithiocarbamate de zinc) chez le rat.
C R Acad Sci [D] (Paris) 276:229-33, 8 Jan 73 **(Fre)**
ANIMAL EXPERIMENTS/ CARBON DISULFIDE, metabolism/ CHEMISTRY, ANALYTICAL/ FEMALE/ *FUNGICIDES, INDUSTRIAL, metabolism/ INDICATORS AND REAGENTS/ MALE/ RATS/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ SULFUR, urine/ *THIOCARBAMATES, metabolism/ THIOUREA, toxicity/ THIOUREA, urine/ *ZINC, metabolism/ ZINEB, metabolism

3982. **Trujillo JL, Gan JC:** Glycoprotein biosynthesis. 3. Pool sizes of glucosamine intermediates in the bovine thyroid gland.
Biochim Biophys Acta 286:330-8, 29 Dec 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ *GLUCOSAMINE, metabolism/ *GLYCOPROTEINS, biosynthesis/ HEXOSAMINES, analysis/ NEURAMINIC ACIDS, analysis/ NUCLEOSIDE DIPHOSPHATE SUGARS, analysis/ THYROID GLAND, analysis/ *THYROID GLAND, metabolism

3983. **Trujillo JL, Gan JC:** Glycoprotein biosynthesis. VI. Regulation of uridine diphosphate N-acetyl-D-glucosamine metabolism in bovine thyroid gland slices.
Biochim Biophys Acta 304:32-41, 30 Mar 73
ACETIC ACIDS, metabolism/ ACETIC ACIDS, pharmacodynamics/ AMINOTRANSFERASES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ DIAZOOXONORLEUCINE, pharmacodynamics/ FEEDBACK/ FRUCTOSE, metabolism/ FRUCTOSEPHOSPHATES/ GLUCOSAMINE, metabolism/ GLUCOSAMINE,

pbarmacodynamics/ GLUTAMINE/ *GLYCOPROTEINS, biosyntbesis/ IN VITRO/ PUROMYCIN, pharmacodynamics/ THYROGLOBULIN, biosynthesis/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ *URIDINE DIPHOSPHATE SUGARS, metabolism/ URIDINE DIPHOSPHATE SUGARS, pharmacodynamics

3984. **Truswell AS:** Serum alkaline pbosphatase and rickets in urban schoolchildren. Br Med J 1:677, 17 Mar 73
*ALKALINE PHOSPHATASE, blood/ CHILD/ ENGLAND/ ETHNIC GROUPS/ FEMALE/ HUMAN/ *VITAMIN D DEFICIENCY, enzymology

3985. **Trygstad O:** Vekstforstyrrelser hos barn og muligheter for bebandling.
Tidsskr Nor Laegeforen 93:520-3, 20 Mar 73 (Nor)
ADOLESCENCE/ AGE FACTORS/ BODY HEIGHT/ BONE DISEASES, DEVELOPMENTAL, complications/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABNORMALITIES/ CUSHING'S SYNDROME, complications/ DIABETES MELLITUS, JUVENILE, complications/ DWARFISM, PITUITARY/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS/ HUMAN/ HYPOTHYROIDISM, complications/ INFANT/ MALE/ MATERNAL DEPRIVATION/ MENTAL RETARDATION, complications/ METABOLISM, INBORN ERRORS, complications/ NUTRITION DISORDERS, complications

3986. **Tsai A, Lindheimer MD, Lamberg SI:** Dermatomyositis complicating pregnancy.
Obstet Gynecol 41:570-3, Apr 73
ADULT/ *DERMATOMYOSITIS, complications/ DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT, NEWBORN/ ISONIAZID, tberapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ PHYSICAL THERAPY/ PREDNISONE, tberapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ THYROID HORMONES, therapeutic use/ URINARY TRACT INFECTIONS, complications

3987. **Tsang RC, Light IJ, Sutherland JM, et al:** Possible patbogenetic factors in neonatal hypocalcemia of prematurity. The role of gestation, byperpbosphatemia, bypomagnesemia, urinary calcium ioss, and parathormone responsiveness.
J Pediatr 82:423-9, Mar 73
ACIDOSIS, RESPIRATORY, complications/ ASPHYXIA NEONATORUM, complications/ CALCIUM, blood/ CALCIUM, urine/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYPOCALCEMIA, etiology/ INFANT, NEWBORN/ *INFANT, PREMATURE, DISEASES, etiology/ MAGNESIUM, blood/ MAGNESIUM, urine/ MALE/ *PARATHYROID GLANDS, physiopatbology/ PARATHYROID HORMONE, diagnostic use/ PHOSPHATES, blood/ RESPIRATORY DISTRESS SYNDROME, complications

3988. **Tsung PK, Weissmann G:** Inhibitor of adenosine 3',5'-monophospbate binding and protein kinase activity in leucocyte lysosomes.
Biocbem Biophys Res Commun 51:836-42, 16 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BLOOD PROTEINS, metabolism/ CATTLE/ HUMAN/ HYDROLASES/ *LEUKOCYTES, cytology/ *LYSOSOMES, enzymology/ *NEUTROPHILS, enzymology/ *PHOSPHOTRANSFERASES, antagonists & inhibitors/ PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING, drug effects/ TISSUE EXTRACTS, antagonists & inhibitors/ TISSUE EXTRACTS, pharmacodynamics

3989. **Tuchmann-Duplessis H:** Retentissement de certains neuroleptiques sur la sphère hypophyso-génitale.
Bull Acad Natl Med (Paris) 156:536-40, 6 Jun 72 (Fre)
ANIMAL EXPERIMENTS/ *GONADS, drug effects/ HALOPERIDOL, pharmacodynamics/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *MAMMAE, drug effects/ PYRROLIDINES, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SULFONAMIDES, pharmacodynamics/ *TRANQUILIZING AGENTS, pharmacodynamics

3990. **Tugaye A, Deuil R:** Les bypoglycémies organo-fonctionnelles non tumorales.
Rev Prat 22:3409-25, 1 Oct 72 (Fre)
ADDISON'S DISEASE, complications/ ADRENAL GLAND HYPOFUNCTION, complications/ CHRONIC DISEASE/ DUODENAL ULCER, complications/ HYPOGLYCEMIA, etiology/ HYPOGLYCEMIA, physiopatbology/ HYPOPITUITARISM, complications/ LIVER DISEASES, complications/ PANCREATITIS, complications/ POSTGASTRECTOMY SYNDROMES, complications/ SPECIAL LIST FOREIGN

3991. **Tumilovich LG:** Vrozbdennyi adreno-genital'nyi sindrom. Akusb Ginekol (Mosk) 49:58-62, Jan 73 (Rus)
*ADRENOGENITAL SYNDROME, congenital/ ADRENOGENITAL SYNDROME, diagnosis/ ADRENOGENITAL SYNDROME, drug therapy/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLUCOCORTICOIDS, tberapeutic use/ HUMAN/ STEIN-LEVENTHAL SYNDROME, diagnosis

3992. **Tuomisto J, Männistö P:** Amine uptake and tbyrotropin-releasing hormone.
Lancet 1:836, 14 Apr 73
*AMINES, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, metabolism/ DEPRESSION, drug therapy/ RABBITS/ RATS/ SYNAPTOSOMES, metabolism/ *THYROTROPIN RELEASING FACTOR, therapeutic use

3993. **Turakulov IaKh, Mirakhmedov MM, Khamidov DKh, et al:** Issledovanie poglosbcbeniia ioda-131 shchitovidnoĭ zbelezoĭ i uroven' sviazannogo s belkami ioda v krovi pri razvitii tsirroza pecheni.
Probl Endokrinol (Mosk) 19:65-9, Jan-Feb 73 (Rus)
ALKALOIDS/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS/ BUTYRATES/ ENGLISH ABSTRACT/ IODINE, blood/ *IODINE, metabolism/ IODINE ISOTOPES/ LIVER CIRRHOSIS, EXPERIMENTAL, chemically induced/ *LIVER CIRRHOSIS, EXPERIMENTAL, metabolism/ MALE/ PROTEIN BINDING/ RATS/ *THYROID GLAND, metabolism

3994. **Turcotte JG, Feduska NJ, Haines RF, et al:** Antithymocyte globulin in renal transplant krecipients. A clinical trial.
Arch Surg 106:484-8, Apr 73
*ANTILYMPHOCYTE SERUM/ AZATHIOPRINE, tberapeutic use/ BASEMENT MEMBRANE/ BLOOD PROTEINS/ CADAVER/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ GLYCINE/ *GRAFT REJECTION/ HEMAGGLUTINATION TESTS/ HEMOLYSINS/ HORSES, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ *KIDNEY, transplantation/ *T-LYMPHOCYTES, immunology/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES/ TRANSPLANTATION, HOMOLOGOUS/ ULTRACENTRIFUGATION

3995. **Turgeon J, Barraclough CA:** Temporal patterns of LH release following graded preoptic electrocbemical stimulation in proestrous rats.
Endocrinology 92:755-61, Mar 73
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ESTRUS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *LH, blood/ *PENTOBARBITAL, pharmacodynamics/ PITUITARY GLAND, drug effects/

*PITUITARY GLAND, physiology/ RADIOIMMUNOASSAY/ RATS

3996. **Turinsky J:** Study on plasma cyclic nucleotide concentrations in fasting rats.
Proc Soc Exp Biol Med 142:1189-91, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ *FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ MALE/ RATS

3997. **Turkevich NM, Akimova RN, Gorevaia AN, et al:** Gormonal'nye narusheniia u hol'nykh disgormonal'nymi giperplaziiami molochnykh zhelez.
Vopr Onkol 19:31-5, 1973 (Rus)
ACRODYNIA, physiopathology/ ACRODYNIA, urine/ ADULT/ ANDROSTERONE, secretion/ ANDROSTERONE, urine/ *BREAST DISEASES, physiopathology/ BREAST DISEASES, urine/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, secretion/ GONADOTROPINS, urine/ HEPATITIS, physiopathology/ HEPATITIS, urine/ HEPATITIS, TOXIC, physiopathology/ HEPATITIS, TOXIC, urine/ HUMAN/ 17-KETOSTEROIDS, secretion/ 17-KETOSTEROIDS, urine/ MENSTRUATION/ MIDDLE AGE/ *PITUITARY GLAND, secretion/ STRESS, PSYCHOLOGICAL, physiopathology/ STRESS, PSYCHOLOGICAL, urine/ *THYROID GLAND, secretion

3998. **Turner JM, Coroneos NJ, Gibson RM, et al:** The effect of althesin on intracranial pressure in man.
Br J Anaesth 45:168-72, Feb 73
ANESTHESIA, GENERAL/ *ANESTHETICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRAIN NEOPLASMS, complications/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INTRACRANIAL PRESSURE, drug effects/ *KETONES, pharmacodynamics/ NEUROSURGERY/ *PREGNANES, pharmacodynamics/ PULSE, drug effects

3999. **Turner P:** Oxprenolol in thyrotoxicosis.
Lancet 813:1196, 23 May 73
HUMAN/ *HYPERTHYROIDISM, drug therapy

4000. **Turner RW, Williamson J:** Adenocarcinoma of the rete testis: report of a case.
J Urol 109:850-1, May 73
*ADENOCARCINOMA, PAPILLARY, diagnosis/ ADENOCARCINOMA, PAPILLARY, pathology/ ADENOCARCINOMA, PAPILLARY, surgery/ AGED/ CASTRATION/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TESTIS, pathology

4001. **Turovets IG, Vovk BE, Korvatskii BG, et al:** Fibrinstabilizirulushchii faktor XIII--fibrinaza i ego znachenie v khirurgicheskom klinike.
Klin Khir 1:50-4, Nov 72 (Rus)
*FACTOR XIII, analysis/ GALLBLADDER DISEASES, blood/ GASTROINTESTINAL DISEASES, blood/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ JAUNDICE, OBSTRUCTIVE, blood/ PANCREATIC DISEASES, blood/ *SURGERY, OPERATIVE

4002. **Turpie AG, Chernesky MA, Larke RP, et al:** Effect of Newcastle disease virus on human or rabbit platelets. Aggregation and loss of constituents.
Lab Invest 28:575-83, May 73
ADENINE NUCLEOTIDES, blood/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS/ BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, metabolism/ BLOOD PLATELETS, secretion/ CHROMATOGRAPHY/ CREATINE KINASE, pharmacodynamics/ CYTOPLASMIC GRANULES/ EDTA, pharmacodynamics/ HEMAGGLUTINATION, VIRAL/ HUMAN/ LACTATE DEHYDROGENASE, blood/ METHODS/ *NEWCASTLE DISEASE VIRUS/ PHENYLBUTAZONE, blood/ PHOSPHOCREATINE, pharmacodynamics/ PHOSPHORUS ISOTOPES/ *PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SEROTONIN/ SULFINPYRAZONE, pharmacodynamics/ SWINE/ THROMBOPENIA, etiology/ TIME FACTORS

4003. **Turtle JR:** Systemic corticosteroid therapy.
Med J Aust 2:1251-6, 25 Nov 72
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND DISEASES, congenital/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ ASTHMA, drug therapy/ CHILD/ CHRONIC DISEASE/ COLLAGEN DISEASES, drug therapy/ CORTICOTROPIN, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ GROWTH DISORDERS, chemically induced/ HUMAN/ HYPOPITUITARISM, drug therapy/ OSTEOPOROSIS, chemically induced/ PEPTIDES, therapeutic use/ RHEUMATIC FEVER, drug therapy/ SARCOIDOSIS, drug therapy

4004. **Tyler FH:** Adrenocortical response to ACTH in Addison's disease.
N Engl J Med 288:854-5, 19 Apr 73
*ADDISON'S DISEASE, metabolism/ *ADRENAL GLANDS, drug effects/ CORTICOTROPIN, blood/ *CORTICOTROPIN, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ STIMULATION, CHEMICAL

4005. **Tyminska K, Kuch J, Ceremuzynski L:** Eliminazione urinaria dei 17-idrossicorticosteroidi nell'insufficienza circolatoria cronica.
Minerva Med 64:408-11, 24 Feb 73 (Ita)
ADULT/ AGED/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ *HEART FAILURE, CONGESTIVE, urine/ HEART VALVE DISEASES, urine/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ HYPERTENSION, urine/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PULMONARY HEART DISEASE, urine/ RHEUMATIC HEART DISEASE, urine

U

4006. **Udale RW, Siegel PB, Van Krey HP:** Rates of ovulation and oviposition in growth selected lines of chickens.
Poult Sci 51:2098-100, Nov 72
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHICKENS, growth & development/ *CHICKENS, physiology/ EGGS/ FEMALE/ GRAAFIAN FOLLICLE, anatomy & histology/ *OVULATION

4007. **Udenfriend S, Bartl P:** The Roche Institute of Molecular Biology.
Fed Proc 32:1438-40, Apr 73
*ACADEMIES AND INSTITUTES/ BIOCHEMISTRY/ ENDOCRINOLOGY/ ENZYMES/ IMMUNOLOGY/ LABORATORIES/ *MOLECULAR BIOLOGY/ NEUROPHYSIOLOGY/ NEW JERSEY/ PHARMACOLOGY/ PROTEINS, biosynthesis/ RESEARCH/ TRAINING SUPPORT/ VIROLOGY

4008. **Ueck M:** Fluoreszenzmikroskopische und elektronmikroskopische Untersuchungen am Pinealorgan verschiedener Vogelarten.
Z Zellforsch Mikrosk Anat 137:37-62, 9 Feb 73 (Ger)
ANIMAL EXPERIMENTS/ *BIRDS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ *CHICKENS/ CILIA/ CYTOPLASMIC GRANULES/ DARKNESS/ DOPA/ *DUCKS/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FLUORESCENCE/ FLUOROMETRY/ HISTOLOGY, COMPARATIVE/ LIGHT/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MITOCHONDRIA/ PHOTORECEPTORS,

cytology/ *PIGEONS/ PINEAL BODY, analysis/ *PINEAL BODY, cytology/ *QUAIL/ *SEROTONIN, analysis

4009. **Ueda G, Hamanaka N, Hayakawa K, et al:** Clinical, histochemical, and hiochemical studies of an ovarian dysgerminoma with trophoblasts and Leydig cells.
Am J Obstet Gynecol 114:748-54, 15 Nov 72
ANDROSTERONE, urine/ CHILD/ DISGERMINOMA, enzymology/ DISGERMINOMA, pathology/ DISGERMINOMA, pathology/ EOSINOPHILS/ ESTROGENS, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYLASES, metabolism/ *LEYDIG CELLS/ LYASES, metaholism/ MONOAMINE OXIDASE, metaholism/ OVARIAN NEOPLASMS, enzymology/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, pathology/ OXIDOREDUCTASES, metaholism/ PREGNANEDIOL, urine/ RADIOIMMUNOASSAY/ *TROPHOBLAST/ TROPHOBLAST, enzymology

4010. **Uehleke H, Hellmer KH, Tabarelli S:** Binding of 14 C-carhon tetrachloride to microsomal proteins in vitro and formation of CHC1 3 hy reduced liver microsomes. Xenohiotica 3:1-11, Jan 73
ANAEROBIOSIS/ CARBON ISOTOPES/ CARBON MONOXIDE, pharmacodynamics/ *CARBON TETRACHLORIDE, metabolism/ *CHLOROFORM, metabolism/ CYSTAMINE, pharmacodynamics/ CYTOCHROME P-450, metaholism/ EDTA, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ FREON, pharmacodynamics/ GALLIC ACID, pharmacodynamics/ GLUTATHIONE, pharmacodynamics/ IN VITRO/ KINETICS/ METYRAPONE, pharmacodynamics/ *MICROSOMES, LIVER, metaholism/ NADP/ OXIDATION-REDUCTION/ PROTEIN BINDING/ *PROTEINS, metaholism/ RABBITS/ SPECTROPHOTOMETRY

4011. **Uehlinger E:** Pathogenese und Struktur der Systemerkrankungen des Skeletts.
Radiologe 13:88-93, Mar 73 (Ger)
ACROMEGALY, complications/ AGED/ BIOPSY/ *BONE DISEASES, pathology/ BONE RESORPTION/ CALLUS/ CHILD/ CUSHING'S SYNDROME, complications/ FEMALE/ FRACTURES, etiology/ HUMAN/ HYPERTHYROIDISM, complications/ ILIUM/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, pathology/ RIBS/ SEX FACTORS/ SPINAL DISEASES

4012. **Ueki S, Ogawa N, Watanabe S, et al:** [Psychopharmacological effects of doxepin hydrochloride]
Folia Pharmacol Jap 68:716-61, Nov 72 (Jap)
AMITRIPTYLINE, pharmacodynamics/ AMPHETAMINE, antagonists & inhihitors/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BLEPHAROPTOSIS, chemically induced/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ CATALEPSY, chemically induced/ CONVULSIONS, chemically induced/ DIBENZOXEPINS, administration & dosage/ *DIBENZOXEPINS, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ EPINEPHRINE, metaholism/ ESCAPE REACTION, drug effects/ FEMALE/ IMIPRAMINE, pharmacodynamics/ MALE/ MICE/ MOTION PERCEPTION, drug effects/ MOTOR ACTIVITY, drug effects/ RATS/ RESERPINE, antagonists & inhihitors/ SEROTONIN, metaholism/ SLEEP, drug effects/ TETRABENAZINE, antagonists & inhihitors/ VOMITING, chemically induced

4013. **Ueno Y:** A new biological index of radiosensitivity of individual mice in a closed colony.
Int J Biometeorol 16:361-5, Dec 72
ANIMAL EXPERIMENTS/ *HOUSING, ANIMAL/ MALE/ MICE/ ORGAN WEIGHT/ *RADIATION EFFECTS/ SPLEEN, cytology/ *SPLEEN, radiation effects/ TESTIS, anatomy & histology/ *TESTIS, radiation effects

4014. **Ulanova LN:** Metodika opredeienlia standartov polovogo sozrevaniia po sochetaniiam vtorichnykh priznakov. Vopr Okhr Materin Det 17:83, Oct 72 (Rus)
ADOLESCENCE/ *ANTHROPOMETRY/ CHILD/ FEMALE/ HUMAN/ MALE/ *PSYCHOSEXUAL DEVELOPMENT/ PUBERTY

4015. **Ulmeanu F, Neacşu C:** Relatii endocrino-metaholice ale sistemului neuromuscular la sportivi în cursul ohoselii.
Fiziol Norm Patol 18:495-506, Nov-Dec 72 (Rum)
ADENOSINE TRIPHOSPHATE, metaholism/ CATECHOLAMINES, metaholism/ ELECTROLYTES, metaholism/ *ENDOCRINE GLANDS, physiopathology/ EXERTION/ *FATIGUE, physiopathology/ HUMAN/ NEUROMUSCULAR JUNCTION, physiology/ *NEUROMUSCULAR JUNCTION, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ REST/ *SPORTS

4016. **Underwood PA:** Herpes simplex infection of HEp-2 and L-929 cells: 5 measurements of lysosomal activity.
Microhios 6:101-20, Sep-Oct 72
ACID PHOSPHATASE, analysis/ CARCINOMA, EPIDERMOID/ CELL FRACTIONATION/ CELL LINE, drug effects/ CELL LINE, enzymology/ *CELL LINE, microbiology/ CYTOPATHOGENIC EFFECT, VIRAL/ DEXAMETHASONE, pharmacodynamics/ *HERPESVIRUS HOMINIS/ HISTOCYTOCHEMISTRY/ HUMAN/ L CELLS, drug effects/ L CELLS, enzymology/ *L CELLS, microhiology/ LARYNGEAL NEOPLASMS/ *LYSOSOMES, enzymology/ STAINS AND STAINING

4017. **Unger WP, Nethercott JR:** Epidermolysis hullosa dystrophica treated with vitamin E and oral corticosteroids. Can Med Assoc J 108:1136-8, 5 May 73
ADMINISTRATION, ORAL/ ANTIBIOTICS, therapeutic use/ BLISTER/ CHILD/ DRUG COMBINATIONS/ EPIDERMOLYSIS BULLOSA, complications/ *EPIDERMOLYSIS BULLOSA, drug therapy/ EVALUATION STUDIES/ HUMAN/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ SEPTICEMIA, complications/ SKIN DISEASES, INFECTIOUS, complications/ SKIN DISEASES, INFECTIOUS, drug therapy/ VITAMIN E, administration & dosage/ *VITAMIN E, therapeutic use

4018. **Urban J:** Badania kliniczne i hiochemiczne nad zastosowaniem hiokowania beta receptorów układu adrenergicznego w indukcji i stymulacji porodu.
Ginekol Pol 44:319-20, Mar 73 (Pol)
ADENYL CYCLASE, metaholism/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ FEMALE/ HUMAN/ *LABOR, INDUCED/ MUSCLE CONTRACTION, drug effects/ PHOSPHODIESTERASES, metaholism/ PREGNANCY/ PROPRANOLOL, pharmacodynamics/ UTERUS, enzymology

4019. **Urbano U:** Il tumore dei seni endodermici o mesonefroma secondo Schiller.
Tumori 58:373-88, Nov-Dec 72 (Ita)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC NEOPLASMS/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENOPAUSE/ MESONEPHROMA, diagnosis/ *MESONEPHROMA, pathology/ MESONEPHROMA, surgery/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ PUBERTY

4020. **Urist MR:** A hone morphogenetic system in residues of bone matrix in the mouse.
Clin Orthop 91:210-20, Mar-Apr 73
ALCOHOL, METHYL/ ANIMAL EXPERIMENTS/ *BONE AND BONES, cytology/ *BONE DEVELOPMENT/ *BONE MATRIX/ BONE MATRIX, enzymology/ BONE

MATRIX, transplantation/ CALCIUM CHLORIDE/ CHELATING AGENTS/ CHLOROFORM/ COLLAGEN, metabolism/ EDTA/ HYDROCHLORIC ACID/ MICE/ MORPHOGENESIS/ MUSCLES, surgery/ *OSSIFICATION, PHYSIOLOGIC/ PHOSPHORIC ACIDS/ POLYSACCHARIDES/ PROTEINS, metabolism/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS

4021. Ursell W, Brudenell M, Chard T: Placental lactogen levels in diabetic pregnancy. Br Med J 2:80-2, 14 Apr 73
BODY WEIGHT/ FEMALE/ FETUS/ HUMAN/ INSULIN, administration & dosage/ ORGAN WEIGHT/ PLACENTA/ PLACENTA DISORDERS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY IN DIABETES, blood/ TIME FACTORS

4022. Usviattsev IaA, Zagorodniuk LF: Metastaz gepatotselliuliarnogo raka v gipofiz s khromofobnoĭ adenomoĭ i opukholevala emboliia legochnoĭ arterii. Vrach Delo 10:94-6, Oct 72 (Rus)
*ADENOMA, CHROMOPHOBE/ AGED/ CASE REPORT/ *HEPATOMA/ HUMAN/ *LIVER NEOPLASMS/ *LUNG NEOPLASMS/ MALE/ *NEOPLASM METASTASIS/ *NEOPLASMS, MULTIPLE PRIMARY/ *PULMONARY EMBOLISM

4023. Utian WH: Septic abortion and septic shock. S Afr Med J 47:639, 21 Apr 73
*ABORTION, SEPTIC, surgery/ *CASTRATION, adverse effects/ FEMALE/ HUMAN/ HYSTERECTOMY/ PREGNANCY/ *SHOCK, TOXIC, therapy

4024. Utian WH: Comparative trial of P1496, a new non-steroidal oestrogen analogue. Br Med J 1:579-81, 10 Mar 73
ALKALINE PHOSPHATASE, blood/ BLOOD PRESSURE/ BODY WEIGHT/ CALCIUM, blood/ CASTRATION/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ DYSPAREUNIA, chemically induced/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ HEMATOCRIT/ HUMAN/ HYSTERECTOMY/ IODINE, blood/ *LACTONES, pharmacodynamics/ MIDDLE AGE/ NAUSEA, chemically induced/ PHOSPHORUS, blood/ PROTEIN BINDING/ *RESORCINOL, pharmacodynamics/ VAGINA, drug effects/ VAGINAL SMEARS

4025. Utian WH: Menopause, hormones and ageing. S Afr Med J 47:716, 5 May 73
*AGING, drug effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ PLACEBOS

4026. Uyeda K, Nakayasu K, Takaishi Y, et al: Kaposi sarcoma-like granuloma on diaper dermatitis. A report of five cases. Arch Dermatol 107:605-7, Apr 73
DIAGNOSIS, DIFFERENTIAL/ *DIAPER RASH, complications/ DIAPER RASH, drug therapy/ FEMALE/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ GRANULOMA, complications/ *GRANULOMA, diagnosis/ GRANULOMA, drug therapy/ HUMAN/ INFANT/ MALE/ MONILIASIS, complications/ MONILIASIS, drug therapy/ PHYTONADIONE, therapeutic use/ *SARCOMA, KAPOSI'S, diagnosis/ SKIN DISEASES, complications/ *SKIN DISEASES, diagnosis/ SKIN DISEASES, drug therapy/ *SKIN NEOPLASMS, diagnosis/ TRICHOMYCIN, therapeutic use

4027. Uzunov P, Shein HM, Weiss B: Cyclic AMP phosphodiesterase in cloned astrocytoma cells: norepinephrine induces a specific enzyme form. Science 180:304-6, 20 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ASTROCYTOMA, enzymology/ CELL LINE/ CLONE CELLS/ CYCLOHEXIMIDE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ *PHOSPHODIESTERASES, biosynthesis/ PROPRANOLOL, pharmacodynamics/ RATS

V

4028. Vaccarezza JR, Ruiz DC: Investigation of the urinary metabolite of the catecholamines in symptomatic and asymptomatic asthma patients. Ann Allergy 31:178-81, Apr 73
*ADRENAL MEDULLA, physiopathology/ ADULT/ *ASTHMA, metabolism/ EPINEPHRINE, metabolism/ HUMAN/ NOREPINEPHRINE, metabolism/ *VANILMANDELIC ACID, urine

4029. Vague J: Le traitement médical et les indications thérapeutiques de l'hyperthyroidie. Can Med 13:1257-62, 30 Dec 72 (Fre)
AGE FACTORS/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, surgery/ GOITER, EXOPHTHALMIC, therapy/ GOITER, NODULAR, drug therapy/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ IODINE ISOTOPES, therapeutic use/ MALE/ SEX FACTORS/ THYROID ANTAGONISTS, therapeutic use/ THYROIDECTOMY

4030. Vague J, Mattei A, Rubin P: Les dégénérescences neuro-germinales. Bull Acad Nati Med (Paris) 156:541-9, 6 Jun 72 (Fre)
*CENTRAL NERVOUS SYSTEM DISEASES, complications/ CEREBELLAR DISEASES, complications/ *GENITAL DISEASES, MALE, complications/ HUMAN/ HYPOGONADISM, complications/ KLINEFELTER'S SYNDROME, complications/ MALE/ MUSCULAR ATROPHY, complications/ MYOTONIA ATROPHICA, complications/ NEUROMUSCULAR DISEASES, complications/ STERILITY, MALE, etiology

4031. Vahlensieck W, Weissbach L: Hoden-Tumoren. Fortschr Med 91:667-70, 24 May 73 (Ger)
ACTINOMYCIN, therapeutic use/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ DISGERMINOMA, classification/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ TERATOID TUMOR, classification/ TESTICULAR DISEASES, diagnosis/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

4032. Vaisrub S: A passel of "pseudo's". JAMA 224:1413-4, 4 Jun 73
DICTIONARIES, MEDICAL/ HUMAN/ *NOMENCLATURE/ *PSEUDOHYPOPARATHYROIDISM/ *PSEUDOPSEUDOHYPO- PARATHYROIDISM

4033. Vaisrub S: Therapeutic success in Paget disease. JAMA 224:1413, 4 Jun 73
ADMINISTRATION, ORAL/ ALKALINE PHOSPHATASE, blood/ ANTINEOPLASTIC AGENTS, therapeutic use/ HUMAN/ HYDROXYPROLINE, blood/ HYDROXYPROLINE, urine/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ *OSTEITIS DEFORMANS, drug therapy/ OSTEOCLASTS, drug effects/ SODIUM ETIDRONATE, therapeutic use/ THYROCALCITONIN, administration & dosage/ THYROCALCITONIN, therapeutic use

4034. Vakil DV, Lewin PK, Conen PE: Value of fluorescent Y chromosome and sex chromatin tests. Acta Cytol (Baltimore) 17:220-3, May-Jun 73
ADOLESCENCE/ ADULT/ FEMALE/

FLUORESCENT DYES/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ LYMPHOCYTES/ MALE/ MIDDLE AGE/ MITOSIS/ NEUTROPHILS/ QUINACRINE/ *SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOMES/ STAINS AND STAINING

4035. **Valenta LJ, Bode H, Vickery AL, et al:** Lack of thyroid peroxidase activity as the cause of congenital goitrous hypothyroidism.
J Clin Endocrinol Metab 36:830-44, May 73
ADENYL CYCLASE, metabolism/ CATALASE, metabolism/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ GUAIACOL, metabolism/ HEME, pharmacodynamics/ HUMAN/ HYDROGEN PEROXIDE, pharmacodynamics/ *HYPOTHYROIDISM, enzymology/ HYPOTHYROIDISM, pathology/ IODINE ISOTOPES, DIAGNOSTIC/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOCHONDRIA/ *PEROXIDASES, metabolism/ SALIVA, enzymology/ SERUM ALBUMIN, BOVINE, metabolism/ THIOCYANATES, metabolism/ THYROGLOBULIN, metabolism/ *THYROID GLAND, enzymology/ THYROID GLAND, pathology/ THYROXINE, blood/ TIME FACTORS

4036. **Valenzuela S, Zárate A, Díaz Infante A, et al:** Revisión de 492 casos de neoplasias ováricas estudiadas en un período de once años.
Ginecol Obstet Mex 33:125-48, Feb 73 (Spa)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MEXICO/ MIDDLE AGE/ *OVARIAN NEOPLASMS, occurrence

4037. **Valenzuela SA:** Aspectos endocrinos de la fisiología de las glándulas salivales. Segunda parte: factor de crecimiento nervioso (NGF) y su relación hormonal.
Odontol Chil 20:11-4, Jan-Mar 72 (Spa)
HORMONES, secretion/ NERVE GROWTH FACTOR/ SALIVARY GLANDS, secretion/ SPECIAL LIST DENTAL

4038. **Vallée G:** La fonction thyroïdienne. Un nouveau test in vitro: l'E.T.R., examen de routine évaluant la thyroxine active du sérum.
Nouv Presse Med 1:2986-9, 9 Dec 72 (Fre)
AUTOMATIC DATA PROCESSING/ BINDING SITES/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis

4039. **Valverde C, Chieffo V, Reichlin S:** Failure of reserpine to block ether-induced release of prolactin: physiological evidence that stress induced prolactin release is not caused by acute inhibition of PIF secretion. Life Sci [I] 12:327-35, 1 Apr 73
ANIMAL EXPERIMENTS/ *ETHYL ETHER, pharmacodynamics/ FREEZE DRYING/ HYPOTHALAMUS, physiology/ IODINE ISOTOPES/ MALE/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ RATS, immunology/ *RESERPINE, pharmacodynamics/ *STRESS, physiopathology/ SWINE/ TISSUE EXTRACTS, administration & dosage

4040. **Valzelli G, Goldaniga G:** Metabolic studies of synthetic isojuripidine in the dog and rat.
Biochem Pharmacol 22:911-8, 15 Apr 73
ADRENAL GLANDS, metabolism/ ALKALOIDS, administration & dosage/ ALKALOIDS, analysis/ ALKALOIDS, blood/ *ALKALOIDS, metabolism/ ALKALOIDS, urine/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, metabolism/ CHROMATOGRAPHY, THIN LAYER/ DOGS/ FECES, analysis/ GERM-FREE LIFE/ ISOTOPE LABELING/ KIDNEY, metabolism/ LIVER, analysis/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ RATS/ SPIROSTANS, analysis/ SPIROSTANS, blood/ *SPIROSTANS, metabolism/ SPLEEN, metabolism/ TIME FACTORS/ TRITIUM

4041. **Váňa S, Felt V, Silink K, et al:** Výsledky dlouhodobého sledování srdečního rytmu u nemocných s tyreotoxikózou a fibrilací síní, léčených radiojódem 131.
Cas Lek Cesk 112:391-6, 30 Mar 73 (Cze)
ADULT/ AGED/ *AURICULAR FIBRILLATION, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HEART, physiopathology/ *HEART RATE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ TIME FACTORS

4042. **Váňa S, Němec J, Ceňková V:** Rozdíly v rychlosti odpovědi kosterního a srdečního svalu na prudký pokles v zásobení hormony štítné žlázy.
Vnitr Lek 19:327-31, Apr 73 (Cze)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ HUMAN/ *MUSCLES, metabolism/ *MYOCARDIUM, metabolism/ THYROID DISEASES, metabolism/ THYROID DISEASES, surgery/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, blood/ *THYROID HORMONES, metabolism/ THYROIDECTOMY

4043. **Vanasin B, Bass DD, Mendeloff AI, et al:** Alteration of electrical and motor activity of human and dog rectum by diphenylhydantoin. Am J Dig Dis 18:403-10, May 73
ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, pharmacodynamics/ *ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ COLON, drug effects/ COLON, physiology/ DIPHENYLHYDANTOIN, antagonists & inhibitors/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DOGS/ ELECTRIC STIMULATION/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ HUMAN/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NEUROMUSCULAR JUNCTION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECTUM, drug effects/ RECTUM, physiology/ SEROTONIN, pharmacodynamics/ TIME FACTORS

4044. **Van Cantfort J:** The in-vitro formation and the strong inhibitory action of 7-keto-cholesterol on cholesterol-7 -hydroxylase activity.
Life Sci [II] 11:773-80, 8 Aug 72
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL/ CHOLESTEROL, biosynthesis/ CHOLESTEROL, metabolism/ *CHOLESTEROL, pharmacodynamics/ CHROMATOGRAPHY, THIN LAYER/ *HYDROXYLASES, antagonists & inhibitors/ HYDROXYSTEROIDS, metabolism/ IN VITRO/ KETOSTEROIDS, biosynthesis/ KETOSTEROIDS, pharmacodynamics/ KINETICS/ MICROSOMES, LIVER, metabolism/ TRITIUM

4045. **VanDenBorre M, Webb TE:** Perfusate composition and stability of polyribosomes in perfused liver.
Life Sci [II] 11:347-54, 8 Apr 72
AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD/ BUFFERS/ CENTRIFUGATION, DENSITY GRADIENT/ DEOXYCHOLIC ACID, pharmacodynamics/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HEPATECTOMY/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ *LIVER, cytology/ LIVER, drug effects/ LIVER REGENERATION/ MALE/ OSMOLAR CONCENTRATION/ PERFUSION/ *POLYRIBOSOMES/ POLYRIBOSOMES, drug effects/ RATS/ TISSUE PRESERVATION

4046. **Vandenbroucke MF:** Nouvelles recherches sur le rôle des lysosomes dans la libération des hormones thyroïdiennes.
Mem Acad R Med Belg 7:457-503, Dec 72 (Fre)
ACID PHOSPHATASE, isolation & purification/ ANIMAL

EXPERIMENTS/ CATHEPSIN, isolation & purification/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ CYTOCHROME OXIDASE, isolation & purification/ HYDROLYSIS/ IODINE ISOTOPES/ *LYSOSOMES, metabolism/ METHODS/ PINOCYTOSIS/ SERUM ALBUMIN, BOVINE, metabolism/ SWINE/ TEMPERATURE/ *THYROGLOBULIN, metabolism/ *THYROID GLAND, metabolism/ THYROTROPIN, metabolism/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism

4047. Vander Laan WP: Changing concepts of prolactin in man. Calif Med 118:28-37, Feb 73 (57 ref.)
CHLORPROMAZINE, adverse effects/ FEMALE/ HUMAN/ HYPOTHALAMUS, drug effects/ LACTATION/ LACTATION DISORDERS, chemically induced/ PITUITARY GLAND, physiology/ PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS, metabolism/ PREGNANCY/ *PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, blood/ PROLACTIN, isolation & purification/ PROLACTIN, physiology/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ REVIEW/ SOMATOTROPIN/ TRYPTOPHAN, adverse effects

4048. Vangen O: Diabetes insipidus og graviditet. Tidsskr Nor Laegeforen 92:2094-5, 10 Nov 72 (Nor)
ADULT/ AMENORRHEA, etiology/ CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LABOR COMPLICATIONS/ LACTATION DISORDERS, etiology/ PREGNANCY/ *PREGNANCY IN DIABETES/ THIAZINES, therapeutic use/ UTERINE INERTIA, etiology/ VASOPRESSIN, therapeutic use

4049. Vanha-Perttula T: Aminopeptidases of rat testis. I. Fractionation and characterization.
J Reprod Fertil 32:33-44, Jan 73
AMINO ACIDS, metabolism/ *AMINOPEPTIDASES, isolation & purification/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ HYDROGEN-ION CONCENTRATION/ LYSOSOMES, enzymology/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, enzymology/ RATS/ TESTIS, enzymology

4050. Vanha-Perttula T: Aminopeptidases of rat testis. II. Effects of puberty, cryptorchidism and cadmium chloride treatment. J Reprod Fertil 32:45-53, Jan 73
AGE FACTORS/ *AMINOPEPTIDASES, analysis/ ANIMAL EXPERIMENTS/ *CADMIUM, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *CRYPTORCHISM, enzymology/ MALE/ *PUBERTY/ RATS/ SPERMATOGENESIS/ TESTIS, drug effects/ *TESTIS, enzymology

4051. Vanha-Perttula T: Aminopeptidases of rat testis. 3. Activity of dipeptidyl aminopeptidases I and II in normal and experimental conditions.
J Reprod Fertil 32:55-63, Jan 73
AMINO ACIDS, metabolism/ *AMINOPEPTIDASES, analysis/ ANIMAL EXPERIMENTS/ CADMIUM, pharmacodynamics/ CELL FRACTIONATION/ CELL NUCLEUS, enzymology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CRYPTORCHISM, enzymology/ HYDROGEN-ION CONCENTRATION/ LEYDIG CELLS, enzymology/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PUBERTY/ RATS/ SPERMATOGENESIS/ TESTIS, drug effects/ *TESTIS, enzymology/ TESTIS, growth & development

4052. Van Herle AJ, Uller RP, Matthews NI, et al: Radioimmunoassay for measurement of thyroglobulin in human serum. J Clin Invest 52:1320-7, Jun 73
ADOLESCENCE/ ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ HYPERTHYROIDISM, blood/ IMMUNOELECTROPHORESIS/ INFANT, NEWBORN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ PREGNANCY/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROGLOBULIN, blood/ THYROIDITIS, blood

4053. Van Rossum GD, Galeotti T, Morris HP: The mineral content and water compartments of liver and of Morris hepatomata 5123tc and 3924A and the changes of composition occurring during necrosis in hepatoma 3924A. Cancer Res 33:1078-85, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CHLORIDES, metabolism/ FEMALE/ *HEPATOMA, metabolism/ HEPATOMA, pathology/ *LIVER, metabolism/ *LIVER NEOPLASMS, metabolism/ LIVER NEOPLASMS, pathology/ MAGNESIUM, metabolism/ *MINERALS, metabolism/ NECROSIS, metabolism/ NECROSIS, pathology/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ RATS/ RATS, INBRED STRAINS/ SODIUM, metabolism/ TRANSPLANTATION, HOMOLOGOUS/ *WATER, metabolism

4054. Van Rossum GD, Smith KP, Morris HP: The net extrusion of calcium and its temporal relation to the accumulation of potassium in slices of rat liver and of Morris hepatomata 5123tc and 3924A.
Cancer Res 33:1086-91, May 73
ANIMAL EXPERIMENTS/ BABOONS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CHLORIDES, metabolism/ FEMALE/ GEESE/ *HEPATOMA, metabolism/ IN VITRO/ *LIVER, metabolism/ *LIVER NEOPLASMS, metabolism/ MATHEMATICS/ MONKEYS/ OPOSSUMS/ *POTASSIUM, metabolism/ RATS/ RATS, INBRED STRAINS/ SODIUM, metabolism/ TIME FACTORS/ WATER, metabolism

4055. Vapaatalo H, Bieck P, Westermann E: Actions of various cyclic nucleotides, nucleosides and purine bases on the synthesis of corticosterone in vitro. Naunyn Schmiedebergs Arch Pharmacol 275:435-43, 29 Dec 72
ADENINE, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS/ ALLOPURINOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ DRUG SYNERGISM/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYPOXANTHINES, pharmacodynamics/ IN VITRO/ INOSINE, pharmacodynamics/ INOSINE NUCLEOTIDES, pharmacodynamics/ MALE/ *NUCLEOSIDES, pharmacodynamics/ *NUCLEOTIDES, pharmacodynamics/ *PURINES, pharmacodynamics/ RATS/ URACIL NUCLEOTIDES, pharmacodynamics/ XANTHINES, pharmacodynamics

4056. Varma TR: Fetal growth and placental function in patients with placenta praevia.
J Obstet Gynaecol Br Commonw 80:311-5, Apr 73
BIRTH WEIGHT/ CEPHALOMETRY/ DELIVERY/ ESTROGENS, urine/ FEMALE/ FETAL DEATH/ *FETUS, growth & development/ HUMAN/ INFANT, NEWBORN/ *PLACENTA, physiopathology/ *PLACENTA PRAEVIA, physiopathology/ PREGNANCY/ ULTRASONICS, diagnostic use/ UTERINE HEMORRHAGE

4057. Varon S, Raiborn C: Dissociation of chick embryo spinal ganglia and the effects on cell yields by the mouse 7S nerve growth factor protein.
Neurobiology 2:106-22, 1972
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL SEPARATION/ *CELLS, CULTURED, drug effects/ CHICK

EMBRYO/ CULTURE MEDIA/ *CYTOLOGICAL TECHNICS/ GANGLIA, SPINAL, cytology/ *GANGLIA, SPINAL, embryology/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, pharmacodynamics/ METHODS/ MICE/ *NERVE GROWTH FACTOR, pharmacodynamics/ NEURONS/ SPINAL NERVE ROOTS, cytology/ SPINAL NERVE ROOTS, embryology/ TRYPSIN, pharmacodynamics

4058. Varsano I, Fischl J, Shochet SB: The excretion of orally ingested nitrofurantoin in human milk.
J Pediatr 82:886-7, May 73
ADMINISTRATION, ORAL/ FEMALE/ GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY, complications/ HEMOLYSIS, drug effects/ HUMAN/ LACTATION/ *MILK, HUMAN, analysis/ NITROFURANTOIN, adverse effects/ NITROFURANTOIN, blood/ *NITROFURANTOIN, metabolism

4059. Vasantha N: Electrophoretic analysis of chromatophorotropins in the freshwater prawn, Caridina weberi de Man.
Indian J Exp Biol 10:291-4, Jul 72
ANIMAL EXPERIMENTS/ *CHROMATOPHORES/ *CRUSTACEA, analysis/ ELECTROPHORESIS, PAPER/ ESOPHAGUS/ EYE, analysis/ GANGLIA, analysis/ *HORMONES, analysis/ HYDROGEN-ION CONCENTRATION

4060. Vashchenko OA, Lisiuk LP: Spektrofotometrychne vyznachennia kontsentratsii nefrosekretornoi rechovyny v zadnii chasttsi hipofiza.
Fiziol Zh 18:632-5, Sep-Oct 72 (Ukr)
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ MESENCEPHALON, physiology/ *NEUROSECRETION/ *PITUITARY GLAND, POSTERIOR, secretion/ PITUITARY HORMONE RELEASING FACTORS, secretion/ RATS/ RETICULAR FORMATION, physiology/ SPECTROPHOTOMETRY

4061. Vashi N: Familial goitrous cretinism.
Indian Pediatr 9:697-702, Nov 72
ADOLESCENCE/ CHILD/ CRETINISM, classification/ *CRETINISM, familial & genetic/ FEMALE/ GOITER, classification/ *GOITER, familial & genetic/ HUMAN/ HYPOTHYROIDISM, familial & genetic/ MALE/ THYROID HORMONES, metabolism

4062. Vasil'ev VB, Salnu-Laval MD: Svobodnaia peresadka kozhi s mestnym primeneniem gliukokortikoidov.
Khirurgiia (Mosk) 49:13-7, Feb 72 (Rus)
ADOLESCENCE/ ADULT/ AGED/ BURNS, surgery/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ GRANULATION TISSUE, drug effects/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ MIDDLE AGE/ *SKIN, transplantation/ WOUND HEALING, drug effects/ WOUNDS AND INJURIES, surgery

4063. Vasilevskaia LN: O rezul'tatakh konservativnoi miomektomii u zhenshchin detorodnogo vozrasta.
Akush Ginekol (Mosk) 49:21-3, Jan 73 (Rus)
ADULT/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *LEIOMYOMA, surgery/ POSTOPERATIVE COMPLICATIONS/ *UTERINE NEOPLASMS, surgery/ UTERUS, pathology/ UTERUS, physiopathology/ *UTERUS, surgery

4064. Vasilevskaia NL, Zhakhova ZN, Belokurov OG, et al: Putti izuchentia funktsional'nogo sostoianiia platsenty cheloveka.
Vestn Akad Med Nauk SSSR 27:30-7, Nov 72 (Rus)
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, physiology/ DRUG STABILITY/ ENGLISH ABSTRACT/ FEMALE/ FETAL MEMBRANES, physiology/ HUMAN/ MATERNAL-FETAL EXCHANGE/ METHODS/ NITROGEN, blood/ PERFUSION/ *PLACENTA, physiology/ PREGNANCY/ RABBITS/ TEMPERATURE

4065. Vasilieva IO, Zembitskaia ZS, Prshedromirskii MT: Deiaki pokaznyky funktsional'noho stanu ialechnykiv u robitnyts' khimichnoho vyrobnytstva.
Pediatr Akush Ginekol 5:54-7, Oct 72 (Ukr)
*CHEMICAL INDUSTRY/ ENVIRONMENTAL EXPOSURE/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, occurrence/ *OCCUPATIONAL DISEASES, occurrence/ *OVARIAN DISEASES, occurrence/ UKRAINE

4066. Vasilukova EA, Kasatkina EP, Khaikina MB, et al: K patogenezu zabolevanii shchitovidnoi zhelezy u detei.
Vopr Okhr Materin Det 17:13-6, Nov 72 (Rus)
ADOLESCENCE/ ANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, congenital/ INFANT/ THYROGLOBULIN, analysis/ *THYROID DISEASES, immunology

4067. Vasilukova EA, Soskin LS: Sovremennye predstavleniia o patogeneze i lechenii bolezni Itsenko-Kushinga.
Klin Med (Mosk) 50:16-21, Aug 72 (Rus)
ADRENAL CORTEX HORMONES, blood/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COBALT ISOTOPES/ CORTICOTROPIN, secretion/ CRYOGENIC SURGERY/ *CUSHING'S SYNDROME/ CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, chemically induced/ CUSHING'S SYNDROME, therapy/ CUSHING'S SYNDROME, urine/ ENCEPHALITIS, complications/ FEMALE/ GOLD ISOTOPES, therapeutic use/ HEAD INJURIES, complications/ HUMAN/ HYDROCEPHALUS, complications/ HYDROCEPHALUS, etiology/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND IRRADIATION/ PREGNANCY/ PREGNANCY COMPLICATIONS, etiology/ REVIEW/ STEREOTAXIC TECHNICS/ YTTRIUM ISOTOPES, therapeutic use

4068. Vaughan JT: The acute colitis syndrome. Colitis "X".
Vet Clin N Amer 3:301-13, May 73 (25 ref.)
ANAPHYLAXIS, complications/ ANAPHYLAXIS, veterinary/ ANIMAL EXPERIMENTS/ COLITIS, diagnosis/ COLITIS, drug therapy/ COLITIS, etiology/ COLITIS, occurrence/ COLITIS, pathology/ *COLITIS, veterinary/ COLON, pathology/ GLUCOCORTICOIDS, therapeutic use/ *HORSE DISEASES/ HORSE DISEASES, diagnosis/ HORSE DISEASES, drug therapy/ HORSE DISEASES, etiology/ HORSE DISEASES, occurrence/ HORSE DISEASES, pathology/ HORSES/ INFUSIONS, PARENTERAL/ LIVER, pathology/ LYMPH NODES, pathology/ REVIEW/ SALMONELLA INFECTIONS, ANIMAL, complications/ SHOCK, ENDOTOXIC, complications/ SHOCK, ENDOTOXIC, veterinary/ SYNDROME

4069. Vaughan MK, Vaughan GM, Reiter RJ: Effect of ovariectomy and constant dark on the weight of reproductive and certain other organs in the female vole, Microtus montanus.
J Reprod Fertil 32:9-14, Jan 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *DARKNESS/ FEMALE/ KIDNEY, anatomy & histology/ LACRIMAL APPARATUS, anatomy & histology/ *ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, physiology/ PINEAL BODY, physiology/ *RODENTS, physiology/ THYMUS GLAND, anatomy & histology/ UTERUS, anatomy & histology

4070. Vecchio TJ: Injectable medroxyprogesterone acetate contraception: metabolic and endocrine effects.
J Reprod Med 10:193-6, Apr 73
BLOOD SUGAR, metabolism/ *ESTROGENS, metabolism/ FEMALE/ GLUCOSE

TOLERANCE TEST/ *GONADOTROPINS, secretion/ HUMAN/ HYPERGLYCEMIA, chemically induced/ *MEDROXYPROGESTERONE, metabolism/ MEDROXYPROGESTERONE, pharmacodynamics/ OVARY, drug effects/ *PITUITARY GLAND, drug effects

4071. Veith FJ, Koerner SK, Siegelman SS, et al: Recognition and treatment of rejection in experimental and human lung allografts. Transplant Proc 5:783-6, Mar 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, drug therapy/ HUMAN/ LUNG, immunology/ LUNG, pathology/ *LUNG, transplantation/ METHYLPREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ THORACIC RADIOGRAPHY/ THYMUS GLAND, cytology/ *TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

4072. Veĭtsman AM, Moieva NI, Skachek IB, et al: Sintez potentsial'nikh gestagennikh komponentiv oral'nikh kontratseptiviv. Farm Zh 27:19-24, 1972 (Ukr)
*CONTRACEPTIVES, ORAL/ PROGESTERONE, chem synthesis

4073. Velázquez FH, Díes F: Biopsias renales seriadas en un paciente con sindrome de Bartter.
Rev Invest Clin 24:445-58, Oct-Dec 72 (Spa)
ADULT/ ALKALOSIS, etiology/ BIOPSY/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, pathology/ HYPERPLASIA, pathology/ HYPERTROPHY, pathology/ HYPOKALEMIA, etiology/ *JUXTAGLOMERULAR APPARATUS, pathology/ *KIDNEY DISEASES, pathology/ MICROSCOPY, ELECTRON/ *RENAL ARTERY, pathology

4074. Velde-Staquet MF van de, Gnamey DK, Delattre B, et al: Le syndrome de Pendred. A propos de trois observations familiales.
Lille Med 17:1249-55, Oct 72 (Fre)
ADULT/ CHILD, PRESCHOOL/ *DEAF-MUTISM, familial & genetic/ FEMALE/ *GOITER, familial & genetic/ HUMAN/ INFANT/ INFANT, NEWBORN/ *IODINE, metabolism/ MALE/ PEDIGREE

4075. Velle W: Hypofysens betydning for laktasjonen.
Tidsskr Nor Laegeforen 92:2200-2, 20 Nov 72 (Nor)
ANIMAL EXPERIMENTS/ CATS/ CATTLE/ CORTICOTROPIN, physiology/ DEPRESSION, CHEMICAL/ DOGS/ ENGLISH ABSTRACT/ ESTROGENS, physiology/ FEMALE/ GOATS/ GONADOTROPINS, PITUITARY, physiology/ GROWTH, drug effects/ GUINEA PIGS/ HUMAN/ HYPOPHYSECTOMY/ *LACTATION, drug effects/ MAMMAE, growth & development/ MICE/ OXYTOCIN, physiology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONES, physiology/ PROGESTERONE, physiology/ RATS/ SOMATOTROPIN, physiology/ STIMULATION, CHEMICAL

4076. Velle W: Hypofysefunksjonen hos fosteret.
Tidsskr Nor Laegeforen 92:2202-4, 20 Nov 72 (Nor)
*ADRENAL GLANDS, embryology/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ CORTICOTROPIN, physiology/ DOGS/ ENGLISH ABSTRACT/ FEEDBACK/ FEMALE/ *FETUS, growth & development/ GONADOTROPINS, physiology/ GROWTH, drug effects/ GUINEA PIGS/ HAMSTERS/ HORSES/ HUMAN/ MALE/ MICE/ *PITUITARY GLAND, embryology/ PREGNANCY/ PREGNANCY, PROLONGED/ RABBITS/ RATS/ SHEEP/ SOMATOTROPIN, physiology/ SWINE/ TESTIS, embryology/ *THYROID GLAND, embryology/ THYROTROPIN, physiology

4077. Verhofstad AA, Lensen WF: On the occurrence of lymphatic vessels in the adrenal gland of the white rat. Acta Anat (Basel) 84:475-83, 1973
*ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, blood supply/ ADRENAL MEDULLA, anatomy & histology/ ANIMAL EXPERIMENTS/ INK/ LIGATION/ LYMPHATIC SYSTEM, anatomy & histology/ MALE/ METHODS/ *RATS, anatomy & histology/ STAINS AND STAINING/ THORACIC DUCT, surgery/ TRYPAN BLUE/ VEINS, surgery

4078. Veriangieri J, Mumma RO: In vivo sulfation of cholesterol by ascorbic acid 2-sulfate.
Atherosclerosis 17:37-48, Jan-Feb 73
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ ANTICHOLESTEREMIC AGENTS/ *ASCORBIC ACID, metabolism/ CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHOLESTEROL, urine/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FECES, analysis/ MALE/ RATS/ SULFATES, analysis/ SULFATES, blood/ *SULFATES, metabolism/ SULFUR ISOTOPES

4079. Verne J, Mans A, Hébert S, et al: Action, sur des cobayes en régime hypoprotidique, d'un concentré protéique de levures cultivées sur alcanes.
Bull Acad Natl Med (Paris) 156:295-9, Apr 72 (Fre)
ALKANES/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT, drug effects/ CULTURE MEDIA/ DIET, REDUCING/ FEMALE/ GUINEA PIGS/ INTESTINE, SMALL, drug effects/ ISLANDS OF LANGERHANS, drug effects/ LIVER, drug effects/ MALE/ PANCREAS, drug effects/ *PROTEINS, pharmacodynamics/ TESTIS, drug effects/ YEASTS

4080. Vessey MP: Oral contraceptives and stroke.
N Engl J Med 288:906-7, 26 Apr 73
ADOLESCENCE/ ADULT/ *CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CEREBRAL EMBOLISM AND THROMBOSIS, occurrence/ CEREBRAL HEMORRHAGE, chemically induced/ CEREBRAL HEMORRHAGE, occurrence/ *CEREBROVASCULAR DISORDERS, chemically induced/ CEREBROVASCULAR DISORDERS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ UNITED STATES

4081. Vetter W, Siegenthaler W: Diagnose und Seltenlokalisation hei primärem Hyperaldosteronismus.
Dtsch Med Wochenschr 98:506-8, 9 Mar 73 (Ger)
ADENOMA, complications/ ADENOMA, radiography/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, radiography/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ GLUCURONATES/ HUMAN/ HYPERALDOSTERONISM, blood/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, physiopathology/ HYPERALDOSTERONISM, urine/ PHLEBOGRAPHY, adverse effects/ RADIOIMMUNOASSAY/ RENIN, blood

4082. Vetters JM, Macadam RF: Fine structural evidence for hormone secretion by the human thymus.
J Clin Pathol 26:194-7, Mar 73
CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ EPITHELIUM, cytology/ EPITHELIUM, pathology/ HEART DEFECTS, CONGENITAL, pathology/ *HORMONES, secretion/ HUMAN/ MEMBRANES/ MICROSCOPY, ELECTRON/ MYASTHENIA GRAVIS, pathology/ ORGANOIDS/ THYMUS GLAND, cytology/ THYMUS GLAND, pathology/ *THYMUS GLAND, secretion

4083. Viau AT, Leathem JH: Excess dietary methionine and pregnancy in the rat. J Reprod Fertil 33:109-11, Apr 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ CASEIN/ *DIET/ ESTRONE, pharmacodynamics/ FEEDING BEHAVIOR, drug effects/ FEMALE/ FETUS/ *METHIONINE/ METHIONINE, pharmacodynamics/ ORGAN WEIGHT/ OVARY,

secretion/ PLACENTA/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, pharmacodynamics/ RATS/ SEX HORMONES, secretion

4084. Vidal J, Michel FB, Touron C, et al: Bronchites asthmatiques et bronchites asthmiformes de l'adulte.
Sem Hop Paris 48:3311-8, 8 Dec 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ *ASTHMA, classification/ ASTHMA, complications/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ BRONCHIAL SPASM/ *BRONCHITIS, classification/ BRONCHITIS, complications/ BRONCHITIS, diagnosis/ BRONCHITIS, drug therapy/ CARBON DIOXIDE, blood/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ DYSPNEA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, classification/ MALE/ MIDDLE AGE/ RESPIRATORY FUNCTION TESTS/ RESPIRATORY HYPERSENSITIVITY

4085. Vidyasagar D, Chernick V: Placental transfer of metopirone. Biol Neonate 21:471-4, 1972
ANIMAL EXPERIMENTS/ FEMALE/ FLUOROMETRY/ INJECTIONS, SUBCUTANEOUS/ *MATERNAL-FETAL EXCHANGE/ METYRAPONE, administration & dosage/ *METYRAPONE, blood/ PREGNANCY/ RABBITS/ TIME FACTORS

4086. Vilhardt H, Jorgensen T: Free flow electrophoresis of isolated secretory granules from bovine neurohypophyses. Experientia 28:852-3, 15 Jul 72
ANIMAL EXPERIMENTS/ CALCIUM/ CALCIUM CHLORIDE/ CATTLE/ CELL MEMBRANE/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ NEUROSECRETION/ *PITUITARY GLAND, POSTERIOR, physiology/ SODIUM

4087. Villa JG, Salto L, Alcañiz F, et al: Galactorréa. Estudio de 14 casos.
Rev Clin Esp 128:233-8, 15 Feb 73 (Spa)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *LACTATION DISORDERS/ LACTATION DISORDERS, drug therapy/ LACTATION DISORDERS, etiology/ LACTATION DISORDERS, physiopathology/ PREGNANCY/ PROLACTIN, secretion

4088. Villa JG, Salto L: Prolactina y galactorrea.
Rev Clin Esp 128:183-94, 15 Feb 73 (115 ref.) (Spa)
ACROMEGALY, complications/ CHIARI-FROMMEL SYNDROME, complications/ CLOMIPHENE, therapeutic use/ CONTRACEPTIVE AGENTS, therapeutic use/ DOPA, therapeutic use/ ERGOT ALKALOIDS, therapeutic use/ ESTROGENS, therapeutic use/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHYROIDISM, complications/ LACTATION DISORDERS, drug therapy/ LACTATION DISORDERS, etiology/ *LACTATION DISORDERS, etiology/ LACTATION DISORDERS, physiopathology/ PITUITARY HORMONE RELEASING FACTORS/ PROLACTIN, analysis/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, metabolism/ PROLACTIN, pharmacodynamics/ PROLACTIN, physiology/ *PROLACTIN, secretion/ REVIEW/ THYROXINE, therapeutic use/ WATER-ELECTROLYTE BALANCE, drug effects

4089. Villiers Graaff G de, Von Holt C: Enzymatic histone modification during the induction of tyrosine aminotransferase with insulin and hydrocortisone.
Biochim Biophys Acta 299:480-4, 28 Mar 73
ACETATES, metabolism/ ACETYLATION/ ADENINE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CELL NUCLEUS, metabolism/ ENZYME INDUCTION/ *HISTONES, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ METHIONINE, metabolism/ METHYLATION/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS ISOTOPES/ RATS/ RNA, biosynthesis/ RNA, isolation & purification/ RNA, RIBOSOMAL, biosynthesis/ RNA, RIBOSOMAL, isolation & purification/ TRITIUM/ *TYROSINE AMINOTRANSFERASE, biosynthesis

4090. Vincent M, Sassard J, Cier JF: Methode rapide de determination radio-immunochimique de l'activite renine du plasma.
Rev Eur Etud Clin Biol 17:1001-6, Dec 72 (Fre)
ANGIOTENSIN, analysis/ *ANGIOTENSIN, blood/ ANGIOTENSINASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HUMAN/ IMMUNE SERUMS/ METHODS/ RABBITS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RENIN, analysis/ *RENIN, blood

4091. Vine WH, Brueckner DA, Needleman P, et al: Synthesis, biological activity, and 19 F nuclear magnetic resonance spectra of angiotensin II analogs containing fluorine. Biochemistry 12:1630-7, 10 Apr 73
*ANGIOTENSIN/ ANGIOTENSIN, chem synthesis/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, THIN LAYER/ *FLUORINE/ FLUORINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KIDNEY, metabolism/ NUCLEAR MAGNETIC RESONANCE/ PERFUSION/ PROSTAGLANDINS, metabolism/ RABBITS/ RADIOISOTOPES/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

4092. Vinson GP, Whitehouse BJ: The biosynthesis and secretion of aldosterone by the rat adrenal zona glomerulosa, and the significance of the compartmental arrangement of steroids.
Acta Endocrinol (Kbh) 72:746-52, Apr 73
ACETATES, metabolism/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ALDOSTERONE, metabolism/ ALDOSTERONE, physiology/ ALDOSTERONE, secretion/ BINDING SITES/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CORTICOSTERONE, metabolism/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DESOXYCORTICOSTERONE, metabolism/ FUROSEMIDE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *PREGNENOLONE, metabolism/ STIMULATION, CHEMICAL/ TRITIUM

4093. Vinson GP, Whitehouse BJ: Compartmental arrangement of steroids formed from (1-14 C)acetate by rat adrenal zona glomerulosa and the effect of corticotrophin.
Acta Endocrinol (Kbh) 72:737-45, Apr 73
*ACETATES, metabolism/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON ISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, metabolism/ DIALYSIS/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ PREGNENOLONE, metabolism/ RATS/ TRITIUM

4094. Vishnevskif AS: Prognosticheskoe znachenie snizheniia ékskretsii total'nykh gonadotropinov pri disfunktsional'nykh matochnykh krovotecheniiakh.
Vopr Onkol 18:86-7, 1972 (Rus)
CLIMACTERIC/ FEMALE/ *GONADOTROPINS, urine/ HUMAN/ MIDDLE AGE/ PROGNOSIS/ *UTERINE HEMORRHAGE, urine

4095. Vishniai GN, Kruiko-bol'shova IuA: Soderzhanie polovykh gormonov pri parodontoze u devochek s patologiei polovogo sozrevaniia.
Stomatologiia (Mosk) 52:59-61, Mar-Apr 73 (Rus)
ADOLESCENCE/ *AMENORRHEA, complications/ CHILD/ ENGLISH ABSTRACT/ *ESTROGENS, analysis/ FEMALE/ HUMAN/

*PERIODONTAL DISEASES, etiology/ *UTERINE HEMORRHAGE, complications

4096. Visscher M de: Hyperthyroidie "d'entrafnement" par opothérapie thyroidienne.
Ann Endocrinol (Paris) 33:83-5, Jan-Feb 72 (Fre)
ADULT/ *ARRHYTHMIA, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ GOITER, drug therapy/ *GOITER, EXOPHTHALMIC, chemically induced/ HUMAN/ IODINE, adverse effects/ MIDDLE AGE/ THYROID ANTAGONISTS, therapeutic use/ *THYROID HORMONES, adverse effects/ TRIIODOTHYRONINE, adverse effects

4097. Visser HK: Some physiological and clinical aspects of puberty. Arch Dis Child 48:169-82, Mar 73 (96 ref.)
ADOLESCENCE/ ADRENAL GLANDS, physiology/ BODY COMPOSITION/ BODY TEMPERATURE/ CELL DIFFERENTIATION/ CHILD/ CHILD, PRESCHOOL/ ESTRADIOL, blood/ FEEDBACK/ FEMALE/ FSH, blood/ FSH, secretion/ GENITALIA, embryology/ GENITALIA, growth & development/ GROWTH/ HUMAN/ HYPOTHALAMUS, secretion/ INFANT/ INFANT, NEWBORN/ LH, blood/ LH, secretion/ MALE/ PITUITARY GLAND, secretion/ PROGESTERONE, blood/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ REVIEW/ TESTOSTERONE, blood

4098. Vítová Z: Cerebral responses to flickering light in clinical research.
Act Nerv Super (Praha) 15:63-9, Mar 73
ADOLESCENCE/ *BRAIN, physiology/ *BRAIN DISEASES, physiopathology/ CEREBRAL PALSY, physiopathology/ CHILD/ CHILD, PRESCHOOL/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ FEMALE/ HUMAN/ HYDROCEPHALUS, physiopathology/ HYPOTHYROIDISM, physiopathology/ INFANT/ MALE/ *PHOTIC STIMULATION/ SLEEP, REM/ THALAMUS, physiopathology/ WAKEFULNESS

4099. Vlachos K, Kovatsis A, Tsoukali E, et al: Isolierung, Identifizierung und biologische Wirkung der Prostaglandine des Stierspermas.
Dtsch Tieraerztl Wochenschr 80:100-2, 1 Mar 73 (Ger)
ANIMAL EXPERIMENTS/ *CATTLE/ DUODENUM, drug effects/ ENGLISH ABSTRACT/ MALE/ *PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *SEMEN, analysis

4100. Vladutiu GD, Rose NR: Quantitative estimation of a primate-specific esterase in normal and malignant tissue. Proc Soc Exp Biol Med 143:109-13, May 73
ADRENAL GLANDS, enzymology/ AUTOPSY/ BRAIN, enzymology/ *ESTERASES, analysis/ HUMAN/ IMMUNOELECTROPHORESIS/ *ISOENZYMES, analysis/ LIVER, enzymology/ LIVER NEOPLASMS, enzymology/ LUNG, enzymology/ LUNG NEOPLASMS, enzymology/ *NEOPLASMS, enzymology/ PANCREAS, enzymology/ SPLEEN, enzymology/ TISSUE EXTRACTS

4101. Vladutu AO: Lymphocytes binding thyroglobulin.
Lancet 1:678-9, 24 Mar 73
ANIMAL EXPERIMENTS/ ANTIGENS/ BINDING, COMPETITIVE/ *BINDING SITES, ANTIBODY/ HUMAN/ ISOANTIGENS/ *LYMPHOCYTES, immunology/ RABBITS/ SERUM ALBUMIN/ *THYROGLOBULIN

4102. Vladyková J: Kraniofaryngeom z hlediska oftalmologa.
Cesk Oftalmol 29:109-16, Mar 73 (Cze)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ *NOSE NEOPLASMS, complications/ NOSE NEOPLASMS, surgery/ *PHARYNGEAL NEOPLASMS, complications/ PHARYNGEAL NEOPLASMS, surgery/ VISION DISORDERS, etiology/ VISUAL ACUITY/ VISUAL PATHWAYS

4103. Vogel HG: Influence of age, treatment with corticosteroids and strain rate on mechanical properties of rat skin.
Biochim Biophys Acta 286:79-83, 24 Nov 72
*AGING/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ ELASTICITY/ KINETICS/ MALE/ *PREDNISOLONE, pharmacodynamics/ RATS/ *SKIN, physiology/ *STRESS, MECHANICAL

4104. Vogt JH: Obsolete og hypotetiske begreper i hypofysens nosologi.
Tidsskr Nor Laegeforen 92:2268-14, 20 Nov 72 (Nor)
ACIDOSIS, DIABETIC/ DIABETIC RETINOPATHY/ *ENDOCRINE DISEASES/ ENGLISH ABSTRACT/ ERYTHROPOIESIS/ GOITER, EXOPHTHALMIC/ HIRSUTISM/ HUMAN/ HYPEROSTOSIS FRONTALIS INTERNA/ HYPOPITUITARISM/ OBESITY/ *PINEAL BODY/ *PITUITARY GLAND/ PUBERTY/ STEIN-LEVENTHAL SYNDROME

4105. Voigt K, Dietz V: Granulome des Hypothalamus. Ähnliche Symptomatologie und Verlauf bei drei Fällen unterschiedlicher Genese.
Arch Psychiatr Nervenkr 216:343-57, 1972 (Ger)
ADULT/ AUTOPSY/ BRAIN DISEASES, diagnosis/ BRAIN DISEASES, pathology/ BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ CAROTID ARTERIES/ CENTRAL NERVOUS SYSTEM DISEASES/ CEREBRAL ANGIOGRAPHY/ DIABETES INSIPIDUS, diagnosis/ DIENCEPHALON, pathology/ ENGLISH ABSTRACT/ *GRANULOMA/ GRANULOMA, cerebrospinal fluid/ GRANULOMA, complications/ GRANULOMA, pathology/ HUMAN/ *HYPOTHALAMUS/ HYPOTHALAMUS, pathology/ MALE/ MYCOSIS FUNGOIDES, pathology/ PNEUMOENCEPHALOGRAPHY/ RETICULOENDOTHELIOSIS, pathology/ SARCOIDOSIS, complications/ SARCOIDOSIS, pathology/ SARCOMA, RETICULUM CELL, pathology

4106. Voitkevich AA, Dedov II: Ul'trastrukturnye osnovy sosudistoi pronitsaemosti.
Usp Sovrem Biol 74:439-60, Nov-Dec 72 (69 ref.) (Rus)
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ BLADDER, blood supply/ CAPILLARIES, cytology/ *CAPILLARY PERMEABILITY/ CELL MEMBRANE, enzymology/ CILIARY BODY, blood supply/ CORONARY VESSELS, cytology/ CORPUS LUTEUM, blood supply/ CYTOPLASM/ DESMOSOMES/ EPITHELIAL CELLS/ INTESTINE, SMALL, blood supply/ LIVER, blood supply/ PHOSPHATASES, metabolism/ PINOCYTOSIS/ PITUITARY GLAND, blood supply/ REVIEW/ THYROID GLAND, blood supply

4107. Voitovitskii VK, Edygenova AK, Kabiev OK: Khromosomnaia kharakteristika opukholi pri izmenenii lekarstvennoi ustoichivosti (v éskperimente.
Vopr Onkol 19:77-82, 1973 (Rus)
*ANTINEOPLASTIC AGENTS/ CELL LINE/ *CHROMOSOME ABERRATIONS/ *DRUG RESISTANCE/ ENGLISH ABSTRACT/ FEMALE/ MELPHALAN, pharmacodynamics/ MERCAPTOPURINE, pharmacodynamics/ MITOSIS/ *OVARIAN NEOPLASMS, familial & genetic/ RATS/ THIO-TEPA, pharmacodynamics

4108. Vojtek V, Kodousek R, Fingerland A, et al: L'adiaspiromycose pulmonaire chez un enfant de 11 ans.
J Fr Med Chir Thorac 26:383-8, Jul-Aug 72 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ LUNG, pathology/ *LUNG DISEASES, FUNGAL/ LUNG DISEASES, FUNGAL, drug therapy/ LUNG DISEASES,

FUNGAL, pathology/ LUNG DISEASES, FUNGAL, radiography/ MALE/ *MONILIASIS

4109. **Vokov NF:** Anabolicheskie steroidy i funtsional'noe sostolanie pecheni (obzor literatury.
Klin Med (Mosk) 50:63-7, Dec 72 (Rus)
*ANABOLIC STEROIDS, pharmacodynamics/ ANABOLIC STEROIDS, therapeutic use/ ANDROGENS, adverse effects/ ANDROGENS, therapeutic use/ ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEPATITIS, drug therapy/ HEPATITIS, ANIMAL, drug therapy/ HEPATITIS, TOXIC, pathology/ HUMAN/ JAUNDICE, chemically induced/ LIVER CIRRHOSIS, drug therapy/ LIVER DISEASES, enzymology/ LIVER DISEASES, metabolism/ *LIVER FUNCTION TESTS/ MOLECULAR CONFORMATION/ PROTEINS, biosynthesis/ REVIEW/ SULFOBROMOPHTHALEIN, diagnostic use/ TESTOSTERONE, adverse effects

4110. **Volf V:** Dekorporierung von Radionukliden (untersuching an Polonium.
Strahlentherapie 145:101-15, Jan 73 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BRAIN CHEMISTRY/ *CHELATING AGENTS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ KIDNEY, analysis/ LIVER, analysis/ *POLONIUM, metabolism/ RATS/ RATS, INBRED STRAINS/ SPLEEN, analysis/ SULFHYDRYL COMPOUNDS, administration & dosage/ SULFHYDRYL COMPOUNDS, metabolism/ SULFONIC ACIDS, administration & dosage/ SULFONIC ACIDS, blood/ SULFONIC ACIDS, metabolism/ SULFONIC ACIDS, metabolism/ THIOCARBAMATES, administration & dosage/ THIOCARBAMATES, blood/ THIOCARBAMATES, metabolism/ TIME FACTORS

4111. **Volkov MI:** Lechenie ostrykh tsititov u zhenshchin.
Vrach Delo 12:90-1, Dec 72 (Rus)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ *ANALGESIA/ *CYSTITIS, therapy/ HUMAN/ *HYDROCORTISONE/ MIDDLE AGE/ *PROCAINE

4112. **Vollmer EP, Taylor DJ, Masnyk IJ, et al:** Estradiol mustard (NSC-112259)--clinical brochure.
Cancer Chemother Rep [Suppl] 4:Suppl:121-40, Jan 73
ADENOCARCINOMA, drug therapy/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, drug therapy/ CHEMISTRY/ CHROMATOGRAPHY, THIN LAYER/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOCRINE GLANDS, drug effects/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, therapeutic use/ ESTRADIOL, toxicity/ FEMALE/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ LEUKEMIA, EXPERIMENTAL, drug therapy/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MICE/ MUSTARD COMPOUNDS, blood/ MUSTARD COMPOUNDS, pharmacodynamics/ *MUSTARD COMPOUNDS, therapeutic use/ MUSTARD COMPOUNDS, toxicity/ NEOPLASM TRANSPLANTATION/ RATS/ RECEPTORS, DRUG

4113. **Vollmer EP, Taylor DJ, Masnyk IJ, et al:** Phenesterin (NSC-104469)--clinical brochure.
Cancer Chemother Rep [Suppl] 4:Suppl:103-19, Jan 73
ANIMAL EXPERIMENTS/ BLOOD CELLS, drug effects/ BLOOD CIRCULATION, drug effects/ CARBON ISOTOPES/ CENTRAL NERVOUS SYSTEM, drug effects/ CHEMISTRY/ DOGS/ ENDOCRINE GLANDS, drug effects/ FEMALE/ HAMSTERS/ KIDNEY, drug effects/ LETHAL DOSE 50/ LEUKEMIA, EXPERIMENTAL, drug therapy/ MALE/ MONKEYS/ NEOPLASMS, EXPERIMENTAL, drug therapy/ PHENESTERIN/ PHENESTERIN, metabolism/ *PHENESTERIN, therapeutic use/ PHENESTERIN, toxicity/ RATS/ SEX FACTORS/ TIME FACTORS/ TRITIUM

4114. **Volozhin SI:** Oshibki i oslozhenila khirurgicheskogo lecheniia khriptorkhizma.
Khirurgiia (Mosk) 48:89-92, Oct 72 (Rus)
ATROPHY/ *CRYPTORCHISM, surgery/ HUMAN/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS/ TESTICULAR DISEASES

4115. **Volpe JJ, Lyles TO, Roncari DA, et al:** Fatty acid synthetase of developing brain and liver. Content, synthesis, and degradation during development.
J Biol Chem 248:2502-13, 10 Apr 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BRAIN, enzymology/ BRAIN, growth & development/ DEFICIENCY DISEASES, enzymology/ DIETARY FATS/ FASTING/ FATTY ACID SYNTHETASE COMPLEX, biosynthesis/ *FATTY ACID SYNTHETASE COMPLEX, metabolism/ FEMALE/ GEL DIFFUSION TESTS/ KINETICS/ LACTATION/ *LIVER, enzymology/ LIVER, growth & development/ LYSINE, metabolism/ ORGAN SPECIFICITY/ PRECIPITIN TESTS/ PREGNANCY/ RABBITS, immunology/ RATS/ TRITIUM/ WEANING

4116. **Von Behrens WE:** On estimating areas in radiology and nuclear medicine. Australas Radiol 16:325-32, Sep 72
ADOLESCENCE/ ADULT/ ANTHROPOMETRY/ AUSTRALIAN RACE/ CHILD/ FEMALE/ GROWTH/ HUMAN/ INFANT, NEWBORN/ KIDNEY, anatomy & histology/ MALE/ PITUITARY GLAND, radiography/ *RADIOISOTOPE SCANNING/ SKULL, radiography/ *TECHNOLOGY, RADIOLOGIC

4117. **Von der Mark K, Bornstein P:** Characterization of the pro 1 chain of procollagen. Isolation of a sequence unique to the precursor chain.
J Biol Chem 248:2285-9, 10 Apr 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ CHICK EMBRYO/ *COLLAGEN, analysis/ COLLAGEN, biosynthesis/ CYANOGEN BROMIDE/ CYSTEINE, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ PEPTIDES, biosynthesis/ *PEPTIDES, isolation & purification/ PROTEIN CONFORMATION/ *PROTEIN PRECURSORS, analysis/ PROTEIN PRECURSORS, biosynthesis/ SKULL, metabolism/ SODIUM DODECYL SULFATE/ SULFUR ISOTOPES/ TRITIUM/ TRYPTOPHAN, metabolism

4118. **Vondra K, Rath R:** Reflex Achillovy šlachy u obezity.
Cesk Gastroenterol Vyz 27:136-43, Apr 73 (Cze)
*ACHILLES TENDON, physiopathology/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE/ OBESITY, etiology/ *OBESITY, physiopathology/ REFLEX, TENDON

4119. **Von Hungen K, Roberts S:** Catecholamine and Ca 2+ activation of adenylate cyclase systems in synaptosomal fractions from rat cerebral cortex.
Nature [New Biol] 242:58-60, 14 Mar 73
ACETYLCHOLINE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CELL FRACTIONATION/ CEREBRAL CORTEX, cytology/ *CEREBRAL CORTEX, enzymology/ CHELATING AGENTS, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GLUCAGON, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MITOCHONDRIA, enzymology/ MYELIN SHEATH, enzymology/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ *SYNAPTIC VESICLES, enzymology/ SYNAPTOSOMES, enzymology

4120. **Voogt JL, Meites J:** Suppression of proestrous and suckling-induced increase in serum prolactin by hypothalamic implant of prolactin.
Proc Soc Exp Biol Med 142:1056-8, Apr 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FATTY

ACIDS, pharmacodynamics/ FEMALE/ *LACTATION/ PROLACTIN, blood/ *PROLACTIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS

4121. Voronkov BV: O patogeneze i lechenii molnienosnykh i kivatel'nykh pripadkov.
Zh Nevropatol Psikhiatr 72:1554-6, 1972 (Rus)
ADRENAL GLAND HYPOFUNCTION, complications/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ *EPILEPSY/ EPILEPSY, drug therapy/ EPILEPSY, etiology/ EPILEPSY, physiopathology/ EPILEPSY, urine/ HUMAN/ INFANT/ 17-KETOSTEROIDS, urine/ PITUITARY-ADRENAL SYSTEM, physiopathology/ TIME FACTORS

4122. Voth D, Müller D, Possner R: Comparative studies on oxygen consumption, electrolyte metabolism and ultrastructure of the isolated rabbit choroid plexus.
J Hirnforsch 13:489-508, 1973 (Ger)
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CHOROID PLEXUS, analysis/ CHOROID PLEXUS, cytology/ *CHOROID PLEXUS, metabolism/ ENGLISH ABSTRACT/ EXTRACELLULAR SPACE/ IN VITRO/ MICROSCOPY, ELECTRON/ OXYGEN CONSUMPTION/ POTASSIUM, analysis/ RABBITS/ SODIUM, analysis/ SODIUM, metabolism/ SODIUM ISOTOPES

4123. Vukcevich WM, Adler RI, Hornblass AH, et al: Cataracts with obesity, small stature, oligophrenia, and acromicria (Prader-Labhart-Willi syndrome).
Am J Ophthalmol 75:258-60, Feb 73
*ABNORMALITIES, MULTIPLE, complications/ *CATARACT, complications/ CATARACT EXTRACTION/ CHILD/ HEART AUSCULTATION/ HEART ENLARGEMENT, complications/ HUMAN/ *HYPOGONADISM, complications/ MALE/ *MENTAL RETARDATION, complications/ OBESITY, complications/ SYNDROME/ VISUAL ACUITY

4124. Vusse GJ van der, Kalkman ML, Molen HJ van der: Endogenous production of steroids by subcellular fractions from total rat testis and from isolated interstitial tissue and seminiferous tubules.
Biochim Biophys Acta 297:179-85, 24 Jan 73
ANIMAL EXPERIMENTS/ CARBOXYLIC ACIDS/ CYTOCHROME OXIDASE, metabolism/ DNA, metabolism/ ESTERASES, metabolism/ LACTATE DEHYDROGENASE, metabolism/ MALE/ MITOCHONDRIA, metabolism/ *PREGNENOLONE, biosynthesis/ RATS/ SEMINAL VESICLES, enzymology/ *SEMINAL VESICLES, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TESTIS, cytology/ TESTIS, enzymology/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TRITIUM

W

4125. Wachs GN: Topical steroids--which one?
Int J Dermatol 12:8-9, Jan-Feb 73
FLUOCINOLONE ACETONIDE, administration & dosage/ FLUOCINOLONE ACETONIDE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, standards/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ HYDROCORTISONE, TOPICAL, therapeutic use/ PREDNISOLONE, TOPICAL, therapeutic use/ *SKIN DISEASES, drug therapy

4126. Wachtel SS, Gasser DL, Silvers WK: An association between H-2 and the expressivity of H-Y in murine skin grafts.
Transplant Proc 5:295-8, Mar 73
ANIMAL EXPERIMENTS/ FEMALE/ GENOTYPE/ *HISTOCOMPATIBILITY ANTIGENS/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ SEX CHROMOSOMES/ *SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

4127. Wada JA, Sato M, Corcoran ME: Antiepileptic properties of 9 -tetrahydrocannabinol.
Exp Neurol 39:157-65, Apr 73
ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, therapeutic use/ BEHAVIOR, ANIMAL, drug effects/ *CANNABIS, therapeutic use/ CATS/ *CONVULSIONS, drug therapy/ DISEASE MODELS, ANIMAL/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ FEMALE/ FRONTAL LOBE/ HIPPOCAMPUS/ HYPOTHALAMUS/ MALE/ MAMMILLARY BODIES/ TETRAHYDROCANNABINOL, therapeutic use/ THALAMIC NUCLEI

4128. Wadia NH, Irani PF, Katrak SM: Lumbosacral radiculomyelitis associated with pandemic acute haemorrhagic conjunctivitis.
Lancet 1:350-2, 17 Feb 73
ACUTE DISEASE/ ADULT/ CEREBROSPINAL FLUID PROTEINS, analysis/ CHILD/ *CONJUNCTIVITIS, complications/ *DISEASE OUTBREAKS/ ELECTROMYOGRAPHY/ FEMALE/ *HEMORRHAGE, complications/ HUMAN/ INDIA/ *LUMBOSACRAL REGION/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ *MYELITIS, complications/ PAIN, drug therapy/ *PERIPHERAL NERVE DISEASES, complications/ SEASONS/ *SPINAL NERVE ROOTS/ STEROIDS, therapeutic use/ SYNDROME

4129. Wagner F, Koob G, Hofmann KD, et al: Uber den Einfluss der Zytostatika auf die proteolytischen Fermente des menschlichen Ovars.
Zentralbl Gynaekol 95:253-8, 23 Feb 73 (Ger)
ADULT/ ALKYLATING AGENTS, pharmacodynamics/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ *CATHEPSIN, metabolism/ CYCLOPHOSPHAMIDE, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARY, drug effects/ OVARY, enzymology/ TRIAZIQUONE, pharmacodynamics

4130. Wagner H, Röllinghoff M: Cell-mediated immunity in vitro against syngeneic mouse plasma tumour cells.
Nature [New Biol] 241:53-4, 10 Jan 73
ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM/ CHROMIUM ISOTOPES/ CORTISONE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ HISTOCOMPATIBILITY ANTIGENS/ *IMMUNITY, CELLULAR/ IMMUNOSUPPRESSION/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ MICE/ MICE, INBRED BALB C/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, immunology/ *PLASMACYTOMA, immunology/ TRANSPLANTATION, HOMOLOGOUS

4131. Wahi PN: Drugs and agents used for fertility control.
Indian J Physiol Pharmacol 16:177-9, Jul-Sep 72
ABORTION, INDUCED/ ANIMAL EXPERIMENTS/ *CONTRACEPTIVE AGENTS/ CONTRACEPTIVES, ORAL/ HUMAN/ *INTRAUTERINE DEVICES/ PROSTAGLANDINS

4132. Wahl AR, Röher HD: Pseudohyperparathyreoidismus als paraneoplastisches Syndrom bei einem Fall von Magenkarzinom.
Dtsch Med Wochenschr 98:565-8, 16 Mar 73 (Ger)
ADULT/ BIOPSY/ BLOOD UREA NITROGEN/ CALCIUM, blood/ *CARCINOMA, SCIRRHOUS, complications/ CREATININE, blood/ DIURETICS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, complications/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, pathology/ MALE/ PHOSPHATES, blood/ *STOMACH NEOPLASMS, complications

4133. Wahner HW: Serum triiodothyronine measurements by the Sterling method: a critical evaluation.
Am J Clin Pathol 59:524-30, Apr 73
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ HUMAN/ IODINE ISOTOPES/ THYROID DISEASES, diagnosis/ THYROXINE, isolation & purification/ *TRIIODOTHYRONINE, blood

4134. Wain WH: The biosynthesis of thyroxine incorporation of (U- 14 C) tyrosine into thyroglobulin by mouse thyroid glands in vivo and in vitro.
J Endocrinol 56:173-85, Feb 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ CHROMATOGRAPHY, PAPER/ DEPRESSION, CHEMICAL/ DIIODOTYROSINE, biosynthesis/ ELECTROPHORESIS, PAPER/ FEMALE/ IN VITRO/ IODINE, metabolism/ IODINE ISOTOPES/ IODOTYROSINE, biosynthesis/ MICE/ PROPYLTHIOURACIL, pharmacodynamics/ *THYROGLOBULIN, biosynthesis/ *THYROID GLAND, metabolism/ *THYROXINE, biosynthesis/ *TYROSINE, metabolism/ ULTRACENTRIFUGATION

4135. Wakabayashi K, Date Y, Tamaoki BI: On the mechanism of action of luteinizing hormone-releasing factor and prolactin release inhibiting factor.
Endocrinology 92:698-704, Mar 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ FLUORIDES, pharmacodynamics/ HYPOTHALAMUS/ IN VITRO/ *LH, metabolism/ MALE/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ POTASSIUM, pharmacodynamics/ *PROLACTIN, antagonists & inhibitors/ RATS/ THEOPHYLLINE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics

4136. Wakeling A, Haq A, Naftolin F, et al: Studies on the activity of the pituitary-gonadal axis in the XYY syndrome. Psychol Med 5:28-38, Feb 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY HEIGHT/ BODY WEIGHT/ GONADOTROPINS, PITUITARY, urine/ HOSPITALS, PSYCHIATRIC/ HUMAN/ KARYOTYPING/ LH, blood/ MALE/ PHENOTYPE/ *PITUITARY GLAND, physiopathology/ PITUITARY GLAND, secretion/ PRISONERS/ PRISONS/ SEX CHROMOSOME ABNORMALITIES, blood/ *SEX CHROMOSOME ABNORMALITIES, physiopathology/ SEX CHROMOSOME ABNORMALITIES, urine/ *TESTIS, physiopathology/ TESTIS, secretion/ TESTOSTERONE, blood/ TESTOSTERONE, urine

4137. Walas E, Paradysz A, Stanek J: Pochwowe rozmazy cytohormonalne u ciężarnych kobiet z zespołami podwzgórzowymi. 3. Indeksy kariopiknozy, eozynofilii, grupowania, zwijania i komórek łódkowatych.
Ginekol Pol 44:257-61, Mar 73 (Pol)
CELL NUCLEUS/ ENGLISH ABSTRACT/ EOSINOPHILS/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYPOTHALAMUS/ *PREGNANCY/ *PREGNANCY COMPLICATIONS/ SYNDROME/ *VAGINAL SMEARS

4138. Waldenström JG: Systematic serum calcium screening--will it be necessary?
Acta Med Scand 193:145-6, Mar 73
*CALCIUM, blood/ CALCIUM, metabolism/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, metabolism/ MASS SCREENING

4139. Waldhart E: Das Verhalten der Pulpa mehrwurzeliger Zähne mit weitem Foramen apicale nach Durchtrennung des Gefässnervenbündels im Apexbereich. Osterr Z Stomatol 70:11-33, Jan 73 (Ger)
ANIMAL EXPERIMENTS/ *BLOOD VESSELS, surgery/ CALCIFICATION, PHYSIOLOGIC/ DENERVATION/ *DENTAL PULP, pathology/ DENTAL PULP GANGRENE, etiology/ DENTIN, SECONDARY/ DOGS/ JAW, radiography/ MOLAR/ *NERVE TISSUE, surgery/ ODONTOBLASTS/ TOOTH ROOT

4140. Waldschmidt M: Metabolite levels and enzyme activities in the bovine mammary gland at different stages of lactation. I. Metabolite levels related to energy production. J Dairy Res 40:7-15, Feb 73
ADENOSINE DIPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ DNA, analysis/ FEMALE/ LACTATES, analysis/ *LACTATION/ MALATES, analysis/ NAD, analysis/ PYRUVATES, analysis/ RNA, analysis/ UDDER, analysis/ UDDER, enzymology/ *UDDER, metabolism

4141. Walker CK, Elliot JM: Effect of roughage restriction on serum insulin in the dairy cow.
J Dairy Sci 56:375-7, Mar 73
ACETATES, analysis/ ANIMAL EXPERIMENTS/ *ANIMAL FEED/ *CATTLE, metabolism/ CHROMATOGRAPHY, GAS/ FATS, analysis/ FATTY ACIDS, VOLATILE, analysis/ FEMALE/ GRASSES/ *INSULIN, blood/ LACTATION/ LACTOSE, analysis/ MILK, analysis/ PROPIONATES, analysis/ RUMEN, analysis

4142. Walker E: Research on prostaglandins reveals potential uses. Mod Nurs Home 30:4 passim, Apr 73
PROSTAGLANDINS/ SPECIAL LIST NURSING

4143. Walker WG, Cooke CR: Plasma aldosterone regulation in anephric man. Kidney Int 3:1-5, Jan 73
*ALDOSTERONE, blood/ ALDOSTERONE, secretion/ ANGIOTENSIN, physiology/ CORTICOTROPIN, physiology/ HUMAN/ KIDNEY, physiology/ *NEPHRECTOMY/ POSTURE/ POTASSIUM, physiology/ RENIN, physiology/ SODIUM, physiology

4144. Wall JR, Jarrett RJ, Zimmet PZ, et al: Fall in plasma-testosterone levels in normal male subjects in response to an oral glucose load.
Lancet I:967-8, 5 May 73
ADULT/ DEPRESSION, CHEMICAL/ *GLUCOSE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ *LH, secretion/ MALE/ MIDDLE AGE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *TESTOSTERONE, blood

4145. Wallace DC, Murphy KJ, Kelly L, et al: The basal cell naevus syndrome. Report of a family with anosmia and a case of hypogonadotrophic hypopituitarism.
J Med Genet 10:30-3, Mar 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ADULT/ *ANOSMIA, familial & genetic/ *AUTOSOME ABNORMALITIES, familial & genetic/ *CARCINOMA, BASAL CELL, familial & genetic/ CATARACT, familial & genetic/ FEMALE/ HUMAN/ *HYPOGONADISM, familial & genetic/ JAW DISEASES, familial & genetic/ MALE/ ODONTOGENIC CYSTS, familial & genetic/ PEDIGREE/ SYNDROME

4146. Wallace RE, Vasington PJ, Petricciani JC, et al: Diploid cell lines from subhuman primates as substrates for virus vaccine production.
Prog Immunobiol Stand 5:181-6, 1972
ANIMAL EXPERIMENTS/ *CELL LINE/ CELL SURVIVAL/ DIPLOIDY/ EPITHELIAL CELLS/ FEMALE/ FETUS/ FIBROBLASTS/ KARYOTYPING/ KIDNEY/ LUNG/ MACACA/ MALE/ MONKEYS/ MUSCLES/ MYOCARDIUM/ PREGNANCY/ RUBELLA VIRUS, growth & development/ SEX CHROMOSOMES/ SKIN/ *VIRAL VACCINES/ VIRUS CULTIVATION

4147. Wallach JD: Surgical techniques for cage birds.
Vet Clin N Amer 3:229-36, May 73
AMPUTATION/ ANIMAL EXPERIMENTS/ *BIRD DISEASES, surgery/ BIRDS/ CROP, AVIAN/ EYE INJURIES, veterinary/ FEMALE/ FOREIGN BODIES, veterinary/ HEMOSTASIS/ MALE/ METHODS/ MOUTH NEOPLASMS, veterinary/ OVARIAN NEOPLASMS, veterinary/ OVIDUCTS/ PAPILLOMA, veterinary/ PREOPERATIVE CARE/ SINUSITIS, veterinary/ SKIN NEOPLASMS, veterinary/ SURGICAL INSTRUMENTS/ TESTICULAR NEOPLASMS, veterinary

4148. **Wallis M, Dew JA:** The bioassay of growth hormone in Snell's dwarf mice: effects of thyroxine and prolactin on the dose-response curve.
J Endocrinol 56:235-43, Feb 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ *DWARFISM, PITUITARY, drug therapy/ DWARFISM, PITUITARY, familial & genetic/ MICE/ MICE, INBRED STRAINS/ PROLACTIN, pharmacodynamics/ *PROLACTIN, therapeutic use/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, therapeutic use/ THYROXINE, pharmacodynamics/ *THYROXINE, therapeutic use

4149. **Walsh AF, White FH, Warnick AC:** The effects of erythritol, FSH and female gonadal hormones on the growth in vitro of Vibrio fetus var. venerealis.
J Reprod Fertil 32:465-71, Mar 73
CULTURE MEDIA/ *ERYTHRITOL, pharmacodynamics/ *ESTRONE, pharmacodynamics/ *FSH, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ *VIBRIO, growth & development/ VIBRIO FETUS, drug effects/ VIBRIO FETUS, growth & development

4150. **Waltman R, Tricomi V, Palav AB:** Mid-trimester hypertonic saline--induced abortion: effect of indomethacin on induction-abortion time.
Am J Obstet Gynecol 114:829-31, 15 Nov 72
*ABORTION, INDUCED/ FEMALE/ *GESTATIONAL AGE/ HUMAN/ HYPERTONIC SOLUTIONS/ *INDOMETHACIN, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ *SODIUM CHLORIDE/ TIME FACTORS

4151. **Wang JH, O'Kelly B, Jones MZ, et al:** Methylazoxymethanol-acetate induced neurotoxicity of chick embryos.
Proc Soc Exp Biol Med 143:275-8, May 73
ACETIC ACIDS, pharmacodynamics/ ACETIC ACIDS, toxicity/ *ADENYL CYCLASE, metabolism/ ALCOHOL, METHYL, pharmacodynamics/ ALCOHOL, METHYL, toxicity/ ANIMAL EXPERIMENTS/ AZO COMPOUNDS, pharmacodynamics/ *AZO COMPOUNDS, toxicity/ *BRAIN CHEMISTRY, drug effects/ *CEREBELLUM, drug effects/ CEREBELLUM, enzymology/ CEREBELLUM, metabolism/ CHICK EMBRYO/ METHYL ETHER, toxicity/ *MOTOR ACTIVITY, drug effects/ ORGAN WEIGHT

4152. **Wannigama GP, Cavé A:** Alcaloïdes stéroïdiques. 8I. Alcaloïdes des écorces de l'Holarrhena mitis R. Br.
Ann Pharm Fr 30:535-44, Jul-Aug 72 **(Fre)**
ACETYLATION/ *ALKALOIDS, analysis/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ METHYLATION/ STEROIDS, analysis/ *TREES

4153. **Ward GD, Sutherst JR:** Pruritus vulvae.
Br Med J 2:243, 28 Apr 73
ANTI-INFECTIVE AGENTS, adverse effects/ CLOTHING/ CONTRACEPTIVES, ORAL, adverse effects/ DEODORANTS, adverse effects/ DETERGENTS, adverse effects/ DRUG HYPERSENSITIVITY/ FEMALE/ HUMAN/ PRURITUS VULVAE, chemically induced/ *PRURITUS VULVAE, etiology

4154. **Warden GD, Reemtsma K, Steinmuller D:** The phenomenon of adaptation: graft or host?
Transplant Proc 5:635-9, Mar 73
ADAPTATION, BIOLOGICAL/ ANIMAL EXPERIMENTS/ CORNEA, immunology/ *GRAFT REJECTION/ HISTOCOMPATIBILITY/ NECK, immunology/ RATS/ RATS, INBRED STRAINS/ THYROID GLAND, transplantation/ THYROXINE, blood/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY

4155. **Wardle EN:** Exchangeable sodium and renin in hypertension. Lancet 809:934-5, 28 Apr 73
EXTRACELLULAR SPACE, metabolism/ HUMAN/ *HYPERTENSION, metabolism/ RENIN, blood/ *RENIN, metabolism/ SODIUM, metabolism

4156. **Warembourg H, Bertrand ME, Vasseur P, et al:** Surveillance hémodynamique au long cours des péricardites tuberculeuses.
Arch Mal Coeur 65:875-83, Jul 72 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ AMINOSALICYLIC ACID, therapeutic use/ *BLOOD PRESSURE/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ ETHIONAMIDE, therapeutic use/ FEMALE/ HEART CATHETERIZATION/ HUMAN/ LONG TERM CARE/ MALE/ MIDDLE AGE/ PERICARDITIS, complications/ PERICARDITIS, mortality/ *PERICARDITIS, physiopathology/ PERICARDITIS, therapy/ PROGNOSIS/ STREPTOMYCIN, therapeutic use/ TUBERCULOSIS, CARDIOVASCULAR, complications/ TUBERCULOSIS, CARDIOVASCULAR, mortality/ *TUBERCULOSIS, CARDIOVASCULAR, physiopathology/ TUBERCULOSIS, CARDIOVASCULAR, therapy

4157. **Warembourg H, Delomez M, Carre A, et al:** Association de lésions congénitales et de séquelles d'hypercalcémie idiopathique sous forme de sténoses étagées de la voie aortique et d'une sténose mitrale.
Arch Mal Coeur 65:1349-56, Nov 72 **(Fre)**
ADULT/ ANGIOCARDIOGRAPHY/ AORTIC COARCTATION/ *AORTIC VALVE, abnormalities/ AORTIC VALVE STENOSIS, complications/ AORTIC VALVE STENOSIS, congenital/ CASE REPORT/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEART CATHETERIZATION/ HEART ENLARGEMENT, congenital/ HEART ENLARGEMENT, etiology/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERTENSION, PULMONARY, complications/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, complications/ *IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, congenital/ MITRAL VALVE STENOSIS, complications/ *MITRAL VALVE STENOSIS, congenital/ NEPHROCALCINOSIS, etiology/ *PULMONARY VALVE

4158. **Warren MP:** Metabolic effects of contraceptive steroids. Am J Med Sci 265:4-21, Jan 73 (62 ref.)
ADOLESCENCE/ ADULT/ AMINO ACIDS, blood/ BLOOD PRESSURE, drug effects/ BLOOD PROTEINS, metabolism/ *CARBOHYDRATES, blood/ CHEMISTRY/ CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *LIPIDS, blood/ LIPOPROTEINS, blood/ LIVER, drug effects/ MIDDLE AGE/ RESPIRATION, drug effects/ REVIEW/ SODIUM, metabolism/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality/ TRIGLYCERIDES, blood

4159. **Warshaw AL:** Management of starch peritonitis without the unnecessary second operation.
Surgery 73:681-5, May 73
ADULT/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ASCITIC FLUID/ FEMALE/ GLOVES, SURGICAL, adverse effects/ HUMAN/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PERITONITIS, drug therapy/ *PERITONITIS, etiology/ *POSTOPERATIVE COMPLICATIONS, drug therapy/ PREDNISONE, therapeutic use/ *STARCH, adverse effects

4160. **Wasserman RH, Taylor AN:** Intestinal absorption of phosphate in the chick: effect of vitamin D and other parameters. J Nutr 103:586-99, Apr 73
ACETIC ACIDS, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARSENIC, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ CHICKENS/ *CHOLECALCIFEROL, pharmacodynamics/

CHOLECALCIFEROL, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUODENUM, metabolism/ GLYCOLS, pharmacodynamics/ ILEUM, metabolism/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, metabolism/ INTESTINAL SECRETIONS, metabolism/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, metabolism/ JEJUNUM, metabolism/ OSMOLAR CONCENTRATION/ PHENYLALANINE, pharmacodynamics/ *PHOSPHATES, metabolism/ PHOSPHONIC ACIDS, pharmacodynamics/ PHOSPHORUS ISOTOPES/ VITAMIN D DEFICIENCY, drug therapy/ VITAMIN D DEFICIENCY, metabolism

4161. Watanabe S, Morimoto Y, Ueki S: [Electroencephalographic effects of doxepin hydrochloride]
Folia Pharmacol Jap 68:309-36, Nov 72 (Jap)
AMITRIPTYLINE, pharmacodynamics/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ AROUSAL, drug effects/ CATS/ CHLORPROMAZINE, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ *DIBENZOXEPINS, pharmacodynamics/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HIPPOCAMPUS, drug effects/ IMIPRAMINE, pharmacodynamics/ MALE/ MESENCEPHALON, drug effects/ PHOTIC STIMULATION/ PHYSICAL STIMULATION/ RABBITS/ RECRUITMENT (NEUROLOGY), drug effects/ REFLEX, drug effects

4162. Watson D, Gibbard S: Automated determination of serum cystine aminopeptidase.
Clin Biochem 6:60-1, Mar 73
*AMINOPEPTIDASES, blood/ AMINOPEPTIDASES, metabolism/ ANILIDES/ AUTOANALYSIS/ BENZYL COMPOUNDS/ CYSTINE/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ NITRO COMPOUNDS/ OXYTOCIN/ PLACENTA, enzymology/ *PREGNANCY/ SPECTROPHOTOMETRY, ULTRAVIOLET

4163. Watson D, Siddiqui SA, Stafford JE, et al: A comparative study of five laboratory tests for foeto-placental dysfunction in late pregnancy.
J Clin Pathol 26:249-300, Apr 73
AMINOPEPTIDASES, blood/ BLOOD PROTEINS/ COMPARATIVE STUDY/ CYSTINE/ ESTRIOL, blood/ ESTRIOL, urine/ ESTROGENS, urine/ FEMALE/ HUMAN/ ISOENZYMES, blood/ METHODS/ PHOSPHATASES, blood/ PLACENTA, enzymology/ PLACENTA DISORDERS, blood/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, enzymology/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ TIME FACTORS

4164. Watson L: Endocrine bone disease.
Practitioner 210:376-83, Mar 73
DIETHYLSTILBESTROL, therapeutic use/ HUMAN/ METHYLTESTOSTERONE, therapeutic use/ *OSTEITIS FIBROSA CYSTICA, diagnosis/ OSTEITIS FIBROSA CYSTICA, therapy/ *OSTEOMALACIA, diagnosis/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, radiography/ PARATHYROID NEOPLASMS, surgery/ VITAMIN D, therapeutic use

4165. Wattre P, Camus D: L'alpha foeto protéine ou fétuine et son intérêt en biologie humaine.
Lille Med 17:1454-9, Nov 72 (Fre)
*FETAL GLOBULINS/ GEL DIFFUSION TESTS/ GESTATIONAL AGE/ HEPATOMA, diagnosis/ HUMAN/ LIVER NEOPLASMS, diagnosis/ *NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TERATOID TUMOR, diagnosis/ TESTICULAR NEOPLASMS, diagnosis

4166. Waxman J, Lockshin M: In vitro and in vivo cellular immunity in anergic miliary tuberculosis.
Am Rev Respir Dis 107:661-4, Apr 73
ADULT/ ANTIGENS/ CELL MIGRATION INHIBITION/ CHLORINE/ DEOXYURIDINE, metabolism/ HERPES ZOSTER, complications/ HERPES ZOSTER, drug therapy/ HUMAN/ *IMMUNITY, CELLULAR/ IODINE ISOTOPES/ ISONIAZID, therapeutic use/ LYMPHOCYTE TRANSFORMATION/ MALE/ NITROBENZENES/ PREDNISONE, therapeutic use/ RIFAMPIN, therapeutic use/ *SKIN, immunology/ SKIN TESTS/ TUBERCULIN TEST/ TUBERCULOSIS, MILIARY, complications/ TUBERCULOSIS, MILIARY, drug therapy/ *TUBERCULOSIS, MILIARY, immunology

4167. Wayner MJ, Greenberg I, Fraley S, et al: Effects of 9 -tetrahydrocannabinol and ethyl alcohol on adjunctive behavior and the lateral hypothalamus.
Physiol Behav 10:109-32, Jan 73
ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM/ ANIMAL EXPERIMENTS/ *CANNABIS, pharmacodynamics/ CONDITIONING, OPERANT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR, drug effects/ DRUG ADDICTION/ EATING/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ MODELS, BIOLOGICAL/ NEURONS, physiology/ RATS/ REINFORCEMENT SCHEDULE/ SELF STIMULATION/ TETRAHYDROCANNABINOL, administration & dosage/ TETRAHYDROCANNABINOL, pharmacodynamics

4168. Webb MJ, Decker DG, Mussey E, et al: Factor influencing survival in Stage I ovarian cancer.
Am J Obstet Gynecol 116:222-8, 15 May 73
ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ ADULT/ CYSTADENOCARCINOMA, radiotherapy/ CYSTADENOCARCINOMA, surgery/ *CYSTADENOCARCINOMA, therapy/ CYSTADENOMA, MUCINOUS, radiotherapy/ CYSTADENOMA, MUCINOUS, surgery/ *CYSTADENOMA, MUCINOUS, therapy/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy

4169. Webbe C, Webbe G: A comparison of Egyptian and East African strains of Schistosoma haematobium.
J Helminthol 47:49-59, 1973
AFRICA, EASTERN/ ANIMAL EXPERIMENTS/ COLON/ EGYPT/ HAMSTERS/ LIVER/ MALE/ OVUM/ PARASITE EGG COUNT/ RECTUM/ *SCHISTOSOMA HAEMATOBIUM/ SCHISTOSOMA HAEMATOBIUM, anatomy & histology/ SCHISTOSOMA HAEMATOBIUM, growth & development/ SCHISTOSOMA HAEMATOBIUM, physiology/ SCHISTOSOMIASIS, mortality/ SEX RATIO/ SPECIES SPECIFICITY/ TESTIS, anatomy & histology

4170. Wechsler M, Gerfo PL, Feminella J, et al: The cancer associated antigen test as an index to failure of complete removal of urological cancers.
J Urol 109:699-701, Apr 73
*ANTIGENS, NEOPLASM, isolation & purification/ BLADDER NEOPLASMS, immunology/ CARCINOMA, immunology/ HUMAN/ KIDNEY NEOPLASMS, immunology/ PENILE NEOPLASMS, immunology/ PROSTATIC NEOPLASMS, immunology/ TESTICULAR NEOPLASMS, immunology/ *UROGENITAL NEOPLASMS, immunology

4171. **Weeke E, Thaysen JH:** Extracorporeal irradiation of the blood. Clinical results after necro-kidney transplantation. Acta Med Scand 193:181-8, Mar 73
ADOLESCENCE/ ADULT/ AGED/ ANGIOGRAPHY/ ANTIGEN-ANTIBODY REACTIONS/ ANURIA/ *BLOOD, radiation effects/ CHILD/ FEMALE/ GLOMERULONEPHRITIS, surgery/ *GRAFT REJECTION, radiation effects/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PYELONEPHRITIS, surgery/ *RADIATION EFFECTS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION IMMUNOLOGY/ UROGRAPHY

4172. **Weeks CM, Duax WL, Wolff ME:** A comparison of the molecular structures of six corticosteroids.
J Am Chem Soc 95:2865-8, 2 May 73
*CORTISONE/ *FLUDROCORTISONE/ *HYDROCORTISONE/ *METHYLPREDNISOLONE/ MOLECULAR CONFORMATION/ X-RAY DIFFRACTION

4173. **Wehinger H:** Untersuchungen über die Erythrocyten-Carboanhydrasen bei pathologischen Zuständen im Kindesalter.
Z Kinderheilkd 114:163-74, 4 Apr 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ ANEMIA, HYPOCHROMIC, enzymology/ CARBONIC ANHYDRASE, biosynthesis/ *CARBONIC ANHYDRASE, blood/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *ERYTHROCYTES, enzymology/ HEART DEFECTS, CONGENITAL, enzymology/ HUMAN/ INFANT/ LEUKEMIA, MYELOCYTIC, enzymology/ MONGOLISM, enzymology/ RESPIRATORY INSUFFICIENCY, enzymology/ THALASSEMIA, enzymology/ THYROID HORMONES, pharmacodynamics

4174. **Wei E, Loh HH, Way EL:** Brain sites of precipitated abstinence in morphine-dependent rats.
J Pharmacol Exp Ther 185:108-15, Apr 73
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ CATHETERIZATION/ CEREBRAL CORTEX, drug effects/ *CEREBRAL VENTRICLES, drug effects/ *DRUG WITHDRAWAL SYMPTOMS/ GANGLIA, BASAL, drug effects/ HIPPOCAMPUS, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ *MORPHINE ADDICTION/ *NALOXONE, pharmacodynamics/ RATS/ THALAMUS, drug effects

4175. **Wei E, Maran JW, Dhariwal AP, et al:** Regional responses of the pituitary to corticotropin-releasing factor (CRF) and ammonium ions.
Endocrinology 92:710-5, Mar 73
*AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, metabolism/ *CORTICOTROPIN RELEASING FACTOR, pharmacodynamics/ DYES/ FEMALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RATS

4176. **Weidmann P, Reinhart R, Maxwell MH, et al:** Syndrome of hyporeninemic hypoaldosteronism and hyperkalemia in renal disease.
J Clin Endocrinol Metab 36:965-77, May 73
ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ AGING/ *ALDOSTERONE, blood/ ANGIOTENSIN, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ DIET, SALT-FREE/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERKALEMIA, complications/ JUXTAGLOMERULAR APPARATUS, physiopathology/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, physiopathology/ MALE/ MIDDLE AGE/ POSTURE/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ SODIUM, urine/ SYNDROME

4177. **Weil-Malherbe H:** Modulators of glutaminase activity.
J Neurochem 19:2257-67, Oct 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ ESTERS/ GLUTAMINASE, antagonists & inhibitors/ *GLUTAMINASE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ KIDNEY, enzymology/ KINETICS/ PHOSPHATES, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS

4178. **Weill J, Bernfeld J:** Syndrome de Klinefelter chez un enfant de petite taille. Mosaïque XY XX.
Ann Endocrinol (Paris) 33:539-40, Sep-Oct 72 (Fre)
ADOLESCENCE/ BODY HEIGHT/ CHILD/ ENGLISH ABSTRACT/ *GROWTH DISORDERS, complications/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ MENTAL DISORDERS, etiology/ *MOSAICISM/ TESTIS, growth & development

4179. **Weimann G, Burkhardt H, Rommel K, et al:** Der Kollagenstoffwechsel bei kombinierten Behandlungen der rheumatoiden Arthritis.
Med Klin 68:344-50, 16 Mar 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, metabolism/ ARTHRITIS, RHEUMATOID, therapy/ ARTHRITIS, RHEUMATOID, urine/ AZATHIOPRINE, therapeutic use/ BATHS/ *COLLAGEN, metabolism/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYDROXYPROLINE, urine/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, therapeutic use/ PHYSICAL THERAPY/ PREDNISOLONE, therapeutic use

4180. **Weinberg AG, Currarino G, Stone IC Jr:** Testicular microlithiasis. Arch Pathol 95:312-4, May 73
*CALCINOSIS, pathology/ CALCINOSIS, radiography/ CHILD/ HUMAN/ MALE/ *TESTICULAR DISEASES, pathology/ TESTICULAR DISEASES, radiography

4181. **Weinberger MH, Petersen LP, Herr MJ, et al:** The effect of supine and lateral recumbency on plasma renin activity during pregnancy.
J Clin Endocrinol Metab 36:991-4, May 73
ADOLESCENCE/ ADULT/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY, blood supply/ *POSTURE/ *PREGNANCY/ REGIONAL BLOOD FLOW/ *RENIN, blood/ UTERUS, physiology

4182. **Weiner M, Olson JW:** The behavioral effects of dibutyryl cyclic AMP in mice.
Life Sci [I] 12:345-56, 15 Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ *EXPLORATORY BEHAVIOR, drug effects/ MALE/ MICE/ MICE, INBRED ICR/ *MOTOR ACTIVITY, drug effects/ TIME FACTORS

4183. **Weinreich D, McCaman MW, McCaman RE, et al:** Chemical, enzymatic and ultrastructural characterization of 5-hydroxytryptamine-containing neurons from the ganglia of Aplysia californica and Tritionia diomedia. J Neurochem 20:969-76, Apr 73
ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CARBOXY-LYASES, metabolism/ DOPA/ FLUORESCENCE SPECTROMETRY/ *GANGLIA, cytology/ MICROSCOPY, ELECTRON/ *NEURONS, analysis/ NEURONS, cytology/ NEURONS, enzymology/ NEURONS, metabolism/ *SEROTONIN, analysis/ *SNAILS

4184. **Weinshenker NM, Ramwell PW:** Review of the Intra-Science Research Foundation Symposium on the chemistry and pharmacology of prostaglandins.
Prostaglandins 1:83-5, Jan 72

ANIMAL EXPERIMENTS/ BRONCHI, drug effects/ BRONCHODILATOR AGENTS/ CELL MEMBRANE/ CONGRESSES/ FEMALE/ PROSTAGLANDINS/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ SPECIAL LIST REPRODUCTION/ UTERUS, drug effects

4185. **Weinstein Y, Melmon KL, Bourne HR, et al:** Specific leukocyte receptors for small endogenous hormones. Detection by cell binding to insolubilized hormone preparations. J Clin Invest 52:1349-61, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ALANINE/ ANTIHISTAMINICS, pharmacodynamics/ CATTLE/ *HISTAMINE, metabolism/ HISTAMINE, pharmacodynamics/ HUMAN/ IN VITRO/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ METHODS/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ POLYMERS/ POLYSACCHARIDES/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *RECEPTORS, HORMONE/ SERUM ALBUMIN/ SERUM ALBUMIN, BOVINE/ SOLUBILITY/ TYROSINE

4186. **Weir BJ:** The induction of ovulation and oestrus in the chinchilla. J Reprod Fertil 33:61-8, Apr 73
ANIMAL EXPERIMENTS/ BREEDING/ *CHINCHILLAS, physiology/ COITUS/ *ESTRUS, drug effects/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ *OVULATION, drug effects

4187. **Weir RJ, Fraser R, Morton JJ, et al:** Angiotensin, aldosterone and DOC in hypertensive disease of pregnancy. Scott Med J 18:64, Mar 73
*ALDOSTERONE, blood/ *ANGIOTENSIN, blood/ *DESOXYCORTICOSTERONE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, etiology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PROTEINURIA, blood/ PROTEINURIA, etiology/ RADIOIMMUNOASSAY/ RENIN, blood

4188. **Weis JS, Weis P:** Behavioral changes in the goldfish, Carassius auratus, produced by treatment with nerve growth factor. Physiol Behav 9:367-72, Sep 72
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ CYPRINIDAE/ FEAR/ GANGLIA, drug effects/ HOUSING, ANIMAL/ LOCOMOTION, drug effects/ MOTION PICTURES/ MOTOR ACTIVITY, drug effects/ *NERVE GROWTH FACTOR, pharmacodynamics/ ORIENTATION, drug effects/ SOCIAL BEHAVIOR

4189. **Weiss B:** L'excitabilité neuromusculaire dans le diagramme électromyographique et l'étiopathogénèse du hégalement à la lumière de nos recherches.
Acta Otorhinolaryngol Belg 27:34-7, 1973 **(Fre)**
ADOLESCENCE/ ADULT/ CALCIUM, therapeutic use/ CHILD/ ELECTROMYOGRAPHY/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, complications/ MALE/ *MUSCLES, physiopathology/ NEUROMUSCULAR JUNCTION, physiology/ NEUROMUSCULAR SPINDLES, physiopathology/ STUTTERING, drug therapy/ STUTTERING, etiology/ *STUTTERING, physiopathology

4190. **Weiss B, Handzel L:** Le traitement de certains aspects du hégalement.
Acta Otorhinolaryngol Belg 27:38-41, 1973 **(Fre)**
*CALCIUM, therapeutic use/ *CHOLECALCIFEROL, therapeutic use/ HUMAN/ *STUTTERING, drug therapy

4191. **Weiss HJ:** Bleeding disorders due to abnormal platelet function.
Med Clin North Am 37:517-30, Mar 73 (58 ref.)
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ASPIRIN, adverse effects/ BLOOD COAGULATION/ *BLOOD COAGULATION DISORDERS, etiology/ BLOOD COAGULATION FACTORS/ BLOOD COAGULATION TESTS/ BLOOD PLATELET DISORDERS, chemically induced/ *BLOOD PLATELET DISORDERS, complications/ BLOOD PLATELET DISORDERS, congenital/ BLOOD PLATELET DISORDERS, etiology/ BLOOD PLATELET DISORDERS, physiopathology/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, physiology/ CLOT RETRACTION/ EPINEPHRINE, pharmacodynamics/ HEMOSTASIS/ HUMAN/ LIVER DISEASES, complications/ MYELOPROLIFERATIVE DISORDERS, complications/ PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, adverse effects/ REVIEW/ UREMIA, complications/ VON WILLEBRAND'S DISEASE, physiopathology

4192. **Weiss PA:** Progesteronbestimmung aus dem Plasma Schwangerer mittels Chromatogrammspektralphotometrie.
Endokrinologie 61:1-8, 1973 **(Ger)**
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ *PROGESTERONE, blood/ SPECTROPHOTOMETRY

4193. **Weissieder H:** Röntgenologische Darstellung des Lymphgefässsystems. Chirurg 44:97-101, Mar 73 **(Ger)**
ARM/ BREAST/ FEMALE/ HODGKIN'S DISEASE, radiography/ HUMAN/ IODINE ISOTOPES/ KIDNEY, transplantation/ LEG/ LYMPH NODES, radiography/ LYMPHATIC METASTASIS/ LYMPHATIC SYSTEM, abnormalities/ LYMPHEDEMA, radiography/ *LYMPHOGRAPHY/ MALE/ MELANOMA, radiotherapy/ METHODS/ NECK/ PHOSPHORUS ISOTOPES/ TESTIS/ THORACIC DUCT, radiography/ TRANSPLANTATION, HOMOLOGOUS

4194. **Weitlauf HM:** In vitro uptake and incorporation of amino acids by blastocysts from intact and ovariectomized mice. J Exp Zool 183:303-8, Mar 73
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ARGININE, metabolism/ CARBON ISOTOPES/ CASTRATION/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ LEUCINE, metabolism/ LYSINE, metabolism/ MALE/ MICE/ *OVARY, physiology/ OVULATION, drug effects/ OVUM, drug effects/ *OVUM, metabolism/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ VALINE, metabolism

4195. **Weitlauf HM:** Changes in the protein content of blastocysts from normal and delayed implanting mice. Anat Rec 176:121-3, May 73
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ *EMBRYO, metabolism/ FEMALE/ *MICE, embryology/ *NIDATION/ OVARY, cytology/ PREGNANCY/ PROTEINS, analysis/ *PROTEINS, biosynthesis/ TIME FACTORS

4196. **Welch BL, Goldberg AM:** Adrenal choline acetyltransferase activity: sustained effects of chronic intermittent psychological and psychosocial stimulation. Int J Neurosci 5:95-9, Mar 73
ACETYLCHOLINE, biosynthesis/ *ACETYLTRANSFERASES, metabolism/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, innervation/ *AGGRESSION/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ CHOLINE/ MALE/ MICE/ ORGAN WEIGHT/ SPLANCHNIC NERVES, metabolism/ STRESS, PSYCHOLOGICAL

4197. **Welleschik B:** Trachealstenose durch gutartige Struma im hohen Alter.
Monatsschr Ohrenheilkd Laryngorhinol 107:25-8, Jan 73 **(Ger)**

AGED/ ENGLISH ABSTRACT/ *GOITER, complications/ GOITER, radiography/ GOITER, surgery/ HUMAN/ MALE/ POSTOPERATIVE COMPLICATIONS/ RECURRENCE/ *TRACHEAL STENOSIS, etiology/ TRACHEAL STENOSIS, radiography/ TRACHEAL STENOSIS, surgery

4198. **Wells SA Jr, Burdick JF, Christiansen CL, et al:** Long-term survival of dogs transplanted with parathyroid glands as autografts and as allografts in immunosuppresed hosts.
Transplant Proc 5:769-71, Mar 73
CALCIUM, blood/ GRAFT REJECTION/ HISTOCOMPATIBILITY TESTING/ *IMMUNOSUPPRESSION/ *PARATHYROID GLANDS, transplantation/ RADIOIMMUNOASSAY/ *TRANSPLANTATION, AUTOLOGOUS/ *TRANSPLANTATION, HOMOLOGOUS

4199. **Wellwood JM, Ellis BG, Hall JH, et al:** Early warning of rejection? Br Med J 2:261-5, 5 May 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ *ALKALINE PHOSPHATASE, urine/ FEMALE/ GALACTOSIDASE, blood/ *GALACTOSIDASE, urine/ GLUCOSAMINIDASE, blood/ *GLUCOSAMINIDASE, urine/ GLUCOSIDASE, blood/ *GLUCOSIDASE, urine/ *GRAFT REJECTION/ HUMAN/ HYDROCORTISONE, therapeutic use/ *KIDNEY, transplantation/ LACTATE DEHYDROGENASE, blood/ LACTATE DEHYDROGENASE, urine/ MALE/ TRANSPLANTATION, HOMOLOGOUS

4200. **Welsch CW, Clemens JA:**
6-Methyl-8-beta-ergoline-acetonitrile-induced inhibition of mammary hyperplastic alveolar nodular development and growth in C3H-HeJ female mice.
Proc Soc Exp Biol Med 142:1067-71, Apr 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *ERGOLINES, pharmacodynamics/ FEMALE/ *MAMMAE, drug effects/ MICE/ *NITRILES, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects

4201. **Welschen R:** Effect of unilateral ovariectomy on follicular growth in hypophysectomized rats treated with pregnant mare serum gonadotrophin.
J Endocrinol 55:227-8, Oct 72
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRUS/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *GRAAFIAN FOLLICLE, growth & development/ HYPOPHYSECTOMY/ *OVARY, physiology/ *PITUITARY GLAND, physiology/ RATS

4202. **Welti H:** Expériences pratiques avec un nouveau contraceptif de type séquentiel modifié.
Rev Med Suisse Romande 92:785-95, Oct 72 **(Fre)**
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ENDOMETRIUM, drug effects/ ETHINYL ESTRADIOL, adverse effects/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ LEUKORRHEA/ MEGESTROL, adverse effects/ *MEGESTROL, pharmacodynamics/ MENSTRUATION, drug effects/ MIDDLE AGE/ OVARY, drug effects/ TIME FACTORS

4203. **Welvaart K, Polano MK:** Recurrent fibrosarcoma of the skin preceded by inflammation.
Arch Chir Neerl 25:35-42, 1973
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ DERMATITIS, drug therapy/ *DERMATITIS, pathology/ DERMATITIS, radiotherapy/ DERMATITIS, surgery/ FEMALE/ FIBROSARCOMA, drug therapy/ *FIBROSARCOMA, pathology/ FIBROSARCOMA, radiography/ FIBROSARCOMA, surgery/ HUMAN/ NEOPLASM METASTASIS/ *NEOPLASM RECURRENCE, LOCAL/ SKIN, pathology/ SKIN NEOPLASMS, drug therapy/ *SKIN NEOPLASMS, pathology/ SKIN NEOPLASMS radiotherapy/ SKIN NEOPLASMS, surgery

4204. **Wendlandt RM, Davis CL:** Characterization of bovi... serum lipoproteins. J Dairy Sci 56:337-9, Mar 7...
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CHYLOMICRONS, blood/ FEMALE/ LACTATION/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEIN... VLDL, blood

4205. **Wendt F:** Die überschiessende hypothalamo-hypophysäradrenale Stress-Reaktion... Endokrinologie 60:347-55, 1972 (Ge...
ADULT/ AGED/ *BRAIN INJURIES, ACUTE, blood/ BRAIN INJURIES, ACUTE, surgery/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ MIDDLE AGE/ *PEPTIC ULCER PERFORATION, blood/ PEPTIC ULCER PERFORATION, surgery/ *STRESS, blood/ TIME FACTORS

4206. **Wentz AC, Thompson BH, King TM:** Posterior cervi... rupture following prostaglandin-induced mid-trimester abortion.
Am J Obstet Gynecol 115:1107-10, 15 Apr 7...
*ABORTION, INDUCED, adverse effects/ ADOLESCENCE/ ADULT/ FEMALE/ HUMA... PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDIN... adverse effects/ TIME FACTORS/ *UTERINE RUPTURE, chemically induced

4207. **Werff ten Bosch JJ van:** Manipulation of sex... behaviour by anti-androgens.
Psychiatr Neurol Neurochir 76:147-9, Mar-Apr
ACETATES, pharmacodynamics/ ACETATES therapeutic use/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, pharmacodynam... CYPROTERONE, therapeutic use/ HUMAN/ MALE/ *PREGNADIENES, pharmacodynamic... *SEX BEHAVIOR, drug effects/ *SEX DEVIATION, drug therapy/ SEX FACTORS

4208. **Wergedal J, Stauffer M, Baylink D, et al:** Inhibition... bone matrix formation, mineralization, and resorpti... in thyroparathyroidectomized rats.
J Clin Invest 52:1052-8, May 73
ANIMAL EXPERIMENTS/ *BONE DEVELOPMENT/ *BONE MATRIX, growth & development/ *BONE RESORPTION/ CALCIUM, blood/ CALCIUM, DIETARY, administration & dosage/ DIET/ HYPOCALCEMIA, physiopathology/ MALE/ OSTEOCLASTS/ *PARATHYROID GLANDS, physiology/ PHOSPHORUS, blood/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ VITAMIN D DEFICIEN... physiopathology

4209. **Wessels F, Wagner H, Vosberg H, et al:** Untersuchu... der Schilddrüsen- und Nebennierenrindenfunkt... bei Ratten mit erblicher spontaner Hyperto...
Med Welt 24:727-8, 4 May 73 (G...
*ADRENAL GLANDS, physiopathology/ CORTICOSTERONE, blood/ HYPERTENSION, blood/ HYPERTENSION, familial & genetic/ HYPERTENSION, physiopathology/ *HYPERTENSION, veterinary/ MALE/ RAT... *RODENT DISEASES, familial & genetic/ RODENT DISEASES, physiopathology/ *THYROID GLAND, physiopathology/ THYROXINE, blood

4210. **West KA:** Treatment of psychomotor epilepsy ... stereotaxic amygdalotomy.
Ann Clin Res 5:60-4, Feb 73
ADOLESCENCE/ ADULT/ *AMYGDALOID BODY, surgery/ ANIMAL EXPERIMENTS/ DISABILITY EVALUATION/ *EPILEPSY, surgery/ FOLLOW-UP STUDIES/ HUMAN/ INTELLIGENCE/ LIBIDO/ MALE/ MEMOR... DISORDERS, etiology/ POSTOPERATIVE COMPLICATIONS/ STEREOTAXIC TECHNI... TIME FACTORS

4211. **West TE, Herrick MJ:** Parathyroidectomy fo... symptomless hyperparathyroidism.

Lancet 1:1005, 5 May 73
AGED/ CASE REPORT/ COGNITION DISORDERS, etiology/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, surgery/ *PARATHYROID GLANDS, surgery

4212. **West TE, O'Riordan JL, Copp DH, et al:** The effect of hypocalcaemia on the secretion of calcitonin.
J Endocrinol 56:463-70, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CALCIUM, blood/ CALCIUM CHLORIDE, pharmacodynamics/ EDTA/ FEMALE/ HYPOCALCEMIA, chemically induced/ IODINE ISOTOPES/ MALE/ RADIOIMMUNOASSAY/ SECRETORY RATE/ SWINE/ *THYROCALCITONIN, secretion/ THYROID GLAND, blood supply

4213. **Westfall TC, Lewis TC:** Effect of aminoglutethimide on norepinephrine turnover in the rat heart.
Proc Soc Exp Biol Med 142:1295-300, Apr 73
*ADRENAL GLANDS, drug effects/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ EPINEPHRINE, urine/ MALE/ METHYLTYROSINES, pharmacodynamics/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, biosynthesis/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, urine/ RATS/ TRITIUM

4214. **Wet IS de, Jansen C:** The use of plaster of Paris to fill large defects in bone. An experimental study to determine the ultimate fate of a measured amount of plaster of Paris inserted into the bone of a living animal.
S Afr J Surg 11:1-8, Mar 73
ABSORPTION/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *PLASTER OF PARIS, metabolism/ SHEEP/ STRONTIUM ISOTOPES/ TIBIA, surgery

4215. **Wettemann RP, Hafs HD:** Pituitary and gonadal hormones associated with fertile and nonfertile inseminations at synchronized and control estrus.
J Anim Sci 36:716-21, Apr 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRADIOL, blood/ *ESTRUS, drug effects/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, PITUITARY, blood/ INJECTIONS, INTRAMUSCULAR/ *INSEMINATION, ARTIFICIAL, veterinary/ LH, blood/ MELENGESTROL, administration & dosage/ MELENGESTROL, pharmacodynamics/ PREGNANCY/ PROGESTERONE, blood/ PROLACTIN, blood/ *SEX HORMONES, blood

4216. **Whalen RE, Gorzalka BB:** Effects of an estrogen antagonist on behavior and on estrogen retention in neural and peripheral target tissues.
Physiol Behav 10:35-40, Jan 73
ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ BRAIN, metabolism/ CASTRATION/ CEREBRAL CORTEX, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ HYPOTHALAMUS, drug effects/ MESENCEPHALON, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PROGESTERONE, pharmacodynamics/ *PYRROLIDINES, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ *SEX BEHAVIOR, ANIMAL, drug effects/ STYRENES, pharmacodynamics/ TRITIUM/ UTERUS, drug effects/ UTERUS, metabolism

4217. **Wharton B:** Metabolic effects of malnutrition in childhood.
J R Coll Physicians Lond 7:259-70, Apr 73 (43 ref.)
ADAPTATION, PHYSIOLOGICAL/ BODY COMPOSITION/ BODY TEMPERATURE/ BODY WATER/ GROWTH DISORDERS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPROLINE, urine/ INSULIN, blood/ NITROGEN, urine/ NUTRITION DISORDERS, enzymology/ *NUTRITION DISORDERS, metabolism/ OXYGEN CONSUMPTION/ PROTEINS, metabolism/ REVIEW/ SOMATOTROPIN, blood

4218. **Wheldon TE, Kirk J, Gray WM:** Mitotic autoregulation, growth control and neoplasia.
J Theor Biol 38:627-39, Mar 73
CELL DIFFERENTIATION/ CHALONES, metabolism/ CHALONES, physiology/ COMPUTERS, ANALOG/ *HEMATOPOIETIC STEM CELLS/ HEMATOPOIETIC STEM CELLS, metabolism/ HOMEOSTASIS/ HORMONES, physiology/ HUMAN/ MATHEMATICS/ *MITOSIS/ *MODELS, BIOLOGICAL/ NEOPLASMS, metabolism/ *NEOPLASMS, physiopathology/ NEOPLASMS, therapy

4219. **Whimster WF, Reid L:** The influence of dibutyryl cyclic adenosine monophosphate and other substances on human bronchial mucous gland discharge.
Exp Mol Pathol 18:234-40, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BRONCHI, drug effects/ *BRONCHI, secretion/ BUTYRATES/ CHLORPROMAZINE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HUMAN/ LITHIUM, pharmacodynamics/ MUCOUS MEMBRANE, drug effects/ *MUCUS, secretion/ OPIPRAMOL, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ TISSUE CULTURE/ TRITIUM

4220. **Whitehouse BJ, Vinson GP:** The effect of corticotrophin on the compartmental arrangement of steroids, and the control of steroid hormone secretion by the rat adrenal cortex in vitro.
Steroids Lipids Res 3:110-7, 1972
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, biosynthesis/ DIALYSIS/ DRUG SYNERGISM/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ HYDROXYCORTICOSTEROIDS, biosynthesis/ IN VITRO/ KETOSTEROIDS, biosynthesis/ PREGNENES, biosynthesis/ PROGESTERONE, metabolism/ RATS

4221. **Whitfield JF, MacManus JP, Gillan DJ:** The ability of calcium to change cyclic AMP from a stimulator to an inhibitor to thymic lymphoblast proliferation.
J Cell Physiol 81:241-50, Apr 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, antagonists & inhibitors/ *CALCIUM, pharmacodynamics/ *CELL DIVISION, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ DNA, biosynthesis/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ MALE/ RATS/ STIMULATION, CHEMICAL/ THYMUS GLAND, cytology

4222. **Whitfield JF, Rixon RH, MacManus JP, et al:** Calcium, cyclic adenosine 3',5'-monophosphate, and the control of cell proliferation: a review.
In Vitro 8:257-78, Jan-Feb 73 (80 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CELL DIVISION/ CELL DIVISION, drug effects/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ DNA, biosynthesis/ ERYTHROCYTES/ HEMATOPOIETIC STEM CELLS/

HEPATECTOMY/ HOMEOSTASIS/ HYPOCALCEMIA, pathology/ LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, metabolism/ MITOSIS, drug effects/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS, pbarmacodynamics/ RATS/ REVIEW/ STIMULATION, CHEMICAL/ THYROIDECTOMY

4223. **Whitmore HL, Wentworth BC, Ginther OJ:** Circulating concentrations of luteinizing hormone during estrous cycle of mares as determined by radioimmunoassay.
Am J Vet Res 34:631-6, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ CATHETERIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, DISK/ *ESTRUS/ FEMALE/ GONADOTROPINS, EQUINE/ *HORSES, pbysiology/ IMMUNE SERUMS/ IODINE ISOTOPES/ *LH, blood/ LH, isolation & purification/ METHODS/ OVULATION/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP, immunology/ TIME FACTORS

4224. **Whitney GD:** Treatment of the potentially dysplastic dog. Mod Vet Pract 54:57, May 73
ANIMAL EXPERIMENTS/ DOG DISEASES, congenital/ *DOG DISEASES, drug therapy/ DOGS/ *FLUMETHASONE, therapeutic use/ HIP DISLOCATION, CONGENITAL, drug therapy/ *HIP DISLOCATION, CONGENITAL, veterinary

4225. **Whittle BJ:** Studies on tbe mode of action of cyclic 3'5'-AMP and prostaglndin E 2 on rat gastric acid secretion and mucosal blood flow.
Br J Pharmacol 46:546P-547P, Nov 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, blood supply/ HISTAMINE, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ *PROSTAGLANDINS, pbarmacodynamics/ RATS/ SECRETORY RATE, drug effects

4226. **Wibell L, Werner I:** Serum pbospbate and calcium and pbospbate excretion at different levels of serum calcium in byperparatbyroidism.
Acta Med Scand 193:161-5, Mar 73
CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ CREATININE, urine/ DIET/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERCALCEMIA/ *HYPERPARATHYROIDISM, metabolism/ KIDNEY, metabolism/ MALE/ PHOSPHATES, blood/ PHOSPHATES, metabolism/ PHOSPHATES, urine

4227. **Wicha J, Caspi E:** Transformations of steroidal neopentyl systems. VII. Mechanism of the transformation of (19R)-hydroxy-19a-metbyl-(5)-3-ones to 19-keto-19a-methyl-(5)-3 -hydroxy analogs. J Org Chem 38:1280-3, 6 Apr 73
*ANDROSTANES/ CHEMISTRY/ HYDROXYSTEROIDS/ KETOSTEROIDS, chem synthesis/ METHODS/ METHYLATION/ STRUCTURE-ACTIVITY RELATIONSHIP

4228. **Widmaier G, Reichardt HD:** Erfahrungen mit einer erweiterten Indikationsstellung zur Zervix-Cerclage in der Schwangerschaft.
Zentralbl Gynaekol 95:16-21, 5 Jan 73 (Ger)
*ABORTION, THREATENED, surgery/ ADOLESCENCE/ ADULT/ *CERVIX UTERI, surgery/ DIAZEPAM, administration & dosage/ FEMALE/ GESTATIONAL AGE/ HUMAN/ METHODS/ POSTOPERATIVE CARE/ PREGNANCY/ PREOPERATIVE CARE/ PROGESTERONE, administration & dosage/ SUTURE TECHNICS

4229. **Widström A:** Vocal cord palsies following surgery for benign non-toxic goitre.
Acta Otolaryngol (Stockh) 75:370-1, Apr 73
FOLLOW-UP STUDIES/ *GOITER, surgery/ HUMAN/ *THYROIDECTOMY, adverse effects/ *VOCAL CORD PARALYSIS, etiology

4230. **Wie H:** Bruk av cytostatika i terapi og forskning.
Tidsskr Nor Laegeforen 93:443-9, 10 Mar 73 (Nor)
ALKALOIDS, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ ANTINEOPLASTIC AGENTS, pbarmacodynamics/ *ANTINEOPLASTIC AGENTS, therapeutic use/ DNA REPLICATION, drug effects/ DRUG RESISTANCE/ ENGLISH ABSTRACT/ ETHYLAMINES, tberapeutic use/ HORMONES, therapeutic use/ HUMAN/ HYDRAZINES, therapeutic use/ IMMUNOSUPPRESSION/ *NEOPLASMS, drug therapy/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ TRANSPLANTATION IMMUNOLOGY

4231. **Wiebe V, Erbe W:** Skelettmetastasen differenzierter Schilddrüsenkarzinome--Röntgenbild, Szintigramm, Verlauf unter Behandlung.
God Zb Med Fak Skopje 118:313-9, Mar 73 (Ger)
ADENOCARCINOMA, diagnosis/ *ADENOCARCINOMA, radiography/ ADENOCARCINOMA, radiotherapy/ ADULT/ AGED/ BONE NEOPLASMS, diagnosis/ *BONE NEOPLASMS, radiography/ BONE NEOPLASMS, radiotherapy/ CARCINOMA, PAPILLARY, diagnosis/ *CARCINOMA, PAPILLARY, radiography/ CARCINOMA, PAPILLARY, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES/ IODINE ISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RADIOISOTOPE SCANNING/ STRONTIUM ISOTOPES/ *THYROID NEOPLASMS, radiography

4232. **Wielgus E:** Structure of the testes in indigenous crayfishes. Folia Morphol (Warsz) 32:115-24, 1973
ANIMAL EXPERIMENTS/ *CRAYFISH, anatomy & histology/ EPITHELIAL CELLS/ MALE/ ORGAN WEIGHT/ SPERMATOZOA/ *TESTIS, anatomy & histology

4233. **Wijngaarden GK van, Bethlem J:** Benign infantile spinal muscular atropby. A prospective study.
Brain 96:163-70, 1973
ADOLESCENCE/ ALANINE AMINOTRANSFERASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ CHLORIDES, metabolism/ CREATINE KINASE, metabolism/ DEMYELINATION/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ LACTATES, metabolism/ MAGNESIUM, metabolism/ MALE/ MOTOR NEURONS/ *MOTOR NEURONS/ MUSCLES, patbology/ MUSCLES, physiopathology/ MUSCULAR ATROPHY, enzymology/ *MUSCULAR ATROPHY, familial & genetic/ MUSCULAR ATROPHY, pathology/ MUSCULAR ATROPHY, physiopathology/ PARALYSIS/ SODIUM, metabolism/ *SPINAL CORD DISEASES/ SPINAL CORD DISEASES, enzymology/ SPINAL CORD DISEASES, pathology/ SPINAL CORD DISEASES, physiopathology

4234. **Wilber JF, Seibel MJ:** Tbyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. Endocrinology 92:888-93, Mar 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE, enzymology/ IN VITRO/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MYOCARDIUM, metabolism/ NUCLEOTIDASES, metabolism/ *PITUITARY GLAND, metabolism/ PROPYLTHIOURACIL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *RECEPTORS, DRUG/ *THYROTROPIN RELEASING FACTOR, metabolism/ THYROXINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

4235. **Wilbrandt W:** Neuere Entwicklungen in der Analyse

entzündungshemmender Wirkung.
Praxis 62:626-8, 15 May 73 (Ger)
ANALGESICS AND ANTIPYRETICS, metabolism/ *ANTI-INFLAMMATORY AGENTS, metabolism/ CATS/ CHICKENS/ GUINEA PIGS/ PROSTAGLANDINS, metabolism/ RABBITS/ RATS

4236. **Williams DJ, Clark RP, Rabin BR:** The effects of aflatoxin B 1 in vivo on membrane--ribosome association. Br J Cancer 27:283-90, Apr 73
*AFLATOXIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ CYTOCHROME C/ CYTOCHROME REDUCTASES, analysis/ *ENDOPLASMIC RETICULUM, drug effects/ ENDOPLASMIC RETICULUM, enzymology/ HYDROXYLASES, analysis/ LIVER/ MALE/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, drug effects/ NADH, NADPH OXIDOREDUCTASES, analysis/ RATS/ RIBOSOMES, drug effects/ RNA, biosynthesis/ TESTOSTERONE

4237. **Williams GA, Hargis GK, Bowser EN, et al:** Evidence for a role of adenosine 3',5'-monophosphate in parathyroid hormone release.
Endocrinology 92:687-91, Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CATTLE/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ PARATHYROID GLANDS, drug effects/ *PARATHYROID GLANDS, metabolism/ *PARATHYROID HORMONE, metabolism/ RADIOIMMUNOASSAY/ TIME FACTORS

4238. **Williams GM, Haar A ter, Parks LC, et al:** Endothelial changes associated with hyperacute, acute, and chronic renal allograft rejection in man.
Transplant Proc 5:819-22, Mar 73
*EPITHELIUM, immunology/ EPITHELIUM, pathology/ FEMALE/ *GRAFT REJECTION/ HUMAN/ *KIDNEY, transplantation/ MALE/ *RENAL ARTERY, immunology/ *RENAL VEINS, immunology/ SEX CHROMATIN, analysis/ TRANSPLANTATION, HOMOLOGOUS

4239. **Williams JW, Sherman RT:** Penetrating wounds of the neck: surgical management.
J Trauma 13:435-42, May 73
AORTA, THORACIC, injuries/ BRACHIAL PLEXUS, injuries/ CAROTID ARTERIES, injuries/ ESOPHAGUS, injuries/ HUMAN/ INNOMINATE ARTERY, injuries/ JUGULAR VEIN, injuries/ LARYNX, injuries/ *NECK, injuries/ PHARYNX, injuries/ SPINAL CORD INJURIES, surgery/ SUBCLAVIAN ARTERY, injuries/ SUBCLAVIAN VEIN, injuries/ THORACIC DUCT, injuries/ THYROID GLAND, injuries/ TIME FACTORS/ TRACHEA, injuries/ VENAE CAVAE, injuries/ WOUNDS AND INJURIES, surgery/ WOUNDS, GUNSHOT

4240. **Williams RJ, McFarlane H, Mallick NP, et al:** The early diagnosis of rejection by the leucocyte migration test in cadaveric renal transplantation.
Br J Surg 60:313-4, Apr 73
ANTIGENS/ BASEMENT MEMBRANE/ *CELL MIGRATION INHIBITION/ *GRAFT REJECTION/ HUMAN/ *KIDNEY, transplantation/ *LEUKOCYTES, immunology/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION IMMUNOLOGY

4241. **Williams TJ:** Management of malignant, premalignant, and minimally invasive ovarian lesions.
Prog Clin Cancer 5:183-6, 1973
CASTRATION/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ *OVARIAN NEOPLASMS, surgery

4242. **Williamson ME:** Thyroid dysfunction and its somatic reflection: a preliminary report.
J Am Osteopath Assoc 72:731-7, Mar 73
ADOLESCENCE/ ADULT/ AGED/ *AUTONOMIC NERVOUS SYSTEM, physiology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPATHY/ *PALPATION/ *THYROID DISEASES, diagnosis

4243. **Wills MR:** Intestinal absorption of calcium.
Lancet 1:820-2, 14 Apr 73
ADMINISTRATION, ORAL/ AGE FACTORS/ AGED/ BILE, secretion/ *CALCIUM, metabolism/ CALCIUM, DIETARY, administration & dosage/ CALCIUM, DIETARY, metabolism/ CHOLECALCIFEROL, physiology/ DEPRESSION, CHEMICAL/ FATTY ACIDS, secretion/ FEMALE/ HUMAN/ INOSITOL, physiology/ *INTESTINAL ABSORPTION/ INTESTINE, SMALL, metabolism/ LACTATION/ MALE/ MIDDLE AGE/ OXALATES/ PARATHYROID HORMONE, physiology/ PHOSPHATES, physiology/ PREGNANCY/ SEX FACTORS/ TIME FACTORS

4244. **Wilson JT, Jones NA, Katsh S, et al:** Penetration of the testicular-tubular barrier by horseradish peroxidase induced by adjuvant. Anat Rec 176:83-100, May 73
ANIMAL EXPERIMENTS/ CYTOPLASM/ *FREUND'S ADJUVANT, pharmacodynamics/ GUINEA PIGS/ IMMUNOGLOBULINS, biosynthesis/ MALE/ PERMEABILITY/ *PEROXIDASES/ SERTOLI CELLS/ *TESTIS, blood supply/ TESTIS, cytology/ TESTIS, immunology

4245. **Wilson DM, Martin JH, Niall JF:** Raised intraocular tension in renal transplant recipients.
Med J Aust 1:482-4, 10 Mar 73
ACETAZOLAMIDE, therapeutic use/ ADULT/ ECHOTHIOPHATE IODIDE, therapeutic use/ FOLLOW-UP STUDIES/ *GLAUCOMA, chemically induced/ HUMAN/ *INTRAOCULAR PRESSURE, drug effects/ *KIDNEY, transplantation/ MALE/ PILOCARPINE, therapeutic use/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, adverse effects/ TONOMETRY/ TRANSPLANTATION, HOMOLOGOUS

4246. **Wilson EA:** Chemodectoma in pregnancy.
S Afr J Surg 10:237, Dec 72
CASE REPORT/ FEMALE/ HUMAN/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS

4247. **Wilson GM:** Early photography, goitre, and James Inglis. Br Med J 2:104-5, 14 Apr 73
ENGLAND/ FEMALE/ *GOITER, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ *PHOTOGRAPHY, history/ SCOTLAND

4248. **Wilson JF, Dodd JM:** Distribution of monoamines in the diencephalon and pituitary of the dogfish, Scyliorhinus canicula L.
Z Zellforsch Mikrosk Anat 137:451-69, 7 Mar 73
AXONS, analysis/ *CATECHOLAMINES, analysis/ *DIENCEPHALON, analysis/ DIENCEPHALON, cytology/ DOPA/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, cytology/ MICROSCOPY, FLUORESCENCE/ NIALAMIDE/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ SEROTONIN, analysis/ *SHARKS, anatomy & histology

4249. **Wilson JG:** Present status of drugs as teratogens in man. Teratology 7:3-15, Feb 73 (104 ref.)
*ABNORMALITIES, DRUG-INDUCED/ ALKYLATING AGENTS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTIDIABETICS, adverse effects/ ANTIEMETICS, adverse effects/ ANTITUBERCULAR AGENTS, adverse effects/ APPETITE DEPRESSANTS, adverse effects/ ASPIRIN, adverse effects/ CORTISONE, adverse effects/ *DRUG THERAPY, adverse effects/ FEMALE/ *FETAL DISEASES, chemically induced/ FETUS, growth & development/ FOLIC ACID ANTAGONISTS,

adverse effects/ HUMAN/ IMIPRAMINE, adverse effects/ LYSERGIC ACID DIETHYLAMIDE, adverse effects/ MECLIZINE, adverse effects/ PREGNANCY/ REVIEW/ STEROIDS, adverse effects/ SULFONAMIDES, adverse effects/ THALIDOMIDE, adverse effects/ TRANQUILIZING AGENTS, adverse effects

4250. **Wilson L Jr, Butcher RL, Inskeep EK: Prostaglandin F2alpha in the uterus of ewes during early pregnancy.**
Prostaglandins 1:479-82, Jun 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ EMBRYO/ ENDOMETRIUM, metabolism/ FEMALE/ PREGNANCY/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ SHEEP/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, metabolism

4251. **Wilson L Jr, Butcher RL, Cenedella RJ, et al: Effects of progesterone on endometrial prostaglandins in sheep.**
Prostaglandins 1:183-90, Mar 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ COLON/ ENDOMETRIUM, drug effects/ ESTRUS, drug effects/ FEMALE/ GERBILS/ INJECTIONS, SUBCUTANEOUS/ MUSCLE, SMOOTH, drug effects/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, metabolism/ SHEEP/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ TRITIUM

4252. **Wilson LD, Harding BW: Oxidation of 20 -hydroxycholesterol by adrenal cortex mitochondria.**
J Biol Chem 248:9-14, 10 Jan 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIMYCIN A, pharmacodynamics/ CATTLE/ *CHOLESTEROL, metabolism/ CHOLESTEROL, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ CYANIDES, pharmacodynamics/ MALATES, pharmacodynamics/ METYRAPONE, pharmacodynamics/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION/ PREGNENOLONE, biosynthesis/ PREGNENOLONE, pharmacodynamics/ SPECTROPHOTOMETRY/ SUCCINATES, pharmacodynamics/ TRITIUM

4253. **Wilson SM: Carcinoma of the thyroid. Modalities of therapy.** Surg Clin North Am 53:169-74, Feb 73
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ BLOOD GROUPS/ CARCINOMA, drug therapy/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, therapy/ CARCINOMA, PAPILLARY, drug therapy/ CARCINOMA, PAPILLARY, radiotherapy/ CARCINOMA, PAPILLARY, surgery/ *CARCINOMA, PAPILLARY, therapy/ FEMALE/ HUMAN/ IODINE ISOTOPES, therapeutic use/ LYMPHATIC METASTASIS/ MALE/ METHODS/ NEOPLASM METASTASIS/ RADICAL NECK DISSECTION/ SEX FACTORS/ THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, therapy/ THYROIDECTOMY

4254. **Wiiusz T, Lomako J, Mejbaum-Katzenellenbogen: An improved method of isolation of crystalline basic trypsin inhibitor from bovine tissues.**
Acta Biochim Pol 20:25-31, 1973
ANIMAL EXPERIMENTS/ CATTLE/ ELECTROPHORESIS, DISK/ METHODS/ MYOCARDIUM, analysis/ PITUITARY GLAND, analysis/ THYROID GLAND, analysis/ *TRYPSIN INHIBITORS, isolation & purification

4255. **Winand R: Biosynthesis, organization and degradation of mucopolysaccharides.**
Arch Belg Dermatol Syphiligr 28:35-40, Jan-Mar 72
ARACHNODACTYLY, metabolism/ AUTOIMMUNE DISEASES, metabolism/ *CARBOHYDRATE METABOLISM, INBORN ERRORS/ HUMAN/ HYPERTHYROIDISM, metabolism/ *MUCOPOLYSACCHARIDES, metabolism/ MYXEDEMA, metabolism

4256. **Winand R, Mahieu P: Prevention of malignant exophthalmos after treatment of thyrotoxicosis.**
Lancet 813:1196, 23 May 73
AZATHIOPRINE, therapeutic use/ *EXOPHTHALMOS, prevention & control/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, immunology

4257. **Winckler K, Hesch RD, Schmidt H: Hemmung der Gallenblasenkontraktion durch Calcitonin.**
Dtsch Med Wochenschr 98:957-9, 4 May 73 (Ger)
ADMINISTRATION, ORAL/ CHOLECYSTOGRAPHY/ CHOLECYSTOKININ, pharmacodynamics/ *GALLBLADDER, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ IPODATE, pharmacodynamics/ PANCREOZYMIN, pharmacodynamics/ THYROCALCITONIN, administration & dosage/ *THYROCALCITONIN, pharmacodynamics

4258. **Winkelman JW, Cannon DC, Pileggi CJ, et al: Estimation of norms from a controlled sample survey. II. Influence of body habitus, oral contraceptives, and other factors on values for the normal range derived from the SMA 12-60 screening group of tests.**
Clin Chem 19:488-91, May 73
AUTOANALYSIS/ *BLOOD CHEMICAL ANALYSIS, standards/ *BODY WEIGHT/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ LACTATE DEHYDROGENASE, blood/ MALE/ MIDDLE AGE/ OXIDOREDUCTASES, blood/ PHOSPHORUS, blood/ SEASONS/ SERUM ALBUMIN, analysis/ SEX FACTORS/ TIME FACTORS/ URIC ACID, blood

4259. **Winkelmann RK, Sams WM Jr, King JH: Contraction of isolated human breast cutaneous vascular smooth muscle.** J Invest Dermatol 60:297-300, May 73
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ *ARTERIES, drug effects/ BRADYKININ, pharmacodynamics/ BREAST, drug effects/ DOGS/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HISTAMINE, pharmacodynamics/ HUMAN/ METHACHOLINE COMPOUNDS, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ *SKIN, blood supply/ *VASOCONSTRICTOR AGENTS, pharmacodynamics/ *VASODILATOR AGENTS, pharmacodynamics

4260. **Winkler H, Schilling E, Köhler W: Behandlung umrindernder Kühe mit einem Depotgestagen.**
Berl Munch Tieraerztl Wochenschr 86:61-4, 15 Feb 73 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE DISEASES, drug therapy/ *CHLORMADINONE, therapeutic use/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ *PROGESTERONE, therapeutic use/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, veterinary

4261. **Winnewisser M, Mertin J, Themi H, et al: Die PHA-Stimulierbarkeit von Blutlymphocyten bei Patienten mit Multipler Sklerose unter einer kombinierten Therapie mit Aldosteron und Spirolactone-Derivaten.**
Klin Wochenschr 51:286-7, 15 Mar 73 (Ger)
ALDOSTERONE, pharmacodynamics/ *ALDOSTERONE, therapeutic use/ DNA, biosynthesis/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug

effects/ *MULTIPLE SCLEROSIS, drug therapy/ PLANT AGGLUTININS/ RADIOISOTOPES/ SPIRONOLACTONE, pharmacodynamics/ *SPIRONOLACTONE, therapeutic use/ THYMINE NUCLEOTIDES

4262. Winslow EJ, Loeb HS, Rahimtoola SH, et al: Hemodynamic studies and results of therapy in 50 patients with bacteremic shock.
Am J Med 54:421-32, Apr 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ DOPAMINE, therapeutic use/ ENTEROBACTERIACEAE INFECTIONS, drug therapy/ ENTEROBACTERIACEAE INFECTIONS, physiopathology/ FEMALE/ *HEMODYNAMICS/ HUMAN/ ISOPROTERENOL, therapeutic use/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, therapeutic use/ PNEUMOCOCCAL INFECTIONS, drug therapy/ PNEUMOCOCCAL INFECTIONS, physiopathology/ PSEUDOMONAS INFECTIONS, drug therapy/ PSEUDOMONAS INFECTIONS, physiopathology/ SEPTICEMIA, drug therapy/ *SEPTICEMIA, physiopathology/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, physiopathology/ STAPHYLOCOCCAL INFECTIONS, drug therapy/ STAPHYLOCOCCAL INFECTIONS, physiopathology/ STREPTOCOCCAL INFECTIONS, drug therapy/ STREPTOCOCCAL INFECTIONS, physiopathology

4263. Wiqvist N, Béguin F, Bygdeman M, et al: Induction of abortion by extra-ammiotic prostaglandin administration. Prostaglandins 1:37-53, Jan 72
ABORTION, INDUCED/ ADULT/ AMNIOTIC FLUID/ CERVIX UTERI/ CONTRAST MEDIA/ CURETTAGE/ DILATATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ INJECTIONS, INTRAVENOUS/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ PREGNANCY TESTS, IMMUNOLOGIC/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ UTERUS, drug effects

4264. Wirtanen GW, Kaude JV: Inferior phrenic artery collateralization in hepatic artery occlusion.
Am J Roentgenol Radium Ther Nucl Med 117:615-9, Mar 73
ADENOCARCINOMA, complications/ *ADRENAL GLANDS, blood supply/ ADULT/ ANGIOGRAPHY/ AORTIC ANEURYSM, complications/ AORTIC ANEURYSM, physiopathology/ ARTERIAL OCCLUSIVE DISEASES, etiology/ *ARTERIAL OCCLUSIVE DISEASES, physiopathology/ ARTERIAL OCCLUSIVE DISEASES, radiography/ BILE DUCT NEOPLASMS, complications/ BREAST NEOPLASMS, complications/ CARCINOMA, complications/ CELIAC ARTERY, physiopathology/ CELIAC ARTERY, radiography/ CHOLANGIOMA, complications/ *COLLATERAL CIRCULATION/ COLONIC NEOPLASMS, complications/ FEMALE/ *HEPATIC ARTERY/ HEPATIC ARTERY, radiography/ HUMAN/ INJECTIONS, INTRA-ARTERIAL, adverse effects/ LIGATION/ *LIVER, blood supply/ LIVER NEOPLASMS, complications/ MIDDLE AGE/ NEOPLASM METASTASIS/ THROMBOSIS, physiopathology

4265. Wisser H, Doerr P, Stamm D, et al: Tagesperiodik der Ausscheidung von Elektrolyten, Katecholaminmetaboliten und 17-Hydroxycorticosteroiden im Harn.
Klin Wochenschr 51:242-6, 1 Mar 73 (Ger)
ADULT/ BODY TEMPERATURE/ *CALCIUM, urine/ *CATECHOLAMINES, urine/ *CIRCADIAN RHYTHM/ DIURESIS/ DOPAMINE, urine/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *POTASSIUM, urine/ *SODIUM, urine/ VANILMANDELIC ACID, urine

4266. Witkowska E: Jajowód myszy w hodowli organotypowej i jego wrażliwość na estrogeny.
Endokrynol Pol 24:79-90, Jan-Feb 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ *FALLOPIAN TUBES, drug effects/ FEMALE/ MICE/ *ORGAN CULTURE/ TIME FACTORS

4267. Wittenborg A, Zeidler H, Geisthövel W: Alternierende Corticoidtherapie bei chronischer Polyarthritis.
Dtsch Med Wochenschr 98:919-23, 4 May 73 (Ger)
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, drug therapy/ CAPROATES, administration & dosage/ CAPROATES, therapeutic use/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ CORTICOTROPIN/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ LONG TERM CARE/ MALE/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PREGNANES, administration & dosage/ PREGNANES, therapeutic use/ TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, therapeutic use

4268. Wohlfeil R, Schiffter R, Schliack H: Schlaganfälle junger Frauen bei Einnahme von Ovulationshemmern.
Fortschr Neurol Psychiatr 41:166-74, Mar 73 (Ger)
ADULT/ AGE FACTORS/ BERLIN/ CEREBRAL ANGIOGRAPHY/ *CEREBROVASCULAR DISORDERS, chemically induced/ CEREBROVASCULAR DISORDERS, radiography/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ TIME FACTORS

4269. Wójcik T, Wermeński K: Zestywniające zapalenie stawów kręgosłupa u dzieci i młodzieży.
Pediatr Pol 48:377-80, Mar 73 (30 ref.) (Pol)
ACUTE DISEASE/ ADOLESCENCE/ AGE FACTORS/ ARTHRITIS, RHEUMATOID, diagnosis/ CHILD/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INDOMETHACIN, therapeutic use/ REVIEW/ SALICYLATES, therapeutic use/ SEX FACTORS/ SOMATOTYPES/ *SPONDYLITIS, ANKYLOSING/ SPONDYLITIS, ANKYLOSING, diagnosis/ SPONDYLITIS, ANKYLOSING, drug therapy

4270. Wojszwillo-Geppert E: Zagadnienia rozpoznawcze w torbielach śledziony.
Pol Przegl Chir 45:387-90, Mar 73 (20 ref.) (Pol)
ADULT/ AGE FACTORS/ CYSTS, congenital/ *CYSTS, diagnosis/ CYSTS, etiology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ REVIEW/ SEX FACTORS/ SPLEEN, radiography/ SPLENIC DISEASES, congenital/ *SPLENIC DISEASES, diagnosis/ SPLENIC DISEASES, etiology/ SPLENIC NEOPLASMS, diagnosis/ SPLENIC RUPTURE/ SPLENOPORTOGRAPHY

4271. Wolf A: Etude clinique et pronostique de 50 ca d'anorexie mentale de la jeune fille.
Rev Neuropsychiatr Infant 21:131-8, Mar 73 (Fre)
ADOLESCENCE/ AGE FACTORS/ *ANOREXIA NERVOSA/ ANOREXIA NERVOSA, etiology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PROGNOSIS/ PUBERTY/ SOCIOECONOMIC FACTORS

4272. Wolf K, Quimby MC: Fish viruses: buffers and method for plaquing eight agents under normal atmosphere
Appl Microbiol 25:659-64, Apr 73
AIR/ ALKYL SULFONATES/ BUFFERS/ CELL LINE/ CULTURE MEDIA/ *FISH

DISEASES, microbiology/ GONADS/ HYDROGEN-ION CONCENTRATION/ METHODS/ *MYXOVIRUS, isolation & purification/ PIPERAZINES/ *PLAQUE ASSAY, standards/ *RHINOVIRUS, isolation & purification/ *RNA VIRUSES, isolation & purification/ SALMONIDAE/ TEMPERATURE/ TROMETHAMINE/ *VIRUS REPLICATION

4273. **Wolf ML:** Le rique métabolique au cours de l'anorexie metale.
Rev Neuropsychiatr Infant 21:139-44, Mar 73 (Fre)
ADOLESCENCE/ AMENORRHEA, etiology/ *ANOREXIA NERVOSA, complications/ ANOREXIA NERVOSA, metabolism/ CHILD/ ENDOCRINE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *NUTRITION DISORDERS, etiology/ PROGNOSIS

4274. **Wolff G, Money J:** Relationship between sleep and growth in patients with reversible somatotropin deficiency (psychosocial dwarfism).
Psychol Med 5:18-27, Feb 73
BODY HEIGHT/ CHILD/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ *DWARFISM, PITUITARY/ FEMALE/ FOLLOW-UP STUDIES/ FOSTER HOME CARE/ *GROWTH/ HUMAN/ INFANT/ MALE/ PARENT-CHILD RELATIONS/ PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING FACTORS, physiology/ PSYCHOSOCIAL DEPRIVATION/ RETROSPECTIVE STUDIES/ *SLEEP/ SOCIAL ENVIRONMENT/ SOMATOTROPIN, secretion

4275. **Wolff J, Cook GH:** Activation of thyroid membrane adenylate cyclase by purine nucleotides.
J Biol Chem 248:350-5, 10 Jan 73
ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ INOSINE NUCLEOTIDES, pharmacodynamics/ LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ *NUCLEOTIDES, pharmacodynamics/ PHOSPHORUS ISOTOPES/ POTASSIUM, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PURINE NUCLEOTIDES, pharmacodynamics/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology/ THYROTROPIN, pharmacodynamics/ TRITIUM/ XANTHINES, pharmacodynamics

4276. **Wolff J, Moore WV:** The effect of indomethacin on the response of thyroid tissue to thyrotropin.
Biochem Biophys Res Commun 51:34-9, 5 Mar 73
ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CATTLE/ CELL MEMBRANE, enzymology/ DOGS/ GLUCOSE, metabolism/ IN VITRO/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, pharmacodynamics/ IODINE ISOTOPES/ MALE/ MEMBRANES, metabolism/ MICE/ OXIDATION-REDUCTION/ PHOSPHORUS ISOTOPES/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *THYROID GLAND, physiology/ THYROID GLAND, secretion/ *THYROTROPIN, physiology

4277. **Wolfish MG:** Adolescent sexuality. Counseling, contraception, pregnancy.
Clin Pediatr (Phila) 12:244-7, Apr 73
ABORTION, THERAPEUTIC/ *ADOLESCENCE/ ADULT/ ATTITUDE/ CANADA/ CHILD/ CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ COUNSELING/ FEMALE/ GONORRHEA, diagnosis/ HUMAN/ MALE/ PREGNANCY/ PREGNANCY, UNWANTED/ *SEX BEHAVIOR/ SEX EDUCATION/ SYPHILIS, diagnosis

4278. **Wong G, Pawelek J:** Control of phenotypic expression of cultured melanoma cells by melanocyte stimulating hormones. Nature [New Biol] 241:213-5, 14 Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL DIVISION, drug effects/ CELL LINE/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DIPHENOL OXIDASES, analysis/ DNA, NEOPLASM, biosynthesis/ *MELANIN, biosynthesis/ MELANOMA, enzymology/ MELANOMA, familial & genetic/ *MELANOMA, metabolism/ MICE/ *MSH, pharmacodynamics/ NEOPLASMS, EXPERIMENTAL/ PHENOTYPE/ RNA, NEOPLASM, biosynthesis/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ TRITIUM

4279. **Wong PC, Henderson JF:** Purine ribonucleotide biosynthesis, interconversion and catabolism in mouse brain in vitro. Biochem J 129:1085-94, Oct 72
ADENINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CARBON ISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ GLYCINE, metabolism/ GUANOSINE, pharmacodynamics/ HYPOXANTHINES, metabolism/ IN VITRO/ INOSINE, metabolism/ MALE/ MICE/ NOREPINEPHRINE, pharmacodynamics/ PENTOSYLTRANSFERASES, metabolism/ PHOSPHOTRANSFERASES, metabolism/ PURINE NUCLEOTIDES, biosynthesis/ PURINE NUCLEOTIDES, metabolism/ *PURINES, metabolism/ RIBONUCLEOTIDES, biosynthesis/ *RIBONUCLEOTIDES, metabolism/ XANTHINES, biosynthesis

4280. **Woo YT, Manery JF:** Cyclic AMP phosphodiesterase activity at the external surface of intact skeletal muscles and stimulation of the enzyme by insulin.
Arch Biochem Biophys 154:510-9, Feb 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARBON ISOTOPES/ CATTLE/ CHROMATOGRAPHY, PAPER/ EXTRACELLULAR SPACE, analysis/ FROGS/ IN VITRO/ *INSULIN, pharmacodynamics/ KINETICS/ MUSCLES, cytology/ MUSCLES, drug effects/ *MUSCLES, enzymology/ *PHOSPHODIESTERASES, analysis/ PHOSPHORUS ISOTOPES/ RANA PIPIENS/ STATISTICS/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM

4281. **Wood C:** Gynaecological survey in a metropolitan area of Melbourne.
Aust NZ J Obstet Gynaecol 12:147-56, Aug 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ AUSTRALIA/ *CONTRACEPTIVES, ORAL/ DEPRESSION, occurrence/ DRUG THERAPY/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ *MENARCHE/ *MENOPAUSE/ *MENSTRUATION DISORDERS, occurrence/ MIDDLE AGE/ NEUROSES, occurrence/ PSYCHIATRIC STATUS RATING SCALES/ SMOKING, occurrence

4282. **Wood LC, Burger A, Peterson M, et al:** Induction of a LATS-like response by thyroglobulin in the McKenzie assay system. Endocrinology 92:1538-43, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ FEMALE/ IODINE, blood/ IODINE ISOTOPES/ LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MICE/ THYROGLOBULIN, administration & dosage/ *THYROGLOBULIN, pharmacodynamics/ THYROID GLAND/ THYROXINE, blood/ TIME FACTORS/ *TISSUE EXTRACTS, pharmacodynamics

4283. **Wood MH, O'Sullivan WJ:** The orotic aciduria of pregnancy. Am J Obstet Gynecol 116:57-61, 1 May 73
ANIMAL EXPERIMENTS/ CARBOXY-LYASES, blood/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ERYTHROCYTES, enzymology/ FEMALE/ HUMAN/ OROTIC ACID/ *OROTIC ACID, urine/

PENTOSYLTRANSFERASES, blood/ *PREGNANCY/ RATS

4284. Woodin AM: Adenylate cyclase and the function of cyclic adenosine 3':5'-monophosphate in the leucocidin-treated leucocyte.
Biochim Biophys Acta 286:406-15, 29 Dec 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ GUINEA PIGS/ *LEUKOCIDIN, pharmacodynamics/ LEUKOCIDIN, toxicity/ LEUKOCYTES, cytology/ *LEUKOCYTES, enzymology/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS

4285. Woodruff JD, Jimerson GK: Ovarian teratomata.
Prog Clin Cancer 5:195-208, 1973
FEMALE/ HUMAN/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ PROGNOSIS/ *TERATOID TUMOR/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery

4286. Wotiz HH, Chattoraj SC: The role of gas-liquid chromatography in steroid hormone analysis.
J Chromatogr Sci 11:167-74, Apr 73
*ADRENAL CORTEX HORMONES, urine/ ANDROGENS, urine/ *CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ MALE/ METHODS/ PREGNANCY/ PROGESTERONE, urine/ SOLVENTS/ STEROIDS, metabolism/ *STEROIDS, urine

4287. Wright BE, Rosness P, Jones TH, et al: Glycogen metabolism during differentiation in Dictyostelium discoideum.
Ann NY Acad Sci 210:51-63, 9 Feb 73 (18 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, metabolism/ AMYLASE, metabolism/ CARBOHYDRATES, metabolism/ CARBON ISOTOPES/ CELL DIFFERENTIATION/ GLUCOSEPHOSPHATES, metabolism/ GLYCOGEN, biosynthesis/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ KINETICS/ *MYXOMYCETES/ MYXOMYCETES, enzymology/ MYXOMYCETES, growth & development/ MYXOMYCETES, metabolism/ PHOSPHATES, metabolism/ REVIEW/ URIDINE DIPHOSPHATE SUGARS, metabolism

4288. Wright JA: Morphology and growth rate changes in Chinese hamster cells cultured in presence of sodium butyrate. Exp Cell Res 78:456-60, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *BUTYRATES, pharmacodynamics/ CELL DIVISION, drug effects/ *CELL LINE, drug effects/ CLONE CELLS, drug effects/ CULTURE MEDIA/ ESTERS, pharmacodynamics/ HAMSTERS/ MICROSCOPY, PHASE CONTRAST/ OVARY

4289. (Wright RD): Roy Douglas Wright.
Aust J Exp Biol Med Sci 50:791-4, Dec 72
ALDOSTERONE, secretion/ AUSTRALIA/ BIOPHYSICS/ CEREBRAL CORTEX/ CURRENT BIOG-OBIT/ EVOLUTION/ GASTRIC MUCOSA, secretion/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ LIVER, blood supply/ LIVER REGENERATION/ LUNG NEOPLASMS, pathology/ NEOPLASM METASTASIS/ PAROTID GLAND, physiology/ *PHYSIOLOGY, history/ PULMONARY ALVEOLI, blood supply/ RESEARCH SUPPORT/ SALIVARY GLAND FISTULA/ WATER-ELECTROLYTE BALANCE

4290. Wright RD, Blair-West JR, Coghlan JP, et al: The structure and function of adrenal autotransplants.
Aust J Exp Biol Med Sci 50:873-92, Dec 72
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, innervation/ ADRENAL GLANDS, physiology/ ADRENAL GLANDS, secretion/ *ADRENAL GLANDS, transplantation/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ HYDROCORTISONE, secretion/ LYMPHATIC SYSTEM, surgery/ MALE/ METHODS/ NECK, surgery/ NERVE REGENERATION/ PARASYMPATHETIC NERVOUS SYSTEM/ SECRETORY RATE, drug effects/ SHEEP/ SUTURE TECHNICS/ SYMPATHETIC NERVOUS SYSTEM/ TRANSPLANTATION, AUTOLOGOUS

4291. Wright TR: The recovery, penetrance, and pleiotropy of X-linked, cold sensitive mutants in Drosophila.
Mol Gen Genet 122:101-18, 12 Apr 73
ALLELES/ ANIMAL EXPERIMENTS/ CHROMOSOME MAPPING/ COLD/ *DROSOPHILA/ FEMALE/ LINKAGE (GENETICS)/ MALE/ MORTALITY/ *MUTATION/ PHENOTYPE/ SEX CHROMOSOMES/ STERILITY, FEMALE

4292. Wu CH, Lundy LE, Lee SG: A rapid radioimmunoassay for plasma estrogen.
Am J Obstet Gynecol 115:169-80, 15 Jan 73
ALCOHOL, METHYL/ CHARCOAL/ CROSS REACTIONS/ DEXTRAN/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ PREGNANCY/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, standards/ SHEEP, immunology/ TIME FACTORS

4293. Würgler FE, Lütolf HU: The frequency of meiotic primary nondisjunction of the large autosomes in Drosophila melanogaster. A preliminary report.
Arch Genet (Zur) 45:126-8, 1972
ANIMAL EXPERIMENTS/ CELL DIVISION/ *CHROMOSOMES/ *CROSSES, GENETIC/ DROSOPHILA MELANOGASTER/ FEMALE/ MALE/ *MEIOSIS/ SEX CHROMOSOMES

4294. Wyburn GM, Johnston HS, Draper MH, et al: The ultrastructure of the shell forming region of the oviduct and the development of the shell of Gallus domesticus. Q J Exp Physiol 58:143-51, Apr 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL NUCLEUS/ *CHICKENS, anatomy & histology/ CYTOPLASMIC GRANULES/ EPITHELIAL CELLS/ FEMALE/ GLYCOGEN, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MUCOUS MEMBRANE, cytology/ *OVIDUCTS, cytology/ OVIDUCTS, metabolism/ OVIDUCTS, physiology

X

4295. Xanthakos UF, Rejent MM: Achondrogenesis: case report and review of the literature.
J Pediatr 82:658-63, Apr 73
ACHONDROPLASIA, diagnosis/ *BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ *CARTILAGE DISEASES, congenital/ CLEFT PALATE, complications/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, etiology/ EXTREMITIES, abnormalities/ EYE, abnormalities/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ NOSE, abnormalities/ OSSIFICATION, PATHOLOGIC, radiography

Y

4296. Yalom ID, Green R, Fisk N: Prenatal exposure to female hormones. Effect on psychosexual

development in boys.
Arch Gen Psychiatry 28:554-61, Apr 73
ADOLESCENCE/ AGGRESSION/ CHILD/ CHILD DEVELOPMENT, drug effects/ *ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ *FETUS, drug effects/ GESTATIONAL AGE/ HUMAN/ HYPOSPADIAS/ MALE/ MATERNAL-FETAL EXCHANGE/ PHYSICAL FITNESS/ PREGNANCY COMPLICATIONS, prevention & control/ PREGNANCY IN DIABETES, drug therapy/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use/ PSYCHOLOGICAL TESTS/ *PSYCHOSEXUAL DEVELOPMENT, drug effects/ SOCIAL CLASS/ SPORTS

4297. **Yamada K, Minnich J, Donaldson J, et al:** Effect of 3,4-dihydroxyphenylacetic acid on catecholamines and serotonin in rat striatum.
J Neurol Sci 18:311-5, Mar 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CATECHOL METHYLTRANSFERASE, metabolism/ *CATECHOLAMINES, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ *GANGLIA, BASAL, drug effects/ GANGLIA, BASAL, metabolism/ HOMOGENTISIC ACID, pharmacodynamics/ MALE/ MONOAMINE OXIDASE, metabolism/ NOREPINEPHRINE, metabolism/ *PHENYLACETATES/ RATS/ *SEROTONIN, metabolism/ TRITIUM

4298. **Yamamoto M, Endo A, Watanabe G:** Maternal age dependence of chromosome anomalies.
Nature [New Biol] 241:141-2, 31 Jan 73
ANEUPLOIDY/ ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ FEMALE/ *FETUS, cytology/ KARYOTYPING/ MALE/ *MATERNAL AGE/ MICE/ MOSAICISM/ POLYPLOIDY/ PREGNANCY/ SEX CHROMOSOMES/ SEX DETERMINATION/ TRISOMY

4299. **Yamamoto M, Kawashima K, Watanabe M:** [Observation of the lung in leukemia--analysis of clinical factors concerning the appearance of abnormal chest roentgenograms]
Jap J Thorac Dis 10:429-40, Aug 72 (Jap)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LEUKEMIA, drug therapy/ LEUKEMIA, pathology/ *LEUKEMIA, radiography/ LUNG, pathology/ *LUNG, radiography/ MALE/ MIDDLE AGE

4300. **Yamashita K, Mieno M, Shimizu T:** The secretory response of the x-irradiated testis to human chorionic gonadotrophin in dogs. J Endocrinol 56:323-4, Feh 73
ANIMAL EXPERIMENTS/ DOGS/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ 17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, secretion/ MALE/ *RADIATION EFFECTS/ SECRETORY RATE, drug effects/ SECRETORY RATE, radiation effects/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TESTIS, radiation effects/ TESTIS, secretion

4301. **Yang HL, Zubay G:** Synthesis of the arahinose operon regulator protein in a cell-free system.
Mol Gen Genet 122:131-6, 12 Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ARABINOSE/ BACTERIAL PROTEINS, metabolism/ CELL-FREE SYSTEM/ DNA, BACTERIAL, metabolism/ ESCHERICHIA COLI, metabolism/ *GENES/ GENES, REGULATOR/ GENETICS, BIOCHEMICAL/ GENETICS, MICROBIAL/ GUANINE NUCLEOTIDES/ MODELS, BIOLOGICAL/ *OPERON/ PHOSPHOTRANSFERASES, biosynthesis

4302. **Yang HY, Neff NH:** Distribution and properties of angiotensin converting enzyme of rat brain.
J Neurochem 19:2443-50, Oct 72
ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, enzymology/ CELL NUCLEUS, enzymology/ CHLORIDES, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ FLUORESCENCE SPECTROMETRY/ KINETICS/ KININASE II, metabolism/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ PITUITARY GLAND, enzymology/ RATS

4303. **Yang JC, Triner L, Vuilleмoz Y, et al:** Effects of halothane on the cyclic 3',5'-adenosine monophosphate (cyclic AMP) system in rat uterine muscle. Anesthesiology 38:244-59, Mar 73
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ DEPRESSION, CHEMICAL/ DIETHYLSTILBESTROL/ FEMALE/ *HALOTHANE, pharmacodynamics/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, enzymology/ PHOSPHODIESTERASES, analysis/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS ISOTOPES/ PROPRANOLOL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TISSUE CULTURE/ TRITIUM/ UTERUS, enzymology

4304. **Yang YT, Baldwin RL:** Lipolysis in isolated cow adipose cells. J Dairy Sci 56:366-74, Mar 73
ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CARBON ISOTOPES/ *CATTLE, metabolism/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIN, metabolism/ HYDROXYBUTYRATES, pharmacodynamics/ INSULIN, pharmacodynamics/ LACTATION/ *LIPID MOBILIZATION/ LIPID MOBILIZATION, drug effects/ NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS

4305. **Yanihara N, Tsuji K, Yanaihara C, et al:** Synthesis and biological activities of analogs of luteinizing hormone-releasing hormone (LH-RH) substituted in position 1 or 2.
Biochem Biophys Res Commun 51:165-73, 5 Mar 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ GLUTAMATES, pharmacodynamics/ GLYCINE, pharmacodynamics/ LEUCINE, pharmacodynamics/ *LH/ LH, blood/ OVARY, physiology/ PEPTIDE CHAIN ELONGATION/ PHENYLALANINE, pharmacodynamics/ *PITUITARY HORMONE RELEASING FACTORS/ PITUITARY HORMONE RELEASING FACTORS, chem synthesis/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PROLINE, pharmacodynamics/ RATS/ SERINE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

4306. **Yano R:** [Thoracodynia due to chest wall lesions]
Jap J Thorac Dis 10:9-10, Jan 72 (Jap)
ADULT/ AGED/ FEMALE/ FIBROSITIS, complications/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ PAIN, etiology/ RHEUMATISM, complications/ *THORACIC DISEASES, etiology/ THORACIC VERTEBRAE

4307. **Yarbrough GG, Buxbaum DM, Sanders-Bush E:** Biogenic amines and narcotic effects. II. Serotonin turnover in the rat after acute and chronic morphine administration.
J Pharmacol Exp Ther 185:328-35, May 73

ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ DRUG TOLERANCE/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism

4308. **Yeh BK, Lazzara R:** Reversal of ouabain-induced electrophysiological effects by potassium canrenoate in canine Purkinje fibers. Circ Res 32:501-8, Apr 73
G
*ACTION POTENTIALS, drug effects/ ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ DOGS/ ELECTRIC STIMULATION/ *HEART CONDUCTION SYSTEM, drug effects/ HEART CONDUCTION SYSTEM, physiology/ HYDROXYSTEROIDS, pharmacodynamics/ KETOSTEROIDS, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ *OUABAIN, antagonists & inhibitors/ *PREGNADIENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ TIME FACTORS

4309. **Yen SS, Rebar R, VandenBerg G, et al:** Hypothalamic amenorrhea and hypogonadotropinism: responses to synthetic LRF.
J Clin Endocrinol Metab 36:811-6, May 73
*AMENORRHEA, metabolism/ ESTRADIOL, blood/ ESTRADIOL, metabolism/ FEMALE/ FSH, blood/ FSH, metabolism/ HUMAN/ LH, blood/ *LH, metabolism/ *PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics

4310. **Yodaiken RE, Babcock JR:** 1,2-Dichloroethane poisoning. Arch Environ Health 26:281-4, May 73
ADOLESCENCE/ ADRENAL GLAND DISEASES, chemically induced/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLANDS, pathology/ *DRUG ABUSE/ HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, pathology/ HUMAN/ *HYDROCARBONS, HALOGENATED, poisoning/ HYPERCALCEMIA, chemically induced/ HYPOGLYCEMIA, chemically induced/ KIDNEY, pathology/ KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY FAILURE, ACUTE, pathology/ KIDNEY TUBULES, pathology/ LIVER, drug effects/ LIVER, pathology/ MALE/ NECROSIS

4311. **Yohn DS:** Sex-related resistance in hamsters to adenovirus oncogenesis.
Prog Exp Tumor Res 18:138-65, 1973 (59 ref.)
*ADENOVIRUS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS, NEOPLASM/ CASTRATION/ CELL TRANSFORMATION, NEOPLASTIC/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CORTISONE, therapeutic use/ ESTRADIOL, therapeutic use/ FEMALE/ HAMSTERS/ HISTOCOMPATIBILITY ANTIGENS/ IMMUNITY, CELLULAR/ MALE/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NEOPLASMS, EXPERIMENTAL, etiology/ NEOPLASMS, EXPERIMENTAL, immunology/ NEOPLASMS, EXPERIMENTAL, mortality/ *NEOPLASMS, EXPERIMENTAL, occurrence/ *ONCOGENIC VIRUSES/ REVIEW/ SEX FACTORS/ SEX HORMONES, pharmacodynamics/ TESTOSTERONE, therapeutic use/ THYMECTOMY/ TISSUE CULTURE

4312. **Yoshimura F:** [Functional differentiation of anterior pituitary cells]
Clin Endocrinol (Tokyo) 21:107-20, Feb 73 (69 ref.) (Jap)
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CHEMISTRY/ CORTICOTROPIN, secretion/ EVOLUTION/ FEMALE/ FETUS, physiology/ HUMAN/ IN VITRO/ MSH, secretion/ PEPTIDES/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, embryology/ *PITUITARY GLAND, physiology/ PITUITARY HORMONE RELEASING FACTORS, pharmacodynamics/ PITUITARY HORMONES, ANTERIOR/ PROLACTIN/ PROLACTIN, secretion/ RATS/ REVIEW/ SOMATOTROPIN/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

4313. **Yoshimura M, Miyazaki T, Shiomi K, et al:** [Familial goiter accompanying amhiyacousia and idiocy]
Clin Endocrinol (Tokyo) 21:187-91, Feb 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ *DEAFNESS, complications/ FEMALE/ GOITER, complications/ *GOITER, familial & genetic/ GOITER, physiopathology/ HUMAN/ *IDIOCY, complications/ IODINE, metabolism/ MALE/ METABOLISM, INBORN ERRORS, complications/ METABOLISM, INBORN ERRORS, metabolism/ MIDDLE AGE/ THYROID GLAND FUNCTION TESTS

4314. **Yotis WW, Fitzgerald T:** Antibiotic- and hormonally induced alterations in Staphylococcus aureus.
Antonie van Leeuwenhoek 39:21-31, 1973
ALANINE, metabolism/ BACTERIAL PROTEINS, biosynthesis/ CARBON ISOTOPES/ CELL MEMBRANE PERMEABILITY, drug effects/ CELL WALL, metabolism/ CHROMATOGRAPHY/ CONTRACEPTIVES, ORAL/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ DRUG ANTAGONISM/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ GLUCOSE, metabolism/ HYDROXYPROGESTERONE, pharmacodynamics/ MUCOPROTEINS, biosynthesis/ *PENICILLIN G, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *SEX HORMONES, pharmacodynamics/ STAPHYLOCOCCUS, cytology/ *STAPHYLOCOCCUS, drug effects/ STAPHYLOCOCCUS, metabolism/ STEREOISOMERS

4315. **Yu JY, Marquardt RR:** Development, cellular growth, and function of the avian oviduct. Studies on the magnum during a reproductive cycle of the domestic fowl (Gallus domesticus). Biol Reprod 8:283-98, Apr 73
ANIMAL EXPERIMENTS/ *CHICKENS/ DNA, analysis/ ELECTROPHORESIS, DISK/ *ESTRUS/ FEMALE/ IMMUNOASSAY/ OVALBUMIN, metabolism/ *OVIDUCTS/ OVIDUCTS, anatomy & histology/ OVIDUCTS, cytology/ OVIDUCTS, growth & development/ OVIDUCTS, physiology/ *REPRODUCTION/ RNA, analysis/ ULTRACENTRIFUGATION

4316. **Yuwiler A:** Conversion of D- and L-tryptophan to brain serotonin and 5-hydroxyindoleacetic acid and to blood serotonin. J Neurochem 20:1099-109, Apr 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CARBON ISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *HYDROXYINDOLEACETIC ACID, biosynthesis/ HYPOPHYSECTOMY/ INDOLES, metabolism/ ISOMERISM/ LIVER, metabolism/ OPTICAL ROTATION/ PENTOBARBITAL/ RATS/ *SEROTONIN, biosynthesis/ SEROTONIN, blood/ STRESS, metabolism/ TIME FACTORS/ TRITIUM/ TRYPTOPHAN, administration & dosage/ TRYPTOPHAN, analysis/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN, pharmacodynamics

Z

4317. **Zabel M:** Histochemical markers of thyroid C cells in rats. Folia Morphol (Warsz) 32:85-8, 1973
ANIMAL EXPERIMENTS/ DOGS/ HISTOCYTOCHEMISTRY/ HYDROLYSIS/ *RATS, anatomy & histology/ STAINS AND STAINING/ *THYROID GLAND, cytology/ THYROID GLAND, enzymology/ TIME FACTORS/ TOLUIDINES

4318. **Zabransky S, Hirsch W:** Klinische und genetische Aspekte der Zungengrundschilddrüse.

Munch Med Wochenschr 115:542-7, 30 Mar 73 (Ger)
ABNORMALITIES, diagnosis/ CHILD/ DERMATOGLYPHICS/ DWARFISM, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, DIAGNOSTIC/ MENTAL RETARDATION, complications/ OBESITY, complications/ RADIOISOTOPE SCANNING/ *THYROID GLAND, abnormalities/ TONGUE, abnormalities

4319. **Zadorozhnaia TD, Tishchenko VK:** Morfolohiia, histokhimiia i dykhannia tkanyny platsenty pry hipertonichnii khvorobi.
Pediatr Akush Ginekol 6:52-5, 1972 (Ukr)
FEMALE/ FETAL DEATH/ HUMAN/ *HYPERTENSION, physiopathology/ *OXYGEN CONSUMPTION/ *PLACENTA, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, physiopathology

4320. **Zakarija M, McKenzie JM, Bastomsky CH:** Stimulation of the adenyl cyclase-cyclic AMP system in the thyroid of the rat. Endocrinology 92:1349-53, May 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ DIET/ IN VITRO/ IODINE/ MALE/ PHOSPHORUS ISOTOPES/ PROPYLTHIOURACIL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ THEOPHYLLINE, pharmacodynamics/ *THYROID GLAND, enzymology/ THYROID HORMONES, pharmacodynamics/ THYROTROPIN, pharmacodynamics/ TRITIUM

4321. **Zakarija M, McKenzie JM:** Cyclic AMP and its binding protein in the stimulated thyroid of the rat.
Life Sci [II] 12:225-31, 8 Mar 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ *DIET, adverse effects/ IODINE/ MALE/ METHODS/ MODELS, BIOLOGICAL/ PROTEIN BINDING/ RATS/ *THIOURACIL, pharmacodynamics/ THYROID GLAND, analysis/ *THYROID GLAND, metabolism

4322. **Zakharova GN, Variamova VV, Akulinin AT:** O khirurgicheskom lechenii toksicheskogo zoba.
Vestn Khir 109:33-6, Jan 73 (Rus)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ THYROIDECTOMY

4323. **Zala PM, Janakiraman K, Memon GN:** Ascorbic acid and cholesterol of blood and adrenals during estrous cycle in Surti buffalo heifers.
Indian J Exp Biol 10:312-4, Jul 72
*ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ *ASCORBIC ACID, analysis/ ASCORBIC ACID, blood/ BUFFALOES/ *CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *ESTRUS/ FEMALE

4324. **Zalmaev BE:** Limfaticheskoe ruslo shchitovidnoĭ zhelezy krolika v usloviiakh normy i pri éksperimental'nom tireodite.
Arkh Anat Gistol Embriol 63:45-50, Sep 72 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *LYMPHATIC SYSTEM, pathology/ MALE/ RABBITS/ *STAPHYLOCOCCAL INFECTIONS, pathology/ *THYROID GLAND, pathology/ THYROIDITIS, chemically induced/ *THYROIDITIS, pathology/ TURPENTINE

4325. **Zaitman G, Allwood Paredes J, Carrillo G:** Alimentación infantil, educación e información pública en Costa Rica.
Bol Of Sanit Panam 74:242-9, Mar 73 (Spa)
*COMMUNICATION/ COSTA RICA/ DEVELOPING COUNTRIES/ ENGLISH ABSTRACT/ FEMALE/ *HEALTH EDUCATION/ HUMAN/ INFANT, NEWBORN/ *INFANT NUTRITION/ LACTATION/ PREGNANCY

4326. **Zambrano D, Iturriza FC:** Hypothalamic-hypophysial relationships in the South American lungfish Lepidosiren paradoxa.
Gen Comp Endocrinol 20:256-73, Apr 73
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ FEMALE/ *FISHES, anatomy & histology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, blood supply/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ PITUITARY GLAND, cytology/ PITUITARY GLAND, innervation

4327. **Zamello J, Kokoszka W, Pisarczyk A, et al:** Nabłoniak kosmówkowy z przerzutami do płuc i pochwy.
Przegl Lek 30:333-4, 1973 (Pol)
ADULT/ *CHORIOCARCINOMA, drug therapy/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *LUNG NEOPLASMS, drug therapy/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ *VAGINAL NEOPLASMS, drug therapy

4328. **Zamorska L:** The activity of some intracellular enzymes in the corpus luteum spurium of the domestic pig (sus scrofa domestica L.).
Folia Histochem Cytochem (Krakow) 10:293-310, 1972
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, enzymology/ ESTRUS/ FEMALE/ GLUCURONIDASE, metabolism/ HISTOCYTOCHEMISTRY/ HYDROXYBUTYRATES, metabolism/ HYDROXYSTEROIDS, metabolism/ KREBS CYCLE/ LACTATES, metabolism/ OXIDOREDUCTASES, metabolism/ SUCCINATES, metabolism/ *SWINE, metabolism/ TIME FACTORS

4329. **Zamrazil V, Němec J, Bednář J, et al:** Thyroid disorders and glucose tolerance. Correlation of glucose tolerance tests and thyroid function parameters.
Endokrinologie 61:37-42, 1973
ACHILLES TENDON/ BLOOD SUGAR, analysis/ *GLUCOSE TOLERANCE TEST/ HUMAN/ IODINE, blood/ PROTEIN-BOUND IODINE TEST/ REFLEX/ *THYROID DISEASES, physiopathology/ TIME FACTORS/ TRIAMCINOLONE

4330. **Zañartu J, Guerrero R:** Steroid release from polymer vaginal devices. Effect on fertility inhibition.
Steroids 21:325-33, Mar 73
ADULT/ COMPARATIVE STUDY/ *CONTRACEPTIVE AGENTS, administration & dosage/ CONTRACEPTIVE AGENTS, adverse effects/ DIFFUSION/ FEMALE/ HUMAN/ *MEMBRANES, ARTIFICIAL/ *POLYMERS/ PREGNANCY/ *PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, adverse effects/ SILICONES/ *VAGINA

4331. **Zanchetti A, Baccelli G, Mancia G, et al:** Emotion and the cardiovascular system in the cat.
Ciba Found Symp 8:201-19, 1972
AGGRESSION/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CARDIAC OUTPUT/ *CARDIOVASCULAR SYSTEM, physiology/ *CATS/ CONFLICT (PSYCHOLOGY)/ DILATATION/ DOGS/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *EMOTIONS/ HINDLIMB/ HINDLIMB, innervation/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ MICE/ MUSCLES, blood supply/ NERVE FIBERS, MYELINATED, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PERIPHERAL NERVES, physiology/ PSYCHOPHYSIOLOGY/ SYMPATHETIC NERVOUS SYSTEM, physiology/ VASOMOTOR SYSTEM, physiology

4332. **Zangeneh F:** Vomiting, dehydration, and shock in a baby boy. Clin Pediatr (Phila) 12:319-20, May 73
*ADRENAL GLAND DISEASES, complications/

DEHYDRATION, etiology/ ELECTROLYTES, metabolism/ HUMAN/ *HYDROXYLASES, metabolism/ HYPERPLASIA/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MALE/ *METABOLISM, INBORN ERRORS/ SHOCK, etiology/ VOMITING, etiology

4333. Zanisi M, Motta M, Martini L: Inhibitory effect of 5 -reduced metabolites of testosterone on gonadotrophin secretion.
J Endocrinol 56:315-6, Feb 73
*ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ DEPRESSION, CHEMICAL/ FEEDBACK/ FSH, blood/ *FSH, secretion/ 17-HYDROXYCORTICOSTEROIDS, pharmacodynamics/ LH, blood/ *LH, secretion/ MALE/ RADIOIMMUNOASSAY/ RATS/ SECRETORY RATE, drug effects/ *STANOLONE, pharmacodynamics/ STEROLS, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics

4334. Zárate A, Canales ES: Prolactín: secreción en condiciones fisiológicas y en patología.
Ginecol Obstet Mex 33:109-19, Jan 73 (Spa)
*BREAST NEOPLASMS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *GYNECOLOGIC DISEASES, physiopathology/ HUMAN/ INFANT, NEWBORN/ *LACTATION DISORDERS, physiopathology/ *PITUITARY GLAND, secretion/ PREGNANCY/ *PROLACTIN, secretion/ TIME FACTORS

4335. Zárate A, Canales ES, Jacobs LS, et al: Restoration of ovarian function in patients with the amenorrhea-galactorrhea syndrome after long-term therapy with L-dopa. Fertil Steril 24:340-4, May 73
ADULT/ *AMENORRHEA, drug therapy/ CHIARI-FROMMEL SYNDROME, blood/ *CHIARI-FROMMEL SYNDROME, drug therapy/ CHIARI-FROMMEL SYNDROME, urine/ *DOPA, administration & dosage/ DOPA, adverse effects/ DOPA, therapeutic use/ ESTROGENS, urine/ FEMALE/ FSH, blood/ GONADOTROPINS, urine/ HUMAN/ *LACTATION DISORDERS, drug therapy/ LH, blood/ PROLACTIN, blood

4336. Zarem HA: The management of complications in head and neck surgery.
Surg Clin North Am 53:191-201, Feb 73
AIRWAY OBSTRUCTION, prevention & control/ ANESTHESIA/ DEGLUTITION DISORDERS, prevention & control/ ESTHETICS/ HEAD, surgery/ HEMORRHAGE, prevention & control/ HUMAN/ *IATROGENIC DISEASE, prevention & control/ MYXEDEMA, complications/ NECK NEOPLASMS, surgery/ NEOPLASMS, surgery/ ORAL HYGIENE/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PREOPERATIVE CARE/ RADIATION INJURIES, diagnosis/ SURGERY, OPERATIVE/ SURGICAL WOUND DEHISCENCE, prevention & control/ SURGICAL WOUND INFECTION, prevention & control

4337. Zarrow MX, Johnson NP, Denenberg VH, et al: Maintenance of lactational diestrum in the postpartum rat through tactile stimulation in the absence of suckling.
Neuroendocrinology 11:150-5, 1973
ANIMAL EXPERIMENTS/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ *LACTATION/ LIDOCAINE, pharmacodynamics/ MAMMAE, drug effects/ *MAMMAE, physiology/ PREGNANCY/ RATS/ *TOUCH

4338. Zarzycki J, Planeta-Malecka I: Samoistny zanik tarczycy u 15-letniej dziewczynki.
Endokrynol Pol 24:97-102, Jan-Feb 73 (Pol)
ADOLESCENCE/ ANTIBODIES, analysis/ ATROPHY/ CHOLESTEROL, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ MENSTRUATION DISORDERS, etiology/ THYROID GLAND, immunology

4339. Zatz MM, Goldstein AL: Antigen-induced depression of DNA synthesis in mouse spleen.
J Immunol 110:1312-7, May 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTIGENS/ DIPLOCOCCUS PNEUMONIAE, immunology/ *DNA, biosynthesis/ ERYTHROCYTES, immunology/ FEMALE/ HEMOCYANIN/ *IMMUNOSUPPRESSION/ IODINE ISOTOPES/ MALE/ MICE/ MICE, INBRED CBA/ POLYSACCHARIDES, BACTERIAL/ POLYVINYLPYRROLIDONE/ SALMONELLA TYPHOSA, immunology/ *SPLEEN, immunology/ THYMECTOMY/ URIDINE, metabolism

4340. Zaun H: Haarwuchsstörungen nach Sexualhormontherapie--Sexualhormontheapie bei Haarwuchsstörungen.
Hautarzt 24:1-6, Jan 73 (52 ref.) (Ger)
*ALOPECIA, chemically induced/ ALOPECIA, drug therapy/ ANABOLIC STEROIDS, adverse effects/ ANABOLIC STEROIDS, therapeutic use/ ANDROGENS, adverse effects/ ANDROGENS, therapeutic use/ CHLORMADINONE, therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ CYPROTERONE, adverse effects/ CYPROTERONE, therapeutic use/ ESTROGENS, adverse effects/ ESTROGENS, physiology/ ESTROGENS, therapeutic use/ FEMALE/ HIRSUTISM, chemically induced/ HIRSUTISM, drug therapy/ HUMAN/ *HYPERTRICHOSIS, chemically induced/ HYPERTRICHOSIS, drug therapy/ MALE/ REVIEW/ *SEX HORMONES, adverse effects/ SEX HORMONES, therapeutic use

4341. Zsebök ZB, Sellyei M, Baumgartner E: Chromosomenanomalien der Lymphozyten bei Schilddrüsenuntersuchungen mit 131-.
Strahlentherapie [Sonderb] 72:253-5, 1972 (Ger)
*CHROMOSOME ABNORMALITIES, etiology/ ENGLISH ABSTRACT/ HUMAN/ *IODINE ISOTOPES, DIAGNOSTIC, adverse effects/ *LYMPHOCYTES, radiation effects/ *RADIATION EFFECTS/ RADIATION GENETICS/ *THYROID GLAND FUNCTION TESTS

4342. Zeilhofer R, Eickeler R: Chemotherapie der Tuberkulose dargestellt am Modellbeispiel der Pleuritis exsudative tuberculosa.
Fortschr Med 91:599-602, 17 May 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ETHAMBUTOL, therapeutic use/ HUMAN/ ISONIAZID, therapeutic use/ LONG TERM CARE/ MODELS, BIOLOGICAL/ *PLEURISY, drug therapy/ PLEURISY, etiology/ RIFAMPIN, therapeutic use/ TUBERCULOSIS, PLEURAL, complications/ TUBERCULOSIS, PLEURAL, diagnosis/ *TUBERCULOSIS, PLEURAL, drug therapy

4343. Zervas NT, Kuwayama A, Rosoff CB, et al: Cerebral arterial spasm. Modification by inhibition of platelet function. Arch Neurol 28:400-4, Jun 73
ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BASILAR ARTERY/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ BRADYKININ, blood/ BRAIN, pathology/ CATECHOLAMINES, blood/ CATS/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ISCHEMIA, TRANSIENT, blood/ *CEREBRAL ISCHEMIA, TRANSIENT, etiology/ CEREBRAL ISCHEMIA, TRANSIENT, pathology/ CISTERNA MAGNA/ DOGS/ HISTAMINE, blood/ RABBITS/ RATS/ RENIN, blood/ RESERPINE, administration & dosage/ RESERPINE, pharmacodynamics/ SEROTONIN, blood/ SUBARACHNOID HEMORRHAGE, blood/ SUBARACHNOID HEMORRHAGE, complications/ SUBARACHNOID HEMORRHAGE, pathology

4344. Zettler H: Elektroenzephalographische Befunde bei internen Erkrankungen.
Psychiatr Neurol Med Psychol (Leipz) 25:13-26, Jan 73 (Ger)
ADULT/ CEREBRAL ANOXIA, diagnosis/ CHOLANGITIS, diagnosis/ *ELECTROENCEPHALOGRAPHY/ ENGLISH

ABSTRACT/ FEMALE/ HEPATITIS, diagnosis/ HUMAN/ HYPERINSULINISM, diagnosis/ HYPOGLYCEMIA, diagnosis/ MALE/ *METABOLIC DISEASES, diagnosis/ MIDDLE AGE/ THYROID CRISIS, diagnosis

4345. **Zhdanov DA, Nikitiuk BA:** Rentgenoanatomicheskoe issledovanie kal'tsinoza arterii konechnostei.
Arkh Anat Gistol Embriol 63:14-20, Sep 72 **(Rus)**
AGE FACTORS/ AGED/ ARTERIOSCLEROSIS, radiography/ BLOOD PRESSURE/ BODY HEIGHT/ BODY WEIGHT/ ENGLISH ABSTRACT/ *EXTREMITIES, blood supply/ FEMALE/ HUMAN/ MALE/ MENOPAUSE/ MIDDLE AGE/ OBESITY, complications/ OSTEOPOROSIS, etiology/ SEX FACTORS

4346. **Zhuk EA, Pimenova LM:** Vliianie bol'shikh doz prednizolona na sostoianie "slizistogo ber'era" zheludka u beiykb krys.
Probl Endokrinol (Mosk) 19:101-4, Jan-Feb 73 **(Rus)**
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ ENGLISH ABSTRACT/ *GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ MALE/ MITOSIS, drug effects/ *PREDNISOLONE, administration & dosage/ RATS

4347. **Zhukovskii MA, Buraia TI, Kuznetsova ES:** Dinamika rosta i razvitiia detei s vrozhdennof disfunktsiei kory nadpocbecbnikov (po dannym katamnesticheskogo issledovaniia.
Vopr Okbr Materin Det 17:17-21, Nov 72 **(Rus)**
ADOLESCENCE/ *ADRENOGENITAL SYNDROME, therapy/ AGE FACTORS/ BODY HEIGHT/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS, therapy/ HUMAN/ MALE/ *PREDNISOLONE, administration & dosage

4348. **Zhupanenko TI:** Morfolohiia platsenty, vmist midi ta marbantsiu v posiidi pry piznikh toksykozakb vabitnykb.
Pediatr Akush Ginekol 1:44-6, Jan-Feb 72 **(Ukr)**
ADULT/ *COPPER, metabolism/ FEMALE/ HUMAN/ *MANGANESE, metabolism/ PLACENTA, metabolism/ *PLACENTA, pathology/ PREGNANCY/ PREGNANCY TOXEMIAS, metabolism/ *PREGNANCY TOXEMIAS, pathology

4349. **Ziemiański S, Opuszyńska T, Kruś S:** Biological evaluation of the nutritive value of edible fats. 3. Effect of selected fats on the morphology of certain organs. Pol Med J 11:1625-33, 1972
ANIMAL EXPERIMENTS/ BUTTER/ *DIETARY FATS/ *FATTY ACIDS, pbarmacodynamics/ KIDNEY, drug effects/ LIVER, drug effects/ MALE/ MARGARINE/ *MYOCARDIUM, drug effects/ MYOCARDIUM, patbology/ ORGAN WEIGHT/ RATS/ TESTIS, drug effects

4350. **Zilva JF, Nicholson JP:** Plasma phospbate and potassium levels in the hypercalcemia of malignant disease. J Clin Endocrinol Metab 36:1019-26, May 73
AGED/ BONE NEOPLASMS, blood/ *BREAST NEOPLASMS, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERPARATHYROIDISM, blood/ NEOPLASM METASTASIS/ NEOPLASMS, blood/ *PHOSPHATES, blood/ *POTASSIUM, blood/ RETROSPECTIVE STUDIES/ UREA, blood

4351. **Zimbelman RG, Lauderdale JW:** Failure of prepartum or neonatal steroid injections to cause infertility in heifers, gilts, and bitches. Biol Reprod 8:388-91, Apr 73
ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ CATTLE/ CLITORIS, drug effects/ CORPUS LUTEUM, drug effects/ DOGS/ ENDOMETRIUM, anatomy & histology/ ESTRUS, drug effects/ FEMALE/ FETUS, drug effects/ OVARY, metabolism/ OVULATION, drug effects/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROGESTERONE, adverse effects/ PROGESTERONE, metabolism/ *STERILITY, FEMALE, chemically induced/ SWINE/ *TESTOSTERONE, adverse effects/ TESTOSTERONE, metabolism

4352. **Zimmerman EA, Hsu KC, Robinson AG, et al:** Studies of neurophysin secreting neurons with immunoperoxidase techniques employing antibody to bovine neurophysin. I. Light microscopic findings in monkey and bovine tissues.
Endocrinology 92:931-40, Mar 73
ANIMAL EXPERIMENTS/ CATTLE/ CYTOPLASM, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, analysis/ IMMUNE SERUMS/ MONKEYS/ *NEURONS, analysis/ *NEUROPHYSINS, analysis/ *PEROXIDASES, diagnostic use/ *PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM GLOBULINS/ SHEEP, immunology/ STAINS AND STAINING

4353. **Zimmerman EG, Sihvonen DA:** Cbromosomal banding pattern and idiogram of tbe cotton rat, Sigmodon arizonae (Rodentia, Muridae).
Chromosoma 41:85-91, 1973
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ CYTOGENETICS/ DIPLOIDY/ FEMALE/ GENETIC TECHNICS/ HAPLOIDY/ KARYOTYPING/ MALE/ MITOSIS/ RODENTS/ SEX CHROMOSOMES/ TRYPSIN

4354. **Zimmerman JE Jr, Raska K Jr:** Inhibition of adenovirus type 12 induced DNA synthesis in G1-arrested BHK21 cells by dibutyryl adenosine cyclic 3':5'-monopbospbate.
Nature [New Biol] 239:145-7, 4 Oct 72
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pbarmacodynamics/ *ADENOVIRUS, metabolism/ ANTIGENS, NEOPLASM, analysis/ BUTYRATES/ CELL DIVISION, drug effects/ CELL LINE/ *CONTACT INHIBITION/ *DNA, VIRAL, biosynthesis/ FLUORESCENT ANTIBODY TECHNIC/ HAMSTERS/ KIDNEY/ THYMIDINE, metabolism/ TRITIUM

4355. **Zimmermann-Górska I, Routavaara M, Martio J:** Reliability of seromucoid as an indicator of rheumatoid artbritis activity.
Scand J Rbeumatol 1:2-4, 1972
ADULT/ ARTHRITIS, RHEUMATOID, drug tberapy/ *ARTHRITIS, RHEUMATOID, pbysiopathology/ BLOOD SEDIMENTATION/ C-REACTIVE PROTEIN, analysis/ FEMALE/ HUMAN/ MIDDLE AGE/ *MUCOPROTEINS, blood/ PREDNISONE, therapeutic use

4356. **Ziv G, Sulman FG:** Serum and milk concentrations of spectinomycin and tylosin in cows and ewes.
Am J Vet Res 34:329-33, Mar 73
ACTINOSPECTACIN, administration & dosage/ ACTINOSPECTACIN, analysis/ ACTINOSPECTACIN, blood/ *ACTINOSPECTACIN, metabolism/ ACTINOSPECTACIN, therapeutic use/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, administration & dosage/ ANTIBIOTICS, analysis/ *ANTIBIOTICS, metabolism/ *CATTLE, metabolism/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LACTATION/ MASTITIS, drug therapy/ MASTITIS, veterinary/ MASTITIS, BOVINE, drug therapy/ *MILK, analysis/ *SHEEP, metabolism/ SHEEP DISEASES, drug therapy/ ULTRAFILTRATION

4357. **Ziv G, Sulman FG:** Passage of polymyxins from serum into milk in ewes. Am J Vet Res 34:317-22, Mar 73
ALKYL SULFONATES, administration & dosage/ ALKYL SULFONATES, analysis/ ALKYL SULFONATES, blood/ ANIMAL EXPERIMENTS/ COLISTIN, administration & dosage/ COLISTIN, analysis/ COLISTIN, blood/ *COLISTIN, metabolism/ COLISTIN, therapeutic use/ ENDOTOXINS/ ESCHERICHIA COLI/ FEMALE/ INJECTIONS,

INTRAMUSCULAR/ LACTATION/ MASTITIS, drug therapy/ MASTITIS, etiology/ MASTITIS, veterinary/ *MILK, analysis/ POLYMYXIN, administration & dosage/ POLYMYXIN, analysis/ POLYMYXIN, blood/ *POLYMYXIN, metabolism/ POLYMYXIN, therapeutic use/ *SHEEP, metabolism/ SHEEP DISEASES, drug therapy/ SHEEP DISEASES, etiology

4358. **Zivić R, Stojanović V, Jovanović S:** Dermatomyositis u deteta od 2,5 godine. Reumatizam 19:224-8, 1972 (Cro)
ADRENAL CORTEX HORMONES, therapeutic use/ CHILD, PRESCHOOL/ *DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ FEMALE/ HUMAN

4359. **Znamens'ka OI:** Sorbtsiĭna aktivnist' kliityn endokrynnykh orhaniv pry vahitnosti.
Fiziol Zh 18:687-8, Sep-Oct 72 (Ukr)
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ FEMALE/ *OVARY, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *THYROID GLAND, metabolism

4360. **Zotov VV, Marincheva GS, Mitrofanov II, et al:** Trisomiia-X u devochek, bol'nykh oligofreniei (tsitogeneticheskoe i klinicheskoe opisanie 7 nabliudenii.
Zh Nevropatol Psikhiatr 72:1365-72, 1972 (Rus)
ADOLESCENCE/ CHILD/ CHILD BEHAVIOR DISORDERS/ CHILD DEVELOPMENT DEVIATIONS/ CYTOGENETICS/ EMOTIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MEMORY/ *MENTAL RETARDATION/ NEUROLOGIC MANIFESTATIONS/ SEX CHARACTERISTICS/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, occurrence/ SOCIAL BEHAVIOR DISORDERS/ SPEECH DISORDERS/ *TRISOMY

4361. **Zotter S:** Veränderungen der Ultrastruktur der gonadotropen Hypophysenvorderlappenzellen nach Teilhepatektomie bei der Maus.
Exp Pathol (Jena) 7:234-43, 1972 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ FSH, metabolism/ GONADOTROPINS, PITUITARY, metabolism/ *HEPATECTOMY/ LH, metabolism/ LIVER, metabolism/ MALE/ MICE/ *PITUITARY GLAND, pathology/ PROLACTIN, metabolism

4362. **Zschaeck LL, Wurtman RJ:** Brain 3 H-catechol synthesis and the vaginal estrous cycle.
Neuroendocrinology 11:144-9, 1973
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *CATECHOL, biosynthesis/ DOPAMINE, metabolism/ *ESTRUS/ FEMALE/ NOREPINEPHRINE, metabolism/ RATS/ TRITIUM/ TYROSINE, metabolism

4363. **Zubovskiĭ GA, Frenkel' VKh, Laricheva IP, et al:** Radioizotopnye issledovaniia fodnogo obmena metodom konkurentnogo analiza.
Med Radiol (Mosk) 18:16-22, Jan 73 (Rus)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FETUS, physiology/ HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ LABOR/ PREGNANCY/ PUERPERIUM/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood/ TRIIODOTHYRONINE, diagnostic use

4364. **Zuck TF, Bergin JJ, Perkins RP:** Antithrombin 3 and oestrogen content of oral contraceptives.
Lancet 1:831, 14 Apr 73
*ANTITHROMBIN, blood/ *CONTRACEPTIVES, ORAL, analysis/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ETHINYL ESTRADIOL, analysis/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *MESTRANOL, analysis/ MESTRANOL, pharmacodynamics

4365. **Zucoloto S, Oliveira JA de:** Estudo experimental dos effeitos de estímulos alarmantes no rato.
Rev Bras Pesqui Med Biol 5:171-9, Sep-Dec 72 (Por)
ADRENAL MEDULLA, physiopathology/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BODY TEMPERATURE/ BODY WEIGHT/ *BURNS/ *CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ *FASTING/ *HEMORRHAGE, GASTROINTESTINAL, etiology/ *IMMOBILIZATION/ *LUNG DISEASES, etiology/ MALE/ RATS/ *STOMACH ULCER, etiology/ *STRESS, complications/ STRESS, physiopathology/ STRESS, urine

4366. **Zukowski W, Reisenauer R, Pacyński A, et al:** Tkanka tłuszczowa w nadczynności tarczycy.
Pol Tyg Lek 28:438-40, 19 Mar 73 (Pol)
*ADIPOSE TISSUE, metabolism/ ADULT/ BODY HEIGHT/ *BODY WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, metabolism/ MIDDLE AGE/ SKINFOLD THICKNESS

4367. **Zulman A, Zulman FG:** [Serologic test for pregnancy]
Harefuah 84:242-3, 15 Feb 73 (Heb)
ANIMAL EXPERIMENTS/ FEMALE/ GONADOTROPINS, urine/ HEMAGGLUTINATION INHIBITION TESTS/ LATEX FIXATION TESTS/ METHODS/ PREGNANCY/ PREGNANCY, ANIMAL/ *PREGNANCY TESTS, IMMUNOLOGIC/ RATS/ TIME FACTORS

4368. **Zuniga MA, Lopez H, Sandham HJ, et al:** Calcium and phosphorus contents of dental plaques and microhardness changes of sample enamel in the human mouth. Ala J Med Sci 10:3-10, Jan 73
ADULT/ CALCIUM, analysis/ *CALCIUM, metabolism/ DENTAL CARIES, metabolism/ *DENTAL ENAMEL, metabolism/ *DENTAL PLAQUE, metabolism/ HARDNESS TESTS/ HUMAN/ PHOSPHORUS, analysis/ *PHOSPHORUS, metabolism

4369. **Zusman RM:** Quantitative conversion of PGA or PGE to PGB. Prostaglandins 1:167-8, Feb 72
ALCOHOL, METHYL/ CHEMISTRY/ CHROMATOGRAPHY/ HYDROXIDES/ METHODS/ PRECIPITATION/ PROSTAGLANDINS/ SPECIAL LIST REPRODUCTION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

4370. **Zusman RM, Spector D, Caldwell BV, et al:** The effect of chronic sodium loading and sodium restriction on plasma prostaglandin A, E, and F concentrations in normal humans. J Clin Invest 52:1093-8, May 73
ADULT/ BLOOD PRESSURE, drug effects/ BODY WEIGHT/ DIET/ FEMALE/ HOMEOSTASIS/ HUMAN/ KIDNEY FUNCTION TESTS/ MALE/ POTASSIUM, blood/ *PROSTAGLANDINS, blood/ RENIN, blood/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ SODIUM CHLORIDE, administration & dosage

4371. **Zweymüller K, Jesserer H:** Thyreotoxische Osteopathie.
Munch Med Wochenschr 115:548-53, 30 Mar 73 (Ger)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ SEX FACTORS

4372. **Zwykielski G, Rzepecki A, Kossak J:** Wznowy wola prostego.
Pol Przegl Chir 45:317-21, Mar 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, surgery/ HUMAN/ RECURRENCE/ TIME FACTORS

AUTHOR SECTION

ANONYMOUS

Ann Intern Med

4373. Sipple's syndrome: medullary thyroid carcinoma, pheochromocytoma, and parathyroid disease. Studies in a large family. Ann Intern Med 78:561-79, Apr 73
*ADENOMA, familial & genetic/ ADENOMA, surgery/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, familial & genetic/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ CARCINOMA, enzymology/ *CARCINOMA, familial & genetic/ CARCINOMA, radiography/ CARCINOMA, surgery/ DOPA DECARBOXYLASE, metabolism/ FEMALE/ HISTAMINASE, blood/ HISTAMINASE, metabolism/ HUMAN/ *HYPERPARATHYROIDISM, familial & genetic/ LUNG NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ MONOAMINE OXIDASE, metabolism/ NEOPLASM METASTASIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ *PARATHYROID NEOPLASMS, familial & genetic/ PARATHYROID NEOPLASMS, surgery/ *PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery/ SYNDROME/ THYROID GLAND, enzymology/ THYROID NEOPLASMS, enzymology/ *THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, radiography/ THYROID NEOPLASMS, surgery

Ann NY Acad Sci

4374. Successful women in the sciences: an analysis of determinants. VI. Significant related problems of professional women. Discussion.
Ann NY Acad Sci 208:246-54, 15 Mar 73
ACHIEVEMENT/ FAMILY CHARACTERISTICS/ FEMALE/ HUMAN/ MENSTRUATION/ PARENT-CHILD RELATIONS/ SCIENCE/ SEX HORMONES/ UNITED STATES/ *WOMEN

Blut

4375. Keine Kortikosteroide in der Behandlung einer Histiozytose nach BCG-Impfung.
Blut 26:204, Mar 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTITUBERCULAR AGENTS, therapeutic use/ *BCG VACCINATION, adverse effects/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *LYMPHOMA, drug therapy/ LYMPHOMA, etiology

Br J Anaesth

4376. Reactions to Althesin. Br J Anaesth 45:301-3, Mar 73
ADULT/ AGED/ *ANESTHETICS, adverse effects/ *BRONCHIAL SPASM, chemically induced/ CYANOSIS, chemically induced/ FEMALE/ HUMAN/ HYPOTENSION, chemically induced/ KETONES, adverse effects/ MALE/ MIDDLE AGE/ *PREGNANES, adverse effects/ TACHYCARDIA, chemically induced

Br Med J

4377. Contraceptives on the NHS. Br Med J 2:116-7, 14 Apr 73
*CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ GENERAL PRACTICE/ GREAT BRITAIN/ HUMAN/ *PRESCRIPTIONS/ *STATE MEDICINE

4378. Prevention of hyaline membrane disease.
Br Med J 2:65-6, 14 Apr 73
*ADRENAL CORTEX HORMONES, therapeutic use/ FEMALE/ HUMAN/ *HYALINE MEMBRANE DISEASE, prevention & control/ INFANT, NEWBORN/ LABOR, INDUCED/ LABOR, PREMATURE/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, prevention & control/ SURFACE-ACTIVE AGENTS

4379. Blood pressure and the pill. Br Med J 1:693, 24 Mar 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ BODY WEIGHT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, familial & genetic/ HYPERTENSION, prevention & control/ MIDDLE AGE/ PREGNANCY

4380. A case of acromegalic heart disease.
Br Med J 1:718-24, 24 Mar 73
*ACROMEGALY, complications/ AORTIC VALVE, pathology/ AUTOPSY/ CALCINOSIS, pathology/ CASE REPORT/ ELECTROCARDIOGRAPHY/ *HEART DISEASES, complications/ HEART DISEASES, pathology/ HEART ENLARGEMENT, complications/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ KIDNEY DISEASES, complications/ LUNG DISEASES, complications/ MALE/ MIDDLE AGE/ MYOCARDIUM, pathology/ ORGAN WEIGHT/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, surgery/ THROMBOEMBOLISM, complications/ THYROID DISEASES, complications

4381. Premenstrual symptoms. Br Med J 1:689-90, 24 Mar 73
ADOLESCENCE/ ADULT/ ANOREXIA NERVOSA, complications/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, etiology/ NEUROSES, complications/ PREGNANCY/ *PREMENSTRUAL TENSION/ PREMENSTRUAL TENSION, drug therapy/ PROGESTERONE, therapeutic use/ PSEUDOPREGNANCY/ SCOPOLAMINE, therapeutic use/ STRESS, PSYCHOLOGICAL/ WATER-ELECTROLYTE BALANCE

4382. A case of anorexia. Br Med J 2:158-63, 21 Apr 73
ACETONE, urine/ ADULT/ AMENORRHEA/ *ANOREXIA NERVOSA, etiology/ AUTOPSY/ BLOOD PRESSURE/ BODY WEIGHT/ CASE REPORT/ DIET, REDUCING, adverse effects/ ELECTROENCEPHALOGRAPHY/ EPILEPSY/ GLUCOSE, therapeutic use/ HEMIPLEGIA, etiology/ HUMAN/ HYPERNATREMIA/ PIGMENTATION DISORDERS/ PINEAL BODY, pathology/ PINEALOMA, diagnosis/ *PINEALOMA, pathology/ PROTEINURIA/ PULSE/ STEROIDS, therapeutic use/ THIRST/ THYROXINE, therapeutic use/ VOMITING

4383. Diagnosis of thyrotoxicosis. Br Med J 2:131-2, 21 Apr 73
AGE FACTORS/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSIS, LABORATORY/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ NEUROSES, ANXIETY, diagnosis/ THYROID GLAND FUNCTION TESTS

4384. A marker for medullary carcinoma of thyroid.
Br Med J 2:257-8, 5 May 73
*CARCINOMA, enzymology/ CORTICOTROPIN, secretion/ HISTAMINASE, blood/ *HISTAMINASE, secretion/ HUMAN/ PROSTAGLANDINS, secretion/ SEROTONIN, secretion/ THYROCALCITONIN, secretion/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, enzymology

4385. Compression of cord by Paget's disease.
Br Med J 2:321-2, 12 May 73
HUMAN/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, complications/ OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, surgery/ SPINAL CORD COMPRESSION, drug therapy/ *SPINAL CORD COMPRESSION, etiology/ SPINAL CORD COMPRESSION, surgery/ THYROCALCITONIN, therapeutic use

4386. Primary excess and deficiency or renin.
Br Med J 1:627-8, 17 Mar 73
ADOLESCENCE/ ADULT/ AGED/ ALDOSTERONE, blood/ CHILD/ *ENDOCRINE DISEASES/ ENDOCRINE DISEASES, complications/ HEMANGIOPERICYTOMA, metabolism/ HUMAN/ HYPERALDOSTERONISM, etiology/ HYPERTENSION, etiology/ KIDNEY NEOPLASMS, metabolism/ *RENIN/ RENIN, secretion

4387. New ideas on vitamin D. Br Med J 1:629-30, 17 Mar 73
ANIMAL EXPERIMENTS/ *CALCIUM,

metabolism/ ENZYME INDUCTION, drug effects/ HUMAN/ HYDROXYCHOLECALCIFEROL, biosynthesis/ *HYDROXYCHOLECALCIFEROL, metabolism/ KIDNEY, metabolism/ LIVER, enzymology/ *PARATHYROID HORMONE, metabolism

4388. Inheritance of hyperthyroidism.
Br Med J 2:5-6, 7 Apr 73
ARRHYTHMIA, familial & genetic/ DISEASES IN TWINS/ FEMALE/ GOITER, EXOPHTHALMIC, familial & genetic/ HUMAN/ *HYPERTHYROIDISM, familial & genetic/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ SEX CHROMOSOMES/ THYROIDITIS, LYMPHOMATOUS, familial & genetic

Cah Med

4389. Les hyperthyroidies.
Cah Med 13:1133-220, 30 Dec 72 **(Fre)**
ARRHYTHMIA, etiology/ ASTHENIA, etiology/ EXOPHTHALMOS, therapy/ GOITER, EXOPHTHALMIC, complications/ GOITER, NODULAR, complications/ HEART DISEASES, etiology/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, surgery/ HYPNOTICS AND SEDATIVES, therapeutic use/ IODINE, therapeutic use/ IODINE ISOTOPES, therapeutic use/ MUSCULAR DISEASES, etiology/ THYROID ANTAGONISTS, therapeutic use/ THYROID CRISIS, etiology/ THYROID NEOPLASMS, complications/ THYROIDECTOMY/ THYROIDITIS, LYMPHOMATOUS, complications

Chin Med J

4390. [Analysis of the effectiveness of acupuncture anesthesia in thyroidectomy]
Chin Med J 3:74-7, 1973 **(Chi)**
*ACUPUNCTURE/ *ANESTHESIA/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ THYROID DISEASES, surgery/ *THYROIDECTOMY

4391. [Treatment of choriocarcinoma and chorioadenoma destruens with high dosage chemotherapy]
Chin Med J 3:101-9, 1973 **(Chi)**
*ANTINEOPLASTIC AGENTS, therapeutic use/ *CHORIOADENOMA, drug therapy/ *CHORIOCARCINOMA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *UTERINE NEOPLASMS, drug therapy

Drug Ther Bull

4392. Treatment for diabetic retinopathy.
Drug Ther Bull 10:85-7, 27 Oct 72
ANTIHYPERTENSIVE AGENTS, therapeutic use/ BLINDNESS, etiology/ CLOFIBRATE, therapeutic use/ DIABETIC RETINOPATHY, drug therapy/ DIABETIC RETINOPATHY, surgery/ *DIABETIC RETINOPATHY, therapy/ HUMAN/ HYPOPHYSECTOMY/ LASER COAGULATION/ LIGHT COAGULATION/ RETINAL HEMORRHAGE, prevention & control

4393. Lozenges, mouthwashes and gargles.
Drug Ther Bull 10:33-5, 28 Apr 72
AMPHOTERICIN B, administration & dosage/ ANESTHETICS, LOCAL, administration & dosage/ ANTIBIOTICS, administration & dosage/ ANTI-INFECTIVE AGENTS, LOCAL, administration & dosage/ HUMAN/ HYDROCORTISONE, administration & dosage/ METHYLCELLULOSE, administration & dosage/ *MOUTH DISEASES, drug therapy/ *MOUTHWASHES/ *PHARYNGEAL DISEASES, drug therapy/ *TABLETS

4394. Porcine calcitonin (Calcitare).
Drug Ther Bull 11:9-10, 2 Feb 73
HUMAN/ *HYPERCALCEMIA, drug therapy/ *OSTEITIS DEFORMANS, drug therapy/ *THYROCALCITONIN, therapeutic use

Dtsch Med Wochenschr

4395. Hormonale Regulation des Lipidstoffwechsels. 19. Symposion der Deutschen Gesellschaft für Endokrinologie.
Dtsch Med Wochenschr 98:787-91, 13 Apr 73 **(Ger)**
ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADIPOSE TISSUE, metabolism/ CONTRACEPTIVES, ORAL, adverse effects/ DIETARY FATS, metabolism/ *ENDOCRINE GLANDS, physiology/ ESTROGENS, pharmacodynamics/ EXERTION/ FEMALE/ HUMAN/ *LIPIDS, metabolism/ LIPOTROPIN/ MALE/ MENOPAUSE/ MIDDLE AGE/ OBESITY, metabolism/ SOMATOTROPIN, physiology/ TESTOSTERONE, pharmacodynamics

Geriatrics

4396. When the diagnosis doesn't fit the clinical picture.
Geriatrics 28:52 passim, Mar 73
ADENOCARCINOMA, complications/ *ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, drug therapy/ AGED/ BONE NEOPLASMS, complications/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PROSTATIC NEOPLASMS, complications/ *PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ RADIOISOTOPE SCANNING

Ill Med J

4397. Pituitary apoplexy. Ill Med J 143:435-7, May 73
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, surgery/ ANGIOGRAPHY/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, surgery/ PNEUMOENCEPHALOGRAPHY

Int Surg

4398. Radicality in cancer surgery. Int Surg 58:182-9, Mar 73
BREAST NEOPLASMS, surgery/ BRONCHIAL NEOPLASMS, surgery/ CARCINOMA, EPIDERMOID, surgery/ CERVIX NEOPLASMS, surgery/ COLECTOMY/ ESOPHAGEAL NEOPLASMS, surgery/ GASTRECTOMY/ HEPATECTOMY/ HUMAN/ HYSTERECTOMY/ INTESTINAL NEOPLASMS, surgery/ LIVER NEOPLASMS, surgery/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MASTECTOMY/ MOUTH NEOPLASMS, surgery/ *NEOPLASMS, surgery/ PANCREATECTOMY/ PANCREATIC NEOPLASMS, surgery/ PHARYNGEAL NEOPLASMS, surgery/ PNEUMONECTOMY/ RECTAL NEOPLASMS, surgery/ STOMACH NEOPLASMS, surgery/ THORACIC NEOPLASMS, surgery/ THYROID NEOPLASMS, surgery/ UTERINE NEOPLASMS, surgery

J Am Osteopath Assoc

4399. "Under what circumstances will you prescribe The Pill"? J Am Osteopath Assoc 72:776-81, Apr 73
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ MIDDLE AGE/ QUESTIONNAIRES/ UNITED STATES

J Iowa Med Soc

4400. Prednisone treatment for Bell's palsy.
J Iowa Med Soc 63:221, May 73
*FACIAL PARALYSIS, drug therapy/ HUMAN/ *PREDNISONE, therapeutic use

J Reprod Med

4401. Hydrotubation used on difficult infertility patients.
J Reprod Med 10:144-6, Mar 73
ANTIBIOTICS, therapeutic use/ CHYMOTRYPSIN, therapeutic use/ CORTISONE, therapeutic use/ DEXAMETHASONE, therapeutic use/

*FALLOPIAN TUBES/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ IRRIGATION/ *STERILITY, FEMALE, therapy/ STREPTOMYCIN, therapeutic use

JAMA

4402. Cancer and immune mechanisms.
JAMA 224:1286, 28 May 73
HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ KIDNEY, transplantation/ NEOPLASMS, chemically induced/ *NEOPLASMS, immunology/ NEOPLASMS, RADIATION-INDUCED/ THYROID NEOPLASMS, occurrence

4403. From vitamin to hormone. JAMA 224:1286-7, 28 May 73
CALCIUM METABOLISM DISORDERS, etiology/ CHOLECALCIFEROL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, physiology/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *KIDNEY, metabolism/ VITAMIN D, metabolism/ *VITAMIN D, physiology/ VITAMIN D DEFICIENCY, complications

4404. Drug-induced extrapyramidal symptoms. A cooperative study. JAMA 224:889-91, 7 May 73
*ANTIDEPRESSIVE AGENTS, adverse effects/ BUTYROPHENONES, adverse effects/ CHLORPROMAZINE, adverse effects/ DRUG SYNERGISM/ EXTRAPYRAMIDAL DISORDERS, chemically induced/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *MOVEMENT DISORDERS, chemically induced/ *PHENOTHIAZINE TRANQUILIZERS, adverse effects/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROCHLORPERAZINE, adverse effects/ TRIFLUOPERAZINE, adverse effects

4405. Polymyalgia rheumatica.
JAMA 224:Suppl 5:728, 30 Apr 73
HUMAN/ *POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ PREDNISONE, therapeutic use

4406. Ankylosing spondylitis.
JAMA 224:Suppl 5:729-31, 30 Apr 73
BONE AND BONES, pathology/ EYE MANIFESTATIONS/ HUMAN/ ORTHOPEDIC FIXATION DEVICES/ PHYSICAL THERAPY/ REST/ SACROILIAC JOINT/ *SPONDYLITIS, ANKYLOSING, diagnosis/ SPONDYLITIS, ANKYLOSING, pathology/ SPONDYLITIS, ANKYLOSING, therapy

4407. Osteitis deformans (Paget's disease of bone).
JAMA 224:Suppl 5:782-3, 30 Apr 73
AGED/ ASPIRIN, therapeutic use/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ MITHRAMYCIN, therapeutic use/ *OSTEITIS DEFORMANS, diagnosis/ OSTEITIS DEFORMANS, drug therapy/ THYROCALCITONIN, therapeutic use

4408. Hyperparathyroidism. JAMA 224:Suppl 5:773, 30 Apr 73
CHONDROCALCINOSIS, diagnosis/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ *JOINT DISEASES, diagnosis

4409. Degenerative joint disease (oasteoarthritis).
JAMA 224:Suppl 5:740-4, 30 Apr 73
AGED/ AGING/ ASPIRIN, therapeutic use/ CARTILAGE, ARTICULAR, metabolism/ CHONDROITIN, metabolism/ FEMALE/ FINGER JOINT/ GLUCOCORTICOIDS, therapeutic use/ HEAT/ HIP JOINT/ HUMAN/ HYALURONIDASE, metabolism/ JOINT PROSTHESIS/ KNEE JOINT/ MALE/ ORTHOPEDIC FIXATION DEVICES/ *OSTEOARTHRITIS, diagnosis/ OSTEOARTHRITIS, metabolism/ OSTEOARTHRITIS, therapy/ REST/ SPINAL DISEASES, diagnosis

4410. Rheumatoid arthritis.
JAMA 224:Suppl 5:687-70, 30 Apr 73 (89 ref.)
ANTIGEN-ANTIBODY REACTIONS/ ARTHRITIS, JUVENILE RHEUMATOID, diagnosis/ ARTHRITIS, JUVENILE RHEUMATOID, therapy/ *ARTHRITIS, RHEUMATOID/ ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, immunology/ ARTHRITIS, RHEUMATOID, occurrence/ ARTHRITIS, RHEUMATOID, therapy/ ASPIRIN, therapeutic use/ BIOPSY/ CHLOROQUINE, therapeutic use/ GOLD, therapeutic use/ HUMAN/ HYDROXYCHLOROQUINE, therapeutic use/ IMMUNOGLOBULINS/ LYSOSOMES, enzymology/ PREDNISONE, therapeutic use/ REVIEW/ RHEUMATIC NODULE/ RHEUMATOID FACTOR/ SYNOVIAL MEMBRANE/ SYNOVITIS, diagnosis/ TENOSYNOVITIS, diagnosis/ VASCULAR DISEASES, diagnosis

4411. Polymyositis and dermatomyositis.
JAMA 224:Suppl 5:717-9, 30 Apr 73
BIOPSY/ DERMATOMYOSITIS, complications/ *DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, pathology/ FEMALE/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ MUSCLES, pathology/ MUSCULAR DISEASES, complications/ *MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, pathology/ NEOPLASMS, complications/ PREDNISONE, therapeutic use

4412. Psoriatic arthritis. JAMA 224:Suppl 5:732-3, 30 Apr 73
ARTHRITIS, complications/ *ARTHRITIS, diagnosis/ ARTHRITIS, drug therapy/ ASPIRIN, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ GOLD, therapeutic use/ HUMAN/ METHOTREXATE, therapeutic use/ PSORIASIS, complications/ *PSORIASIS, diagnosis/ PSORIASIS, drug therapy

4413. Heritable disorders of connective tissue.
JAMA 224:Suppl 5:774-6, 30 Apr 73
ARACHNODACTYLY, familial & genetic/ BONE DISEASES, DEVELOPMENTAL, familial & genetic/ CARBOHYDRATE METABOLISM, INBORN ERRORS, familial & genetic/ *COLLAGEN DISEASES, familial & genetic/ *CONNECTIVE TISSUE/ CUTIS LAXA, familial & genetic/ EHLERS-DANLOS SYNDROME, familial & genetic/ FEMALE/ HOMOCYSTINURIA, familial & genetic/ HUMAN/ JOINT DISEASES, familial & genetic/ MALE/ MUCOPOLYSACCHARIDES, metabolism/ OSTEOGENESIS IMPERFECTA, familial & genetic/ PSEUDOXANTHOMA ELASTICUM, familial & genetic

4414. Systemic lupus erythematosus.
JAMA 224:Suppl 5:701-11, 30 Apr 73 (50 ref.)
ANTINUCLEAR FACTORS/ ARTHRITIS, RHEUMATOID, diagnosis/ FEMALE/ HEPATITIS, complications/ HUMAN/ HYDRALAZINE, adverse effects/ IMMUNOGLOBULINS/ KIDNEY, pathology/ LE CELLS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC/ LUPUS ERYTHEMATOSUS, SYSTEMIC, chemically induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MALE/ NEPHRITIS, etiology/ PREDNISONE, therapeutic use/ PROCAINE AMIDE, adverse effects/ PROGNOSIS/ REVIEW/ SKIN, pathology

4415. Rheumatic fever. JAMA 224:Suppl 5:736-9, 30 Apr 73
ARTHRITIS, diagnosis/ HUMAN/ PENICILLIN G, BENZATHINE, therapeutic use/ PENICILLIN G, PROCAINE, therapeutic use/

PREDNISONE, therapeutic use/ RECURRENCE/ *RHEUMATIC FEVER, diagnosis/ RHEUMATIC FEVER, drug therapy/ RHEUMATIC FEVER, occurrence/ RHEUMATIC FEVER, pathology/ RHEUMATIC HEART DISEASE, diagnosis/ RHEUMATIC NODULE, diagnosis/ SALICYLATES, therapeutic use/ SERUM SICKNESS, diagnosis/ STREPTOCOCCUS, isolation & purification

4416. Structural formulae of drugs commonly used in the treatment of rheumatic disease.
JAMA 224:Suppl 5:804-5, 30 Apr 73
ALKYLATING AGENTS/ *ANALGESICS AND ANTIPYRETICS/ *ANTI-INFLAMMATORY AGENTS/ *ANTINEOPLASTIC AGENTS/ CHEMISTRY/ CHLOROQUINE/ *GLUCOCORTICOIDS/ GOLD/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS/ PENICILLAMINE/ *RHEUMATISM, drug therapy/ URICOSURIC AGENTS

4417. Acromegaly. JAMA 224:Suppl 5:772-3, 30 Apr 73
*ACROMEGALY, diagnosis/ FINGER JOINT/ HUMAN/ *JOINT DISEASES, diagnosis/ KNEE JOINT/ OSTEOARTHRITIS, diagnosis

4418. Clinical pathological conference. Hepatosplenomegaly, abdominal pain, anemia, and bone lesions.
JAMA 224:502-10, 23 Apr 73
ABDOMEN/ ADOLESCENCE/ ADULT/ ANEMIA, etiology/ BIOPSY/ BONE AND BONES, pathology/ BONE DISEASES, pathology/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FOLLOW-UP STUDIES/ GAUCHER'S DISEASE, diagnosis/ GAUCHER'S DISEASE, enzymology/ GAUCHER'S DISEASE, familial & genetic/ *GAUCHER'S DISEASE, pathology/ HEPATOMEGALY, pathology/ HUMAN/ JEWS/ LIVER, pathology/ PAIN, etiology/ RACIAL STOCKS/ SPLENECTOMY/ SPLENOMEGALY, pathology

Lancet

4419. Unusual anaemias of old age. Lancet 1:589-90, 17 Mar 73
AGE FACTORS/ AGED/ *ANEMIA, occurrence/ ANEMIA, HYPOCHROMIC, drug therapy/ ANEMIA, HYPOCHROMIC, etiology/ ANEMIA, HYPOCHROMIC, occurrence/ ANEMIA, SIDEROBLASTIC, drug therapy/ ANEMIA, SIDEROBLASTIC, occurrence/ ANEMIA, SIDEROBLASTIC, therapy/ BLOOD TRANSFUSION/ FEMALE/ HEMOGLOBINOMETRY/ HUMAN/ IRON, metabolism/ MALE/ PREDNISOLONE, therapeutic use/ PYRIDOXAL PHOSPHATE, therapeutic use/ PYRIDOXINE, therapeutic use/ SCOTLAND

4420. Kinins and blood-pressure. Lancet 1:585-6, 17 Mar 73
ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ DUMPING SYNDROME, physiopathology/ HOMEOSTASIS/ HUMAN/ HYPERTONIC SOLUTIONS/ HYPOTENSION, ORTHOSTATIC, physiopathology/ INTESTINAL ABSORPTION/ KALLIKREIN, blood/ KALLIKREIN, physiology/ KALLIKREIN, urine/ KININS, blood/ *KININS, physiology/ POSTURE/ RENIN, physiology/ SYNCOPE, physiopathology

4421. Progress in pre-eclampsia. Lancet 1:754-5, 7 Apr 73
ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ ANGIOTENSIN, blood/ *ANGIOTENSIN, secretion/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ PREGNANCY/ PREGNANCY TOXEMIAS, blood/ *PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, physiopathology/ RENIN, blood/ *RENIN, secretion

4422. Treatment of Paget's disease of bone.
Lancet 1:1043-4, 12 May 73
ANIMAL EXPERIMENTS/ BONE RESORPTION, drug effects/ DACTINOMYCIN, therapeutic use/ GLUCAGON, therapeutic use/ HUMAN/ MITHRAMYCIN, therapeutic use/ OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, etiology/ *OSTEITIS DEFORMANS, therapy/ OSTEOPOROSIS, chemically induced/ RATS/ SODIUM ETIDRONATE, pharmacodynamics/ SODIUM ETIDRONATE, therapeutic use/ THYROCALCITONIN, adverse effects/ THYROCALCITONIN, therapeutic use

4423. The need for vitamin-D supplements.
Lancet 1:1097-8, 19 May 73
ADULT/ AGE FACTORS/ AGED/ CHILD/ CHOLECALCIFEROL, biosynthesis/ GREAT BRITAIN/ HUMAN/ OSTEOMALACIA, etiology/ OSTEOMALACIA, occurrence/ OSTEOPOROSIS, occurrence/ RICKETS, etiology/ RICKETS, occurrence/ SEX FACTORS/ ULTRAVIOLET RAYS/ *VITAMIN D, therapeutic use/ VITAMIN D DEFICIENCY, complications/ *VITAMIN D DEFICIENCY, prevention & control

4424. The empty sella. Lancet 809:925-6, 28 Apr 73
AUTOPSY/ CEREBROSPINAL RHINORRHEA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, diagnosis/ FEMALE/ HEADACHE, etiology/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA, pathology/ SELLA TURCICA, radiography/ SEX FACTORS/ SYNDROME

4425. Respiratory-distress syndrome.
Lancet 1:1060-1, 12 May 73
CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ RESPIRATORY DISTRESS SYNDROME, chemically induced/ *RESPIRATORY DISTRESS SYNDROME, etiology

4426. Hazards of potent topical corticosteroids.
Lancet 808:870-1, 21 Apr 73
ATROPHY, chemically induced/ *DERMATITIS MEDICAMENTOSA/ FLUORINE/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ HUMAN/ *SKIN, drug effects/ TELANGIECTASIS, chemically induced

4427. Prostaglandins, aspirin, and analgesia.
Lancet 1:979, 5 May 73
*ANALGESIA/ *ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ DEPRESSION, CHEMICAL/ HUMAN/ *INFLAMMATION/ *PROSTAGLANDINS, biosynthesis

4428. Oral contraceptives and cerebrovascular disease.
Lancet 1:981, 5 May 73
*CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ PREGNANCY/ PULMONARY EMBOLISM, chemically induced/ THROMBOPHLEBITIS, chemically induced

Med J Aust

4429. Corticosteroid therapy and side effects involving the skin. Med J Aust 2:1220, 25 Nov 72
*ADRENAL CORTEX HORMONES, adverse effects/ FACIAL DERMATOSES, chemically induced/ HUMAN/ PSORIASIS, chemically induced/ ROSACEA, chemically induced/ *SKIN DISEASES, chemically induced

4430. Health information in the mass media: the case of chorionic gonadotropin and obesity.
Med J Aust 1:321-2, 17 Feb 73
DIET, REDUCING/ *GONADOTROPINS, CHORIONIC, therapeutic use/ *HEALTH EDUCATION/ HUMAN/ *OBESITY, drug therapy/ OBESITY, therapy/ PERIODICALS

4431. Cholestatic jaundice of pregnancy.
Med J Aust 1:151-2, 27 Jan 73
*CHOLESTASIS/ CHOLESTASIS, drug therapy/ CHOLESTASIS, etiology/ CHOLESTYRAMINE,

therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FETAL DEATH/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS

4432. Generalized pustular psoriasis.
Med J Aust 1:571-2, 24 Mar 73
ADRENAL CORTEX HORMONES, adverse effects/ HUMAN/ HYDROXYUREA, therapeutic use/ METHOTREXATE, therapeutic use/ PSORIASIS, chemically induced/ PSORIASIS, classification/ *PSORIASIS, drug therapy

Med Lett Drugs Ther

4433. Estrogens and the menopausal patient.
Med Lett Drugs Ther 15:6-8, 19 Jan 73
AFFECTIVE DISTURBANCES, drug therapy/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ FEMALE/ HUMAN/ LIBIDO, drug effects/ *MENOPAUSE/ OSTEOPOROSIS, drug therapy/ VAGINITIS, drug therapy

4434. Propranolol--new uses.
Med Lett Drugs Ther 15:49-51, 8 Jun 73
ANGINA PECTORIS, drug therapy/ AORTIC VALVE STENOSIS, drug therapy/ ARRHYTHMIA, drug therapy/ *HEART DISEASES, drug therapy/ HUMAN/ *HYPERPARATHYROIDISM, drug therapy/ HYPERTENSION, drug therapy/ PROPRANOLOL, adverse effects/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use

4435. Megestrol acetate (Megace) and other progestins in advanced endometrial carcinoma.
Med Lett Drugs Ther 15:27-8, 16 Mar 73
*ADENOCARCINOMA, drug therapy/ *ENDOMETRIOSIS, drug therapy/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONE, therapeutic use/ *MEDROXYPROGESTERONE, therapeutic use/ MEGESTROL, administration & dosage/ *MEGESTROL, therapeutic use

4436. Adverse systemic effects from topical eye drugs.
Med Lett Drugs Ther 15:23-4, 2 Mar 73
ANTIBIOTICS, adverse effects/ ATROPINE, adverse effects/ CHOLINESTERASE INHIBITORS, adverse effects/ CORTICOSTERONE/ CUSHING'S SYNDROME, chemically induced/ *OPHTHALMIC SOLUTIONS, adverse effects/ PARASYMPATHOLYTICS, adverse effects/ PARASYMPATHOMIMETICS, adverse effects/ SCOPOLAMINE, adverse effects/ TROPANES, adverse effects

4437. The choice of therapy in the treatment of malignancy.
Med Lett Drugs Ther 15:9-16, 2 Feb 73
ADENOCARCINOMA, drug therapy/ ADULT/ ALKALOIDS, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, therapeutic use/ ANTIMETABOLITES, therapeutic use/ BURKITT'S LYMPHOMA, drug therapy/ CARCINOMA, classification/ CHILD/ HEMATOLOGIC DISEASES, classification/ HORMONES, therapeutic use/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ NEOPLASMS, classification/ NEOPLASMS, diagnosis/ NEOPLASMS, drug therapy/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ *NEOPLASMS, therapy/ NEPHROBLASTOMA, drug therapy/ SARCOMA, drug therapy

Mod Vet Pract

4438. Spay clinics: the other side of the story.
Mod Vet Pract 54:29-34, Apr 73
ANIMAL EXPERIMENTS/ CALIFORNIA/ *CASTRATION/ *CATS/ *DOGS/ FEMALE/ MALE/ POPULATION CONTROL/ SOCIETIES/ STERILIZATION, SEXUAL/ VETERINARY MEDICINE

N Engl J Med

4439. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 18-1973.
N Engl J Med 288:957-63, 3 May 73
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, pathology/ ADRENAL MEDULLA, pathology/ AGED/ *ANEUPLOIDY/ AUTOPSY/ BONE MARROW CELLS, cytology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFARCTION, pathology/ LEUKEMIA, MYELOCYTIC, complications/ LEUKEMIA, MYELOCYTIC, diagnosis/ LEUKEMIA, MYELOCYTIC, familial & genetic/ *LEUKEMIA, MYELOCYTIC, pathology/ LEUKOCYTE COUNT/ LEUKOCYTES/ PULMONARY EMBOLISM, pathology/ THROMBOSIS, etiology/ *THROMBOSIS, pathology

4440. Oral contraception and increased risk of cerebral ischemia or thrombosis. Collaborative group for the study of stroke in young women.
N Engl J Med 288:871-8, 26 Apr 73
ADOLESCENCE/ ADULT/ *CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CEREBRAL EMBOLISM AND THROMBOSIS, occurrence/ CEREBRAL HEMORRHAGE, chemically induced/ CEREBRAL HEMORRHAGE, occurrence/ CEREBRAL ISCHEMIA, TRANSIENT, chemically induced/ CEREBROVASCULAR DISORDERS, chemically induced/ *CEREBROVASCULAR DISORDERS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ EPIDEMIOLOGIC METHODS/ FEMALE/ HUMAN/ ISCHEMIA/ RETROSPECTIVE STUDIES/ SMOKING, complications/ UNITED STATES

4441. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises.
N Engl J Med 288:1115-21, 24 May 73
ABDOMINAL NEOPLASMS, complications/ ABDOMINAL NEOPLASMS, drug therapy/ *ABDOMINAL NEOPLASMS, pathology/ AGED/ ASPERGILLOSIS, complications/ *ASPERGILLOSIS, pathology/ BRONCHOPNEUMONIA, complications/ *BRONCHOPNEUMONIA, pathology/ CASE REPORT/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUNG ABSCESS, complications/ *LUNG ABSCESS, pathology/ *LUNG DISEASES, FUNGAL, pathology/ MALE/ NOCARDIA INFECTIONS, complications/ *NOCARDIA INFECTIONS, pathology/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, drug therapy/ *SARCOMA, RETICULUM CELL, pathology

4442. Amyloid in endocrine tumors.
N Engl J Med 288:1024-5, 10 May 73
*AMYLOID, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ ISLET CELL TUMOR, metabolism/ *ISLET CELL TUMOR, pathology/ PANCREATIC NEOPLASMS, metabolism/ *PANCREATIC NEOPLASMS, pathology/ THYROID NEOPLASMS, metabolism/ *THYROID NEOPLASMS, pathology

Nutr Rev

4443. Calcium transport and mobilization mediated by 1,25-dihydroxycholecalciferol.
Nutr Rev 31:58-9, Feb 73
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ *CALCIUM, metabolism/ CHICKENS/ *CHOLECALCIFEROL, metabolism/ MALE/ RATS

4444. Oral contracetpives and vitamin B 6 .
Nutr Rev 31:49-50, Feb 73
AMINOTRANSFERASES, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ PREGNANCY/ *PYRIDOXINE,

metabolism/ PYRIDOXINE DEFICIENCY/ TRYPTOPHAN, metabolism

4445. Thyroid hormones and fetal growth.
Nutr Rev 31:67-9, Feb 73
ANIMAL EXPERIMENTS/ *BONE DEVELOPMENT/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ *HAIR, growth & development/ PREGNANCY/ SHEEP/ *THYROID HORMONES/ THYROIDECTOMY, adverse effects/ THYROIDECTOMY, veterinary/ THYROXINE, blood

4446. Menkes's kinky hair syndrome.
Nutr Rev 31:17, Jan 73 (7 ref.)
*BRAIN DISEASES, familial & genetic/ BRAIN DISEASES, metabolism/ CERULOPLASMIN, metabolism/ COPPER/ COPPER, blood/ DEFICIENCY DISEASES/ GENES, RECESSIVE/ *GROWTH DISORDERS/ HAIR/ HUMAN/ MALE/ MENTAL RETARDATION/ REVIEW/ SEX CHROMOSOMES

4447. Beta cells and glucose in diabetes.
Nutr Rev 31:8-10, Jan 73 (9 ref.)
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ *DIABETES MELLITUS/ DIABETES MELLITUS, etiology/ DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, physiopathology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCOSE/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN, secretion/ *ISLANDS OF LANGERHANS/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, physiopathology/ ISLANDS OF LANGERHANS, secretion/ PREDIABETIC STATE/ REVIEW/ SORBITOL, metabolism

4448. Tissue biosynthesis of prostaglandins.
Nutr Rev 31:24-5, Jan 73 (9 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIRDS/ BLADDER, metabolism/ CATTLE/ FISHES/ FROGS/ GILLS, metabolism/ GUINEA PIGS/ HAMSTERS/ INVERTEBRATES/ KIDNEY, metabolism/ LINOLEIC ACID, metabolism/ LINOLENIC ACID, metabolism/ LOBSTERS/ LUNG, metabolism/ MULTIENZYME COMPLEXES, metabolism/ MUSSELS/ OXYGENASES, metabolism/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ REVIEW/ SHEEP/ SWINE

4449. Feeding the baby of low birth weight.
Nutr Rev 31:14-5, Jan 73 (9 ref.)
ANIMAL EXPERIMENTS/ ASPIRATION/ BIRTH WEIGHT/ BODY WEIGHT/ CATTLE/ GASTROINTESTINAL SYSTEM/ HUMAN/ INFANT FOOD/ INFANT, NEWBORN/ *INFANT, PREMATURE/ INTUBATION, GASTROINTESTINAL/ LACTATION/ MILK/ MILK, HUMAN/ PREGNANCY/ REVIEW/ TUBE FEEDING/ TUBE FEEDING, adverse effects

NZ Med J

4450. An anticancer drug: tamoxifen. NZ Med J 77:106, Feb 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ DIMETHYLAMINES, therapeutic use/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *PHENOLS, therapeutic use/ *STILBENES, therapeutic use

Prostaglandins

4451. The collection and handling of biological samples for prostaglandin analysis.
Prostaglandins 1:279-80, Apr 72
BLOOD SPECIMEN COLLECTION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ PROSTAGLANDINS, blood/ SPECIAL LIST REPRODUCTION

Radiat Data Rep

4452. Strontium-90 in human bone, October-December 1971.
Radiat Data Rep 14:47-9, Jan 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AUTOPSY/ *BONE AND BONES, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *RADIATION MONITORING/ *STRONTIUM ISOTOPES

Rev Clin Esp

4453. Tumores productores de renina.
Rev Clin Esp 128:357-8, 28 Feb 73 (Spa)
HUMAN/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, physiopathology/ HYPERTENSION, RENAL, etiology/ *KIDNEY, physiopathology/ *KIDNEY NEOPLASMS, physiopathology/ *NEPHROBLASTOMA, physiopathology/ *RENIN, secretion

S Afr Med J

4454. Pituitêre dwergies. S Afr Med J 47:464, 17 Mar 73 (Afr)
CADAVER/ *DWARFISM, PITUITARY, drug therapy/ HUMAN/ SOMATOTROPIN, supply & distribution/ SOMATOTROPIN, therapeutic use

Tidsskr Nor Laegeforen

4455. Osteoporosebehandling. Fluor, kalsium og vitamin.
Tidsskr Nor Laegeforen 93:181-2, 30 Jan 73 (Nor)
ADMINISTRATION, ORAL/ FLUORINE, administration & dosage/ *FLUORINE, therapeutic use/ HUMAN/ *OSTEOPOROSIS, drug therapy/ POTASSIUM, administration & dosage/ *POTASSIUM, therapeutic use/ VITAMIN D, administration & dosage/ *VITAMIN D, therapeutic use

WHO Tech Rep Ser

4456. Agents stimulating gonadal function in the human. Report of a WHO scientific group.
WHO Tech Rep Ser 514:1-30, 1973
CLOMIPHENE, therapeutic use/ CYCLOFENIL, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ GONADOTROPINS, therapeutic use/ HUMAN/ MALE/ PITUITARY HORMONE RELEASING FACTORS, therapeutic use/ PROGESTATIONAL HORMONES, therapeutic use/ PROGESTERONE, therapeutic use/ *STERILITY, drug therapy/ STERILITY, FEMALE, drug therapy/ STERILITY, MALE, drug therapy

SUBJECT INDEX

A

ABDOMEN: 24, 479, 1531, 1573, 1951, 1998, 2916, 3418, 4418
ABDOMEN, ACUTE: 3173
ABDOMINAL NEOPLASMS: 1044, 2728, 4441
ABDOMINAL WALL: 1062, 1951, 2813, 3342
ABNORMALITIES: 1025, 1603, 3014, 3123, 3243, 3309, 4318
ABNORMALITIES, DRUG-INDUCED: 79, 443, 827, 1142, 1188, 1824, 1945, 2279, 2444, 2815, 3408, 3411, 3522, 3532, 4249, 4351
ABNORMALITIES, MULTIPLE: 511, 797, 911, 1017, 1377, 1412, 1465, 1571, 1613, 1933, 2037, 2093, 2252, 2381, 2476, 2521, 2613, 2664, 2791, 3024, 3040, 3166, 3261, 3388, 3430, 3459, 3592-3593, 3606, 3875, 4123, 4145
ABO FACTORS: 212, 1723, 3146, 3210, 3304, 3799, 3871
ABORTION: 48, 80, 212, 437, 443-444, 560, 814, 1193, 1413, 2102, 3003, 3014, 3079, 3185, 3245, 3326, 3768
ABORTION, CRIMINAL: 1909
ABORTION, HABITUAL: 1905, 2069-2070
ABORTION, INDUCED: 72, 248, 472, 475, 524, 553, 790-791, 811-814, 899, 1143, 1237-1238, 2065, 2154, 2205, 2248, 2898, 2936, 3028, 3079, 3202, 3395, 3514, 3542, 3618, 3641, 3904, 4131, 4150, 4206, 4283
ABORTION, LEGAL: 1011, 1909
ABORTION, MISSED: 3585
ABORTION, SEPTIC: 2885, 3588, 4023
ABORTION, THERAPEUTIC: 251, 482, 478, 1976, 2214, 2590, 3022, 3031, 4277
ABORTION, THREATENED: 1417, 1602, 2070, 3934, 4228
ABORTION, VETERINARY: 1226, 1505, 2813-2814
ABRUPTIO PLACENTAE: 2819
ABSCESS: 981, 1835, 2233, 2980, 3009, 3025
ABSORPTION: 499, 687, 1289, 1582, 1789, 1819, 3343, 3801, 4214
ACADEMIES AND INSTITUTES: 4007
ACANTHOSIS NIGRICANS: 1145
ACCIDENTS, TRAFFIC: 1456, 2556
ACCLIMATIZATION: 1003, 2190, 2726, 2962
ACENOCOUMAROL: 3797
ACETABULUM: 2372, 2597
ACETAMIDES: 849, 2224, 2273, 2355, 3060, 3098, 3227
ACETAMINOPHEN: 624, 1105
ACETANILIDE: 101, 2715
ACETATES: 93, 165, 397, 594, 618, 1148, 1282, 1588, 1605, 2811, 3210, 3372, 3552, 3769, 3872, 4089, 4092-4093, 4141, 4207
ACETAZOLAMIDE: 236, 628, 2194, 3469, 4245
ACETIC ACIDS: 711, 628, 677, 2293, 2394, 3209, 3304, 3350, 3684, 3706, 3753, 3838, 3859, 3913, 3983, 4151, 4160
ACETOACETATES: 1213, 1585
ACETOHEXAMIDE: 2683
ACETONE: 2227, 3048, 3458, 3730, 4382
ACETYLATION: 681, 894, 961, 1501, 1565, 2617, 2680, 3080, 3552, 4089, 4152
ACETYLCHOLINE: 315, 568, 660, 782, 873, 1108, 1169, 1230-1232, 1277, 1319, 1321, 1364, 1411, 1620-1621, 1646, 1791, 1657, 2140, 2152, 2284, 2513, 2829, 2939, 3108, 3329, 3342, 3553, 3826, 3835, 4043, 4119, 4196, 4259, 4303
ACETYLCHOLINESTERASE: 1325, 1635, 1735, 1917, 2561, 2808, 3090, 3535
ACETYLCYSTEINE: 1031
ACETYLENE: 1256
ACETYLESTERASE: 2140
ACETYLTRANSFERASES: 693, 884, 961, 2140, 2400, 3090, 3535, 4198
ACHIEVEMENT: 3145, 4374
ACHILLES TENDON: 1687, 2416, 2672, 4118, 4329
ACHONDROPLASIA: 1521, 4295
ACID-BASE EQUILIBRIUM: 55, 158, 859, 1382, 1589, 2635, 2985, 3054
ACID PHOSPHATASE: 129, 327, 365, 440, 493, 1424, 1480, 1786, 1621, 2132, 2424, 2453, 2477, 2718, 2801-2802, 2851, 3451-3452, 3888, 3757, 3811, 4018, 4046
ACIDOSIS: 652, 703, 891, 2047, 2124, 2381, 3072, 3293, 3730
ACIDOSIS, DIABETIC: 1084, 1388, 1838, 2027, 4104
ACIDOSIS, RENAL TUBULAR: 3054
ACIDOSIS, RESPIRATORY: 946, 3987
ACIDS: 668, 873, 2105
ACNE: 834, 1208, 1504, 2289, 2783, 2847, 3817
ACOUSTIC STIMULATION: 267-268, 409, 735, 1553
ACRIDINES: 635, 1853, 3829
ACRODYNIA: 3997
ACROMEGALY: 61, 586, 691, 909, 1605, 1758, 1913, 2264, 2309, 2551, 2786, 2833, 3349, 3435, 3793, 4011, 4088, 4380, 4417
ACRYLAMIDES: 3213, 3365
ACRYLIC RESINS: 230
ACTIN: 1007, 3769
ACTINOMYCIN: 343, 668, 1125, 3548, 3643, 4031
ACTINOMYCOSIS: 1623
ACTINOSPECTACIN: 4356
ACTION POTENTIALS: 315, 470, 486, 827, 781, 912, 983, 1007, 1035, 1233, 1386, 1525, 1687, 1696, 1763, 1948, 2007, 2692, 2803, 2865, 3108, 3402, 3735, 3769, 4043, 4308
ACTIVATION ANALYSIS: 446, 612
ACUPUNCTURE: 4390
ACUTE DISEASE: 132, 882, 1614, 1692, 1729, 1793, 1846, 1875, 1920, 1974-1975, 2027, 2083, 2190, 2373, 2663, 2765, 2786, 2899, 3038, 3102, 3279, 3311, 3377, 3506, 3521, 3670, 4003, 4111, 4128, 4199, 4269
ACYLATION: 1249, 3413
ACYLTRANSFERASES: 2674, 2874, 3711
ADAMS-STOKES SYNDROME: 2827
ADAPTATION, BIOLOGICAL: 187, 1871, 4154
ADAPTATION, PHYSIOLOGICAL: 15, 873, 1122, 1342, 1568, 1975, 2427, 2610, 3547, 4217
ADDISON'S DISEASE: 45, 199, 788, 948, 1870, 2899, 3474, 3825, 3974, 3990, 4004
ADENINE: 39, 224, 245, 800, 2006, 2206-2207, 2499, 2696, 3141, 3564, 4055, 4089, 4279
ADENINE NUCLEOTIDES: 253, 393, 1440, 1995, 3660, 4002
ADENOCARCINOMA: 43, 120, 204, 265, 425, 453, 492, 636, 779, 601, 927, 1417, 1470, 1657, 2022, 2061, 2159, 2206, 2222, 2354, 2539, 2615, 2641, 2719, 2802, 2810, 3009, 3039, 3128, 3382, 3491, 3671, 3819, 3877, 4112, 4168, 4231, 4253, 4264, 4396, 4435, 4437
ADENOCARCINOMA, PAPILLARY: 3491, 4000
ADENOFIBROMA: 1398, 2609, 3069, 3092
ADENOMA: 21, 61, 239, 282, 318, 323, 341, 353, 366, 404, 426, 492, 569, 634, 860, 977, 1116, 1155, 1196, 1234, 1274, 1421, 1431, 1433, 1594, 1657, 1737, 1646, 1936-1937, 2084, 2206-2207, 2375, 2413, 2654, 2708, 2718, 2751, 2766, 2830, 2848, 2981, 3039, 3069, 3156, 3279, 3286, 3349, 3360, 3606, 3780, 4081, 4373
ADENOMA, BASOPHILIC: 419, 759
ADENOMA, CHROMOPHOBE: 56, 271, 282, 376, 426, 527, 586, 759, 1075, 1373, 1913, 2060, 2084, 2353, 2468, 3221, 3316, 3956, 4022, 4397
ADENOMA, EOSINOPHILIC: 759, 3221
ADENOMA, VIRILIZING: 1145
ADENOMATOSIS, FAMILIAL ENDOCRINE: 2468, 2511
ADENOSINE: 1669, 3297, 3564, 3908, 3912, 4055
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE: 5, 27, 50, 58, 77, 62, 85, 159, 223-224, 229, 238, 253, 265, 343, 346, 351, 367, 450, 458, 541, 595, 694, 700, 716, 770, 793, 826, 850, 663, 883-885, 928, 938, 947, 950-951, 961, 971, 1022, 1039, 1047, 1076, 1108, 1131, 1137, 1169, 1174, 1213, 1219, 1233, 1285, 1304, 1306, 1319, 1355, 1408, 1435, 1450, 1487, 1506, 1516, 1531, 1548, 1570, 1588, 1646, 1656, 1669-1670, 1674-1675, 1716, 1716, 1766, 1829, 1831, 1666, 1906-1907, 1946-1947, 1985, 2003, 2009, 2106, 2152-2153, 2158, 2164-2165, 2204, 2206-2207, 2241, 2280, 2293, 2305, 2307-2308, 2310, 2420, 2425, 2435, 2499, 2502, 2562, 2567, 2573, 2608, 2627, 2657-2658, 2698, 2715, 2721, 2737, 2759, 2767, 2820, 2824, 2842-2843, 2845, 2857, 2894, 2909-2910, 2934, 2937-2939, 2961, 2965, 2977, 2982, 2998, 3000, 3020-3021, 3086, 3089-3090, 3098, 3106, 3141, 3200, 3209, 3213-3214, 3256, 3296-3297, 3378-3379, 3386, 3393-3394, 3450, 3458, 3472, 3499, 3503, 3523, 3535, 3538, 3544, 3564, 3566, 3582, 3591, 3598, 3637, 3660, 3663, 3729, 3890, 3908, 3912, 3923, 3927, 3958, 3961, 3964, 3973, 3988, 3996, 4027, 4055, 4135, 4177, 4182, 4165, 4219, 4221-4222, 4225, 4237, 4276-4280, 4284, 4287-4288, 4301, 4303, 4320-4321, 4354
ADENOSINE DIPHOSPHATE: 152, 253, 320, 1283, 2504, 2606, 2823, 3241, 3566, 3642, 4002, 4140, 4191, 4259
ADENOSINE MONOPHOSPHATE: 253, 1043, 1319, 1697, 1831, 2425, 2823, 3296-3297, 4002, 4140, 4287, 4395
ADENOSINE TRIPHOSPHATASE: 221, 224, 1341, 1753, 1847, 1902, 1925, 2109, 2146, 2399, 2453, 2484, 2558, 2606, 2751, 2858, 2885, 2891, 3241, 3283, 3769, 3792, 3843, 3872, 4106
ADENOSINE TRIPHOSPHATE: 131, 221, 224, 245, 311, 329, 473, 704, 715, 718, 1007, 1047, 1057, 1064, 1131, 1144, 1243, 1472, 1518, 1821, 1665, 1896, 1766, 2499, 2504, 2558, 2606, 2614, 2874, 2711, 2721, 2749, 2768, 3088, 3241, 3283, 3386, 3450, 3564, 3582, 3828, 3710, 3789, 3792, 3872, 4015, 4140, 4259, 4284, 4395
S-ADENOSYLMETHIONINE: 892, 2325
ADENOVIRUS: 324, 3702, 4311, 4354
ADENYL CYCLASE: 5, 223, 894, 700, 885, 928, 1046, 1078, 1131, 1185, 1174, 1238, 1355, 1588, 1874, 1763, 1831, 1985, 2152, 2157, 2206-2207, 2241-2243, 2385, 2420, 2573, 2715, 2759, 2768, 2894, 2908, 2934, 3308, 3394, 3472, 3564, 3660, 3702, 3815, 3888, 3912, 3924, 4018, 4035, 4119, 4151, 4275-4276, 4284, 4303, 4320, 4447
ADHESIONS: 939, 1241, 1439, 2727, 2793, 2948
ADIPOSE TISSUE: 58, 185, 253, 337, 352, 354, 363, 431, 595, 632, 680, 727, 734, 770, 818, 685, 973, 1000, 1078, 1103, 1128, 1131, 1434, 1450, 1472, 1487, 1670, 1906, 2064, 2153, 2275, 2475, 2497, 2504, 2554, 2567, 2707, 2715, 2779, 2911, 3256, 3338, 3416, 3450, 3503, 3569, 3582, 3663, 3883, 3888, 4140, 4304, 4366, 4395
ADMINISTRATION, INTRANASAL: 108
ADMINISTRATION, ORAL: 38, 57, 73, 189, 219, 323, 350, 389, 601, 732, 741, 657, 1054, 1090, 1160, 1294-1295, 1308, 1366, 1427, 1446, 1572, 1751, 1689, 2049, 2244, 2386, 2432, 2709, 2781, 2772, 2835, 2847, 2991, 3054, 3088, 3149, 3160, 3233, 3258, 3292, 3332, 3408, 3411, 3414, 3856, 3969, 4017, 4033, 4058, 4215, 4243, 4257, 4455
ADNEXAL DISEASES: 1583, 1623
ADNEXITIS: 396, 2233
ADOLESCENCE: 1, 32, 44, 63, 70, 75, 62, 91, 103-104, 107-108, 114, 116-116, 128, 132-133, 136, 140, 145, 150, 156, 161, 166, 205, 213, 232, 257, 262-263, 266, 275, 282, 287, 296, 302, 309, 338, 345, 366, 371, 380, 398, 401, 403, 407, 410, 425, 435, 439, 442, 459, 482, 475, 490, 498, 520, 527, 533, 548, 551-552, 557, 560, 585, 568, 586-587, 589, 592, 599, 602, 607, 609, 619, 628, 636, 639, 653, 663, 672, 674, 677, 685, 891, 734, 747-748, 761-762, 773, 790, 794, 605-806, 611, 633, 656, 681, 686, 929, 933, 935, 939, 948, 960, 974, 1004, 1015-1016, 1028, 1044, 1049-1050, 1084, 1086-1087, 1111, 1124, 1138, 1159-1160, 1173, 1190, 1195, 1205, 1254, 1264, 1270, 1302, 1318, 1320, 1323, 1328-1329, 1334, 1347, 1353, 1379, 1385, 1390, 1398, 1413, 1417, 1426, 1445, 1447, 1449, 1451, 1453-1454, 1459, 1461, 1464, 1466, 1470, 1490, 1495, 1497, 1507, 1519, 1532, 1547, 1561, 1571, 1574, 1588, 1604, 1651, 1657, 1688, 1694, 1713, 1723, 1728, 1737, 1748, 1752, 1758, 1758, 1770, 1790, 1798, 1617, 1827, 1641, 1843, 1669, 1675, 1885, 1931, 1955, 1966, 1971, 2001, 2011, 2032-2033, 2042, 2065, 2067, 2083, 2092, 2112, 2122, 2149, 2163, 2216, 2247, 2268, 2289, 2296, 2310, 2322, 2325, 2336, 2343-2344, 2352, 2361, 2368, 2390, 2393, 2408, 2443, 2451, 2472, 2475, 2476, 2503, 2509-2510, 2522, 2542, 2566, 2568, 2588-2590, 2593, 2602, 2617, 2625, 2637, 2647, 2655, 2664, 2671, 2689, 2709-2710, 2766, 2789, 2775, 2776, 2791, 2798, 2806, 2809-2810, 2825, 2850, 2876, 2886, 2896, 2896, 2901, 2905, 2914, 2917, 2925-2926, 2951, 2966, 2981, 2984, 2989, 3019, 3031, 3049, 3054, 3070, 3073, 3091, 3094, 3107, 3110, 3112, 3114, 3179-3180, 3211, 3220, 3233, 3288, 3274, 3276, 3285, 3287, 3292, 3309, 3315-3316, 3323, 3328, 3330, 3336, 3361, 3368, 3374, 3376, 3387, 3390, 3406, 3410, 3423, 3457, 3466, 3469, 3473, 3482, 3488, 3510, 3520, 3529, 3557, 3561, 3572, 3580, 3592-3593, 3599, 3616, 3622, 3627, 3687, 3708, 3712, 3714-3715, 3717, 3743, 3756, 3763, 3765, 3777-3776, 3784, 3808 3833, 3843, 3848, 3865, 3876, 3889, 3899, 3911, 3916, 3920, 3929, 3937, 3944, 3948, 3951, 3963, 3978-3979, 3985, 4014, 4019, 4034, 4042, 4052, 4061-4062, 4066, 4080, 4095, 4097-4098, 4102, 4111, 4116, 4116, 4136, 4158, 4171, 4173, 4178-4179, 4181, 4169, 4199, 4202, 4206, 4210, 4228, 4233,

4242, 4289, 4271, 4273, 4277, 4281, 4296, 4299, 4310, 4313, 4338, 4347, 4360, 4373, 4379, 4381, 4388, 4399, 4418, 4440, 4452
ADONIS: 352
ADRENAL CORTEX HORMONES: 6, 24, 46, 49, 55, 81, 149, 208, 310, 314, 381, 432, 435, 439, 499, 502, 546, 607, 621, 639, 693, 697, 754, 756, 788, 805, 827, 832, 859, 929, 1024, 1069, 1124, 1129, 1160, 1206, 1218, 1312, 1334, 1338, 1342, 1348, 1364, 1375, 1398, 1424, 1441, 1463, 1497, 1504, 1532, 1588, 1574, 1655, 1692, 1738, 1764, 1788, 1845, 1908, 1914, 1934, 1992, 2003, 2082, 2101, 2123, 2179, 2203, 2287, 2304, 2387, 2390, 2422, 2446, 2474, 2486, 2509, 2532, 2557, 2587, 2584, 2601, 2695, 2709, 2714, 2745, 2765, 2827, 2841, 2870, 2878, 2902, 2925, 2983, 3021, 3025, 3042, 3081, 3080, 3103, 3159, 3187, 3208, 3301, 3325, 3353, 3377, 3429, 3468, 3490, 3507, 3537-3538, 3588, 3804, 3640, 3648, 3662, 3668, 3723, 3733, 3790, 3844, 3951, 4003, 4067, 4084, 4108, 4156, 4203, 4220, 4262, 4267, 4288, 4299, 4342, 4358, 4375, 4378, 4429, 4432
ADRENAL CORTICAL REST TUMOR: 544, 2688
ADRENAL GLAND DISEASES: 145, 364, 788, 1091, 1120, 1155, 1412, 1528, 1737, 1933, 2112-2114, 2219, 2224, 2847, 2708, 2902, 2993, 3025, 3078, 3156, 3852, 3662, 3668, 3682, 3696, 3709, 3797, 3824, 4003, 4310, 4332
ADRENAL GLAND HYPERFUNCTION: 43, 222, 414, 713, 970, 3709
ADRENAL GLAND HYPOFUNCTION: 503, 620, 841, 705, 749, 788, 1850, 1888, 2386, 2618, 2685, 2882, 3316, 3939, 3990, 4003, 4121
ADRENAL GLAND NEOPLASMS: 222, 282, 404, 428, 479, 585, 609, 831, 834, 838, 1091, 1155, 1202, 1274, 1305, 1323, 1420, 1461, 1615, 1636, 1681, 1737, 1771, 1870, 1978, 2022, 2051, 2055, 2287, 2354, 2539, 2582, 2708, 2747, 2854, 2863, 2981, 3104, 3112, 3226, 3246, 3299, 3412, 3477, 3515, 3538, 3652, 3717, 3791, 3884, 3890, 4081, 4373
ADRENAL GLANDS: 6, 28, 41, 89, 95, 107, 125, 162, 217, 248, 272, 327, 351, 354, 363-365, 368, 431-432, 445, 452, 471, 503, 506, 510, 545, 582, 593, 818, 629-631, 647, 654, 660-661, 672, 690, 892, 702, 710, 724, 732, 749, 800, 820, 844-845, 849, 897, 905, 916, 940, 975, 992, 998, 1013, 1018, 1023, 1051, 1055, 1120, 1145, 1153, 1160, 1177, 1208, 1260, 1284, 1324, 1326, 1350, 1355, 1369, 1412, 1424, 1460, 1477, 1515, 1547, 1568, 1573, 1845, 1895, 1704, 1727, 1737, 1798, 1798, 1850-1851, 1855, 1864, 1878, 1898-1901, 1908, 1950, 1966, 1974, 1999, 2003, 2027-2028, 2035, 2037, 2054, 2085, 2099, 2109, 2135, 2185, 2224, 2247, 2258, 2274, 2297, 2302-2303, 2319, 2374, 2419, 2449, 2453, 2463, 2470, 2480, 2492, 2529-2530, 2532, 2563, 2569, 2572-2573, 2592, 2605, 2607, 2812, 2826, 2646, 2665, 2678-2679, 2683, 2698, 2705, 2707, 2717, 2745, 2747-2748, 2779, 2795, 2824, 2842-2843, 2848, 2850, 2854, 2863, 2874, 2893, 2927, 2946-2947, 2977, 2983, 3020-3021, 3037, 3055, 3057, 3132, 3142-3143, 3158, 3167, 3176-3177, 3181-3182, 3208, 3213, 3218, 3222, 3276, 3307, 3338, 3351, 3398, 3414, 3427, 3429, 3483, 3497, 3507-3508, 3536, 3538, 3560, 3563, 3568, 3607, 3819, 3639, 3657, 3682, 3666, 3668, 3872, 3675, 3882, 3696, 3705, 3709, 3721, 3761, 3771, 3796-3797, 3804, 3807, 3809, 3817, 3842, 3844, 3852, 3857, 3868, 3884, 3906, 3935, 3942, 3979, 4004, 4040, 4055, 4069, 4076-4078, 4081, 4092-4093, 4097, 4100, 4176, 4198, 4209, 4213, 4220, 4252, 4264, 4290, 4310, 4323, 4359, 4439
ADRENAL MEDULLA: 89, 161, 649, 1224, 1305, 1382, 1628, 1639, 1725, 1855, 2192, 2235, 2434, 2537, 2707, 2748, 2773, 3056, 3159, 3628, 3705, 3717, 3872, 3908, 4028, 4077, 4385, 4439
ADRENALECTOMY: 6, 44, 89, 125, 135, 282, 285, 354, 510, 577, 582, 649, 705, 724, 732, 798, 800, 844, 905, 947, 976, 1013, 1053, 1145, 1153, 1160, 1175, 1387, 1461, 1477, 1523, 1537, 1645, 1716, 1737, 1870, 1898, 1900, 1928, 1968, 1973, 2052, 2055, 2109, 2258, 2267, 2318, 2406, 2470, 2878-2879, 2707, 2779, 2946-2947, 3068, 3142, 3182, 3278, 3307, 3427, 3449, 3483, 3507-3508, 3563, 3819, 3639, 3705, 3771, 3798, 3804, 3807, 3837, 4087, 4339
ADRENERGIC ALPHA RECEPTOR AGONISTS: 480, 2152, 3393, 3591
ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 1078, 1783, 2243, 2333, 2603, 2910, 2960, 3393, 3705
ADRENERGIC BETA RECEPTOR AGONISTS: 1174, 1492, 1670, 2243, 2304, 3393
ADRENERGIC BETA RECEPTOR BLOCKADERS: 77, 101, 302, 1022, 1078, 1114, 11"4, 2157, 2241-2243, 2333, 2715, 2910, 3393, 3591, 3602, 3837, 4018, 4303
ADRENOCHROME: 2569, 3667
ADRENOGENITAL SYNDROME: 544, 1155, 1272, 2092, 2411, 2688, 3991, 4347
ADSORPTION: 37, 985, 1503, 1740, 2505, 2975, 3026, 3034, 3269
ADULT: 1, 3, 7, 9, 17, 21, 23-24, 32, 34, 42, 44, 46, 49, 60-61, 64, 70, 72, 75, 82-83, 87, 94, 103, 107, 111, 113-114, 116-118, 132-133, 136, 140, 145, 147, 150, 154-156, 158, 161, 163, 166, 168, 179, 186, 192, 212, 217, 232, 235, 239, 249, 251, 262-263, 266, 275, 279, 282, 284, 287, 296, 302, 309, 319, 333-334, 345, 362, 366, 369, 376, 379, 383, 385, 387, 391, 396-397, 399, 402, 404, 407, 410, 425, 432, 439, 442, 448, 451, 458-459, 462, 469, 474-475, 479-480, 482-483, 489-490, 492, 496, 498-500, 507, 517-518, 520, 523, 527, 533-534, 536, 544, 546, 548, 551-552, 560, 565, 568, 573, 581, 584, 586-567, 589, 592, 596, 599, 602-603, 606-608, 612, 621, 624, 628, 633-634, 636, 638, 643, 653, 663, 672, 677-678, 683, 685, 687, 691, 704, 709, 712, 719, 737, 741-742, 744, 746, 748-749, 761, 771-774, 776-777, 783, 787-788, 790, 794-796, 801, 805-806, 811-813, 847, 856, 860, 867, 909, 923, 933, 935, 937, 939, 948, 957, 960, 962, 974, 981, 988-989, 991, 994-996, 1004, 1015-1016, 1028, 1037, 1043, 1045, 1049, 1052, 1065, 1071, 1073, 1075, 1083, 1086-1087, 1089, 1111, 1114, 1123-1124, 1126, 1138, 1143, 1145, 1150, 1158-1161, 1172, 1178, 1194, 1196, 1200, 1208, 1212, 1215, 1220, 1222, 1225, 1227, 1253-1254, 1264, 1276, 1278, 1292, 1301, 1308-1309, 1315, 1318, 1320, 1322, 1328-1329, 1334, 1339, 1342-1344, 1346, 1348-1349, 1352-1353, 1357, 1362, 1376, 1379, 1388, 1394, 1401, 1409, 1413, 1420, 1426, 1429, 1433, 1447-1448, 1451, 1455-1456, 1458-1459, 1461, 1464-1466, 1470-1471, 1474, 1476, 1482, 1486, 1490-1491, 1495, 1507, 1514, 1519, 1528, 1533-1534, 1540, 1544-1545, 1547, 1569, 1574, 1579, 1594, 1598, 1604, 1606, 1613, 1623, 1629-1630, 1636, 1643-1644, 1651, 1657, 1659, 1688, 1691, 1694, 1709, 1713-1714, 1722-1723, 1728-1729, 1734, 1736-1737, 1740, 1744, 1755, 1758, 1772, 1781, 1785-1786, 1788, 1790, 1807, 1811, 1817, 1820, 1822, 1827-1828, 1835, 1839, 1843-1845, 1854, 1860, 1869, 1874-1875, 1885, 1890, 1905, 1912, 1918, 1920, 1930-1931, 1942
1943, 1957, 1962, 1966, 1968, 1971, 1974, 1987, 1991, 1994, 2000-2001, 2004, 2006, 2011-2013, 2019, 2022, 2032-2034, 2039-2040, 2042, 2045, 2053, 2058, 2060, 2065, 2067, 2071, 2078-2079, 2083-2084, 2089, 2091-2092, 2096, 2103, 2112, 2117, 2122, 2128-2129, 2131, 2159-2161, 2169, 2183, 2188, 2190, 2197, 2200, 2203, 2207, 2212, 2216-2217, 2219, 2225-2226, 2233, 2246-2248, 2251-2252, 2267-2268, 2272, 2285-2287, 2290, 2296, 2309-2310, 2312-2313, 2317, 2320, 2322, 2325, 2336, 2339, 2347, 2352, 2356-2357, 2361, 2368, 2383, 2386-2387, 2389-2390, 2397, 2408, 2411, 2414, 2421, 2432, 2436, 2442-2443, 2446, 2451-2452, 2454-2456, 2464, 2468, 2472, 2475, 2478, 2482, 2486-2487, 2495, 2503, 2511, 2517, 2522, 2525, 2527, 2539, 2542, 2551-2552, 2556, 2565-2566, 2574, 2584-2585, 2588, 2590, 2601-2602, 2609, 2615, 2623, 2625, 2632-2633, 2635, 2637-2638, 2641, 2643, 2645-2647, 2649, 2654, 2668, 2682-2683, 2693, 2710, 2723, 2733, 2742-2743, 2747, 2760, 2766-2767, 2769, 2778-2779, 2781, 2786, 2790, 2795, 2804, 2806, 2810, 2818, 2822-2823, 2827-2828, 2830, 2833-2835, 2841, 2850, 2854, 2862, 2868, 2879, 2885-2886, 2898, 2901, 2905-2906, 2914, 2917, 2956, 2964, 2971, 2981, 2988-2989, 2995, 3005, 3014, 3030, 3032, 3039, 3043, 3049, 3054, 3064, 3078, 3080, 3085, 3091-3092, 3094, 3107, 3110, 3112, 3114, 3122, 3169, 3190, 3196, 3199, 3220-3221, 3233, 3245, 3258, 3260-3263, 3265, 3267-3268, 3274, 3278-3279, 3281, 3285, 3299, 3309, 3313-3315, 3317, 3323-3324, 3330, 3337-3338, 3341, 3348, 3351, 3353, 3360-3362, 3368, 3370, 3374, 3376, 3381, 3387, 3391, 3395, 3400-3401, 3403-3404, 3406, 3410, 3412, 3417, 3421, 3425, 3432-3433, 3438, 3441, 3455, 3457, 3465-3467, 3469, 3474, 3484, 3486, 3490, 3492, 3506, 3509-3511, 3514, 3521, 3525, 3530, 3537, 3542, 3556, 3561, 3571-3572, 3580, 3585, 3592-3594, 3599-3600, 3602, 3613-3617, 3622, 3626, 3632, 3648, 3652, 3655, 3669, 3673-3674, 3676, 3687, 3701, 3704, 3708-3709, 3714, 3717, 3723, 3732-3734, 3743, 3759, 3762-3764, 3767
3776-3778, 3780, 3784, 3793, 3808, 3814, 3817, 3819, 3843, 3845, 3849, 3858, 3863, 3867, 3870, 3874, 3876, 3885, 3891, 3893, 3899, 3907, 3910, 3914-3915, 3918, 3920, 3928-3929, 3937-3939, 3944-3945, 3948, 3951, 3967-3969, 3971, 3974-3975, 3977-3979, 3986, 3997, 4003, 4005, 4019, 4028, 4031, 4034, 4036, 4041-4042, 4048, 4052, 4062-4063, 4073-4074, 4060, 4084, 4087, 4096, 4102, 4105, 4111, 4116, 4118, 4128-4129, 4132, 4136, 4144-4145, 4156-4159, 4166, 4168, 4171, 4176, 4179, 4181, 4189, 4199, 4202-4203, 4205-4206, 4210, 4228, 4231, 4242, 4245, 4262-4265, 4267-4268, 4270, 4277, 4281, 4299, 4306, 4313, 4322, 4327, 4330, 4335, 4344, 4348, 4355, 4366, 4368, 4370-4373, 4376, 4379, 4381-4382, 4386, 4399, 4418, 4423, 4437, 4440, 4452
AEDES: 245, 326, 1072, 3551
AEROBIOSIS: 1223, 1300
AEROSOLS: 22, 169, 418, 962, 1085, 1541, 1566, 1641, 2011, 2175, 2386, 2443, 3041, 3296, 3454, 3466-3467, 3479
AET: 2259
AFFECT: 1434, 2274
AFFECTIVE DISTURBANCES: 504, 1123, 1827, 3139, 4433
AFGHANISTAN: 3115
AFLATOXIN: 2410, 4236
AFRICA: 291, 508
AFRICA, EASTERN: 4169
AGAMMAGLOBULINEMIA: 75, 1254, 1584, 1768, 1856, 3644
AGAR: 2424, 2638
AGE DETERMINATION BY SKELETON: 587, 1211, 1454, 3005, 3291, 3438, 3920
AGE FACTORS: 2, 11, 34, 64, 75, 103, 123-124, 129-130, 132, 150, 165, 173, 262, 309, 337, 366, 371, 382, 405, 436, 439, 474, 511, 567, 576-577, 580, 596, 661, 688, 751, 830, 842, 940, 1030, 1063, 1112, 1134, 1138, 1170, 1195, 1229, 1268, 1287, 1289, 1302, 1318, 1392, 1406, 1434, 1458, 1491, 1544, 1568, 1579, 1604, 1612, 1736, 1744, 1770, 1773, 1786-1787, 1817, 1843, 1858, 1897, 1927, 1929, 1931, 1951, 1954, 2010, 2024, 2036, 2063, 2118, 2138, 2159, 2209, 2317, 2422, 2503, 2522, 2568, 2587-2589, 2592-2593, 2651, 2666, 2671, 2681, 2684, 2686, 2709-2710, 2718, 2792, 2798, 2806, 2870, 2896, 2905, 2941, 3005, 3014, 3030, 3034, 3042, 3059, 3067, 3092, 3100, 3104, 3139, 3143, 3174, 3211, 3221-3223, 3263, 3298, 3306, 3319, 3366, 3381, 3416, 3418, 3438, 3457, 3529, 3561, 3567, 3582, 3593, 3626, 3643, 3646, 3714, 3728, 3862, 3865, 3920, 3959, 3963, 3985, 4029, 4050, 4115, 4136, 4173, 4243, 4268-4271, 4281, 4345, 4347, 4379, 4383, 4419, 4423, 4452
AGED: 11, 21, 84, 117-118, 129, 133, 145, 163, 179, 204, 210, 235, 239, 263-264, 302, 307, 309, 319, 362, 383, 385, 396, 410, 419, 424, 439, 459, 474, 480, 491, 499, 503, 523, 527, 534, 547, 552, 560, 586, 592, 596, 603, 606, 617, 643, 672, 685, 712, 739, 754, 760, 773, 788, 801, 805, 830, 909, 922, 939, 943, 967, 989, 995, 1004, 1037, 1065, 1071, 1114, 1124, 1160, 1170, 1218, 1225, 1239, 1253, 1278, 1301, 1308, 1318, 1328-1329, 1334, 1346-1347, 1349, 1352, 1356-1357, 1379, 1409, 1433, 1447, 1455, 1458, 1463-1464, 1466, 1471, 1490-1491, 1534, 1541, 1544, 1577, 1579, 1584, 1593-1595, 1599, 1604, 1612, 1651, 1657, 1659, 1680, 1688, 1692, 1713, 1758-1759, 1778, 1783, 1786, 1790, 1801, 1844-1846, 1860, 1875, 1920, 1930, 1934, 1942-1943, 1962, 1987, 2011, 2022, 2025, 2058, 2071, 2079, 2083, 2108, 2112, 2117, 2119, 2122, 2126, 2129, 2159, 2161, 2163, 2169, 2184, 2203, 2216, 2267, 2322, 2325, 2336, 2346, 2356, 2361, 2383, 2386, 2389-2390, 2408, 2413, 2417-2418, 2443, 2446, 2451, 2469, 2471, 2478, 2503, 2551, 2565-2566, 2574, 2583, 2585, 2588, 2597, 2600, 2616, 2625, 2632, 2635, 2733, 2742, 2760, 2769, 2786, 2801-2802, 2806, 2810, 2818, 2821, 2827, 2854, 2887, 2956, 3006, 3016, 3042, 3045, 3049, 3054, 3064, 3094, 3100, 3104, 3116, 3221, 3262-3263, 3281, 3285, 3299, 3314, 3327, 3338, 3348, 3351, 3353, 3361, 3381, 3387, 3400-3401, 3406, 3410, 3417, 3421, 3438, 3442, 3457, 3462, 3466, 3480, 3485, 3489-3490, 3510, 3580, 3603, 3622, 3673, 3678, 3687, 3704, 3707, 3734, 3778, 3793, 3797, 3819, 3843, 3845, 3858, 3938, 3951, 3975, 3978-3979,

4000, 4005, 4011, 4019, 4022, 4036, 4041, 4062, 4084, 4102, 4156, 4171, 4176, 4179, 4197, 4205, 4211, 4231, 4242-4243, 4262, 4267, 4306, 4345, 4350, 4376, 4386, 4396, 4407, 4409, 4419, 4423, 4439, 4441
AGGLUTINATION: 311, 3829, 3927
AGGLUTINATION TESTS: 76, 2196, 3326
AGGRESSION: 277, 280-281, 651, 1023, 1262, 1351, 2366, 2434, 2524, 4196, 4296, 4331
AGING: 68, 133-134, 426, 1006, 1127, 1132, 1230-1232, 2044, 2163, 2208, 2317, 2436, 2441, 2469, 2821, 2954, 3038, 3100, 3136, 3156, 3396, 3489, 3562, 4025, 4103, 4176, 4409
AGRANULOCYTOSIS: 1656
AGRICULTURAL WORKERS' DISEASES: 2190, 3480
AGRICULTURE: 738
AIR: 1240, 2450, 4272
AIR IONIZATION: 2127
AIR POLLUTION: 859, 2568
AIR POLLUTION, RADIOACTIVE: 556, 1066
AIR SACS: 2175
AIRCRAFT: 2610
AIRWAY OBSTRUCTION: 226, 1476, 1541, 3591, 4336
AIRWAY RESISTANCE: 1143, 1492, 1662, 2753, 3465-3467
ALANINE: 1303, 2061-2062, 2538, 2882, 4185, 4314
ALANINE AMINOTRANSFERASE: 787, 1069, 2239, 3062, 4233
ALBUMINS: 259, 2074, 2232, 2731, 3689
ALBUMINURIA: 591, 1785, 2518, 3362
ALCOHOL DRINKING: 1706
ALCOHOL, ETHYL: 1073, 1565, 1697, 1832, 2192, 2213, 2220, 2273, 2296, 2304, 2769, 3238, 3271, 3618, 3919, 4160, 4167
ALCOHOL, METHYL: 4020, 4151, 4292, 4389
ALCOHOL OXIDOREDUCTASES: 528, 613, 647, 1013, 2493-2494
ALCOHOL, PROPYL: 480, 2769, 3033
ALCOHOLIC INTOXICATION: 486, 1123
ALCOHOLISM: 1073, 1545, 2988, 3715, 3794, 4167
ALCOHOLS: 1504, 3046, 3238, 3382
ALCOHOLS, BUTYL: 2505
ALDEHYDE OXIDOREDUCTASES: 1826
ALDEHYDES: 261, 290, 907, 3950
ALDOLASE: 613, 2227, 3803
ALDOSTERONE: 20, 91, 222, 240, 288, 471, 503, 532, 538, 630-631, 663, 761, 697, 995, 1049, 1051, 1106-1107, 1122, 1175, 1396, 1425, 1528, 1619, 1681, 1721, 1793, 1827, 1926, 1992, 2048, 2109, 2190, 2315, 2370, 2645, 2678-2679, 2685, 2842, 2932, 2983, 3043, 3064, 3293, 3299, 3436-3437, 3568, 3578, 3672, 3696, 3842, 4081, 4092, 4143, 4176, 4187, 4261, 4289-4290, 4308, 4386, 4421
ALDRICH SYNDROME: 1656
ALEUTIAN MINK DISEASE: 3551
ALFALFA: 1271
ALKALIES: 668, 1046
ALKALINE PHOSPHATASE: 21, 103, 163, 327, 333, 399, 547, 739, 763, 773, 1121, 1148, 1311, 1356, 1418, 1437, 1460, 1540, 1680, 1750, 1602, 1821, 1844, 1853, 1962, 2016, 2096, 2115, 2125, 2133, 2168, 2221, 2262, 2453, 2471, 2562, 2592, 2655, 2716, 2723, 2801-2802, 2819, 3063, 3094, 3096, 3210, 3252, 3274, 3330, 3368, 3409, 3451-3452, 3462, 3666, 3703, 3712, 3849, 3984, 4024, 4033, 4064, 4199
ALKALOIDS: 389, 1142, 1945, 2877, 3993, 4040, 4152, 4230, 4437
ALKALOSIS: 226, 2162, 3106, 3432, 3865, 4073
ALKANES: 2505, 4079
ALKENES: 342
ALKYL SULFONATES: 1499, 3382, 4272, 4357
ALKYLATING AGENTS: 265, 519, 709, 1027, 1338, 1652, 3559, 3791, 4129, 4230, 4249, 4416, 4437
ALKYLATION: 617, 826, 1666, 2355, 2729, 3382
ALKYNES: 873, 1208
ALLELES: 157, 1032, 1695, 2428, 2694, 2696, 2940, 3146, 3745, 3811, 4291
ALLELISM TEST: 3504-3505
ALLERGENS: 1546, 3000
ALLOPURINOL: 1307, 4055
ALLOSTERIC REGULATION: 2947
ALLOXAN: 3849
ALLOXAN DIABETES: 352, 800, 881, 695, 1482, 2606, 2923, 3062, 3144, 3634, 3785, 3849
ALLYL COMPOUNDS: 578, 666, 1428, 2405, 3408
ALOPECIA: 348, 674, 794, 806, 1347, 2393, 2783, 3408, 3655, 4340
ALOPECIA AREATA: 1966
ALPHA GLOBULIN: 226, 663, 1765, 3306-3307, 3974
ALPHA RHYTHM: 2677
ALPORT'S SYNDROME: 2428
ALPRENOLOL: 608, 3837
ALTITUDE: 1049, 1342, 1975, 2033, 2076, 2726, 3049
ALUMINUM: 1131
ALUMINUM HYDROXIDE GEL: 37, 323, 3232
ALUMINUM SILICATES: 37
ALVEOLAR PROCESS: 175, 3527
AMANTADINE: 2253, 3818
AMAUROTIC FAMILIAL IDIOCY: 2914
AMBLYOPIA: 3015
AMBULATORY CARE: 958, 2070, 2557, 3016
AMENORRHEA: 111, 217, 262, 347, 366, 444, 527, 564-565, 584, 743, 765, 915, 1212, 1353, 1688, 1843, 1911, 1957, 2414, 2637, 2761, 3268, 3391, 3430, 3448, 3655, 3768, 3817, 4048, 4095, 4273, 4309, 4335, 4382
AMERICIUM: 3497-3498
AMIDES: 973, 1146, 2273, 2797, 3176, 3791
AMIDINES: 244
AMIDOHYDROLASES: 2927
AMILORIDE: 135, 288, 1137, 2108, 2190, 3596
AMINATION: 681
AMINES: 17, 358, 942, 1077, 1282, 1366, 1416, 1735, 1803, 2115, 2130, 2261, 2498, 2881-2882, 2955, 3282, 3382, 3625, 3628, 3992
AMINO ACID METABOLISM, INBORN ERRORS: 1723, 1807, 2951
AMINO ACID SEQUENCE: 828, 1047, 1101, 1404, 1609, 1708, 1775, 2227, 2291-2292, 2680, 2886, 2871, 3240, 3354, 3706, 3838, 4117, 4312
AMINO ACIDS: 131, 389, 559, 711, 718, 740, 828, 841, 896, 907, 942, 950, 1046, 1070, 1136, 1249, 1303, 1374, 1476, 1510, 1565, 1609, 1708, 1607, 2029, 2061-2062, 2068, 2152, 2227, 2381, 2385, 2655, 2662, 2866, 2881-2882, 2892, 2902, 2913, 3140, 3240, 3354, 3552, 3558, 3587, 3612, 3636, 3726, 3826, 3832, 3838, 3876, 3946, 4045, 4049, 4051, 4117, 4158, 4194
AMINO ACYL T RNA SYNTHETASES: 1249, 1303
AMINO ALCOHOLS: 101, 480, 1114, 2715, 3141, 3422, 3837
AMINOBENZOIC ACID: 559, 1878
AMINOBUTYRIC ACID: 40, 315, 389, 421, 711, 885, 942, 1587, 1620-1621, 2140, 2261, 3238, 3587, 4119
AMINOCAPROIC ACID: 726
AMINOGLUTETHIMIDE: 844, 965, 975, 2453, 3223, 3890, 3969, 4213, 4252
AMINOHIPPURIC ACID: 91, 1228, 1462, 1645, 2235, 2284, 3689
AMINOHYDROLASES: 3636
AMINOISOBUTYRIC ACID: 641, 1762
AMINOLEVULINIC ACID DEHYDRATASE: 2745
AMINOLEVULINIC ACID SYNTHETASE: 2745, 3060, 3223
AMINOPEPTIDASES: 408, 825, 1159, 1428, 2016, 2802, 3252, 4049-4051, 4162-4163
AMINOPHYLLINE: 318, 502, 905, 1135, 1669, 1718, 1992, 2987, 3056, 3296, 3422, 4237
AMINOPROPIONITRILE: 907
AMINOPYRINE: 656, 931, 1216, 3151
AMINOPYRINE N-DEMETHYLASE: 3223, 3297
AMINOSALICYLIC ACID: 213, 4156
AMINOTRANSFERASES: 17, 399, 624, 711, 773, 3136, 3407, 3983, 4444
AMITRIPTYLINE: 4012, 4161
AMMONIA: 40, 681, 2009, 2410, 3579
AMMONIUM CHLORIDE: 1282, 2105, 3971
AMMONIUM COMPOUNDS: 187, 1228, 1282, 1503, 1654, 1764, 3271, 3399, 4175
AMMONIUM SULFATE: 5, 51, 740, 786, 1148, 1443, 1503, 1601, 2068, 3013, 3650
AMNESIA: 1063
AMNIOCENTESIS: 16, 212, 892, 2102, 2210, 2411, 3693
AMNION: 462, 498, 959, 2065, 2210, 2214, 2590, 2813-2814, 3111, 3475, 3641
AMNIOSCOPY: 2168
AMNIOTIC FLUID: 16, 72, 271, 368, 476, 790-791, 811, 899, 2210, 2411, 2527, 2758, 2771, 2898, 3003, 3166, 3514, 3692-3693, 3708, 4263
AMOBARBITAL: 1407, 2841
AMPHETAMINE: 726, 807, 935, 1400, 1655, 2253, 2260, 2496, 2877, 2992, 3493, 3649, 4012
AMPHIBIA: 778, 3744
AMPHOTERICIN B: 143, 620, 1372, 1645, 2175, 4393
AMPICILLIN: 676, 946, 1200, 2471, 3016, 3932
AMPLIFIERS: 1656
AMPUTATION: 1536, 3433, 4147
AMPUTATION STUMPS: 1536
AMYGDALOID BODY: 256, 267-289, 504, 735, 848, 1163-1164, 1321, 1325, 1444, 1543, 2325, 2506, 2636, 2662, 2808, 2931, 2942, 3087, 3424, 3698, 3954, 4161, 4210
AMYLASE: 223-224, 1729, 2622, 3560, 4287
AMYLOID: 2300, 4442
AMYLOIDOSIS: 762, 1136, 3042, 3673
AMYOTROPHIC LATERAL SCLEROSIS: 226, 2584
ANABOLIC STEROIDS: 369, 773, 1079, 1195, 1622, 2014, 2224, 3110, 3439, 4109, 4340
ANAEROBIOSIS: 610, 1223, 1300, 1597, 3883, 4010
ANALEPTICS: 3223
ANALGESIA: 561, 1674-1675, 4111, 4427
ANALGESICS AND ANTIPYRETICS: 61, 1093, 1371, 1499, 2615, 2709-2710, 2720, 4235, 4416
ANALYSIS OF VARIANCE: 197, 237, 403, 621-623, 1120, 1776, 2033, 2395, 3137, 3913
ANAPHYLAXIS: 395, 986, 1538, 2347, 2803, 2845, 2962, 2967, 3325, 3342, 3347, 4068
ANATOMY, COMPARATIVE: 887, 1917, 2559
ANDROGENS: 46, 149, 265, 307, 397, 474, 493, 890, 1008, 1157, 1195, 1203, 1509, 1539, 1551, 1565, 1591, 1622, 1747, 1796-1797, 1918, 2014, 2032, 2071, 2095, 2185, 2226, 2501, 2609, 2617, 2682, 2783, 2794, 3006, 3059, 3198, 3234, 3340, 3372, 3439, 3451-3452, 3562, 3567, 3662, 3686, 3798, 3808, 3824, 3857, 4109, 4207, 4286, 4340
ANDROSTANES: 284, 348, 513, 643, 664, 953, 1008-1009, 1026, 1051, 1117, 1170, 1483, 1496, 1551, 1564, 1666, 1749, 2295, 2334, 2500, 2596, 2794, 2796, 2872, 3340, 3351, 3476, 4227, 4333
ANDROSTENEDIONE: 513, 1008, 1026, 1157, 1345, 1551, 1564, 2095, 2617, 2794, 2834-2835, 3686
ANDROSTENES: 493, 776, 694, 1026, 1117, 1363, 1369, 1483, 1551, 1685, 1701, 1703, 1749, 1648, 2014, 2095, 2303, 2356, 2853, 2834-2835, 3026, 3046, 3234, 3512, 3659, 3833, 3884
ANDROSTENOL: 1483
ANDROSTERONE: 107, 348, 536, 745, 1009, 1055, 1067, 1073, 1564, 1615, 1685, 1706, 2095, 2617, 2794, 2834-2835, 2905, 3095, 3627, 3669, 3676, 3869, 3938, 3997, 4009
ANEMIA: 307, 1951, 2745, 3457, 4416-4419
ANEMIA, APLASTIC: 773, 1584, 1747, 2100, 3459, 3723
ANEMIA, HEMOLYTIC: 3301
ANEMIA, HEMOLYTIC, ACQUIRED: 439, 632, 2556
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 122, 1768, 2167, 2925, 3301
ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC: 2466
ANEMIA, HYPOCHROMIC: 546, 1476, 1586, 2655, 3848, 3947, 4173, 4419
ANEMIA, MACROCYTIC: 2745, 3947
ANEMIA, PERNICIOUS: 1615, 2556, 3774
ANEMIA, SICKLE CELL: 742, 3301, 3926
ANEMIA, SIDEROBLASTIC: 168, 3794, 4419
ANEMIA, SPLENIC: 1768
ANENCEPHALUS: 368, 2102, 3904
ANESTHESIA: 155, 471, 703, 861, 2270, 2347, 2636, 4336, 4390
ANESTHESIA ADJUVANTS: 2872
ANESTHESIA, CONDUCTION: 2720
ANESTHESIA, EPIDURAL: 1375
ANESTHESIA, GENERAL: 643, 719, 1170, 1222, 1257, 1375, 1531, 2065, 2852, 3064, 3809, 3998
ANESTHESIA, INHALATION: 681, 1273, 1382, 1677, 3235
ANESTHESIA, INTRATRACHEAL: 874
ANESTHESIA, INTRAVENOUS: 861, 1608, 1941, 3858
ANESTHESIA, OBSTETRICAL: 874
ANESTHESIA, SPINAL: 719, 2893
ANESTHESIOLOGY: 539
ANESTHETICS: 703, 1726, 1663, 1941, 2347, 2709, 2893, 3845, 3998, 4376
ANESTHETICS, LOCAL: 4393
ANEUPLOIDY: 678, 1755, 3220, 4298, 4439
ANEURYSM: 2039
ANGINA PECTORIS: 166, 1595, 1616, 1660, 2633, 4434
ANGIOCARDIOGRAPHY: 287, 4157
ANGIOGRAPHY: 292-293, 316, 341, 479, 634, 977,

1179, 1470, 1536, 1976, 2004, 2039, 2727, 2830, 2867, 2961, 3107, 3246, 3404, 4171, 4264, 4397
ANGIOSARCOMA: 1634
ANGIOTENSIN: 65, 222, 240, 471, 473, 503, 532, 746, 964, 1040, 1048, 1101, 1231, 1306, 1359, 1425, 1616, 1883, 1716, 1627, 1886, 1967, 1990, 2048, 2365, 2369, 2462, 2564, 2575-2576, 2645, 2701, 2805, 2666, 3021, 3163, 3227, 3244, 3335, 3342, 3528, 3590, 3863, 3974, 4090-4091, 4143, 4176, 4187, 4259, 4343, 4420-4421
ANGIOTENSIN AMIDE: 710, 1411, 3974
ANGIOTENSINASE: 1606, 2369, 3663, 3974, 4090
ANHYDRIDES: 1501, 2505
ANILIDES: 164, 1590, 4162
ANILINE COMPOUNDS: 1668, 1676, 2169, 2364, 2877, 2959, 2966, 3297, 3601, 4225
ANIMAL EXPERIMENTS: 2, 6, 10, 14-15, 16-20, 22, 25, 27-30, 33, 35-40, 50-55, 57-59, 62, 66-69, 71, 74, 77-80, 65-66, 69, 92-93, 96, 98, 102, 105-106, 110, 122-127, 131, 135, 142, 144, 153, 159-160, 162, 165, 167, 169-170, 172, 175-176, 160-164, 169-190, 193-194, 197, 200, 202, 207-208, 215, 216-220, 223-224, 227, 229-231, 233-234, 236-236, 242, 244-245, 247-248, 253, 255-256, 260, 285, 267-270, 272, 276, 280-281, 285-286, 288, 292-294, 297, 301, 303-304, 308, 315, 325-327, 329-332, 335-337, 340, 342-344, 346, 349-352, 354, 356, 356, 360, 365, 368, 370, 372-374, 382, 384, 388, 389-390, 393-394, 400, 409, 412, 417, 421-422, 426-427, 430-431, 433-434, 436, 438, 440, 445-447, 449, 452, 454-457, 460-461, 464-465, 470-473, 476, 481, 484, 486, 493-495, 501, 506, 509-510, 512-513, 515, 521-522, 524, 529, 535, 537, 542, 545, 550-551, 561-563, 588-587, 570-572, 576-580, 582, 588, 591, 593, 595, 597-598, 605, 611, 614-616, 626-627, 629-632, 635, 640, 642, 644-651, 654, 658-661, 665-666, 669-670, 673, 675, 679-680, 682, 686, 688-696, 696-700, 702-703, 705-708, 710-715, 721-722, 724, 726, 728-729, 732, 735-736, 740, 745, 751, 755, 757-758, 764-767, 769-770, 776, 782, 764, 786, 793, 796, 600, 602-804, 607-809, 614-816, 616, 621-624, 626-627, 629, 635, 636-641, 644, 648-849, 651-652, 654, 658, 662, 664-668, 668-669, 671-873, 675, 676-662, 685, 687-691, 695-898, 900-901, 905, 907-906, 910, 912-914, 916, 919-921, 924-926, 930-932, 936, 936, 940, 942, 944-945, 947, 949-951, 954, 956, 959, 964-965, 972-973, 975-976, 979-980, 962-986, 990, 992, 998, 1002-1003, 1005, 1008-1010, 1012-1013, 1016, 1016-1020, 1022-1023, 1026, 1030-1033, 1035-1036, 1038-1039, 1041, 1047-1048, 1051, 1053, 1056-1059, 1062-1064, 1072, 1076, 1078, 1081, 1090, 1092, 1095, 1097, 1101-1103, 1105-1110, 1112, 1116-1117, 1119-1120, 1122, 1126, 1130-1133, 1137, 1139-1140, 1142, 1144, 1152-1154, 1156-1157, 1164-1165, 1168-1169, 1171, 1173-1177, 1160-1161, 1166-1167, 1169, 1192
1197-1198, 1203-1204, 1209-1210, 1213, 1216, 1219, 1224, 1226, 1228-1233, 1236, 1238, 1241, 1243-1245, 1247-1249, 1252, 1255, 1257, 1259, 1261-1263, 1288, 1271, 1273, 1277, 1260, 1283-1285, 1287, 1289-1291, 1293-1295, 1296, 1303-1304, 1306, 1310, 1314, 1321, 1324-1326, 1330-1333, 1340-1341, 1350-1351, 1354-1355, 1358-1360, 1363-1366, 1388-1371, 1374, 1380, 1362-1383, 1366-1387, 1369, 1392, 1397, 1399-1400, 1402, 1404, 1406-1407, 1410-1411, 1414-1416, 1416, 1422, 1424-1425, 1427-1428, 1430, 1432, 1434, 1436-1437, 1439, 1442, 1444, 1450, 1452, 1457, 1460, 1472, 1475, 1477, 1480, 1483-1465, 1487-1488, 1492, 1500, 1504-1508, 1508, 1510-1512, 1515, 1516, 1520-1521, 1523, 1525, 1530-1531, 1535-1539, 1543, 1548-1551, 1553, 1555, 1557-1560, 1562, 1564, 1567-1568, 1572, 1580, 1582, 1585, 1587-1588, 1590, 1592, 1596-1597, 1601, 1607, 1611, 1616-1619, 1621, 1624, 1626, 1632-1633, 1635, 1637, 1642, 1645-1647, 1649-1650, 1653-1654, 1656, 1660, 1662-1663, 1688-1679, 1683, 1687, 1889, 1693, 1696, 1698, 1700-1701, 1703-1704, 1707-1708, 1711-1712, 1716-1719, 1721, 1725, 1727-1728, 1730, 1732-1733, 1735, 1739, 1741, 1746, 1750-1751, 1753-1754, 1760-1762, 1765-1766, 1774, 1776, 1779-1760, 1762, 1784, 1789, 1791-1792, 1794-1797, 1799-1600, 1603-1605, 1609, 1613-1616, 1621, 1625-1626, 1629-1633, 1636, 1840, 1647-1849, 1651-1653, 1657-1659, 1662, 1864-1667, 1671-1672, 1676, 1880, 1882-1884, 1886-1887, 1693, 1695-1904, 1906, 1908, 1916-1917, 1919, 1921-1922, 1924-1925, 1932, 1938-1941, 1945-1949, 1952-1953, 1958, 1959, 1961, 1983, 1967, 1989-1970, 1973, 1975, 1979-1980, 1985-1986, 1988, 1990, 1995-1997, 1999, 2002-2003, 2005-2007, 2009, 2015, 2016, 2020-2021, 2028, 2031, 2035, 2043-2044, 2047-2049, 2051-2052, 2054, 2056-2057, 2059, 2061-2063, 2068, 2072, 2075-2077, 2080, 2082, 2085-2086, 2090, 2095, 2096-2099, 2101, 2105, 2107, 2109, 2111, 2115, 2116, 2121, 2124-2125, 2132-2133, 2135, 2137-2144, 2146-2148, 2151-2153, 2157-2158, 2163-2165, 2167, 2171
2172-2173, 2175, 2176, 2180, 2165, 2191-2193, 2195-2196, 2199, 2201, 2208-2209, 2211, 2213, 2215-2216, 2216, 2223-2224, 2229-2230, 2232, 2234-2237, 2239, 2241-2244, 2249, 2254-2259, 2261-2262, 2264, 2266, 2269-2271, 2273-2274, 2280-2284, 2293, 2295, 2297, 2299, 2302, 2306-2308, 2311, 2315-2316, 2316-2319, 2323-2324, 2327, 2329-2331, 2335, 2337, 2340-2342, 2348-2351, 2353, 2355, 2358, 2362-2367, 2371, 2374, 2377, 2382, 2385, 2388, 2395-2396, 2399-2400, 2402-2403, 2405, 2407, 2410, 2412, 2416, 2419-2420, 2425-2427, 2429, 2431, 2433-2435, 2438, 2440, 2444, 2447-2448, 2450, 2453, 2459-2463, 2465, 2467, 2470, 2477, 2479, 2481, 2484, 2488-2490, 2492-2493, 2496-2500, 2502, 2504-2508, 2513, 2515-2516, 2520, 2527, 2529-2532, 2534-2535, 2537-2538, 2540, 2544-2545, 2548, 2553-2555, 2558-2564, 2567, 2589, 2572, 2575-2576, 2580, 2586, 2591-2592, 2596, 2598, 2604-2605, 2607-2608, 2611, 2621-2622, 2626-2628, 2630, 2634, 2636, 2639-2640, 2642, 2644, 2651-2653, 2657, 2660-2662, 2665-2887, 2669, 2874-2676, 2678-2679, 2884, 2691-2692, 2694, 2697-2700, 2703, 2705-2707, 2712-2713, 2715-2716, 2716-2719, 2722, 2724, 2726-2727, 2730-2731, 2737, 2739-2740, 2745-2746, 2748-2750, 2752-2759, 2762-2764, 2768, 2770, 2773-2774, 2779-2780, 2782, 2784-2785, 2787-2788, 2792, 2794, 2796-2797, 2799-2800, 2803, 2805, 2808, 2813-2814, 2816, 2819, 2824, 2828, 2829, 2831-2832, 2836, 2838-2840, 2845, 2848, 2851, 2853, 2855-2858, 2858, 2860-2861, 2864, 2866-2867, 2869, 2873-2874, 2877, 2880-2881, 2884, 2888-2889, 2891, 2895, 2897, 2900, 2903-2904, 2907-2911, 2913, 2916, 2919-2924, 2929, 2931, 2933-2935, 2940-2947, 2953-2954, 2957-2958, 2960, 2962-2963, 2965, 2967-2969, 2972, 2974-2975, 2977-2980, 2982-2983, 2987, 2990, 2994, 2997-2996, 3000, 3007, 3009, 3011-3013, 3015, 3017, 3020-3021, 3028-3029, 3035-3037, 3041, 3044, 3047, 3050, 3055-3059, 3062, 3065-3066, 3068, 3072, 3075, 3081, 3086-3089, 3097-3098, 3101, 3108-3109, 3113, 3115, 3124-3127, 3130, 3133, 3136-3137, 3142
3143-3144, 3146-3151, 3153, 3156-3157, 3159-3161, 3170, 3172, 3174-3177, 3161-3163, 3165, 3169, 3191-3192, 3194-3195, 3198, 3201, 3204-3205, 3207, 3209, 3213, 3215-3216, 3222-3227, 3229-3230, 3234-3235, 3238, 3241, 3244, 3247-3250, 3255-3257, 3259, 3266, 3270, 3272, 3275-3276, 3282-3283, 3288-3289, 3294, 3296-3298, 3303, 3306-3308, 3316-3321, 3329, 3332-3333, 3335, 3338, 3340, 3342-3345, 3347, 3357, 3363-3366, 3369, 3372, 3377-3378, 3382-3384, 3386, 3392-3393, 3396-3399, 3402, 3407-3409, 3411, 3414, 3416-3420, 3426-3427, 3431, 3435, 3437, 3439, 3443-3445, 3449-3454, 3456, 3458, 3461, 3472, 3483, 3487, 3493-3498, 3501, 3503-3505, 3507-3508, 3512-3513, 3517-3519, 3523, 3527-3528, 3532-3533, 3535-3536, 3538, 3540-3541, 3546-3547, 3549-3551, 3554-3555, 3582-3570, 3574, 3576-3577, 3579, 3582, 3584, 3587, 3595, 3598, 3601, 3607-3608, 3610, 3612, 3616-3620, 3624, 3628-3630, 3634-3635, 3637-3639, 3645-3646, 3649, 3653, 3656-3657, 3659, 3661, 3663, 3665-3667, 3671-3672, 3675, 3679-3682, 3684, 3689-3691, 3694, 3698, 3700, 3703, 3705, 3710, 3719, 3722, 3725-3728, 3730-3731, 3735, 3737, 3739, 3744-3745, 3748-3751, 3753, 3755, 3758, 3760-3761, 3769, 3771-3772, 3779, 3781-3783, 3785-3792, 3795-3796, 3798, 3804-3805, 3807, 3809, 3813-3815, 3816, 3820, 3823-3824, 3826-3829, 3832, 3835, 3837-3842, 3844, 3846-3847, 3849-3852, 3855-3857, 3859-3862, 3866, 3868-3869, 3872, 3878, 3880-3883, 3886, 3888, 3895, 3897-3898, 3901-3903, 3905, 3912-3913, 3917, 3922-3925, 3942-3943, 3946, 3949-3950, 3953-3955, 3958-3962, 3964, 3973, 3980-3983, 3988-3989, 3992-3993, 3995-3996, 4002, 4006, 4008, 4012-4013, 4020, 4039-4040, 4043-4046, 4049-4051, 4053-4055, 4057, 4059-4060, 4064, 4067-4069, 4071, 4075-4079, 4083, 4085-4086, 4089-4091, 4093, 4099, 4101, 4103, 4106, 4109-4110, 4112-4113, 4115, 4117, 4119-4120, 4122, 4124, 4126-4127, 4130-4131, 4134-4135, 4139-4141, 4146-4148, 4151, 4154, 4160-4161, 4167, 4169, 4174-4175, 4177, 4162-4184, 4186, 4188, 4194-4196, 4200
4201, 4204, 4208, 4210, 4212-4216, 4220-4225, 4232, 4234, 4236-4237, 4244, 4250-4252, 4254, 4260, 4266, 4275-4276, 4279-4280, 4282-4284, 4290-4291, 4293-4294, 4297-4298, 4300, 4302-4305, 4307-4308, 4311-4312, 4315-4317, 4320-4321, 4323-4324, 4326, 4328, 4331, 4333, 4337, 4339, 4343, 4346, 4349, 4351-4353, 4356-4357, 4359, 4361-4362, 4365, 4367, 4387, 4420, 4422, 4438, 4443, 4445, 4447-4449
ANIMAL FEED: 297, 370, 1271, 1442, 2403, 2410, 3088, 3097, 3408, 4079, 4115, 4141
ANIMAL NUTRITION: 337, 384, 614, 766, 798, 1553, 1754, 1632, 2175, 3097, 3174, 3416, 3449, 3739, 3878, 4083
ANIMALS, DOMESTIC: 2076, 2787
ANIMALS, LABORATORY: 1173, 1530, 3115
ANIMALS, NEWBORN: 197, 227, 324, 343, 434, 456, 464, 576, 582, 661, 693, 745, 809, 835, 644-845, 990, 998, 1030, 1034, 1229, 1259, 1406, 1434, 1621, 1761, 1796, 1883, 2044, 2138, 2151, 2164-2165, 2201, 2297, 2639, 2651, 2792, 2864, 3059, 3151, 3298, 3306, 3504-3505, 3555, 3607, 3619, 3666, 3728, 3765, 3832, 3852, 3869, 3881, 3959, 4351
ANIMALS, ZOO: 2080
ANISOLES: 3411, 4216
ANKLE: 909, 1164, 1561, 3417, 3966
ANKLE JOINT: 909, 3736
ANKYLOSIS: 1465, 2202
ANNELIDA: 916, 2465
ANOPHELES: 245, 2755
ANOREXIA NERVOSA: 217, 262, 366, 1086, 1561, 1768, 3865, 4271, 4273, 4381-4382
ANOSMIA: 2454, 4145
ANOXEMIA: 946, 1147
ANOXIA: 55, 364, 715, 804, 810, 868, 993, 1222, 1473, 1975, 2543, 2860, 3072, 3176, 3325, 3543
ANTACIDS: 302, 704, 1711, 3054
ANTERIOR CHAMBER: 3733
ANTHELMINTICS: 677, 1572, 1590, 2496
ANTHRANILIC ACID: 1457, 3280
ANTHRAQUINONES: 1654
ANTHROPOMETRY: 886, 4014, 4116
ANTI-ANTIBODIES: 2137
ANTIBIOTICS: 264, 309, 364, 502, 592, 607, 846, 1056, 1064, 1093, 1135, 1200, 1279, 1329, 1379, 1442, 1532, 1541, 1566, 1574, 1614, 1692, 1787, 1668, 2233, 2282, 2288, 2543, 2601, 2633, 2709-2710, 2966, 2970, 2991, 3416, 3434, 3716, 3734, 4017, 4084, 4203, 4249, 4356, 4393, 4401, 4436-4437
ANTIBIOTICS, ANTINEOPLASTIC: 201, 265, 1027, 1652, 2058, 2126, 3713, 3791, 3900, 4230
ANTIBODIES: 179, 286, 465, 696, 788, 1040, 1046, 1050, 1276, 1306, 1485, 1546, 1575, 1564, 1700, 1770, 1625, 1966, 2005, 2168, 2369, 2480, 2560, 2630, 2722-2723, 2780, 2925, 2994, 3075, 3129, 3203, 3253, 3262, 3358, 3470, 3539, 3580, 3774, 3810, 4066, 4223, 4338
ANTIBODIES, BACTERIAL: 2111, 2247
ANTIBODIES, HETEROTYPIC: 3146, 3810
ANTIBODIES, NEOPLASM: 328, 1956, 2059, 3463
ANTIBODIES, VIRAL: 1869
ANTIBODY FORMATION: 78, 174, 212, 285, 395, 599, 1725, 1953, 1959, 2005, 2061, 2111, 2137, 2283, 2350, 2358, 2416, 2630, 2719, 2796, 2987, 3146, 3326, 3419, 3492, 3650, 3810, 4311
ANTIBODY PRODUCING CELLS: 3042, 3790
ANTIBODY SPECIFICITY: 505, 1104, 1484, 1638, 1700, 1983, 2722, 3253, 3704
ANTICHOLESTEREMIC AGENTS: 1701, 4078
ANTICOAGULANTS: 709, 754, 1215, 1216, 1787, 1990, 2472, 2970, 3416
ANTICONVULSANTS: 109, 589, 2096, 2709, 2734, 3223, 3941, 4127, 4249
ANTIDEPRESSIVE AGENTS: 1366, 1783, 2492, 4404
ANTIDIABETICS: 302, 2152, 2970, 4249
ANTIDOTES: 3649
ANTIEMETICS: 4249
ANTIGEN-ANTIBODY COMPLEX: 395, 1148, 1306, 1575, 1627, 2165, 3026, 3129
ANTIGEN-ANTIBODY REACTIONS: 283, 599, 696, 1058, 1148, 1306, 1396, 1485, 1487, 1546, 2722, 2803, 2913, 3042, 3422, 3463, 4171, 4410
ANTIGENIC DETERMINANTS: 325, 617, 1587, 1679, 1953, 3059, 3413
ANTIGENS: 142, 283, 316, 325, 395, 465, 675, 696, 741, 927, 1099, 1114, 1171, 1308, 1441, 1487, 1489, 1693, 1904, 1959, 2057, 2164-2165, 2190, 2519, 2803, 3124, 3271, 3285, 3343-3345, 3371, 3419, 3799, 3804, 3854, 4101, 4166, 4240, 4339
ANTIGENS, BACTERIAL: 2350, 3810

SUBJECT INDEX

ANTIGENS, NEOPLASM: 328, 736, 1831, 1958, 2848, 3463, 4130, 4170, 4311, 4354
ANTIGENS, VIRAL: 736, 1181, 1582
ANTIHISTAMINICS: 721, 862, 986, 1029, 1135, 1342, 1861, 2347, 2704, 3296, 3342, 4185
ANTIHYPERTENSIVE AGENTS: 302, 448, 480, 919, 1469, 1595, 1606, 4392
ANTI-INFECTIVE AGENTS: 2028, 2546, 3813, 4153
ANTI-INFECTIVE AGENTS, LOCAL: 1024, 1328, 4393
ANTI-INFLAMMATORY AGENTS: 13, 210, 381, 754, 1029, 1393, 1396, 1537, 1785, 2052, 2203, 2283, 2571, 2970, 4159, 4235, 4418
ANTI-INFLAMMATORY AGENTS, TOPICAL: 732, 2394
ANTILYMPHOCYTE SERUM: 75, 142-143, 266, 314, 343, 615-816, 1445, 1517, 2057, 2061, 2417, 2584, 3042, 3086, 3071, 3129, 3548, 3572, 3724, 3726, 3994, 4071
ANTIMALARIALS: 3, 2571, 2714
ANTIMETABOLITES: 519, 1027, 1852, 2916, 3301, 4230, 4437
ANTIMYCIN A: 433, 2918, 4252
ANTINEOPLASTIC AGENTS: 185, 265, 314, 519, 709, 720, 667, 913, 1056, 1220, 1239, 1333, 1652, 1709, 1981, 2329, 2709, 2720, 2801, 3042, 3068, 3361, 3382, 3385, 3463, 3734, 3791, 4033, 4107, 4129, 4230, 4391, 4416, 4450
ANTINUCLEAR FACTORS: 64, 1584, 1752, 2723, 2738, 3048, 3100, 3193, 4414
ANTIPYRINE: 841, 1499, 3266, 3446
ANTISEPSIS: 1347
ANTITHROMBIN: 4384
ANTITOXINS: 883, 2955
ANTITUBERCULAR AGENTS: 1738, 1958, 2970, 4249, 4375
ANTITUSSIVE AGENTS: 2548
ANTIVENINS: 3517
ANTIVIRAL AGENTS: 99, 343
ANTS: 2762
ANURIA: 2685, 4171
ANUS: 1243, 1357, 3553
ANUS, IMPERFORATE: 1603
ANXIETY: 147, 232, 1434, 1627, 1991, 2868
AORTA: 390, 473, 494-495, 640, 656, 804, 1324, 1399, 1457, 1821, 2377, 2395, 2916, 3201, 3289, 3845
AORTA, ABDOMINAL: 495, 604
AORTA, THORACIC: 495, 604, 1346, 2260, 2576, 3170, 3244, 4040, 4239
AORTIC ANEURYSM: 466, 1346, 1630, 4284
AORTIC COARCTATION: 91, 4157
AORTIC DISEASES: 1346
AORTIC VALVE: 4157, 4380
AORTIC VALVE INSUFFICIENCY: 1830
AORTIC VALVE STENOSIS: 2912, 4157, 4434
AORTOCORONARY BYPASS: 196
AORTOGRAPHY: 91, 922, 1044, 1346, 1630, 2039
APATITES: 144, 1931, 3897
APES: 1879
APGAR SCORE: 625, 1588, 2038, 3692, 3892
APNEA: 993, 1478, 1608, 3858
APOMORPHINE: 2186
APOPROTEINS: 3863
APPENDECTOMY: 3042, 3265
APPENDICEAL NEOPLASMS: 1859
APPENDICITIS: 581, 1215, 3506, 3557
APPENDIX: 2087
APPETITE: 1184, 2496, 3407, 3613
APPETITE DEPRESSANTS: 2374, 4249
APPETITE DISORDERS: 1164, 1222, 1476, 1552
APPETITE REGULATION: 294, 363, 1331-1332, 1444, 1552, 2923, 3576, 3634
APPETITIVE BEHAVIOR: 3744
APPOINTMENTS AND SCHEDULES: 3457
AQUEOUS HUMOR: 1920
ARABINOSE: 2892, 3350, 4301
ARACHIDONIC ACID: 642, 966, 1457, 1588, 2433, 3050, 3748, 3860
ARACHNODACTYLY: 3606, 4255, 4413
ARACHNOIDITIS: 2116
ARCHAEOLOGY: 903
ARGININE: 108, 128, 557, 712, 1070, 1385, 1390, 1490, 1609, 1775, 2387, 2680, 2818, 3649, 4194
ARM: 1624, 1759, 2376, 2600, 3674, 4193
AROUSAL: 983, 1626, 2274, 4161
ARRHENOBLASTOMA: 94
ARRHYTHMIA: 287, 586, 1278, 1599, 1756, 1763, 1942, 2999, 3002, 3045, 3206, 4096, 4386-4389, 4434
ARRHYTHMIA, SINUS: 1608, 1758
ARSENIC: 1142, 4180
ART: 903
ARTERIAL OCCLUSIVE DISEASES: 1618, 2482, 4264
ARTERIES: 154, 320, 713, 730, 758, 815, 887, 1194, 1197, 1360, 2576, 2812, 3170, 3244, 3251, 4259
ARTERIOSCLEROSIS: 48, 82, 153, 313, 840, 713, 604, 1006, 1173, 1179, 1217, 1399, 1821, 2735, 3170, 3244, 3401, 3845, 3978, 4345
ARTERIOVENOUS FISTULA: 1482, 1470, 3778
ARTERIOVENOUS MALFORMATIONS: 1346, 2464
ARTERITIS: 922
ARTHRITIS: 84, 110, 210, 355, 756, 1463, 1686, 1693, 2352, 3265, 3546, 3737, 4412, 4415
ARTHRITIS, INFECTIOUS: 3654
ARTHRITIS, JUVENILE RHEUMATOID: 533, 2509, 2896, 4410
ARTHRITIS, RHEUMATOID: 206, 210, 381, 583, 719, 727, 756, 969, 1168, 1225, 1264, 1463, 1604, 1673, 1954, 1982, 2570-2571, 2600, 2702, 3939, 3966, 4003, 4179, 4287, 4269, 4355, 4410, 4414
ARTHRODESIS: 969
ARTHROGRYPOSIS: 2202
ARTHROPATHY, NEUROGENIC: 1388
ARTHROPLASTY: 969, 2372
ARTHROPODS: 2746
ARTHUS PHENOMENON: 2436
ARTIODACTYLA: 2080, 2160
ASCARIS: 316, 3000
ASCITES: 1911, 2120
ASCITIC FLUID: 171, 1980, 2326, 4159
ASCORBIC ACID: 394, 482, 509, 579, 647, 996, 1324, 1460, 1521, 1568, 1650, 2003, 2421, 2432, 2483, 2528-2529, 2592, 2828, 2754, 2790, 3044, 3619, 3960, 4076, 4323
ASCORBIC ACID DEFICIENCY: 738, 1324, 3849
ASIA: 508, 3712
ASPARAGINASE: 519, 1084, 1994
ASPARAGINE: 3163
ASPARTATE AMINOTRANSFERASE: 613, 767, 1069, 2471, 2723, 3062, 3190, 3560, 3803, 4233
ASPARTIC ACID: 40, 51, 706, 1101, 2006, 2239, 2914
ASPERGILLOSIS: 1042, 1645, 2390, 4441
ASPERGILLUS: 143, 953
ASPERGILLUS FUMIGATUS: 2390
ASPHYXIA NEONATORUM: 16, 401, 3529, 3987
ASPIRATION: 3465, 4449
ASPIRIN: 81, 93, 248, 416, 450, 571, 656, 754, 832, 1218, 1283, 1588, 1743, 1765, 2294, 2571, 2889, 2967, 3450, 4191, 4249, 4407, 4409-4410, 4412, 4427
ASSOCIATION: 267-268
ASTHENIA: 963, 2321, 4389
ASTHMA: 502, 928, 962, 966, 1029, 1085, 1135, 1372, 1438, 1499, 1514, 1570, 1841, 1766, 1645, 2388, 2443, 2568, 2668, 2825, 2837, 2937-2938, 3001, 3041, 3080, 3422, 3471, 3525, 3591, 3979, 4003, 4028, 4084
ASTROCYTOMA: 11, 1235, 2305, 2751, 3211, 4027
ATAXIA TELANGIECTASIA: 1254, 1856, 3644
ATELECTASIS: 2543, 3874
ATLAS: 2309, 3261
ATMOSPHERIC PRESSURE: 1049, 2450
ATOMIC ENERGY: 1066
ATROPHY: 552, 742, 1327, 1348, 1357, 1493, 1544, 2118, 2453, 2951, 4114, 4338, 4426
ATROPINE: 77, 155, 263, 529, 861, 1209, 1277, 1279, 1321, 1608, 2316, 2829, 3056, 3259, 3399, 3679, 3705, 3856, 4438
ATTENTION: 3696
ATTITUDE: 228, 573, 2485, 4277
ATTITUDE TO HEALTH: 3529
AUDIOMETRY: 1757, 2859
AUDITORY CORTEX: 2861
AURICULAR FIBRILLATION: 254, 1758, 4041
AURICULAR FLUTTER: 1756
AUROTHIOGLUCOSE: 681, 2477, 3634
AUSTRALIA: 68, 573, 4281, 4289
AUSTRALIA ANTIGEN: 1463, 1622, 2723
AUSTRALIAN RACE: 4118
AUSTRIA: 1361, 2526, 3870
AUTOANALYSIS: 378, 792, 828, 1148, 1609, 2029, 2683, 3017, 3264, 3354, 4162, 4258
AUTOANTIBODIES: 174, 307, 676, 817, 989, 1068, 1104, 1162, 1276, 1904, 2187, 2416-2417, 3100, 3128, 3326, 3492
AUTOANTIGENS: 3128
AUTOIMMUNE DISEASES: 12, 64, 76, 94, 174, 855, 683, 805, 1068, 1079, 1278, 1343, 1893, 2186, 2298, 2417, 3193, 3416, 3848, 3899, 3928, 4066, 4255
AUTOLYSIS: 2301, 2689, 3829
AUTOMATIC DATA PROCESSING: 88, 4038
AUTONOMIC DYSFUNCTION: 1667, 2321, 3424
AUTONOMIC NERVOUS SYSTEM: 685, 1149, 1238, 1887, 1975, 2034, 2683, 2779, 2899, 3053, 4242
AUTOPSY: 26, 94, 503, 818, 746, 782, 796, 801, 833, 949, 991, 1037, 1045, 1138, 1149, 1274, 1305, 1529, 1544, 1579, 1851, 1771, 1799, 1915, 1930, 1998, 2027, 2083, 2275, 2286-2287, 2300-2301, 2413, 2478, 2556, 2597, 2818, 2733, 2854, 2863, 2883, 2914, 2917, 3006, 3104, 3199, 3355, 3385, 3438, 3477, 3492, 3694, 3849, 4100, 4105, 4380, 4382, 4424, 4439, 4452
AUTORADIOGRAPHY: 39, 183, 189, 200, 348, 417, 688, 602, 616, 676, 911, 1022, 1074, 1236, 1295, 1320, 1477, 1762, 1769, 1970, 2099, 2139, 2237, 2351, 2424, 2490, 2507, 2824, 2881-2882, 3122, 3157, 3216, 3247-3249, 3312, 3331, 3391, 3546, 3605, 3868, 3879, 3886, 3943, 4134
AUTOSOME ABNORMALITIES: 600, 605, 797, 996, 1088, 1377, 1413, 1426, 1485, 2411, 3022, 3391, 3502, 3762, 3836, 4145
AVIAN LEUKOSIS: 340, 1218
AVIATION MEDICINE: 1049, 2877
AVITAMINOSIS: 3947
AVOIDANCE LEARNING: 234, 412, 785, 1553, 1636, 2274, 2368
AXIS: 2309
AXONS: 51, 66, 304, 542, 604, 1053, 1149, 1525, 1762, 2043, 2268, 2341, 2537, 3066, 3554, 3953-3954, 4248
AXOPLASMIC FLOW: 2211, 3953
AZA COMPOUNDS: 681, 953, 2500, 3160
AZATHIOPRINE: 23, 57, 75, 114, 142-143, 268, 339, 344, 402, 551, 568, 615-616, 678, 748, 781, 893, 906, 1029, 1134, 1309, 1343, 1445-1446, 1489, 1517, 1519, 1575, 1698, 1835, 2081, 2283, 2723, 3061, 3066, 3071, 3129, 3203, 3282, 3285, 3295, 3339, 3548, 3572, 3560, 3655, 3682, 3724-3725, 3994, 4071, 4179, 4256
AZEPINES: 589
AZIDES: 2916, 3241
AZO COMPOUNDS: 764, 3601, 4151
AZOLES: 109
AZOTOBACTER: 3200
BABOONS: 200, 769, 1369, 1941, 2213, 2596, 3075, 3845, 4054
BACILLUS CEREUS: 953
BACILLUS SUBTILIS: 3950
BACK: 621, 1916
BACKACHE: 130, 2116
BACTERIA: 1565
BACTERIAL INFECTIONS: 676, 1200, 1279, 1328, 1856, 3009, 3644
BACTERIAL PROTEINS: 883, 1570, 4301, 4314
BACTERIAL VACCINES: 1786
BACTERIOLOGICAL TECHNICS: 1200, 2531, 2939
BACTERIOLYSIS: 99
BACTERIURIA: 1071, 1200, 1963
BALANITIS: 552, 2671
BARBITURATES: 259, 764, 1619, 2003, 2194, 2556
BARIUM: 912, 1410, 2831
BARIUM SULFATE: 2753
BARNACLES: 859
BASAL METABOLISM: 469, 910, 1770, 2257, 2672
BASE SEQUENCE: 349, 1167, 1440, 2545, 2916
BASEMENT MEMBRANE: 304, 1081, 1392, 1396, 1497, 1734, 1979, 2161, 2268, 2272, 3169, 3275, 3492, 3580, 3994, 4106, 4240
BASILAR ARTERY: 4343
BASOPHILS: 2439, 2660, 3161
BATHS: 4179
BCG VACCINATION: 2741, 4375
BEAK: 3009
BECLOMETHASONE: 1641, 2386, 3479
BEES: 1537, 2762
BEETLES: 2739, 3383
BEHAVIOR: 1434, 3105, 3145, 3892
BEHAVIOR, ANIMAL: 96, 294, 389, 412, 561, 865, 1164, 1407, 1543, 1555, 1626, 1803, 2331, 2342, 2386, 2434, 2496, 2498, 2636, 3493, 3813, 3905, 4012, 4127, 4174, 4182, 4188, 4198, 4297
BEHAVIOR THERAPY: 2992
BEHCET'S SYNDROME: 1768
BELGIUM: 1342
BENCE JONES PROTEIN: 2314
BENTONITE: 3873

BENZANTHRACENES: 738, 2839, 2888-2869, 3336, 3824
BENZAZEPINES: 589
BENZENE DERIVATIVES: 152, 877, 3048
BENZIMIDAZOLES: 1572, 2496
BENZOATES: 227, 259, 512, 572, 931, 1262, 1333, 2496, 2781, 2088, 3296
BENZOCTAMINE: 2841
BENZOFURANS: 1469, 1595, 1660
BENZOPYRENES: 916, 1877, 2966, 3151
BENZTROPINE: 3259
BENZYL COMPOUNDS: 207, 1531, 4162
BERLIN: 4268
BERYLLIUM: 705, 3612
BETA GLOBULIN: 1453, 2156, 3135
BETAMETHASONE: 552, 1475, 2027, 2394, 2527, 2769, 3085, 3131, 3469, 3602
BICARBONATES: 155, 348, 703, 1273, 1344, 1711, 1729, 1940, 2106, 2124, 2162, 2822, 2655, 2891, 2828, 3293, 3883, 3958
BILE: 216, 1031, 1819, 2927, 3763, 3888, 4243
BILE ACIDS AND SALTS: 348, 655, 1052, 1324, 2090, 2348, 3088, 3763
BILE DUCT NEOPLASMS: 94, 2728, 4264
BILE DUCTS: 2381, 3409
BILIARY FISTULA: 218
BILIARY TRACT DISEASES: 863, 1951, 2927, 3210
BILIRUBIN: 624, 1069, 1291, 1445, 2471, 2723, 3210, 3409
BINDING, COMPETITIVE: 31, 211, 241, 536, 750, 982, 1106-1107, 1129, 1175, 1275, 1312, 1509, 1597, 1647, 1871, 1702, 1639, 2013, 2135, 2241, 2243, 2264, 2493, 2696, 2838, 3034, 3063, 3217, 3450, 4101
BINDING SITES: 32, 74, 122, 311, 645, 766, 616, 628, 626, 694, 912, 966, 982, 1065, 1121, 1203, 1228, 1275, 1341, 1440, 1597, 1601, 1649, 1697, 1878, 1991, 2097, 2227, 2241-2242, 2264, 2364, 2425, 2493, 2653, 2749, 2844, 2877, 3027, 3217, 3234, 3240, 3256, 3308, 3333, 3350, 3378, 3450, 3458, 3805, 3860, 3774, 3796, 3829, 3964, 3988, 4038, 4092-4093, 4236, 4275, 4321
BINDING SITES, ANTIBODY: 572, 1306, 1484-1485, 1609, 1926, 1959, 2796, 2816, 3012, 3271, 3799, 4101
BIOCHEMISTRY: 591, 2230, 4007
BIOCOMPATIBLE MATERIALS: 230
BIOFLAVONOIDS: 1460, 2483
BIOGENIC AMINES: 172, 561, 722, 1614, 1959, 2229, 2280, 2485, 2599, 2752, 2978, 3017, 3755, 3818
BIOLOGICAL ASSAY: 59, 148, 270-271, 449, 570, 590, 648, 740, 964, 1040, 1187, 1428, 1515, 1587, 1676, 1679, 1689, 1711, 1780, 1796, 1836, 1839, 1963, 2006, 2077, 2149, 2377, 2788, 2857, 2866, 2869, 2906, 2985, 3061, 3150, 3160, 3181, 3365, 3583, 3590, 3597, 3786, 3788, 3916, 4148, 4212, 4250-4251, 4282
BIOLOGICAL CLOCKS: 106, 3187
BIOLOGICAL TRANSPORT: 16, 66, 433, 480, 774, 1062, 1259, 1294, 1386, 1408, 1510, 1523, 1597, 1889, 1718, 1902, 1985, 2273, 2447, 2608, 2614, 2749, 2858, 2892, 3198, 3446, 3596, 3710, 3727, 3773, 3955, 4346, 4448
BIOLOGICAL TRANSPORT, ACTIVE: 288, 346, 1213, 1293, 1341, 1653, 1762, 1925, 1935, 2273, 2513, 2558, 2892, 3106, 3200, 3884, 3744, 3792, 3872, 4053-4054
BIOLOGY: 2127
BIOMECHANICS: 621, 923, 1637, 2161, 2799, 2921, 3585, 3589, 3922
BIOMEDICAL ENGINEERING: 539
BIOMETRY: 20, 33, 745, 821, 1511, 1997, 3500
BIOPHARMACEUTICS: 37
BIOPHYSICS: 2677, 4289
BIOPSY: 3, 26, 49, 63, 113, 123-124, 200, 295, 344, 355, 366, 387, 402, 435, 520, 602, 616, 820, 759, 779, 622-823, 922, 937, 1128, 1178, 1190, 1214, 1235, 1309, 1394, 1471, 1481, 1497, 1546, 1698, 1734, 1938, 2008, 2030, 2161, 2202, 2231, 2275, 2308, 2337, 2451, 2454, 2468, 2487, 2670, 2775, 2801, 2828, 2849, 2878, 2925, 2951, 3080, 3103, 3122, 3165, 3193, 3228, 3290, 3385, 3442, 3455, 3604-3605, 3613-3617, 3655, 3677, 3691, 3694, 3865, 3956, 4011, 4073, 4108, 4132, 4410-4411, 4418
BIOPSY, NEEDLE: 145, 239, 1299, 2017, 2298, 2471, 2577, 2802, 3265, 3295, 3664
BIOTRANSFORMATION: 684, 916, 1117, 1878, 2303, 2528, 3046, 3409
BIPHENYL COMPOUNDS: 1627
BIRD DISEASES: 2175, 3009, 4147
BIRDS: 629-630, 778, 1310, 2175, 3124, 4008, 4147, 4448
BIRTH RATE: 146, 1513, 1909
BIRTH WEIGHT: 60, 119, 242, 276, 300, 364, 795, 825, 1479, 1591, 1602, 1624, 2038, 2104, 2188, 2208, 2252, 2517, 2711, 2903, 2930, 3014, 3111, 3198, 3252, 3411, 3875, 3892, 4056, 4449
BISHYDROXYCOUMARIN: 37, 2082
BLADDER: 288, 511, 708, 712, 826, 1122, 1137, 1163, 1660, 2273, 2934, 3167, 3308, 3399 3598, 4106, 4448
BLADDER CALCULI: 1403
BLADDER DISEASES: 2110
BLADDER EXSTROPHY: 2671
BLADDER NEOPLASMS: 121, 339, 2159, 2383, 2704, 3819, 3937, 4170
BLEOMYCIN: 201, 2126
BLEPHARITIS: 1279
BLEPHAROPTOSIS: 4012
BLIND LOOP SYNDROME: 3265
BLINDNESS: 600, 1373, 1850, 2360, 2740, 3678, 3743, 4392
BLISTER: 1538, 4017
BLOOD: 8, 57, 95, 158, 591, 667, 1058, 1101, 1506, 1589, 1653, 2013, 2717, 3358, 3371, 3480, 3499, 3899, 4045, 4171
BLOOD-BRAIN BARRIER: 664, 774, 1535, 2249, 2751, 2855, 3437, 3779, 3868
BLOOD CELL COUNT: 57, 72, 475, 583, 771, 1069, 1343, 1534, 1661, 1885, 3006, 3028, 3545, 3779, 3899, 4365
BLOOD CELLS: 1251, 4113
BLOOD CHEMICAL ANALYSIS: 2172, 4258
BLOOD CIRCULATION: 1198, 3325, 4113
BLOOD COAGULATION: 72, 1057, 1283, 1349, 1665, 1990, 2336, 2777, 2797, 2846, 3028, 3583, 4191
BLOOD COAGULATION DISORDERS: 364, 1057, 1173, 1723, 1990, 2777, 4191
BLOOD COAGULATION FACTORS: 4191
BLOOD COAGULATION TESTS: 551, 2623, 2777, 3797, 4191
BLOOD DONORS: 411, 2404
BLOOD FLOW VELOCITY: 151, 196, 728, 730, 1531, 2172, 3251
BLOOD GAS ANALYSIS: 132, 1476, 3284, 3288
BLOOD GROUP INCOMPATIBILITY: 1519, 2619, 3014
BLOOD GROUPS: 886, 2503, 3048, 3153, 4253
BLOOD PLATELET DISORDERS: 2950, 4191
BLOOD PLATELETS: 32, 260, 482, 551, 583, 771, 929, 1057, 1283, 1293, 1547, 1616, 1627, 1659, 1662, 1665, 1673, 1885, 1995, 2085, 2148, 2253, 2404, 2576, 2721, 2735, 2797, 2823, 3028, 3086, 3241, 3244, 3262, 3545, 3566, 3583, 3642, 3681, 3899, 3992, 4002, 4191, 4343
BLOOD PRESSURE: 9, 67, 69, 91, 117, 196, 232, 240, 247, 269, 390, 476, 564, 608, 643, 729, 647, 697, 919, 949, 967, 1057, 1080, 1128, 1143, 1170, 1197-1196, 1238, 1252, 1273, 1382-1383, 1411, 1425, 1453, 1461, 1464, 1489, 1492, 1524, 1531, 1608, 1628, 1629-1630, 1683, 1760, 1885-1886, 1941, 1952, 1975, 1967, 2041, 2107-2108, 2235, 2284, 2333, 2339, 2365, 2377, 2395, 2500, 2516, 2563, 2576, 2590, 2636, 2663, 2753, 2798, 2884, 2987, 3072, 3156, 3288, 3296, 3375, 3417, 3422, 3528, 3679, 3807, 3845, 3858, 3863-3865, 3976, 3998, 4024, 4091, 4156, 4158, 4331, 4345, 4370, 4382, 4420
BLOOD PRESSURE DETERMINATION: 1222, 1794, 2339
BLOOD PROTEIN DISORDERS: 1455, 2587
BLOOD PROTEIN ELECTROPHORESIS: 32, 1962, 2023, 2074, 2314, 2694, 2696, 3193, 4052
BLOOD PROTEINS: 6, 32, 67, 216, 259, 334, 345, 347, 400, 536, 588, 645, 960, 1097, 1101, 1106, 1460, 1632, 1805, 1632, 1885, 1951, 2175, 2232, 2284, 2380, 2635, 2731, 2957, 3034, 3140, 3172, 3249, 3372, 3667, 3731, 3752, 3775, 3878, 3901, 3988, 3993-3994, 4158, 4163
BLOOD SEDIMENTATION: 129, 969, 1069, 1954, 1962, 2995, 3423, 3560, 4355
BLOOD SPECIMEN COLLECTION: 2841, 4451
BLOOD SUGAR: 55, 67, 128, 133, 135, 178, 213, 431, 548, 588, 591, 652, 670, 700, 703, 768-769, 857, 881, 885, 905, 1054, 1103, 1106, 1114, 1145, 1204, 1219, 1303, 1308, 1385, 1399, 1430, 1460, 1585, 1645, 1655, 1885, 1891, 2047, 2093, 2414, 2481, 2497, 2538, 2572, 2608, 2635, 2673, 2683, 2779, 2816, 2828, 2903, 2946, 2962-2963, 3030, 3140, 3195, 3258, 3276, 3310, 3322-3323, 3336, 3375, 3427, 3481, 3560, 3634, 3639, 3696, 3731, 3761, 3793, 3804, 3808, 3817, 3849, 3876, 3962-3963, 3996, 4064, 4070, 4304, 4329, 4447
BLOOD TRANSFUSION: 364, 507, 517, 546, 771, 642, 2187, 2404, 2823, 3301, 3441, 3457, 3492, 3690-3691, 3899, 4419
BLOOD TRANSFUSION, INTRAUTERINE: 2411
BLOOD UREA NITROGEN: 151, 431, 551, 2563, 2767, 2766, 3293, 3339, 3407, 3434, 4132
BLOOD VESSEL PROSTHESIS: 196
BLOOD VESSELS: 166, 1231-1232, 1301, 1576, 1679, 1982, 2038, 2508, 2605, 2747, 3673, 4139
BLOOD VOLUME: 9, 334, 608, 1273, 1461, 1526, 1589, 1783, 2440, 3325
BLOOD VOLUME DETERMINATION: 3246, 3266
BODY COMPOSITION: 297, 455, 734, 2159, 2389, 3097, 3416, 4097, 4217
BODY CONSTITUTION: 371, 2389, 3547, 3865
BODY FLUIDS: 973, 1194, 2074, 3011, 3053, 3277
BODY HEIGHT: 213, 403, 734, 1318, 1579, 1586, 2041, 3220, 3287, 3316, 3526, 3676, 3985, 4136, 4176, 4274, 4345, 4347, 4366
BODY IMAGE: 1434
BODY SURFACE AREA: 3329, 3864
BODY TEMPERATURE: 476, 673, 1076, 1105, 1161, 1351, 1677, 1639, 2460, 2496, 2515, 2779, 2879, 2901, 3063, 3827, 3891, 3915, 4012, 4097, 4217, 4265, 4365
BODY TEMPERATURE REGULATION: 1126, 1516, 1717, 1883, 2034, 2216-2217, 2321, 2331, 2515, 2767, 2899, 2901, 3424, 3728, 3744, 3827-3828
BODY WATER: 538, 2108, 2169, 2315, 3053, 3416, 4217
BODY WEIGHT: 15, 33, 36, 98, 117, 122, 165, 207, 220, 294, 297, 334, 431, 445, 455, 510, 512, 564-565, 580, 588, 596, 647, 679, 690, 705, 726, 734, 766, 798, 804, 645, 881, 901, 914, 992, 998, 1008, 1122, 1164, 1177, 1222, 1261, 1284, 1303, 1332, 1425, 1434, 1520, 1540, 1544, 1650, 1675, 1733, 1739, 1750, 1797, 1805, 1627, 1655, 1882-1883, 1697-1698, 1949, 1954, 2041, 2151, 2168, 2189, 2195-2196, 2315, 2319, 2323, 2421, 2444, 2459, 2481, 2496, 2538, 2554, 2684, 2713, 2726, 2800, 2819, 2867-2868, 2898, 2923, 2954, 2963, 3040, 3083, 3097, 3115, 3126, 3130, 3156, 3174, 3195, 3287, 3315-3316, 3316-3319, 3335, 3407, 3416, 3495, 3526, 3532, 3555, 3584, 3607, 3634, 3646, 3675-3676, 3689, 3703, 3739, 3785, 3806, 3813, 3852, 3895, 3917, 4006, 4021, 4024, 4069, 4079, 4083, 4103, 4136, 4148, 4200, 4258, 4345, 4351, 4365-4366, 4370, 4379, 4382, 4449
BONE AND BONES: 19, 26, 144, 169, 214, 230, 255, 292-293, 370, 382, 468, 481, 509, 549, 612, 614, 617, 637, 640, 666, 669, 687, 705-706, 739, 764, 796, 808, 642, 691, 901, 903, 907, 917, 932, 943, 1087, 1102, 1116, 1128, 1166, 1172, 1192, 1195, 1201, 1211, 1327, 1429, 1437, 1465, 1491, 1522, 1536, 1624, 1633, 1637, 1653-1654, 1689, 1734, 1792, 1823, 1673, 1962, 1969, 2045-2046, 2064, 2105, 2116, 2122, 2125, 2138, 2161, 2194, 2262, 2294, 2337, 2357, 2372, 2378, 2413, 2416, 2429, 2431, 2440, 2450, 2460, 2476, 2479, 2519, 2597, 2664, 2677, 2702, 2799, 2811, 2816, 2849, 2853, 2856, 2896, 2907, 2921, 2928, 2973, 2982, 2986, 2989, 3070, 3113, 3144, 3147, 3155, 3169, 3166, 3210, 3243, 3266, 3287, 3291, 3302, 3328, 3330, 3364, 3388, 3435, 3442, 3498, 3558, 3575, 3589, 3592-3593, 3597, 3629, 3653, 3735, 3752, 3762, 3836, 3888, 3893, 3897, 3922, 4020, 4110, 4117, 4214, 4295, 4406, 4416, 4443, 4452
BONE DEVELOPMENT: 103, 886, 917, 1327, 1536, 1637, 1654, 1969, 2138, 2262, 2783, 2792, 2799, 2856, 3070, 3144, 3207, 3302, 3364, 3629, 3836, 3961, 4020, 4208, 4347, 4445
BONE DISEASES: 21, 319, 413, 1128, 1134, 1172, 1327, 1421, 1493, 1644, 1792, 2045-2046, 2357, 2450, 2551, 2616, 2856, 3346, 3410, 3594, 3604, 3777, 3831, 3893, 4011, 4416
BONE DISEASES, DEVELOPMENTAL: 112, 1377, 2093, 2372, 3302, 3489, 3762, 3985, 4413
BONE MARROW: 29, 588, 1128, 1136, 2440, 2444, 2605, 2888-2889, 3442, 3655, 3868
BONE MARROW CELLS: 168, 285, 355, 780, 882, 1034, 1128, 1289, 1534, 1631, 2056, 2100, 2851, 3006, 3153, 3635, 3763, 4222, 4439
BONE MARROW DISEASES: 773
BONE MARROW EXAMINATION: 168, 2889, 2925, 3442

SUBJECT INDEX

BONE MATRIX: 26, 1067, 1993, 2138, 2597, 3420, 3527, 3546, 4020, 4208
BONE NAILS: 292-293
BONE NEOPLASMS: 801, 1709, 1772, 2045-2048, 2383, 2512, 2815, 2767, 3865, 3937, 4231, 4350, 4396
BONE PLATES: 292
BONE REGENERATION: 26, 293, 617, 1038, 1993, 2046, 3629
BONE RESORPTION: 26, 255, 640, 691, 1038, 1087, 1356, 1837, 1623, 2519, 2551, 2597, 2702, 2811, 2819, 2856, 2926, 3113, 3144, 3197, 3207, 3330, 3435, 3509, 3647, 4011, 4208, 4422
BONE SCREWS: 230
BONNEVIE-ULLRICH SYNDROME: 3180
BORATES: 2505
BORDETELLA PERTUSSIS: 2939
BOROHYDRIDES: 3304
BOSTON: 2391-2392
BRACHIAL PLEXUS: 4239
BRADYCARDIA: 1756, 1650
BRADYKININ: 395, 673, 696, 1092, 1537, 2281, 3227, 3244, 3342, 4259, 4343
BRAIN: 17, 40, 51, 68, 125, 172, 231, 256, 280-281, 306, 352, 409, 421, 447, 470, 529, 562, 632, 684, 692, 711, 722, 770, 787, 807, 668, 685, 933, 949, 951, 973, 1036, 1063, 1132, 1246, 1252, 1261, 1294, 1324, 1350-1351, 1364, 1371, 1400, 1406, 1415-1416, 1438, 1444, 1488, 1529, 1535, 1621, 1624, 1672-1674, 1736, 1739, 1761, 1803, 1814, 1834, 1650, 1660, 1924, 1941, 1948, 1981, 1973, 2135, 2140, 2167, 2249, 2260-2261, 2269, 2311, 2429, 2473, 2498, 2580, 2599, 2627, 2662, 2666, 2669, 2705, 2746, 2752, 2836, 2874, 2880, 2906, 2910, 2914, 2931, 2942, 2947, 2954, 2968, 2976, 3017-3019, 3029, 3052, 3194, 3319, 3387, 3383, 3436-3437, 3493, 3535, 3544, 3583-3564, 3571, 3885, 3667, 3681, 3758, 3772, 3779, 3811, 3815, 3816, 3839-3840, 3859, 3868, 3959-3960, 3964, 4096, 4100, 4115, 4177, 4216, 4279, 4302, 4316, 4343, 4362
BRAIN CHEMISTRY: 40, 109, 125, 244, 308, 409, 581, 708, 765, 807, 668, 685, 942, 1023, 1154, 1210, 1252, 1268, 1294, 1366, 1371, 1415, 1535, 1908, 2325, 2327, 2400, 2469, 2505, 2580, 2599, 2662, 2954, 2968, 2996, 3017, 3029, 3081, 3194, 3238, 3282, 3436-3437, 3493, 3865, 3816, 3839-3840, 3959-3960, 4012, 4110, 4151, 4307
BRAIN CONCUSSION: 155, 2558
BRAIN DAMAGE, CHRONIC: 16, 401
BRAIN DEATH: 2216
BRAIN DISEASES: 401, 1147, 1552, 1692, 1763, 2217, 2971, 3171, 3311, 3510, 3529, 3571, 3604, 3715, 4098, 4105, 4446
BRAIN EDEMA: 949, 1555, 2744, 3085, 3102, 3231, 3436, 3779
BRAIN INJURIES, ACUTE: 401, 1975, 2216-2217, 2498, 2935, 3231, 3529, 3571, 4205
BRAIN MAPPING: 607, 3402
BRAIN NEOPLASMS: 11, 139, 145, 193, 759, 1045, 1163, 1636, 1657, 1738, 1771, 1634, 1915, 2568, 2751, 2863, 2917, 2956, 3104, 3171, 3211, 3571, 3743, 3996, 4105
BRAIN STEM: 447, 711, 807, 1023, 1132, 1444, 1488, 2218, 2261, 2910, 2931, 3164, 3595
BRANCHIOMA: 2769
BREAD: 117
BREAST: 587, 760, 2454, 2809, 2789, 4193, 4259
BREAST DISEASES: 474, 2422, 2868, 3997
BREAST FEEDING: 508, 3204
BREAST NEOPLASMS: 165, 347, 398, 474, 536, 720, 638, 687, 913, 927, 1151, 1296, 1337, 1340, 1352, 1491, 1604, 1612, 1657, 1709, 1715, 1961, 1994, 2014, 2017, 2045, 2091, 2267, 2354, 2383, 2408, 2422, 2609, 2615, 2767, 2844, 3043, 3069, 3092, 3104, 3114, 3290, 3338, 3351, 3882, 3819, 3870, 4112, 4264, 4334, 4350, 4396, 4450
BREEDING: 521, 2195, 2209, 2323, 3115, 3516-3519, 3795, 4186
BRETYLIUM COMPOUNDS: 1243
BRIDGED COMPOUNDS: 1960
BROMIDES: 767, 2147, 3872
BROMINE: 152, 681, 628, 1590, 1720, 2364, 2749, 3651, 3823
BROMODEOXYURIDINE: 1635, 3472
BRONCHI: 22, 1230-1232, 1492, 2215, 2218, 3466, 3591, 4184, 4219
BRONCHIAL ARTERIES: 1231
BRONCHIAL DISEASES: 1379, 3877
BRONCHIAL FISTULA: 1738
BRONCHIAL NEOPLASMS: 43, 191, 709, 1542, 1563, 1659, 4398
BRONCHIAL SPASM: 928, 2347, 3296, 4084, 4378
BRONCHITIS: 226, 962, 1056, 1514, 1541, 1766, 2175, 3016, 4084
BRONCHODILATOR AGENTS: 22, 928, 1135, 1541, 2548, 3016, 3041, 3422, 4164
BRONCHOGRAPHY: 132
BRONCHOPNEUMONIA: 307, 499, 3248, 3694, 4441
BRONCHOSCOPY: 648, 1267, 1738, 3080
BROWN FAT: 1128
BRUCELLOSIS, BOVINE: 2980
BUFFALOES: 1392, 4323
BUFFERS: 356, 1040, 1539, 2236, 2369, 2505, 3034, 3271, 3458, 3565, 3873, 4045, 4272
BUFO ARENARUM: 394, 1119, 2934
BUFO BUFO: 1122, 3925
BUFO MARINUS: 3596
BUNDLE-BRANCH BLOCK: 1758, 3603
BUPIVACAINE: 1375
BURKITT'S LYMPHOMA: 2696, 3260, 3463, 3694, 4437
BURKITT'S LYMPHOMA VIRUS: 607
BURNS: 1097, 1460, 2247, 4062, 4385
BURNS, CHEMICAL: 3009
BURNS, ELECTRIC: 1261
BURSITIS: 756
BUSULFAN: 3441
BUTANES: 1572
BUTANONES: 2055
BUTTER: 4349
BUTYLAMINES: 2304
BUTYRATES: 223-224, 238, 541, 732, 1022, 1213, 1508, 1548, 1768, 2278, 2293, 2305, 2502, 2737, 2808, 3106, 3209, 3214, 3227, 3394, 3472, 3535, 3538, 3993, 4219, 4276, 4288, 4354
BUTYROPHENONES: 4404
C-REACTIVE PROTEIN: 4355
CACHEXIA: 1449, 3024
CADAVER: 114, 1134, 1309, 1448, 1454, 1489, 1517, 1573, 1823, 2603, 3323, 3724, 3994, 4454
CADMIUM: 1142, 1403, 1792, 2048, 4050-4051
CAFFEINE: 659, 1570, 1670, 2106, 2308, 3565, 3663, 3700
CALCANEUS: 1258, 1540
CALCIFICATION, PHYSIOLOGIC: 84, 144, 168, 658, 908, 917, 954, 1654, 1789, 1931, 2316, 2367, 2586, 2792, 2799, 2858, 2907, 2974, 3147, 3272, 3330, 3420, 3527, 3913, 3920, 4139, 4443
CALCINOSIS: 168, 213, 364, 463, 496, 518, 641, 748, 1037, 1529, 1993, 2086, 2298, 2395, 2766, 2896, 3132, 3330, 3540, 3546, 4180, 4380
CALCIPHYLAXIS: 748
CALCIUM: 21, 27, 33, 37, 51, 77, 103, 105, 138, 159, 163, 194, 221, 224, 238, 239, 311, 323, 335, 350-351, 370, 382, 422, 433, 457, 460, 473, 481, 494-495, 509, 535, 547, 612, 617, 640, 858-859, 669, 687, 782, 784, 787, 826, 830, 836, 843, 847, 659-860, 912, 917, 976, 1007, 1043, 1057, 1064-1065, 1090, 1102, 1140, 1144, 1152, 1192, 1247, 1268, 1271, 1307, 1341-1342, 1344, 1356, 1360, 1364, 1386, 1399, 1408, 1432-1433, 1446, 1488, 1494, 1516, 1525, 1529, 1540, 1554, 1604, 1607, 1853-1654, 1657, 1689, 1680, 1689, 1696, 1712, 1753, 1758, 1769, 1792, 1631, 1644, 1647, 1657, 1870, 1902, 1935, 1939-1940, 1975, 1989, 1995, 2049, 2096, 2122, 2158, 2221, 2256, 2262, 2277, 2280, 2282, 2308, 2314, 2316, 2330, 2337, 2357, 2367, 2370, 2375, 2395, 2399, 2402, 2413, 2432, 2447-2448, 2451, 2484, 2488, 2502, 2513, 2519, 2541, 2552-2553, 2558, 2591, 2606, 2614, 2616, 2635, 2644, 2655, 2692, 2899, 2703, 2749, 2763, 2777, 2768, 2792, 2800, 2819, 2831, 2853, 2856, 2860, 2885, 2891-2892, 2912, 2915, 2920, 2996-2997, 3032, 3054, 3056, 3084, 3094, 3101, 3106, 3113, 3147, 3155, 3162, 3169, 3192, 3201, 3207, 3232-3233, 3241, 3272, 3274, 3277, 3289, 3292, 3308, 3330, 3346, 3371, 3431, 3435, 3473, 3482, 3495-3498, 3565, 3570, 3597, 3612, 3625, 3665, 3684, 3695-3696, 3700, 3703, 3710, 3748, 3750, 3752, 3789, 3792, 3806, 3835, 3843, 3856, 3861, 3893, 3913, 3939, 3955, 3987, 4024, 4053-4054, 4057, 4086, 4119, 4122, 4132, 4135, 4138, 4169-4190, 4198, 4208, 4212, 4221-4222, 4226, 4233, 4237, 4243, 4265, 4280, 4284, 4294, 4368, 4387, 4443
CALCIUM CARBONATE: 704, 908, 1229
CALCIUM CHLORIDE: 50, 160, 2307, 2721, 3576, 3679, 3815, 4020, 4086, 4212
CALCIUM, DIETARY: 669, 1792, 2819, 2856, 3364, 3473, 3695, 3703, 4208, 4226, 4243
CALCIUM ISOTOPES: 138, 221, 433, 473, 481, 659, 689, 626, 1064, 1607, 1712, 1769, 1657, 2049, 2096, 2262, 2399, 2447-2448, 2644, 2699, 2763, 2792, 2831, 3101, 3201, 3291, 3346, 3565, 3695, 3710, 3806, 3856, 4122
CALCIUM METABOLISM DISORDERS: 2375, 2576, 2912, 3001, 3169, 4403
CALCIUM PHOSPHATES: 64, 908, 950, 1931, 2974, 3144, 3147
CALIFORNIA: 3348, 4438
CALLUS: 293, 1623, 2221, 2597, 4011
CANADA: 4277
CANARIES: 2175, 3009
CANDIDA: 1441
CANDIDA ALBICANS: 953, 2286
CANNABIS: 931, 1142, 2192, 2319, 4127, 4167
CAPILLARIES: 917, 1246, 1497, 1529, 2508, 2751, 2868, 4106
CAPILLARY PERMEABILITY: 685, 662, 1537, 2508, 3244, 4106
CAPILLARY RESISTANCE: 685
CAPROATES: 204, 215, 1642, 2565, 4267
CAPRYLATES: 3684
CAPSULES: 1916
CARBACHOL: 77, 529, 568, 1856, 3342
CARBAMATES: 1399, 1572, 2496, 2705, 3241
CARBAMAZEPINE: 1043
CARBAZOLES: 3919
CARBIMAZOLE: 543
CARBOHYDRATE ISOMERASES: 622, 663
CARBOHYDRATE METABOLISM, INBORN ERRORS: 2902, 4255, 4413
CARBOHYDRATES: 347, 703, 1368, 1560, 2572, 2772, 3002, 3140, 3382, 3427, 3476, 3781, 4158, 4287
CARBON: 936, 2725
CARBON DIOXIDE: 57, 238, 354, 387, 703, 659, 1147, 1194, 1213, 1290, 1324, 1685, 2061-2062, 2107, 2151, 2206, 2691, 2945, 2962, 3208, 3284, 3288, 3293, 3393, 3422, 3480, 3635, 3681, 3845, 4084
CARBON DISULFIDE: 629, 3981
CARBON ISOTOPES: 6, 32, 39, 74, 154, 165, 215, 238, 251, 331-332, 348-349, 354, 356, 447, 452, 513, 545, 567, 590, 616, 626, 631, 692, 711, 715, 628, 841, 858, 681, 696, 931-932, 945, 966, 973, 1008, 1013, 1026, 1031, 1052, 1055, 1063, 1119, 1131, 1152, 1157, 1174, 1192, 1213, 1223, 1228, 1249, 1287-1288, 1290, 1303, 1324, 1330, 1374, 1400, 1440, 1443, 1551, 1588, 1815, 1619, 1621, 1660, 1665, 1671, 1673, 1697-1696, 1703-1704, 1739, 1814, 1832, 1877, 1947, 1985-1986, 2006, 2020, 2049, 2061-2062, 2095, 2138, 2151-2153, 2193, 2204, 2206-2207, 2227, 2232, 2268, 2273, 2324-2325, 2346, 2385, 2400, 2402, 2481, 2497, 2538, 2541, 2573, 2596, 2608, 2611, 2617, 2652, 2691, 2731, 2737, 2740, 2750, 2779, 2794, 2829, 2836, 2873, 2862, 2904, 2913, 2918, 2945, 2947, 2954-2955, 2996, 3178, 3215, 3217, 3281, 3294, 3321, 3338, 3394, 3398, 3419, 3427, 3429, 3446, 3476, 3538, 3552, 3564, 3569, 3628, 3650, 3681, 3689, 3702, 3713, 3721, 3729, 3761, 3763, 3816, 3821, 3833, 3842, 3868, 3876, 3883-3884, 3898, 3946, 3982-3963, 4010, 4044, 4089, 4092-4093, 4113, 4134, 4163, 4194, 4220, 4225, 4276, 4279-4280, 4287, 4304, 4314, 4316, 4320
CARBON MONOXIDE: 659, 1143, 1649, 1676, 2426, 4010
CARBON MONOXIDE POISONING: 2543
CARBON TETRACHLORIDE: 755, 2365, 4010
CARBON TETRACHLORIDE POISONING: 1437, 2148, 2365
CARBONATES: 932, 1616, 3876
CARBONIC ANHYDRASE: 708, 828, 1769, 2109, 3272, 4173
CARBOXY-LYASES: 238, 1252, 1308, 2151, 2239, 2400, 3090, 3200, 3595, 3681, 3973, 4163, 4283
CARBOXYLIC ACIDS: 289, 1064, 1090, 2567, 3133, 3427, 3883, 4124
CARBOXYPEPTIDASES: 1046, 1609, 2227, 2866
CARCINOGENS: 708, 736, 764, 638, 649, 1565
CARCINOID TUMOR: 991, 1659, 2229, 2468
CARCINOMA: 43, 120, 426, 520, 585, 636, 764, 801, 860, 991, 1004, 1196, 1481, 1544, 1579, 1642, 1651, 1737, 1801, 1964, 2231, 2609, 2641, 2801, 2807, 2981, 3175, 3179, 3226, 3371, 3382, 3410, 3477, 3491, 3538, 3605, 3791, 3907, 4170, 4253, 4264, 4373, 4384, 4437

CARC1NOMA, BASAL CELL: 1519, 2022, 4145
CARC1NOMA, BASOSQUAMOUS: 1519
CARC1NOMA, BRONCHIOLAR: 709
CARC1NOMA, BRONCHOGENIC: 191, 709, 2547, 2883, 3077
CARC1NOMA, BROWN-PEARCE: 2051
CARC1NOMA, DUCTAL: 3043, 3338
CARC1NOMA, EHRLICH TUMOR: I53, 2918
CARC1NOMA, EP1DERMO1D: 191, 709, 1642, 1834, 2022, 2159, 2901, 2988, 3175, 3367, 3575, 3611, 3837, 4018, 4398
CARC1NOMA 1N S1TU: 520
CARC1NOMA, OAT CELL: 709, 2547, 2841
CARC1NOMA, PAP1LLARY: 425, 492, 838, 801, 3039, 3884, 4231, 4253
CARC1NOMA, SC1RRHOUS: 3338, 4132
CARC1NOMA, TRANSITIONAL CELL: 121, 339, 2159, 3819
CARC1NOMA 256, WALKER: 3382, 3791
CARDANOLIDES: 1051, 1607, 3026, 3855
CARD1A: 127
CARD1AC GLYCOS1DES: 1341, 2215, 3016, 3769
CARDIAC OUTPUT: 232, 390, 1143, 1273, 1461, I830, I780, I783, 2370, 2607, 2999, 3864, 3978, 4331
CARD1AC TAMPONADE: 287, 1526
CARDIAC VOLUME: I760
CARDIOVASCULAR DISEASES: 539, 723, 796, 859, 958, 1173, 1273, 1783, 2999, 3206
CARDIOVASCULAR SYSTEM: 1143, I237-1238, 1492, 2148, 2638, 3705, 4331
CARMUST1NE: 20I
CARNIVORA: 1248
CAROTENO1DS: 2289
CAROT1D ARTERIES: 196, 468, 1555, 2464, 3107, 3577, 3778, 3921, 4105, 4239
CAROTID ARTERY DISEASES: I96, 2090
CAROTID ARTERY, EXTERNAL: 3776
CAROTID ARTERY, INTERNAL: 198, 3776
CAROTID ARTERY THROMBOSIS: 3776
CAROT1D BODY: 1794, 2537, 2978
CARPAL TUNNEL SYNDROME: 1225, 2833, 3674
CARRAGEENAN: 2052, 2987, 3737
CARRIER PROTE1NS: 1488, 1901, 2014, 3135, 3754
CARRIER STATE: 3723
CART1LAGE: 19, 188, 255, 691, 954, 1418, 1520, 1832, I823, 1953, 2029, 3420, 3961
CARTILAGE, ART1CULAR: 112, 691, 758, 909, 1953, 3546, 3824, 4409
CART1LAGE DISEASES: 2202, 4295
CASE REPORT: 3, 112, I88, 321, 323, 355, 419, 583, 809, 819, 641, 655, 662, 697, 772, 1044, 1222, 1242, 1373, 1388, 1420, 1469, 1630, 1636, 1726, I743, 1748, 1759, 1772, 1888, 1928, 1984, 1993, 2008, 2025, 2128, 2188, 2200, 2314, 2346, 2360, 2597, 2800, 2843, 2647, 2854, 2859, 2852, 2926, 2949, 3010, 3087, 3085, 3179, 3245, 3281, 3405, 3477, 3482, 3530, 3608, 3809, 3811, 3883, 3685, 3733, 3758, 3803, 3865, 3966, 4022, 4073, 4157, 421I, 4248, 4380, 4382, 4418, 4439, 4441
CASE1N: 2088, 2142, 4083
CASTRAT1ON: 33-34, 92, 18I, 234, 308, 383, 453-454, 484, 572, 575-576, 580, 611, 644, 646, 850, 899, 724, 775, 779, 808, 814, 85I-852, 885, 872, 890, 90I, 972, 979-980, 985, 988, 990, 1039, 1083, 1180-1181, 1220, 124I, I250, 1330, 1428, 1539, 1709, I730, I732, 1761, 1796, 1799, 1816, 1884, 1918, 1924, 1963, 1982, 1988, 200I, 2021, 2031, 2078, 2142, 2148, 2198, 2254, 2258, 2271, 2297, 2318, 2449, 2470, 2487, 2508, 2547, 2565, 2839, 2878, 2706, 2716, 2718, 2720, 2832, 2839, 2983, 2972, 2979-2980, 3062, 3114, 3122, 3128-3127, 3181, 3198, 3225, 3306, 3351, 3357, 3361, 3366, 3404, 345I-3453, 3562, 36I9, 3787, 3796, 3869, 3874, 3880, 3905, 3912, 3917, 4000, 4023-4024, 4194, 420I, 42I6, 424I, 425I, 4305, 43II, 4333, 4438
CASTS, SURG1CAL: 2221
CATALASE: 567, 2528-2529, 4035
CATALEPSY: 2498, 40I2
CATALYS1S: 681, 2355, 2627
CATARACT: 49, 639, 925, 1012, 1134, 1339, 1748, 2093, 2996, 3278, 3678, 4123, 4145
CATARACT EXTRACTION: 742, 3678, 4I23
CATATONIA: 1276
CATECHOL: 280-28I, I228, I590, 2947, 4362
CATECHOL METHYLTRANSFERASE: 679, 2947, 4297
CATECHOLAMINES: I0I, I6I, I78, 190, 222, 358, 535, 595, 66I, 673, 692, 726, 769, 793, 807, 834, 1015, 1022, 1029, 1078, 1103, 1109, 1173, 1210, 1224, 1288, 1350, 1360, 1382, 1488, 1616, 1626, 1639, 1656, 1695, 1725, 1766, 1828, 1867, 1880, 1883, 1900, 1908, 1917, 1942-1943, 1990, 2157, 2241, 2243, 2327, 2377, 2398, 2465, 2486, 2530, 2569, 2726, 2748, 2779, 2885, 2899, 2931-2932, 2998, 3000, 3018, 3056, 3248, 3319, 3587, 3595, 3828, 3680, 3705, 3835, 3872, 3885, 3896, 3906, 4015, 4248, 4285, 4297, 4343, 4365
CATHART1CS: 2277
CATHEPS1N: 131, 685, 2790, 3722, 4048, 4129
CATHETERIZATION: 341, 373, 860, 2370, 2511, 2590, 2654, 2747, 2841, 3082, 3514, 4174, 4223
CATHOLIC1SM: 573
CAT1ONS, D1VALENT: 1697, 2243, 3386
CAT1ONS, MONOVALENT: 1364
CATS: 19, 40, 256, 267-269, 359, 486, 580, 627, 706, 778, 1035, I038, 1092, 1105, 1110, 1238, 1241, 1321, 1382, 1407, 1444, 1492, 1531, 1549, 1760, 1952, 2007, 2215, 2236, 2242, 2249, 2333, 2366, 2500, 2537, 2748, 2808, 2860-2861, 2942-2943, 3007, 3072, 3087, 3397, 3399, 3579, 3620, 3689-3691, 3700, 3760, 3789, 3954, 4075, 4127, 416I, 4235, 433I, 4343, 4438
CATTLE: 50, 68, 165, 290, 311, 382, 430-431, 448, 452, 50I, 512, 572, 632, 668, 694, 740, 757, 778, 822-823, 828, 877, 896, 903, 908, 950-951, 973, 1010, 1058, 1131, 1139-1140, 1142, 1248, 1271, I422, 1427, 1442, I452, 1567-1568, I671, 1704, 1718, I725, I774, 1776, 1862, 190I, 1922, 1926, 1953, 2000, 2003, 2029, 2047-2048, 2063, 2068, 2090, 2124, 2135, 2171, 2181, 2209, 2263-2264, 2295, 2302, 2337, 2363, 2367, 2385, 2402-2403, 2410, 2494, 2516, 2535, 2545, 2604, 2627, 2634, 2722, 2748, 2785, 2787, 2829, 2869, 2897, 2980, 3011, 3021, 3056, 3081, 3097-3098, 3133, 3149-3150, 3184, 3204, 3215, 3241, 3302, 3354, 3358, 3378, 3386, 3394, 341I, 3419, 3445, 3450, 3458, 3461, 3523, 3549-3550, 3558, 3569, 3589, 3624, 3646, 3681, 3684, 3730-3731, 3740, 3787, 3820, 3872, 3897, 3902-3903, 3923, 3950, 3980, 3982-3983, 3988, 4075, 4086, 4099, 4140-4141, 4185, 4204, 4215, 4237, 4252, 4254, 4260, 4275-4276, 4280, 4282, 4304, 4351-4352, 4356, 4448-4449
CATTLE DISEASES: 68, 1142, 1271, 1505, 2047, 2124, 2337, 2980, 3730, 3740, 3980, 4260
CAUCASIAN RACE: 291, 596, 1869, 2696, 2812, 3537
CAUDA EQUINA: 2429
CAUDATE NUCLEUS: 256, 447, 529, 1407, 1488, 1543, 1917, 2020, 2662, 3087
CAUTERY: 3228
CAVERNOUS SINUS: 2464, 3776
CECAL D1SEASES: 1994
CECUM: 1233, 3734
CELIAC ARTERY: 4264
CELIAC D1SEASE: 1835, 2775
CELL ADHES1ON: 1435
CELL AGGREGATION: 1563, 3413, 3566, 3642, 3961
CELL COUNT: 200, 368, 544, 1178, 1236, 1254, 1830, 1904, 2129, 2185, 2305, 2638, 2979, 3122, 3264, 3275, 3567, 3617, 3646, 3790, 3908
CELL DIFFERENTIATION: 285, 365, 368, 464, 478, 598, 707, 786, 835, 918, 954, 980, 1169, 1171, 1392, 1635, 1639, 1831, 1906, 2056, 2106, 2305, 2405, 2612, 296I, 2990, 3036, 3090, 3105, 3174, 3229, 3275, 3552, 3895, 4097, 4195, 4218, 4287, 4312
CELL D1VIS1ON: 92, 153, 195, 201, 324, 519, 541, 566, 579, 598, 849-850, 1074, 1127, 1477, 1642, 2106, 2164, 2305, 2676, 2712, 2719, 296I, 3043, 3074, 3157, 3214, 3264, 3312, 3499, 3535, 3552, 3592, 3607, 3908, 3927, 4221-4222, 4278, 4288, 4293, 4354
CELL FRACTIONATION: 982, 1287, 1539, 1887, 2295, 2657, 2895, 3198, 3241, 4016, 4051, 4119, 4284
CELL-FREE SYSTEM: 312, 896, 961, 1548, 1621, 1684, 1877, 27I9, 2721, 3141, 3460, 371I, 4301
CELL L1NE: 121, 153, 201, 541, 850, 878, 1074, 1435, I443, 1506, 2305, 2338, 3008, 3043, 3074, 3089, 3312, 3472, 3499, 3637, 3694, 3702, 3799, 3890, 3908, 3927, 4016, 4027, 4107, 4146, 4222, 4272, 4278, 4288, 4354
CELL MEMBRANE: 137, 195, 223, 343, 559, 694, 736, 782, 799, 816, 912, I175, I247, I285, 1287, I341, I386, I582, I617, I631, 1696, I809, I887, I959, 2057, 2165, 2171, 2178, 2234, 2242, 2407, 2425, 2768, 2838, 2958, 3027, 3046, 3105, 3157, 3379, 3409, 3413, 3544, 3744, 3799, 3829, 3888, 3925, 4086, 4106, 4184, 4234, 4275-4276, 4284
CELL MEMBRANE PERMEABILITY: 54, 422, 473, 826, 1007, 1386, 1396, 1646, 1696, 1706, 2241, 2273, 2324, 2448, 2614, 3108, 3835, 3955, 4314
CELL M1GRATION 1NHIBITION: 171, 989, 1094, 4166, 4240
CELL MOVEMENT: 177, 243, 350, 459, 478, 900, 1081, 1116, 1477, 1578, 1781, 1809, 1830, 2435, 2649, 3267
CELL NUCLEOLUS: 440, 1251, 1937, 2272, 2757, 3443, 3664, 3895
CELL NUCLEUS: 6, 20, 65, 74, 97, 243, 440, 515, 522, 598, 799, 918, 931, 1065, 1102, 1120, 1161, 1251, 1325, 1330, 1387, 1432, 1443, 1601, 1636, 1872, 1882, 1979, 1988, 1999, 2085, 2129, 2295, 2580, 2826, 2679, 2739, 2757, 2808, 2838, 2895, 2972, 2979, 3141, 3157, 3189, 3275, 3349, 3383, 3410, 3443, 3518-3519, 3596, 3605, 3664, 3681, 3829, 3886, 3895, 4008, 4051, 4089, 4137, 4294, 4302
CELL SEPARATION: 4057
CELL SURVIVAL: 201, 751, 1127, 1130, 2234, 2404, 2843, 3229, 4146
CELL TRANSFORMATION, NEOPLASTIC: 324, 340, 541, 850, 1435, 1642, 1831, 2025, 2106, 2848, 3008, 3043, 3065, 3089, 3472, 3702, 3763, 3927, 4222, 4311
CELL WALL: 3046, 3919, 4314
CELLOPHANE: 2072
CELLS: 97, 2534, 3463
CELLS, CULTURED: 58, 153, 193, 195, 312, 324, 365, 433, 635, 858, 1099, 1127, 1130, 1311, 1404, 1523, 1563, 1580, 1582, 1635, 1670, 1705, 2106, 2234, 2237, 2264, 2326, 2338, 2698, 2842-2843, 2888, 2918, 2936, 2939, 3006, 3052, 3060, 3213, 3239, 3394, 3499, 3535, 3552, 3635, 3637, 3650, 3700, 3702, 3790, 3961, 4057, 4221, 4312
CELLULAR 1NCLUSIONS: 65, 137, 304, 440, 843, 1053, 1794, 2085, 2272, 2341, 2374, 2407, 2537, 2613, 2979, 3018, 3463, 3518-3519, 3664, 3895, 3956, 4006
CELLULOSE: 985, 1306, 2725, 2768, 3034, 3210
CENTRAL NERVOUS SYSTEM: 854, 942, 1238, 1998, 2148, 2216-2217, 2274, 2469, 2513, 2787, 2855, 3002, 3407, 3547, 3689, 4113
CENTRAL NERVOUS SYSTEM DISEASES: 1476, 2216, 4030, 4105
CENTRAL VENOUS PRESSURE: 67, 101, II43, 1464, 1526, 1885, 3845
CENTRIFUGATION: 907, 3308, 3331, 3919, 3974
CENTR1FUGATION, DENSITY GRADIENT: 5-6, 99, 290, 349, 883, 896, 1106, 1539, 1601, 1725, 1924, 1986, 2029, 2056-2057, 2135, 2348, 2627, 2652, 2721, 2895, 2918, 2939, 2972, 3086, 3321, 3386, 3612, 3625, 3638, 3796, 4045-4046, 4049-4050, 4052, 4086, 4284
CENTRIFUGATION, ZONAL: 3923
CEPHAL1NS: 1022, 2256, 2958, 3194
CEPHALOMETRY: 220, 2041, 2102, 2168, 3252, 3875, 4056
CEPHALORID1NE: 1200, 2816
CERAMICS: 2799
CEREALS: 3097
CEREBELLAR CORTEX: 197, 464, 2473, 2773, 3174
CEREBELLAR D1SEASES: 4030
CEREBELLAR NUCLEI: 389, 1529, 1549, 2333
CEREBELLUM: 197, 42I, 447, 464, 1132, 1385, 1672, 2007, 2249, 2325, 2910, 3595, 3779, 4151
CEREBRAL ANGIOGRAPHY: 11, 1456, 1787, 2240, 2464, 3171, 3416, 3604, 4105, 4268, 4343
CEREBRAL ANOXIA: 4344
CEREBRAL AQUEDUCT: 1699
CEREBRAL ARTERIES: 1283, 1555, 2464, 2751, 3288, 3604
CEREBRAL ARTERIOSCLEROS1S: 1787, 2469
CEREBRAL ARTERIOVENOUS MALFORMATIONS: 2464
CEREBRAL ARTERY D1SEASES: 1787, 1854, 3416
CEREBRAL CORTEX: 40, 86, 360, 389, 421, 486, 802, 848, 854, 1023, 1063, 1157, 1287, 1332, 1488, 1529, 1543, 1555, 1672, 1753, 1784, 1867, 2140, 2216, 2249, 2261, 2325, 2498, 2653, 2662, 2909-2910, 2942, 2972, 2998, 3081, 3087, 3177, 3294, 3437, 3493, 3595, 3710, 3779, 3832, 3950, 41I9, 4174, 4216, 4289
CEREBRAL CORTEX DECORTICATION: 835
CEREBRAL EMBOLISM AND THROMBOS1S: I787, 4080, 4440

CEREBRAL HEMORRHAGE: 2129, 2663, 4080, 4440
CEREBRAL ISCHEMIA, TRANSIENT: 949, 4343, 4440
CEREBRAL PALSY: 1620, 2166, 4098
CEREBRAL VENTRICLE NEOPLASMS: 759, 1235, 1502, 2901
CEREBRAL VENTRICLES: 445, 447, 580, 1009, 1048, 1516, 1915, 2340, 2855, 2944, 3402, 3513, 3587, 3656, 3689, 3705, 4174
CEREBROSIDES: 229, 2269, 3194
CEREBROSPINAL FLUID: 2116, 3513, 3845
CEREBROSPINAL FLUID PROTEINS: 3250, 4128
CEREBROSPINAL FLUID SHUNTS: 642, 2901
CEREBROSPINAL RHINORRHEA: 1075, 4424
CEREBROVASCULAR CIRCULATION: 470, 1163, 1767, 1941, 2069, 2607, 3164, 3171, 3760, 3776
CEREBROVASCULAR DISORDERS: 392, 641, 967, 1529, 1555, 2663, 2701, 3406, 3416, 4080, 4268, 4428, 4440
CERULOPLASMIN: 960, 1445, 2364, 4446
CERVICAL PLEXUS: 2740
CERVICAL VERTEBRAE: 3164, 3281, 3674
CERVIX DISEASES: 520, 1336, 2602, 3742
CERVIX EROSION: 1648
CERVIX MUCUS: 676, 1161, 1336, 1761, 1630, 2838, 3063, 3267, 3600
CERVIX NEOPLASMS: 520, 927, 1337, 1642, 1923, 2040, 2128, 2176, 2231, 2383, 2602, 2704, 2810, 3175, 3290, 3742, 4398
CERVIX UTERI: 347, 462, 520, 820, 1161, 1171, 1227, 1448, 1630, 1669, 1923, 2019, 2065, 2164-2165, 2231, 2304, 2637, 2641, 2774, 3224, 3742, 4226, 4283
CESAREAN SECTION: 59, 212, 251, 488-489, 674, 2124, 2444, 2455, 3899
CESIUM: 1510
CESIUM ISOTOPES: 2667
CESTODA: 3316, 3329
CHALONES: 2961, 3001, 3363, 4216
CHARCOAL: 31, 1509, 1638, 2369, 3034, 3304, 4292
CHEDIAK-HIGASHI SYNDROME: 1856, 2851, 3644
CHEEK: 1381, 1742, 3637
CHELATING AGENTS: 1654, 2243, 2256, 3241, 4020, 4110, 4119, 4160
CHEMICAL INDUSTRY: 4065
CHEMISTRY: 13, 135, 289, 668, 677, 694, 764, 677, 1173, 1238, 1297, 1304, 1484, 1496, 1597, 1809, 1714, 1935, 2291, 2303, 2355, 2528-2529, 2545, 2952, 3033, 3350, 3439, 3621, 3919, 3957, 4112-4113, 4158, 4227, 4312, 4369, 4416
CHEMISTRY, ANALYTICAL: 1282, 3234, 3961
CHEMISTRY, CLINICAL: 591
CHEMISTRY, ORGANIC: 452, 1282, 1303, 3429
CHEMISTRY, PHYSICAL: 167, 691, 3291
CHEMORECEPTORS: 2537
CHEMOTAXIS: 1656
CHENODEOXYCHOLIC ACID: 346
CHIARI-FROMMEL SYNDROME: 366, 4068, 4335
CHICK EMBRYO: 19, 340, 1012, 1216, 1326, 1520-1521, 1580, 1632, 1704, 1750, 1852, 1868, 2185, 2700, 2976, 2963, 3035, 3060, 3147, 3223, 3868, 3981, 4057, 4076, 4117, 4151
CHICKENPOX: 517, 2026, 2359
CHICKENS: 98, 297, 340, 509, 515, 647, 658, 712, 788, 616, 955, 964, 1177, 1192, 1216, 1219, 1228, 1244, 1535, 1557, 1774, 1697, 2097, 2234, 2355, 2402, 2496, 2500, 2899, 2703, 2705, 2730, 2895, 2907, 2976, 3035, 3124, 3856, 3681, 4006, 4008, 4180, 4235, 4294, 4315, 4443
CHILD: 1, 21, 63, 75, 91, 103-104, 108, 112, 132, 140, 145, 173, 205, 213, 257, 262, 266, 275, 287, 302, 338, 371, 401, 403, 406-407, 435, 439, 442, 459, 490, 502, 517, 526, 533, 548, 552, 557, 568, 569, 592, 602, 609, 636, 652-653, 663, 672, 674, 891, 717, 734, 738, 748, 762-763, 605, 646, 661, 913, 952, 991, 996-997, 1000, 1004, 1014, 1024, 1080-1061, 1061, 1067, 1100, 1124, 1134, 1166, 1173, 1240, 1254, 1302, 1328-1329, 1334, 1342, 1379, 1385, 1390, 1396, 1403, 1407, 1413, 1426, 1445, 1447, 1449, 1453-1454, 1490, 1497, 1547, 1552, 1574, 1600, 1603-1604, 1614, 1620, 1622, 1686, 1694, 1713, 1723, 1728, 1734, 1747, 1752, 1756-1758, 1769-1770, 1766-1767, 1790, 1798, 1610, 1822, 1634, 1841, 1643, 1661, 1675, 1915, 1931, 1955, 1968, 1993-1994, 2010, 2022, 2024, 2026-2027, 2033, 2036, 2067, 2093, 2112, 2149, 2166, 2202, 2216, 2221, 2226, 2247, 2268, 2294, 2296, 2332, 2343-2344, 2359, 2361, 2368, 2375, 2387, 2389, 2393, 2406, 2416, 2445, 2451, 2476, 2476, 2509, 2511, 2543, 2566, 2568, 2588, 2593, 2595, 2620, 2647, 2655, 2659, 2664, 2871, 2673, 2681, 2688-2690, 2709-2710, 2766, 2789, 2775, 2786, 2798, 2806, 2810, 2853, 2876, 2896, 2902-2903, 2914, 2951, 2966, 2993, 3019, 3024, 3031, 3049, 3067, 3070, 3073, 3079, 3094, 3107, 3110, 3112, 3121, 3123, 3135, 3180, 3211, 3220, 3260, 3274, 3278, 3285-3287, 3293, 3299, 3315-3316, 3336, 3361, 3374, 3376, 3387, 3405-3406, 3416, 3423, 3455, 3457, 3466, 3468-3469, 3515, 3520, 3526, 3529, 3531, 3553, 3557, 3561, 3572, 3592-3593, 3602, 3606, 3627, 3643, 3694, 3715, 3723, 3752, 3776-3776, 3831, 3843, 3875-3876, 3889, 3918, 3920, 3929, 3937, 3963, 3976, 3976-3979, 3964-3965, 4003, 4009, 4011, 4014, 4017, 4019, 4061, 4066, 4095, 4097-4096, 4102, 4108, 4116, 4121, 4123, 4128, 4171, 4173, 4176, 4180, 4169, 4205, 4233, 4289, 4271, 4273-4274, 4277, 4296, 4313, 4316, 4347, 4360, 4386, 4416, 4423, 4437, 4452
CHILD ABUSE: 1166
CHILD BEHAVIOR: 1166
CHILD BEHAVIOR DISORDERS: 1270, 3529, 3715, 4360
CHILD CARE: 1166
CHILD DEVELOPMENT: 338, 642, 4274, 4296
CHILD DEVELOPMENT DEVIATIONS: 3604, 4360
CHILD HEALTH SERVICES: 2041
CHILD NUTRITION: 1000, 3473
CHILD, PRESCHOOL: 103-104, 108, 173, 213-214, 266, 287, 295, 302, 338, 403, 407, 435, 439, 490, 502, 508, 511, 526, 592, 652, 691, 734, 661, 999, 1042, 1060, 1087, 1134, 1211, 1240, 1254, 1281, 1302, 1328-1329, 1334, 1379, 1381, 1398, 1403, 1447, 1453-1454, 1476, 1490, 1497, 1502, 1519, 1547, 1574, 1603, 1614, 1622, 1644, 1688, 1728, 1756-1758, 1770, 1796, 1634, 1643, 1929, 1966, 2024, 2041, 2067, 2094, 2110, 2137, 2149, 2155, 2166, 2167, 2194, 2202, 2216, 2247, 2290, 2294, 2359-2361, 2368, 2393, 2396, 2404, 2451, 2476, 2476, 2485, 2509, 2543, 2568, 2588, 2655, 2871, 2681, 2685, 2690, 2709-2710, 2775, 2766, 2796, 2806, 2837, 2852, 2876, 2876, 2896, 2902, 3019, 3024, 3031, 3040, 3079, 3102-3103, 3106, 3220, 3243, 3274, 3285, 3293, 3299, 3361, 3406, 3468, 3502, 3529, 3557, 3561, 3643, 3688, 3694, 3723, 3747, 3768, 3776, 3843, 3887, 3889, 3920, 3937, 3963, 3965, 4019, 4066, 4074, 4097-4096, 4102, 4121, 4173, 4233, 4274, 4347, 4358, 4416, 4452
CHIMPANZEES: 1679, 3075
CHINA: 508, 1066
CHINCHILLAS: 4166
CHLORALOSE: 1531, 2636
CHLORAMBUCIL: 667, 1050, 1125, 1264, 1352, 1453, 1534, 3655
CHLORAMINES: 1597, 1956, 2121
CHLORAMPHENICOL: 559, 773, 684, 961, 1374, 1747, 2360, 3016
CHLORCYCLIZINE: 3060
CHLORDIAZEPOXIDE: 941, 1620, 2752, 3191-3192
CHLORIDES: 105, 346, 460, 706, 767, 1043, 1122, 1293, 1696, 1685, 2086, 2108, 2121, 2162, 2191, 2323-2324, 2502, 2513, 2858, 2920, 3032, 3277, 3373, 3451-3452, 3458, 3540, 3684, 3835, 3865, 3872, 3876, 3958, 3962, 4053-4054, 4233, 4302
CHLORINE: 152, 346, 1358, 1442, 1590, 1965, 2364, 4166
CHLORISONDAMINE: 3628, 3657
CHLORMADINONE: 402, 501, 1369, 1376, 1391, 2421, 3373, 4260, 4340
CHLORMERODRIN: 1447
CHLOROFORM: 1067, 3046, 4010, 4020
CHLOROMERCURIBENZOATES: 1146
P-CHLOROPHENYLALANINE: 281, 561, 1076, 1108, 1284, 1416, 2261, 2498, 2752, 3282, 3681
CHLOROPLASTS: 3141
CHLOROQUINE: 1012, 1264, 1765, 2633, 2714, 4410, 4416
CHLOROTRIANISENE: 1971
CHLORPROMAZINE: 40, 406, 451, 508, 640, 1351, 1407, 1415, 1751, 1991, 2192, 2196, 2299, 2496, 2988, 3191, 3804, 3841, 3951, 3959-3960, 4047, 4161, 4219, 4404
CHLORPROPAMIDE: 70, 1043, 2296, 2322, 2683, 2761, 3134, 4048
CHLORTETRACYCLINE: 1525
CHLORTHALIDONE: 608
CHOLANGIOGRAPHY: 2471
CHOLANGIOMA: 4264
CHOLANGITIS: 49, 4344
CHOLECALCIFEROL: 209, 350, 481, 763, 1419, 1653, 1689, 1935, 2541, 2734, 2853, 2912, 4160, 4190, 4243, 4403, 4423, 4443
CHOLECYSTECTOMY: 725
CHOLECYSTITIS: 581, 1058
CHOLECYSTOGRAPHY: 4257
CHOLECYSTOKININ: 1729, 2229, 4257
CHOLELITHIASIS: 518, 2471, 3088, 3198
CHOLERA: 1965, 2820
CHOLERA VACCINE: 2820
CHOLESTANES: 1496, 2729, 3651
CHOLESTASIS: 49, 435, 1052, 3196, 3409, 4431
CHOLESTENES: 1026, 1300, 2302
CHOLESTEROL: 6, 28-29, 62, 154, 207-208, 215, 225, 313, 347, 356-357, 414, 452, 568, 616, 749, 640, 940, 1013, 1026, 1057, 1068-1069, 1115, 1153, 1173, 1164, 1217, 1324, 1391, 1399, 1467, 1701, 1728, 1677, 1896, 1901, 1939-1940, 2015, 2023, 2090, 2168, 2302-2303, 2492, 2587, 2874, 2706, 2750, 2891, 3088, 3140, 3194-3195, 3429, 3452, 3494, 3525, 3645, 3731, 3763, 3843, 3919, 3927, 3942, 4024, 4044, 4078, 4156, 4252, 4323, 4338
CHOLESTEROL, DIETARY: 1217, 3170
CHOLESTYRAMINE: 4431
CHOLIC ACID: 2528, 3086, 3409
CHOLINE: 693, 2140, 2400, 3201, 3535, 3596, 4198
CHOLINERGIC NERVE ENDING DEPRESSANTS: 1243
CHOLINESTERASE: 1319, 1687, 1735, 1917, 2115, 2268, 2605, 2808, 3476
CHOLINESTERASE INHIBITORS: 683, 805, 1319, 4436
CHONDROBLASTOMA: 2072
CHONDROCALCINOSIS: 64, 2570, 2786, 2961, 4408
CHONDROITIN: 494-495, 2135, 4409
CHORDOTOMY: 919, 1120, 2116, 3807
CHOREA: 1466, 3423
CHOREA, HEREDITARY: 2166
CHORIOADENOMA: 2522, 4391
CHORIOCARCINOMA: 458, 1099, 1125, 1396, 1688, 1760, 1765, 1690, 2004, 2091, 2522, 3463, 3636, 3643, 3854, 3871, 3937, 3970, 4327, 4391
CHORISTOMA: 2155
CHOROID: 742, 900
CHOROID NEOPLASMS: 1634
CHOROID PLEXUS: 654, 1547, 2473, 4122
CHROMAFFIN SYSTEM: 176, 304, 311, 693, 831, 1126, 1224, 1725, 1937, 2148, 2229, 3412, 3574, 3802
CHROMATIDS: 3333
CHROMATIN: 243, 515, 522, 645, 766, 876, 1330, 1387, 2537, 2540, 2873
CHROMATOGRAPHY: 63, 131, 207, 211, 329, 331, 681, 710, 602, 907, 942, 950, 955, 966, 1077, 1082-1083, 1102, 1131, 1139, 1619, 1653, 1814, 1672, 2095, 2172, 2230, 2362, 2465, 2541, 2617, 2627, 2662, 2721, 2874, 2882, 3013, 3205, 3208, 3256, 3304, 3331, 3340, 3354, 3446, 3624, 3651, 3713, 3833, 3873, 3901, 3924, 3933, 3964, 3972, 4002, 4092-4093, 4152, 4314, 4369
CHROMATOGRAPHY, AFFINITY: 1077, 2627
CHROMATOGRAPHY, DEAE-CELLULOSE: 6, 51, 452, 716, 628, 950, 1148, 1249, 1440, 1697, 1760, 2006, 2242, 2630, 2657, 2866, 2906, 3138, 3376, 3386, 3625, 3796, 3815, 3964, 4049-4051
CHROMATOGRAPHY, GAS: 31, 154, 348, 427, 438, 629-630, 623, 940, 1052, 1067, 1070, 1082-1083, 1091, 1402, 1609, 1693, 1701, 1749, 1616, 1916, 2170, 2276, 2303, 2334, 2426, 2505, 2646, 2750, 2896, 3340, 3621, 3627, 3645, 3919, 3930-3931, 4076, 4141, 4286, 4303
CHROMATOGRAPHY, ION EXCHANGE: 628, 1014, 1031, 1046, 1119, 1632, 2029, 2227-2228, 2292, 2314, 2362, 2402, 2505, 2545, 2768, 2906, 2909, 3086, 3177, 3396, 3458, 3552, 3558, 3624, 3758, 3916, 3964, 3974, 3962, 4052, 4133
CHROMATOGRAPHY, PAPER: 154, 252, 331, 421, 427, 438, 631, 648, 628, 694, 955, 1014, 1046, 1055, 1119, 1157, 1249, 1402, 1703, 1708, 1666, 1926, 2653, 2977, 3281, 3304, 3708, 3721, 3816, 3823, 3982, 4046, 4076, 4093, 4133-4134, 4252, 4280, 4302
CHROMATOGRAPHY, THIN LAYER: 79, 154, 229, 242, 258, 348-349, 358-359, 427, 538, 618, 626, 631, 642, 648, 668, 708, 728, 608, 616, 641, 677, 694, 940, 965, 1022, 1026, 1031, 1055, 1082-1083, 1091, 1117, 1212, 1306, 1404, 1409, 1436, 1501, 1581, 1588, 1659, 1685, 1701, 1703, 1749, 1775, 1607, 2015, 2068, 2095, 2256, 2303, 2334, 2529, 2609, 2617, 2656, 2736, 2835, 2907, 3172, 3215, 3294, 3476, 3550, 3564, 3583, 3645, 3659, 3704,

3821, 3833, 3855, 3860, 3868, 3879, 3884, 3890-3891, 4040, 4044, 4078, 4091, 4112, 4192, 4250-4251, 4279, 4286, 4302
CHROMATOPHORES: 4059
CHROMIUM: 647, 877
CHROMIUM ISOTOPES: 122, 929, 1425, 1631, 1809, 2800, 3032, 3048, 3285, 3495-3496, 4130
CHROMOGRANINS: 311, 1725
CHROMOSOME ABERRATIONS: 48, 324, 326, 444, 805, 633, 638, 878, 886, 911, 996, 1017, 1193, 1272, 1362, 1664, 1723, 1795, 1841, 1895, 1976, 2080, 2259, 2384, 2411, 2536, 3008, 3038, 3137, 3212, 3381, 3391, 3486, 3592, 3616, 3661, 4107, 4298
CHROMOSOME ABNORMALITIES: 48, 443, 600, 805, 996, 1017, 1362, 1600, 1905, 2208, 2444, 2889, 3008, 3163, 3459, 3592, 3615-3617, 3985, 4341
CHROMOSOME MAPPING: 1895, 2755-2756, 3212, 4291
CHROMOSOMES: 366, 605, 635, 878, 1168, 1707, 2080, 2384, 2444, 2536, 2755-2756, 2889, 2940, 3178, 3333, 3614, 3753, 3875, 3881, 4293, 4353
CHROMOSOMES, HUMAN, 1-3: 633, 635
CHROMOSOMES, HUMAN, 6-12: 633, 635, 1251, 3024
CHROMOSOMES, HUMAN, 13-15: 633, 996, 1362, 1723, 1905, 3212, 3616
CHROMOSOMES, HUMAN, 16-18: 605, 635, 996, 1905
CHROMOSOMES, HUMAN, 21-22: 605, 633, 996, 1723, 1905, 3616
CHRONIC DISEASE: 13, 49, 64, 132, 320, 369, 435, 756, 772, 829, 891, 893, 962, 1071, 1147, 1182, 1221, 1273, 1514, 1541, 1571, 1757, 1793, 1835, 1875, 1891, 2048, 2108, 2116, 2168, 2288, 2345, 2390, 2557, 2690, 2723, 2870, 2925, 3169, 3377, 3440, 3480, 3669, 3718, 3802, 3979, 3990, 4003, 4005, 4084, 4109, 4267, 4269
CHYLOMICRONS: 225, 2343, 4204
CHYMOTRYPSIN: 689, 696, 1344, 1708, 2292, 2535, 2866, 3354, 3754, 3838, 4401
CICATRIX: 418, 1163, 1459
CILIA: 980, 2178, 2215, 2832, 3519, 4008
CILIARY BODY: 742, 900, 4106
CILIATA: 177
CINEANGIOGRAPHY: 1630, 2452
CINERADIOGRAPHY: 316, 1687
CINNAMATES: 184
CIRCADIAN RHYTHM: 181, 305, 384, 538, 631, 747-748, 917, 987, 1013, 1015, 1260, 1284, 1385, 1557, 1663, 1851, 1871, 1882, 1889, 2114, 2255, 2427, 2470, 2501, 2554, 2586, 2610, 2669, 2740, 2795, 2901, 3143, 3187, 3315, 3632, 3641, 3668, 3962, 3971, 4265, 4267, 4274
CIRCLE OF WILLIS: 1555, 3776
CIRCULAR DICHROISM: 1046-1047, 2955, 3706
CIRCUMCISION: 3892
CISTERNA MAGNA: 2429, 3689, 4343
CITRATE SYNTHASE: 2061-2062
CITRATES: 169, 1665, 2049, 2308, 2402, 2919, 3054, 3133, 3452
CITROVORUM FACTOR: 3545
CLAMS: 3272
CLEFT LIP: 1025, 1186, 1603
CLEFT PALATE: 79, 827, 959, 1025, 1186, 1377, 1803, 3243, 3411, 3532, 4295
CLIMACTERIC: 2182, 2441, 4094
CLIMATE: 1310, 2568
CLINICAL RESEARCH: 13, 17, 117, 147, 284, 564, 808, 887, 791, 899, 1178, 1227, 1786, 1788, 1861, 2127, 2186, 2345, 2394, 2396, 2443, 2632, 2723, 2769, 2798, 2841, 3251, 3485, 3941
CLITORIS: 3829, 4351
CLOACA: 1619
CLOFIBRATE: 46, 595, 1043, 1533, 2220, 2587, 3083, 4392
CLOMIPHENE: 219, 278, 444, 638, 785, 1178, 1212, 1353, 1722, 1781, 1957, 2149, 2489, 2781, 2919, 3083, 3324, 3910, 3949, 4088, 4456
CLONE CELLS: 121, 170, 324, 566, 1311, 1506, 1583, 1835, 1835, 2305, 3008, 3090, 3212, 3214, 3383, 4027, 4288
CLONIDINE: 919
CLOSTRIDIOPEPTIDASE A: 1418, 1548, 1670, 2029, 2068, 3213, 3501, 3757, 3909
CLOSTRIDIUM: 2111
CLOT RETRACTION: 3583, 4191
CLOTHING: 4153
CLOXACILLIN: 876
COBALT: 176, 187, 449, 722, 951, 1753, 2952
COBALT ISOTOPES: 61, 176, 307, 467, 1592, 1698, 1709, 2011, 2226, 2574, 2704, 2968, 3404, 3774, 4067
COCAINE: 807, 1364, 1383, 2884, 3700
COCCIDIOIDOMYCOSIS: 744, 1372
COCCYX: 1038
COCKROACHES: 2759
COENZYME A: 961, 2674, 2691, 3200
COENZYME A SYNTHETASES: 822-823, 3200
COENZYMES: 1300, 3366
COFFEE: 133
COGNITION: 3019
COGNITION DISORDERS: 4211
COITUS: 219, 227, 510, 972, 983-985, 2318, 2499, 2611, 2840, 3257, 3917, 4186
COLCHICINE: 177, 1705, 3239, 3798, 3890
COLD: 433, 506, 673, 726, 770, 1095, 1233, 1518, 1704, 1717, 1883, 1946, 2035, 2171, 2216-2217, 2382, 2770, 2803, 2962, 3744, 3814, 3901, 4291
COLECTOMY: 67, 114, 4398
COLIPHAGES: 883, 961, 2545
COLISTIN: 4357
COLITIS: 114, 833, 1056, 1529, 4068
COLITIS, ULCERATIVE: 725, 1269, 1385, 1657, 2067, 2480, 2601, 3400, 3421, 3802
COLLAGEN: 494-495, 658, 907, 1020, 1188, 1283, 1413, 1458, 1823, 2029, 2101, 2294, 2367, 2395, 2697, 2823, 2838, 2945, 3066, 3224, 3366, 3420, 3642, 3647, 3757, 3922, 3961, 4020, 4117, 4179
COLLAGEN DISEASES: 12, 314, 1160, 1752, 1768, 2714, 3674, 4003, 4413
COLLATERAL CIRCULATION: 1314, 1787, 2177, 4264
COLLOIDS: 936, 1511, 1617, 2206, 3483, 3518-3519
COLON: 67, 77, 114, 346, 535, 725, 743, 964, 1122, 1716, 1937, 2176, 2480, 2542, 3032, 3457, 3570, 3734, 4043, 4068, 4169, 4251
COLONIC DISEASES: 600, 1269, 1937, 2601, 3457
COLONIC NEOPLASMS: 120, 720, 1937, 1951, 1981, 2354, 2383, 2451, 3290, 3457, 3819, 4264
COLOR: 1640, 1807
COLOR BLINDNESS: 2454
COLOR PERCEPTION: 2581
COLORIMETRY: 591, 870, 965, 1437, 1764, 1637, 1866, 2337, 3015, 3621
COLOSTRUM: 2324
COMA: 45, 774, 946, 1657
COMB AND WATTLES: 1177
COMMON BILE DUCT: 94, 218
COMMON COLD: 482
COMMUNICABLE DISEASE CONTROL: 539
COMMUNICABLE DISEASES: 3933
COMMUNICATION: 2042, 4325
COMPARATIVE STUDY: 9, 13, 22, 110, 196, 220, 232, 241, 284, 317, 334, 475, 498, 568, 732, 792, 893, 995, 1008, 1020, 1040, 1184, 1264, 1333, 1387, 1450, 1492, 1503, 1534, 1608, 1614, 1654, 1711, 1786, 1861, 1983, 2058, 2060, 2065, 2077, 2203, 2394, 2405, 2567, 2603, 2683, 2723, 2769, 2798, 2817, 2936, 2975, 3021, 3064, 3068, 3146, 3160, 3181, 3378, 3451, 3497-3498, 3700, 3837, 3858, 3957, 3979, 4024, 4038, 4163, 4330, 4363
COMPLEMENT: 78, 93, 122, 736, 1050, 1097, 1627, 1856, 2161, 2247, 2870, 3478, 3625
COMPLEMENT FIXATION TESTS: 51, 78, 179, 1372, 1463, 1725, 1966, 2525, 2662, 3048, 3124, 3193, 3774
COMPOUND 48-80: 50, 862, 2716, 3288
COMPUTERS: 92, 605, 2431
COMPUTERS, ANALOG: 4218
COMPUTERS, DIGITAL: 2545, 3182
CONCANAVALIN A: 816, 3726, 3927
CONDIMENTS: 2086
CONDITIONING, CLASSICAL: 1407, 2075, 2274, 3087, 3282, 3547
CONDITIONING, OPERANT: 234, 866, 1164, 2075, 2274, 2366, 3087, 3185, 4167
CONDITIONING (PSYCHOLOGY): 267-288, 412, 1164, 1553
CONFLICT (PSYCHOLOGY): 1626, 4331
CONGO RED: 2300
CONGRESSES: 4184
CONJUNCTIVA: 1852, 2782
CONJUNCTIVITIS: 639, 1335, 3521, 4128
CONNECTICUT: 2602
CONNECTIVE TISSUE: 852, 1734, 1823, 1989, 2395, 2407, 2605, 3720, 3921, 4413
CONNECTIVE TISSUE CELLS: 20, 1392, 1735, 1989
CONSANGUINITY: 797, 1413, 2381, 2951
CONSCIOUSNESS: 2916
CONSTIPATION: 3009
CONSTRICTION: 609, 2607, 3131, 3251
CONTACT INHIBITION: 3312, 3927, 4354
CONTACT LENSES: 1279
CONTACT LENSES, HYDROPHILIC: 1279
CONTRACEPTION: 228, 573, 1944, 3202, 4277
CONTRACEPTIVE AGENTS: 1069, 1804, 2457, 2682, 2846, 3411, 3898, 4088, 4131, 4330
CONTRACEPTIVE DEVICES: 146, 1227, 1909, 1944, 2042, 2457, 2846, 3076, 3079, 4277
CONTRACEPTIVES, ORAL: 17, 140, 146, 219, 228, 240, 289, 298-299, 347, 361, 366, 402, 411, 443, 482, 500, 520, 536, 559, 564-565, 573, 731, 772, 795, 820, 838, 855-856, 876, 960, 1011, 1138, 1150, 1227, 1256, 1339, 1391, 1448, 1513, 1691, 1743, 1806, 1817-1818, 1854, 1864, 1669, 1881, 1909, 1923, 1944, 2023, 2042, 2117, 2131, 2246, 2302, 2391-2392, 2421, 2452, 2456-2457, 2552, 2602, 2624, 2633, 2637, 2641, 2650, 2710, 2760, 2815, 2822, 2846, 3030, 3076, 3079, 3092, 3140, 3190, 3196, 3268, 3280, 3309, 3362, 3484, 3500, 3534, 3600, 3626, 3674, 3699, 3742, 3759, 3770, 3863, 3914, 4072, 4080, 4131, 4153, 4158, 4202, 4258, 4268, 4277, 4281, 4283, 4314, 4340, 4364, 4377, 4379, 4395, 4399, 4425, 4428, 4431, 4440, 4444
CONTRACEPTIVES, POSTCOITAL: 920, 1238, 2134, 2637, 2960
CONTRAST MEDIA: 999, 1474, 1593, 1661, 3475, 4263
CONVULSIONS: 256, 323, 409, 722, 1163, 1620, 1753, 1803, 1850, 2194, 2398, 2556, 2685, 2772, 2969, 3162, 3191-3192, 3604, 3649, 3747, 4012, 4127
COOKING AND EATING UTENSILS: 903
COOMBS' TEST: 2187, 3301
COPPER: 25, 545, 1445, 2433, 2934, 3359, 3604, 4348, 4446
CORN: 501, 680, 1271
CORNEA: 3058, 3789, 4154
CORNEAL OPACITY: 842, 2012
CORNEAL ULCER: 1279
CORONARY CIRCULATION: 196, 390, 480, 1760, 2607
CORONARY DISEASE: 46, 313, 738, 796, 1173, 1469, 1593, 1595, 1616, 2343, 2452, 2587, 2999, 3170, 3401, 3500, 3938, 3978
CORONARY VESSELS: 390, 1578, 1646, 3170, 3431, 4106
CORPORA QUADRIGEMINA: 2662
CORPUS CALLOSUM: 2662
CORPUS LUTEUM: 102, 524, 571, 777, 799, 914, 1001, 1212, 1436, 1451, 1596, 1719, 1733, 1754, 1815, 1839, 1848, 2015, 2191, 2209, 2248, 2251, 2254, 2363, 2384, 2421, 2611, 2674, 2713, 2785, 2838, 2840, 2879, 3303, 3408, 3453, 3461, 3630, 3846-3847, 3857, 4106, 4250, 4328, 4351
CORPUS STRIATUM: 421, 1132, 1488, 2035, 2140, 2400, 2498, 2910, 2931, 3595, 3816, 4297
CORTICOSTERONE: 6, 14, 44-45, 351, 445, 506, 545, 582, 629-631, 673, 702, 710, 724, 778, 818, 839, 844-845, 897, 940, 992, 1051, 1106-1107, 1129, 1312, 1506, 1515, 1619, 1663, 1851, 1871, 1898-1899, 1908, 2013, 2255, 2274, 2297, 2327, 2554, 2698, 2788, 2842, 2897, 2977, 2983, 3020, 3143, 3213, 3222, 3306-3307, 3372, 3414, 3429, 3507-3508, 3538, 3569, 3584, 3588, 3646, 3672, 3842, 4055, 4092-4093, 4209, 4220, 4436
CORTICOTROPIN: 14, 43, 53, 55, 58, 82, 252, 265, 310, 351, 412, 452, 506, 589, 595, 611, 670, 672, 696, 710, 839, 897, 940, 948, 998, 1008, 1018, 1120, 1152, 1176, 1206, 1326, 1345, 1355, 1515, 1528, 1542, 1577, 1670, 1695, 1798, 1855, 1950, 1963, 1999, 2003, 2055, 2067, 2082, 2099, 2113, 2152, 2166, 2171, 2193, 2255, 2261, 2274, 2327, 2382, 2386, 2419, 2453, 2573, 2612, 2645-2646, 2660, 2685, 2698, 2743, 2754, 2788, 2795, 2842-2843, 2862, 2893-2894, 2897, 2916, 2932, 2961, 2977, 2982, 3020-3021, 3057, 3071, 3181-3182, 3208, 3213, 3222, 3235, 3258, 3351, 3508, 3525, 3538, 3568, 3619, 3657, 3663, 3668, 3696, 3704, 3844, 3869, 3890, 3916, 3928, 3942, 3979, 4003-4004, 4055, 4067, 4075-4076, 4092-4093, 4119, 4121, 4143, 4175-4176, 4179, 4220, 4267, 4290, 4312, 4384
CORTICOTROPIN RELEASING FACTOR: 415, 582, 1663, 2274, 2387, 2673, 3235, 3668, 4175
CORTISONE: 115, 122, 210, 251, 282, 287, 301, 307, 362, 548, 580, 594, 665, 710, 778, 904-905, 955, 969, 1081, 1102, 1186, 1229, 1259, 1312, 1333-1335, 1521, 1661, 1711, 1809, 1870, 1986,

2013, 2055, 2057, 2164, 2240, 2290, 2347, 2349-2350, 2404, 2568, 2621, 2645, 2647, 2707, 2717, 2885, 2903, 2933, 3043, 3136, 3385, 3396, 3429, 3469, 3521, 3546, 3671, 3704, 3771, 3838, 3884, 3949, 4130, 4172, 4249, 4311, 4401
COSTA RICA: 4325
COSTS AND COST ANALYSIS: 723, 1628, 1944
COTTONSEED: 2410
COUGH: 2825
COUMARINS: 1121, 1919
COUNSELING: 1011, 4277
COUNTERCURRENT DISTRIBUTION: 1055
CRABS: 2355, 2692
CRANIAL SINUSES: 3171
CRANIOFACIAL DYSOSTOSIS: 1449, 1571, 1822, 2521, 3875
CRANIOPHARYNGIOMA: 11, 139, 145, 205, 1235, 1834, 2588, 4102
CRANIOTOMY: 1456, 1502, 2060
CRAYFISH: 4232
CREATINE: 360, 551
CREATINE KINASE: 3560, 3803, 4002, 4233
CREATININE: 36, 151, 232, 334, 499, 761, 947, 1049, 1199, 1403, 1433, 1446, 1454, 1489, 1606, 1778, 2096, 2284, 2306, 2310, 2379, 2683, 2726, 2767, 3054, 3129, 3149, 3323, 3339, 3434, 3537, 3775, 4132, 4226
CRESOLS: 2749
CRETINISM: 225, 4061
CRIME: 3687
CRIMINAL PSYCHOLOGY: 935
CRIMINOLOGY: 2225
CRONOLONE: 903
CROP, AVIAN: 2705, 3009, 3365, 3584, 4147
CROSS INFECTION: 517, 2026, 2233
CROSS REACTIONS: 2, 305, 372, 985, 1040, 1245, 1559, 1925, 1926, 1953, 1956, 2402, 2480, 2869, 3146, 3253, 3358, 3704, 3810, 3842, 4052, 4292
CROSSES, GENETIC: 940, 2080, 2412, 2756, 3146, 3148, 3229, 3533, 3568, 3745, 4293
CROSSING OVER (GENETICS): 326, 633, 1995, 2384
CROTON OIL: 3737
CROWDING: 2762
CRUSTACEA: 1304, 4059
CRYING: 3892
CRYOGENIC SURGERY: 759, 1605, 2201, 4067
CRYOTHERAPY: 1, 263
CRYPTOCOCCUS NEOFORMANS: 143
CRYPTORCHISM: 123-124, 156, 173, 490, 653, 952, 999, 1025, 1193, 1220, 1571, 1603, 1929, 2001, 2010, 2024, 2041, 2199, 2671, 2681, 2791, 2980, 3123, 3190, 3389, 3613, 3889, 4050-4051, 4114
CRYSTALLIZATION: 618, 917, 1117, 1931, 2387, 2974, 3291, 3519-3519
CUES: 3282, 3698
CULEX: 157, 542
CULTURE: 2886
CULTURE MEDIA: 153, 221, 365, 843, 850, 1012, 1058, 1488, 1506, 1548, 1563, 1635, 2165, 2658, 2661, 2843, 3043, 3147, 3215, 3472, 3499, 3523, 3653, 3680, 3711, 3946, 4057, 4079, 4149, 4221, 4272, 4288
CURARE-LIKE AGENTS: 284, 643, 1170, 2798, 2872
CURETTAGE: 72, 475, 811-813, 2065, 2248, 2623, 4263
CURRENT BIOG-OBIT: 2066, 2174, 2250, 2458, 3254, 4289
CUSHING'S SYNDROME: 44, 100, 282, 319, 568, 934, 948, 1091, 1155, 1305, 1577, 1737, 1870, 1968, 2055, 2495, 2539, 2645, 2668, 2686, 3077, 3299, 3414, 3490, 3704, 3817, 3985, 4011, 4067, 4436
CUSPID: 3747
CUTIS LAXA: 4413
CYANATES: 2227, 3649
CYANIDES: 152, 545, 755, 1275, 1649, 2073, 2505, 2918, 2955, 3015, 3398, 3710, 3822, 4252
CYANOGEN BROMIDE: 1708, 3240, 3754, 4117
CYANOSIS: 4376
CYBERNETICS: 958
CYCLIC P-OXIDES: 1457
CYCLIZATION: 258, 3382, 3413
CYCLOFENIL: 4456
CYCLOHEXANE: 1666, 1960, 3949
CYCLOHEXIMIDE: 247, 343, 452, 1013, 1174, 1400, 1506, 1523, 1675, 1946, 1982, 1985, 2856, 3192, 3223, 3369, 3711, 3973, 4027, 4278
CYCLOPENTANE: 2448
CYCLOPHOSPHAMIDE: 113, 195, 266, 321, 344, 615-616, 674-675, 709, 967, 1093, 1333, 1445-1446, 1489, 1765, 1981, 2026-2027, 2058, 2081, 2111, 2126, 2283, 2306, 2350, 2354, 2393, 3068, 3071, 3260, 3285, 3332, 3369, 3412, 3643, 3655, 3724, 3737, 3763, 4129, 4441
CYCLOPROPANE: 703, 2993
CYCLOSTEROIDS: 3651
CYCLOSTOMES: 304
CYPRINIDAE: 1195, 1708, 1680, 2919, 4168
CYPROHEPTADINE: 551, 1109, 1209, 2897, 3000
CYPROTERONE: 397, 990, 1125, 2195, 2682, 2793, 3372, 3451-3452, 3459, 3562, 3824, 4207, 4340
CYSTADENOCARCINOMA: 328, 383, 2793, 4168
CYSTADENOMA: 613, 968, 2848
CYSTADENOMA, MUCINOUS: 489, 560, 4168
CYSTADENOMA, PAPILLARY: 720, 2036, 2848
CYSTAMINE: 1146, 4010
CYSTATHIONINE: 2239
CYSTEAMINE: 2088
CYSTEINE: 125, 131, 964, 1070, 2239, 2259, 2664, 2680, 3737, 4117
CYSTIC FIBROSIS: 1211, 3875-3876
CYSTINE: 925, 1404, 2031, 2451, 3688, 4162-4163
CYSTINOSIS: 1403, 3688
CYSTINURIA: 1907
CYSTITIS: 674, 3655, 4111
CYSTOSCOPY: 339, 1096, 3765
CYSTS: 2289, 2577, 2708, 2728, 3188, 3669, 4270
CYTARABINE: 517, 720, 1994, 2283, 2338, 3260, 3734
CYTIDINE: 979, 1295
CYTOCHALASIN B: 2234, 2435
CYTOCHROME C: 1275, 4236
CYTOCHROME OXIDASE: 1424, 1735, 2891, 2911, 3396, 4046, 4124
CYTOCHROME P-450: 452, 1026, 1649, 1901, 2302, 2877, 3060, 3223, 3297, 3409, 3429, 4010
CYTOCHROME REDUCTASES: 577, 1901, 3151, 3843, 4236
CYTOCHROMES: 152, 567, 3297
CYTODIAGNOSIS: 820, 1045, 1361, 2030, 2326, 2602, 3664
CYTOGENETICS: 170, 195, 1017, 1168, 1272, 1320, 1600, 1664, 1744, 1926, 1976, 3391, 3541, 3661, 4353, 4360
CYTOLOGICAL TECHNICS: 605, 1670, 2537, 2989, 3157, 3264, 3908, 4057
CYTOMEGALIC INCLUSION DISEASE: 307, 1200, 1316, 1969
CYTOMEGALOVIRUSES: 1989, 2733, 3339
CYTOPATHOGENIC EFFECT, VIRAL: 99, 4016
CYTOPLASM: 137, 428, 433, 473, 515, 654, 698, 751, 919, 1002, 1053, 1063, 1065, 1081, 1106, 1120, 1248, 1274, 1340, 1480, 1601, 1794, 1924, 1937, 1979, 2084-2085, 2178, 2295, 2468, 2764, 2838, 3283, 3349, 3536, 3554, 3638, 3835, 3886, 3923, 3925, 4106, 4244, 4352
CYTOPLASMIC GRANULES: 10, 53, 167, 223, 747, 751, 799, 835, 890, 1053, 1367, 1735, 2084, 2115, 2179, 2341, 2468, 2537, 2613, 2674, 2979, 3127, 3157, 3519-3519, 3836, 3906, 4002, 4008, 4082, 4294, 4326
CYTOPLASMIC STREAMING: 3829
CYTOSINE NUCLEOTIDES: 1440, 2204
CYTOSOL: 6, 85, 515, 1144, 1472, 1509, 1539, 1697, 2598, 2653, 2674, 2678-2679, 2895, 3198, 3379, 3796
CYTOTOXICITY TESTS, IMMUNOLOGIC: 78, 615, 736, 1099, 1489, 1631, 1909, 2056-2057, 3048, 3059, 3129, 3153, 3285, 3726, 3994, 4130
CZECHOSLOVAKIA: 622, 1113, 1498, 2689, 3049
DACTINOMYCIN: 189, 247, 265, 668, 800, 1290, 1359, 1523, 1677, 2004, 2234, 2642, 2856, 2913, 2919, 3060, 3192, 3366, 3937, 3946, 4278, 4422
DAIRY PRODUCTS: 2907
DAIRYING: 68, 1558, 1560
DAPSONE: 1253, 1868, 2959
DARK ADAPTATION: 3294
DARKNESS: 384, 843, 1177, 1557, 1682, 2669, 3109, 3143, 4008, 4089
DATA DISPLAY: 92
DAUNOMYCIN: 519, 1861, 1994, 3260
DDD: 1615, 2054-2055, 3223, 3414
DDT: 926
DE LANGE'S SYNDROME: 214
DEAF-MUTISM: 4074
DEAFNESS: 600, 794, 1377, 1528, 2118, 2859, 4313
DEALKYLATION: 931, 1565
DEAMINATION: 172, 1565, 2884
DEATH CERTIFICATES: 2301
DEATH, SUDDEN: 2633, 3041
DEBRIDEMENT: 719, 1329
DECALCIFICATION, PATHOLOGIC: 830, 3169
DECAMETHONIUM COMPOUNDS: 684
DECARBOXYLATION: 3595
DECEREBRATE STATE: 2218
DECIDUA: 1988, 2438, 3303, 3720, 3848
DECONTAMINATION: 3497-3498
DEFECATION: 2496
DEFENSE MECHANISMS: 1164, 2434
DEFICIENCY DISEASES: 738, 930, 1254, 1933, 2337, 2389, 2579, 2819, 3364, 3457, 3739, 4115, 4446
DEGLUTITION DISORDERS: 2011, 2896, 4336
DEHYDRATION: 2190, 2656, 2932, 3134, 3293, 3901, 4332
DEHYDROEPIANDROSTERONE: 95, 107, 253, 278, 331-332, 356, 432, 474, 513, 536, 587, 1073, 1369, 1615, 1684-1685, 1705, 1749, 2014, 2095, 2267, 2528, 2609, 2617, 2795, 2834-2835, 3036, 3351, 3407, 3476, 3827, 3869, 3878, 3833, 3851, 3884, 4314
DELAYED-ACTION PREPARATIONS: 1, 108, 418, 2552, 3175, 3425
DELIRIUM: 1276
DELIVERY: 8, 95, 558, 560, 809, 899, 2455, 3014, 3830, 4056
DEMETHYLCHLORTETRACYCLINE: 3913
DEMOGRAPHY: 1909, 2042, 3742
DEMYELINATION: 229, 4233
DENDRITES: 2106, 3174, 3954
DENERVATION: 294, 1038, 1189, 1332, 2562, 2748, 2884, 2904, 4139
DENMARK: 3778
DENSITOMETRY: 719, 907, 1038, 1429, 2023, 2351, 2702, 3365, 3877
DENSITOMETRY, X-RAY: 34, 1493, 2431, 2928
DENTAL CARIES: 141, 2049, 3747, 3777, 4368
DENTAL ENAMEL: 3913, 4368
DENTAL ENAMEL HYPOPLASIA: 3464, 3747
DENTAL PLAQUE: 141, 1931, 4368
DENTAL PULP: 2101, 4139
DENTAL PULP CALCIFICATION: 1018
DENTAL PULP GANGRENE: 4139
DENTIN: 908, 2553, 2586, 3913
DENTIN, SECONDARY: 2101, 4139
DENTISTS: 1201, 1522
DEODORANTS: 4153
DEOXYCHOLIC ACID: 1287, 2528, 3088, 4045
DEOXYRIBONUCLEASE: 1973, 3013, 3873
DEOXYRIBONUCLEOTIDES: 2545
DEOXYURIDINE: 1034, 4186
DEPRESSION: 4, 17, 564, 1164, 1434, 1569, 1827, 1991, 2182, 3118, 3992, 4281
DEPRESSION, CHEMICAL: 14, 50, 102, 108, 218, 248, 260, 343, 415, 611, 642, 732, 911-812, 916, 964, 1020, 1109, 1187, 1197, 1359, 1436, 1485, 1523, 1721, 1765, 1791, 1921, 1955, 1964, 2235, 2248, 2419, 2462, 2507, 2622, 2818, 2840, 2889, 2963, 3067, 3141, 3337, 3450-3452, 3528, 3555, 3566, 3722, 3750, 3842, 3915, 3973, 4075, 4092, 4134, 4144, 4192, 4243, 4303, 4333, 4364, 4427
DERMATITIS: 13, 1279, 1475, 3190, 3957, 4203
DERMATITIS, ATOPIC: 13, 2034, 2394
DERMATITIS, CONTACT: 13, 2394, 3957
DERMATITIS EXFOLIATIVA: 3609
DERMATITIS HERPETIFORMIS: 2437, 2557
DERMATITIS MEDICAMENTOSA: 552, 1024, 2557, 4426
DERMATOGLYPHICS: 296, 794, 996, 1320, 1395, 1755, 2521, 2951, 3220, 3528, 3593, 3875, 4318
DERMATOLOGIC AGENTS: 1504
DERMATOMYOSITIS: 12, 2896, 3061, 3330, 3803, 3986, 4358, 4411
DERMOID CYST: 581, 1190, 1398, 2917, 3611, 3765
DESENSITIZATION: 502, 1135, 1514, 2568, 2803
DESIPRAMINE: 765, 2877, 3748, 3750-3751
DESMOSOMES: 1853, 2272, 3518, 4106
DESOXYCORTICOSTERONE: 171, 282, 351, 629-631, 897, 1081, 1175, 1387, 2013, 2284, 2647, 2884, 2983, 3205, 3429, 3538, 3698, 3771, 4092-4093, 4187, 4220
DETERGENTS: 2768, 3815, 4153
DEUTERIUM: 357, 2447-2448, 2955, 3890
DEVELOPING COUNTRIES: 4325
DEXAMETHASONE: 107, 155, 171, 247, 263, 506, 523, 525, 693, 742, 958, 947, 949, 962, 1005, 1106-1107, 1279, 1328, 1335, 1345, 1355, 1373, 1439, 1502, 1505-1506, 1515, 1555, 1572, 1589, 1920, 2011, 2113, 2166, 2224, 2318, 2328, 2443,

2527, 2543, 2744, 2771, 3058, 3078, 3209, 3231, 3284, 3351, 3422, 3485-3467, 3531, 3568, 3584, 3832, 3898, 3704, 3737, 3779, 3818, 4016, 4401
DEXTRAN: 31, 832, 1528, 1799, 2052, 4292
DEXTRO AMPHETAMINE: 1331, 2922, 2992
DEXTROTHYROXINE: 313, 1992
DIABETES INSIPIDUS: 70, 108, 139, 145, 213, 712, 1043, 1089, 1222, 1288, 1476, 1533, 1578, 1748, 2298, 2322, 2761, 2788, 3134, 3598, 3878, 3940, 3983, 3989, 4048, 4105
DIABETES MELLITUS: 135, 352, 499, 548, 588, 713, 723, 857, 1015, 1109, 1388, 1393, 1838, 1891, 1903, 2088, 2198, 2229, 2250, 2442, 2818, 2825, 3030, 3078, 3140, 3323, 3502, 3525, 3623, 3709, 3834, 3923, 3987-3988, 4447
DIABETES MELLITUS, JUVENILE: 1748, 1984, 2343, 2510, 3983, 3985
DIABETIC ANGIOPATHIES: 885, 1388, 1838, 2950
DIABETIC COMA: 185, 2899, 3858, 3849
DIABETIC DIET: 2023
DIABETIC NEPHROPATHIES: 2618
DIABETIC NEUROPATHIES: 685, 1225, 1388, 1482, 3002
DIABETIC RETINOPATHY: 2950, 3764, 4104, 4392
DIAGNOSIS, COMPUTER ASSISTED: 441
DIAGNOSIS, DIFFERENTIAL: 84, 88, 129-130, 132, 139, 198, 208, 222, 235, 262, 275, 338, 380, 419, 441, 527, 533, 581, 809, 628, 636, 737, 833, 1068, 1166, 1205, 1215, 1220, 1225, 1305, 1335, 1346, 1431, 1483, 1545-1548, 1599, 1857, 1681, 1747, 1770, 1811, 1841, 1913, 1938, 1958, 2055, 2084, 2094, 2103, 2202, 2290, 2321, 2401, 2423, 2445, 2584, 2864, 2728, 2741, 2787, 2825, 2896, 2915, 3023, 3173, 3197, 3199, 3415, 3430, 3459, 3477, 3508, 3580, 3873, 3787, 3803, 3836, 3865, 3986, 3991, 4028, 4031, 4084, 4289-4270, 4295, 4383, 4398-4397, 4418, 4424, 4439
DIAGNOSIS, LABORATORY: 4383
DIAGNOSTIC ERRORS: 404, 1770, 1772, 2411, 2624, 3004, 3852, 3867
DIAGNOSTIC SERVICES: 622
DIALYSIS: 171, 825, 841, 1422, 1539, 1931, 2081, 2380, 2721, 3124, 3354, 4093, 4220
DIAPER RASH: 4028
DIAPHRAGM: 400, 832, 885, 1106, 2037, 2258, 2282, 2810, 2943
DIAPHRAGMATIC HERNIA, TRAUMATIC: 1526
DIARRHEA: 114, 346, 791, 2321, 2822, 2868, 3009, 3032, 3395, 3818
DIATHERMY: 1270
DIATHESIS: 2745
DIATRIZOATE: 151, 939, 1573
DIAZEPAM: 589, 1820, 1877, 1952, 1991, 2098, 2752, 3191-3192, 4181, 4228
DIAZOMETHANE: 2278
DIAZONIUM COMPOUNDS: 3213
DIAZOOXONORLEUCINE: 3983
DIAZOXIDE: 919, 2308, 2448, 2902, 3134
DIBENAMINE: 2829
DIBENZOXAZEPINES: 973
DIBENZOXEPINS: 4012, 4181
DIBUCAINE: 3058
DICARBOXYLIC ACIDS: 40, 3200
DICHLOROISOPROTERENOL: 2715
DICTIONARIES, MEDICAL: 4032
DIENCEPHALON: 342, 360, 486, 848, 1248, 1502, 1549, 1899, 1970, 2139, 2441, 2469, 3035, 3369, 3827-3828, 3898, 4105, 4248
DIET: 15, 33, 80, 117, 191, 350, 580, 800, 881, 903, 1000, 1030, 1049, 1051, 1090, 1217, 1633, 1739, 1792, 1899, 1949, 2105, 2323, 2351, 2422, 2579, 2855, 2869, 2703, 2819, 2911, 3115, 3418, 3861, 3947, 4083, 4208, 4228, 4304, 4320-4321, 4370
DIET, ATHEROGENIC: 640, 1217, 1399, 1821, 2492
DIET, REDUCING: 117, 1000, 1434, 1589, 2189, 3040, 3878, 4079, 4382, 4430
DIET, SALT-FREE: 384, 995, 2575, 2685, 3055, 4178
DIET THERAPY: 503, 1269, 1655, 1692, 2124, 2417, 2578, 2587, 2775, 2970, 3947
DIETARY CARBOHYDRATES: 1553, 2475, 3097
DIETARY FATS: 738, 1153, 1217, 1399, 1779, 1821, 2475, 3418, 3783, 4115, 4349, 4395
DIETARY PROTEINS: 117, 389, 430-431, 508, 1832, 1899, 2189, 2578, 3097, 3136, 3473, 3510
DIETETICS: 3947
DIETHYLCARBAMAZINE: 2825
DIETHYLSTILBESTROL: 221, 260, 289, 417, 625, 745, 884, 1006, 1354, 1509, 1849, 1964, 2070, 2134, 2223, 2424, 2719, 2730, 3451-3452, 3494, 3671, 3829, 4164, 4303
DIFFUSION: 1062, 1504, 2831, 3015, 3291, 4330
DIGESTIVE SYSTEM: 2229
DIGITALIS GLYCOSIDES: 302, 559, 946, 963, 1758, 1992, 2868, 3103
DIGITONIN: 3681
DIGITOXIN: 1341, 3026
DIGOXIN: 1306, 1341, 3026
DIHYDROTACHYSTEROL: 330, 2086, 3292
DIHYDROXYCHOLECALCIFEROLS: 1102, 2541, 2853, 4403
DIHYDROXYPROGESTERONE: 2785
DIIODOTYROSINE: 1030, 2028, 2207, 2784, 3901, 4134
DILATATION: 246, 475, 758, 811-813, 1267, 1982, 2248, 2601, 2623, 4263, 4331
DIMERCAPROL: 2369
DIMETHISTERONE: 2421, 3030
DIMETHYL SULFOXIDE: 418, 3620
DIMETHYLAMINES: 342, 1103, 3161, 4450
DIMETHYLAMINOAZOBENZENE: 365
DIMETHYLTRYPTAMINE: 1400
DINITROPHENOLS: 473, 1597, 1677, 2293, 2918, 3883
DIOXINS: 1263
DIOXOLES: 389
DIPHENHYDRAMINE: 1277
DIPHENOL OXIDASES: 2529, 4278
DIPHENYLHYDANTOIN: 506, 687, 1984, 2096, 2296, 2398, 2572, 3002, 3191-3192, 3231, 3512, 3609, 3665, 3709, 4043
DIPLOCOCCUS PNEUMONIAE: 4339
DIPLOIDY: 121, 2080, 3008, 3541, 3877, 4146, 4353
DIPLOPIA: 3423
DIPTERA: 1168
DIPYRIDAMOLE: 832, 1531
DISABILITY EVALUATION: 254, 2556, 4210
DISARTICULATION: 1536
DISCRIMINATION: 3282
DISCRIMINATION LEARNING: 3698
DISEASE: 302
DISEASE MODELS, ANIMAL: 33, 62, 135, 193, 352, 434, 457, 702, 959, 1005, 1590, 1784, 1998, 2719, 3088, 3170, 3682, 3779, 3922, 4127
DISEASE OUTBREAKS: 3825, 4128
DISEASE RESERVOIRS: 1113, 2579, 3777
DISEASES IN TWINS: 128, 203, 278, 678, 1270, 2445, 3242, 3285, 3464, 3696, 3875, 4388
DISGERMINOMA: 120, 322, 458, 968, 1004, 1220, 1912, 2040, 2072, 2159, 2272, 2312, 2574, 2689, 2810, 2875, 2917, 3281, 3404, 3526, 3643, 3900, 4009, 4031
DISLOCATIONS: 1465
DISODIUM CROMOGLYCATE: 502, 1029, 1135, 1845, 2987, 3001, 3422
DISSECTION: 569
DISSEMINATED INTRAVASCULAR COAGULATION: 260, 278, 1273, 1547, 1574, 1990, 2623, 3817
DISULFIDES: 896, 1404, 1440, 3737
DISULFIRAM: 848
DITHIOTHREITOL: 243, 261
DIURESIS: 70, 108, 194, 310, 606, 712, 1238, 1489, 1533, 1885, 2077, 2119, 2296, 2683, 2761, 2855, 3134, 3953, 3969, 3971, 4265
DIURETICS: 135, 302, 499, 963, 1783, 1921, 1992, 2108, 2315, 2578, 3016, 3971, 4132
DIURETICS, MERCURIAL: 1921, 3241, 3398
DIVERTICULITIS, COLONIC: 725
DIVORCE: 3715
DNA: 327, 349-350, 368, 393, 430, 494-495, 566, 598, 605, 623, 635, 668, 708, 822, 851-852, 878, 882, 916, 1078, 1132, 1251, 1330, 1406, 1477, 1642, 1802, 1914, 2006, 2138, 2237, 2301, 2349, 2424, 2490, 2507, 2540, 2544-2545, 2609, 2642, 2658, 2676, 2873, 2954, 2961, 3048, 3127, 3157, 3193, 3239, 3499, 3503, 3607, 3675, 3719, 3726, 3739, 3754, 3771, 3796, 3873, 3927, 4124, 4140, 4221-4222, 4261, 4315, 4339
DNA, BACTERIAL: 883, 2545, 4301
DNA, MITOCHONDRIAL: 1986
DNA, NEOPLASM: 121, 175, 265, 385, 2305, 3877, 3908, 4278
DNA NUCLEOTIDYL- TRANSFERASES: 175, 1181, 1601
DNA REPLICATION: 265, 393, 1500, 2961, 4230
DNA, VIRAL: 883, 961, 2545, 3702, 4354
DNA VIRUSES: 961
DOG DISEASES: 1475, 3255, 3414, 4224
DOGS: 19, 27, 36-37, 57, 66-67, 93, 169, 190, 230, 236, 292-293, 344, 390, 471, 481, 493-495, 521, 588, 615-616, 689, 694, 729, 732, 758, 778, 784, 824, 864, 889, 976, 1041, 1129, 1164, 1189, 1230-1232, 1238, 1241, 1248, 1255, 1288, 1314, 1360, 1387, 1407, 1410-1411, 1430, 1444, 1450, 1457, 1475, 1551, 1568, 1616, 1626, 1646, 1662, 1687, 1698, 1704, 1805, 1886, 1896, 1903, 1939-1940, 1975, 2054, 2077, 2101, 2107, 2121, 2143, 2148, 2163, 2215, 2235, 2243, 2284, 2307, 2377, 2429, 2462, 2496, 2559, 2575, 2586, 2591, 2622, 2665, 2715, 2749, 2753, 2763, 2774, 2779, 2794, 2799, 2866, 2884, 2962, 2965, 3075, 3108, 3153, 3170, 3195, 3250, 3255, 3266, 3365, 3372, 3407, 3411, 3414, 3437, 3444, 3451-3452, 3527-3528, 3620, 3690-3691, 3705, 3722, 3725, 3783, 3809, 3827-3828, 3841, 3943, 3958, 4012, 4040, 4043, 4071, 4075-4076, 4112-4113, 4139, 4224, 4259, 4276, 4300, 4308, 4317, 4331, 4343, 4351, 4438
DOPA: 280-281, 359, 451, 527, 603, 692, 868, 942, 1132, 1209-1210, 1252, 1308, 1438, 1490, 1626, 1674, 1783, 2184, 2186, 2385, 2530, 2615, 2968, 3118, 3259, 3384, 3818, 3826, 3951, 4008, 4088, 4183, 4248, 4335
DOPA DECARBOXYLASE: 409, 868, 1132, 1209, 1438, 2400, 2968, 3595, 4373
DOPAMINE: 280-281, 315, 409, 447, 603, 711, 722, 765, 793, 942, 1023, 1132, 1209-1210, 1268, 1415-1416, 1438, 1466, 1488, 1535, 1803, 1814, 1880, 1908, 1961, 1992, 2035, 2184, 2186, 2260, 2327, 2385, 2388, 2465, 2498, 2505, 2752, 2759, 2826, 2885, 2908, 2910, 2968, 2978, 3086, 3657, 3818, 3826, 4119, 4262, 4285, 4297, 4362
DOPAMINE BETA HYDROXYLASE: 1210, 1224, 1288, 1725, 1867, 1946, 2192-2193, 3628, 3758
DOSAGE FORMS: 1504, 3421
DOSE-RESPONSE RELATIONSHIP, DRUG: 40, 72, 79, 108, 246, 260, 329, 337, 372, 451, 475, 506, 562, 570, 647, 721, 791, 814, 816, 879, 898, 913, 936, 986, 1047, 1051, 1090, 1144, 1152, 1259, 1262, 1284, 1334, 1365, 1382, 1410, 1450, 1475, 1490, 1515, 1538, 1550, 1624, 1629, 1669, 1705, 1751, 1791, 1952, 1982, 2002, 2035, 2135, 2141, 2213, 2232, 2239, 2253, 2256, 2273, 2280, 2283, 2393, 2456, 2459, 2698, 2707, 2715, 2763, 2857, 2897, 2909, 2941, 2965, 2975, 3021, 3056, 3160, 3182-3183, 3223, 3259, 3262, 3271, 3283, 3289, 3296-3297, 3366, 3394, 3407, 3417, 3425, 3431, 3450, 3508, 3513, 3566, 3618, 3642, 3665, 3700, 3711, 3758, 3772, 3789, 3813, 3858, 3914-3915, 3924, 4109, 4112, 4148, 4160, 4167, 4177, 4182, 4216, 4223, 4263, 4304, 4316, 4447
DOSE-RESPONSE RELATIONSHIP, RADIATION: 71, 1280, 2088, 2940, 3504, 3575
DOXYCYCLINE: 901, 1336
DRAINAGE: 1694, 1738, 3674
DRINKING: 384, 798, 1048, 2366
DRINKING BEHAVIOR: 294, 384, 529, 614, 1172, 1331, 1626, 2366, 4167
DRIVE: 1407
DROSOPHILA: 393, 2756, 3137, 3661, 4291
DROSOPHILA MELANOGASTER: 393, 597, 1500, 1826, 1895, 2371, 2490, 2940, 3229, 3533, 3950, 4293
DRUG ABUSE: 552, 935, 2039, 4310
DRUG ADDICTION: 935, 1569, 2668, 3687, 4167
DRUG ADULTERATION: 3358
DRUG AND NARCOTIC CONTROL: 146
DRUG ANTAGONISM: 2489, 4314
DRUG COMBINATIONS: 402, 418, 558, 568, 1020, 1024, 1036, 1328, 1608, 1652, 1724, 1781, 1941, 1965, 2096, 2101, 2259, 2345, 2376, 2432, 2769, 2778, 3054, 3089, 3131, 3260, 3465, 3467, 3522, 3852, 3858, 3915, 3958, 4017, 4148, 4158, 4202, 4267
DRUG COMPOUNDING: 416
DRUG HYPERSENSITIVITY: 832, 1208, 1347, 1752, 2742, 3609, 3777, 3834, 4153
DRUG INCOMPATIBILITY: 1819
DRUG INTERACTIONS: 37, 248, 280-281, 451, 936, 1069, 1252, 1399, 1415, 1642, 1674, 1791, 1819, 2238, 2280, 2572, 3050, 3056, 3131, 3259, 3366, 3484, 3598, 3618, 3628, 3804, 3932, 3959
DRUG RESISTANCE: 156, 913, 3292, 4107, 4230
DRUG RESISTANCE, MICROBIAL: 1958, 2288, 2959, 3131
DRUG STABILITY: 668, 896, 950, 1101, 1422, 2278, 3013, 3015, 3814, 4064
DRUG SYNERGISM: 50, 77, 177, 238, 561, 608, 642, 674, 816, 829, 899, 913, 936, 1036, 1213,

1275, 1277, 1331, 1333, 1453, 1534, 1870, 1677, 1698, 1981, 1995, 2003, 2028, 2306, 2393, 2396, 2463, 2489, 2806, 2933, 2937-2938, 2962, 3021, 3081, 3175, 3259, 3292, 3296, 3307, 3517, 3559, 3586, 3726, 3607, 3813, 4055, 4220, 4314, 4404
DRUG THERAPY: 147, 539, 856, 1029, 1058, 1286, 2354, 2709, 3406, 3940, 4249, 4281
DRUG TOLERANCE: 13, 15, 475, 1076, 1674-1675, 2035, 2667, 2922, 4162, 4307
DRUG UTILIZATION: 302
DRUG WITHDRAWAL SYMPTOMS: 1353, 1675, 2388, 2868, 2841, 2667, 4174
DRUGS: 931, 1565, 1819, 2710
DTPA: 3497-3496
DUCKS: 631, 1619, 1818, 2187, 3294, 4008
DUCTUS ARTERIOSUS, PATENT: 1798
DUMPING SYNDROME: 41, 2148, 4420
DUODENAL DISEASES: 3377
DUODENAL NEOPLASMS: 1771
DUODENAL ULCER: 725, 1675, 2032, 3377, 3990
DUODENUM: 350, 1097, 1259, 1344, 1853, 1750, 2236, 2544, 2699, 2789, 2828, 2831, 4099, 4160
DURA MATER: 11
DWARFISM: 112, 797, 1377, 1552, 1571, 1622, 1858, 2093, 2202, 2521, 2791, 2951, 3024, 3261, 3386, 3405, 3459, 3685, 3875, 4295, 4318
DWARFISM, PITUITARY: 128, 1205, 1773, 2673, 3073, 3322, 3338, 3985, 4148, 4274, 4454
DYE DILUTION TECHNIC: 1143
DYES: 662, 1103, 1798, 2749, 4175
DYSCHONDROPLASIA: 2202
DYSPAREUNIA: 4024
DYSPNEA: 235, 387, 2966, 4064
DYSTONIA MUSCULORUM DEFORMANS: 1466
EAR: 1996
EAR, EXTERNAL: 911, 1163
EAR NEOPLASMS: 1610
EAR OSSICLES: 2859
EATING: 796, 1331, 1444, 2475, 2923, 3634, 3656, 4167
ECDYSONE: 1658, 1914, 2278, 3137, 3851
ECHINOCOCCOSIS: 2659
ECHINODERMATA: 127
ECHO VIRUS INFECTIONS: 3025
ECHO VIRUSES: 3025
ECHOCARDIOGRAPHY: 2102
ECHOENCEPHALOGRAPHY: 309, 420
ECHOTHIOPHATE IODIDE: 4245
ECLAMPSIA: 119, 3014
ECOLOGY: 903
ECONOMICS: 68
ECTROMELIA: 1824
ECTROMELIA VIRUS: 99
ECZEMA: 13, 1024, 1459, 2376, 2394, 2406, 2769
EDEMA: 414, 591, 667, 742, 963, 1120, 1190, 1206, 1214, 1393, 1545, 2011, 2315, 2506, 2776, 2896, 3725, 3737, 3926
EDENTATA: 1996
EDROPHONIUM CHLORIDE: 3305, 3803
EDTA: 1563, 1665, 1710, 1760, 1901, 2823, 3225, 3612, 3974, 4002, 4010, 4020, 4212
EDUCATION, MEDICAL, GRADUATE: 3168
EDUCATION, MEDICAL, UNDERGRADUATE: 1268, 3940
EDUCATIONAL MEASUREMENT: 1286, 3940
EDUCATIONAL STATUS: 573, 1817, 2421
EELS: 266
EGG WHITE: 1775, 2097, 2913
EGGS: 1557, 4008
EGO: 375
EGYPT: 1682, 4169
EHLERS-DANLOS SYNDROME: 4413
EJACULATION: 243, 1209, 3680, 3917
EJACULATORY DUCTS: 7, 476, 528, 1096
ELASTIC TISSUE: 1823, 2677, 3060, 3170
ELASTICITY: 621, 2161, 2799, 2921, 3589, 4103
ELASTIN: 494-495, 2395
ELBOW: 909, 1465, 2551
ELBOW JOINT: 909, 2800
ELECTRIC CONDUCTIVITY: 535, 1408, 3277, 3835
ELECTRIC COUNTERSHOCK: 1608
ELECTRIC INJURIES: 561
ELECTRIC STIMULATION: 164, 267, 651, 793, 607, 666, 919, 1041, 1060, 1110, 1176, 1321, 1382, 1407, 1764, 1686, 1948-1949, 1952, 2007, 2075, 2116, 2333, 2506, 2520, 2555, 2636, 2763, 2803, 2661, 2861, 3007, 3053, 3165, 3219, 3300, 3399, 3402, 3453, 3563, 3710, 3748-3751, 3762, 3826, 3953, 3995, 4043, 4060, 4127, 4167, 4306, 4331
ELECTRICITY: 1327, 1617
ELECTROCARDIOGRAPHY: 4, 66, 101, 287, 420, 815-816, 761, 686, 933, 963, 1423, 1461, 1608, 1756, 1759, 1942, 2104, 2168, 2190, 2452, 2485, 2633, 2664, 3103, 3292, 3560, 3603, 3769, 3944, 3975, 4158-4157, 4380
ELECTROCOAGULATION: 486, 743, 2732, 3424, 3469
ELECTRODES: 1080
ELECTRODES, IMPLANTED: 607, 666, 2075, 2331, 2515, 3185, 3327, 4181, 4331
ELECTROENCEPHALOGRAPHY: 11, 86, 287-289, 309, 375, 529, 767, 963, 993, 1205, 1252, 1476, 1764, 1863, 2489, 2809, 2942-2943, 3019, 3397, 3416, 3571, 3604, 4096, 4127, 4181, 4344, 4382
ELECTROLYSIS: 2121
ELECTROLYTES: 1268, 1650, 2932, 3101, 4015, 4332
ELECTROMYOGRAPHY: 681, 1507, 1687, 2285, 2942, 2996, 3560, 3803, 4128, 4169, 4233
ELECTRON PROBE MICROANALYSIS: 27, 549
ELECTRON SPIN RESONANCE: 452, 3429
ELECTRON TRANSPORT: 1064, 1275, 3151
ELECTRONS: 2278
ELECTROOCULOGRAPHY: 2973
ELECTROPHORESIS: 325, 1136, 1167, 1319, 1321, 1437, 1440, 2029, 2638, 2696, 3052, 3193, 3210, 3354, 3558, 3811, 4086
ELECTROPHORESIS, DISK: 740, 950, 1687, 2021, 2403, 2494, 2827, 3358, 4223, 4254, 4315
ELECTROPHORESIS, PAPER: 76, 828, 1119, 1609, 1708, 2866, 2916, 3564, 3838, 4059, 4134
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 51, 167, 229, 261, 270-271, 349, 718, 776, 617, 669, 896, 907, 1136, 1174, 1160, 1203, 1539, 1609, 1629, 1632, 1847, 1953, 1962, 2074, 2308, 2402, 2484, 2634, 2642, 2657, 2906, 2913-2914, 3135, 3234, 3355, 3365, 3612, 3636, 3638, 3713, 3775, 3815, 3843, 3854, 3879, 3916, 4027, 4117
ELECTROPHORESIS, STARCH GEL: 1146, 1311, 1700, 1906, 2311, 2355, 2362, 2874, 3167, 3212
ELECTROPHYSIOLOGY: 1137, 1386, 1696, 2892, 2860-2861, 2860, 2943, 3053, 3835, 3955
ELECTRORETINOGRAPHY: 3928
ELECTROSHOCK: 412, 627, 839, 1063, 1553, 2572, 3282
ELECTROSURGERY: 1648
ELECTROTHERAPY: 2970
ELEPHANTS: 2838
EMACIATION: 1502, 2321, 2471
EMBOLISM: 2048, 2576
EMBOLISM, FAT: 997, 2107, 2220, 3654
EMBRYO: 243, 443, 553, 766, 900, 959, 1247, 1611, 1832, 2599, 2628, 2757, 2924, 3105, 4195, 4250
EMERGENCIES: 754, 1216, 3457, 3521
EMETINE: 1400, 2833
EMIGRATION AND IMMIGRATION: 2775, 3094
EMOTIONS: 96, 502, 809, 1164, 1407, 1543, 2274, 2366, 3019, 3139, 4331, 4360
EMPYEMA: 3353
EMULSIONS: 1024, 1504, 2632, 3001
ENCEPHALITIS: 589, 2026, 3529, 3571, 4067
ENCEPHALOMALACIA: 2745
ENCEPHALOMYELITIS: 2584
ENCEPHALOMYELITIS, ALLERGIC: 1036
ENDARTERITIS: 3377
ENDOCARDIAL FIBROELASTOSIS: 3103
ENDOCARDIUM: 344, 426, 816
ENDOCRINE DISEASES: 45, 380, 958, 1156, 1195, 1301, 1316, 1449, 1542, 1640, 1657, 2070, 2241, 2352, 2786, 2796, 2804, 2809, 2902, 3069, 3310, 3377, 3708, 3834, 3929, 3963, 4104, 4273, 4386, 4424
ENDOCRINE GLANDS: 1000, 1304, 1613, 1640, 1655, 1656, 2491, 3497, 3547, 3844, 3866, 4015, 4112-4113, 4395
ENDOCRINOLOGY: 539, 1910, 2066, 2174, 2250, 2456, 3051, 3168, 3254, 3334, 4007
ENDOMETRIAL HYPERPLASIA: 638, 968, 1194
ENDOMETRIOSIS: 396, 743, 927, 1208, 1648, 2585, 4435
ENDOMETRIUM: 385, 437, 453, 484, 638, 620, 1085, 1156, 1194, 1451, 1481, 1692, 2030, 2212, 2320, 2507, 2637-2638, 2716, 3065, 3165, 3228, 3268, 3359, 3376, 3626, 3759, 3814, 3870, 4202, 4250-4251, 4351
ENDOPLASMIC RETICULUM: 53, 137, 163, 304, 365, 440, 476, 550, 799, 690, 916, 1002, 1053, 1979, 1969, 2084, 2341, 2537, 2612, 2764, 2838, 2843, 2979, 3060, 3151, 3157-3158, 3295, 3333, 3349, 3383, 3396, 3409, 3516-3519, 3725, 3857, 3895, 3906, 3956, 4008, 4035, 4082, 4236
ENDOSCOPY: 1235
ENDOTHELIUM: 304, 459, 2508, 3056, 3244
ENDOTOXINS: 260, 301, 729, 936, 1836, 3507, 3591, 3616, 4357
ENEMA: 3400
ENERGY TRANSFER: 2916, 2921
ENGLAND: 146, 796, 1513, 1680, 1777, 2456, 2812, 3712, 3947, 3984, 4247
ENGLISH ABSTRACT: 2, 10, 13, 20, 24, 36, 40-41, 43-46, 49, 68, 90, 94, 97, 106-107, 111, 115-116, 116, 126, 128, 138-139, 141, 163, 163, 165, 167, 191, 212, 214, 230, 240, 257, 284, 272-276, 287, 292, 296-297, 302, 305-307, 309, 314, 325, 336, 345, 353, 369-371, 381, 385, 400-402, 404, 407, 410, 414-415, 416, 440, 463, 465, 467, 479, 486, 488-489, 511-512, 516, 520, 530, 534, 546, 550, 554-555, 557, 565, 584, 566-567, 592, 602, 620, 638, 651, 672, 675-677, 682, 689-691, 694, 896, 706, 713, 754, 773-774, 784, 788-769, 610, 629, 631-632, 653-654, 674, 662, 888, 891-692, 901, 910, 916, 925, 929, 934, 939, 943, 956-958, 960, 974, 976, 985-986, 968, 993, 997-996, 1011, 1015-1016, 1025, 1028, 1053, 1060, 1069, 1071, 1081, 1086, 1088-1089, 1112, 1114-1115, 1116, 1120, 1124, 1126, 1128, 1141, 1163, 1172-1173, 1179, 1164-1185, 1190, 1205, 1212, 1216, 1218, 1230-1232, 1236, 1239, 1251, 1255, 1257-1258, 1263-1264, 1266, 1272, 1276, 1276, 1280, 1282, 1292, 1301, 1303, 1308, 1315-1316, 1320-1321, 1334-1335, 1341-1342, 1346-1347, 1349-1350, 1361-1363, 1366, 1369-1370, 1376, 1380, 1390, 1394, 1396, 1421, 1423-1424, 1427, 1431-1432, 1437-1438, 1442, 1452, 1460-1461, 1463, 1465, 1468-1471, 1474, 1476-1477, 1491, 1495, 1498, 1500, 1504, 1511, 1517, 1529, 1532, 1541, 1547, 1566, 1568, 1578-1576, 1564, 1594, 1599, 1602, 1606, 1612, 1817, 1620, 1637, 1640, 1642, 1648, 1655, 1661, 1681, 1684-1686, 1686, 1705, 1711, 1715, 1724, 1738, 1740-1741, 1757, 1763, 1768, 1786, 1789, 1793-1794, 1796-1799, 1601, 1605, 1611, 1616, 1622, 1624-1625, 1628, 1638, 1643, 1645, 1658, 1675-1676, 1692-1693, 1699, 1903, 1912, 1915, 1919, 1922-1923, 1935, 1942-1943, 1954, 1956, 1971, 1974-1975, 1960-1961, 1967, 1999, 2001, 2011-2012, 2016, 2030, 2032, 2038, 2040, 2045-2047, 2049, 2054, 2058-2059, 2064, 2069, 2071-2072, 2076, 2079, 2089-2092, 2101-2102, 2105, 2109, 2111, 2115, 2116-2119, 2130-2132, 2137, 2143, 2156, 2159-2160, 2166, 2177, 2179-2160, 2162, 2197, 2202, 2216 2226, 2240, 2252, 2263, 2268-2269, 2276, 2285-2286, 2298-2299, 2301, 2326, 2330, 2338, 2344-2345, 2347, 2350, 2353, 2361, 2376, 2381, 2432, 2436, 2441-2442, 2446, 2449, 2457, 2461, 2465-2466, 2469, 2475-2477, 2479, 2488-2489, 2492, 2522, 2524-2525, 2530-2531, 2537, 2539, 2553, 2586, 2568-2569, 2574, 2577-2580, 2583, 2585-2586, 2591, 2593, 2601, 2616, 2625, 2633, 2645, 2649, 2664-2665, 2670, 2672-2673, 2689, 2708, 2714, 2732, 2743, 2765-2766, 2781, 2767, 2789, 2796, 2804, 2807, 2810, 2817-2816, 2826-2827, 2834-2835, 2848, 2850, 2873, 2879, 2865, 2894-2895, 2900, 2907, 2917, 2961, 2964, 2966, 2969, 2991, 3003, 3011, 3019, 3022-3023, 3045, 3049, 3054, 3057, 3062, 3070, 3076, 3080, 3092-3093, 3100-3101, 3107, 3110, 3112, 3117, 3127-3128, 3133, 3135, 3138-3139, 3154, 3162, 3164, 3174, 3190, 3204, 3221, 3233, 3248, 3248, 3261, 3265, 3270, 3272, 3276-3279, 3291, 3299, 3302, 3311, 3317, 3322, 3324, 3327-3329, 3336, 3349, 3352, 3369, 3377, 3379, 3390, 3396, 3401, 3405, 3422, 3424, 3428, 3430-3433, 3435, 3438-3439, 3442, 3445, 3448-3449, 3451, 3454, 3460-346I, 3465-3466, 3470, 3476, 3489, 3492, 3502, 3506, 3510, 3515-3516, 3547, 3571, 3576, 3623, 3652, 3662, 3666, 3868, 3670, 3707-3708, 3715, 3717, 3719-3720, 3730-3731, 3733, 3741, 3756-3757, 3768-3769, 3771, 3776, 3776, 3764, 3797, 3802, 3825, 3830-3831, 3841, 3871, 3874, 3900, 3903, 3937-3938, 3942-3943, 3948, 3952, 3965, 3968-3969, 3977, 3980, 3965, 3993, 3997, 4005, 4008, 4012, 4019, 4038, 4038, 4041-4042, 4048, 4060, 4062-4064, 4066, 4073, 4075-4076, 4084, 4087, 4090, 4095-4096, 4099, 4102, 4104-4105, 4107-4108, 4110, 4116, 4121-4122, 4132, 4137, 4152, 4156-4157, 4161, 4173, 4176-4179, 4192, 4197, 4205, 4230-4231, 4260-4261, 4266-4268, 4271, 4273, 4299, 4316, 4322, 4324-4325, 4334, 4338, 4341, 4344-4347, 4360-4361, 4363, 4365-4366, 4371-4372, 4390-4391
ENTERITIS, REGIONAL: 67, 725, 1385, 1635, 2161, 2480, 2542

ENTEROBACTERIACEAE INFECTIONS: 4262
ENTEROCOLITIS, ACUTE: 3734
ENTEROTOXINS: 450, 1985
ENVIRONMENT: 382, 1304, 1342, 1708, 2274, 3715
ENVIRONMENT, CONTROLLED: 859, 1177, 1557, 1568, 2331, 3735
ENVIRONMENTAL EXPOSURE: 291, 379, 1177, 1342, 1362, 1548, 1717, 2218, 3554, 3877, 4065
ENZYME ACTIVATION: 700, 718, 770, 938, 950-951, 1057, 1078, 1173-1174, 1192, 1238, 1330, 1443, 1548, 1897, 1901, 2135, 2207, 2230, 2243, 2504, 2808, 2627, 2724, 2759, 2894, 2908, 3013, 3098, 3190, 3308, 3378, 3450, 3582, 3663, 3815, 3883, 3888, 3923-3924, 3964, 4119, 4177, 4275
ENZYME INDUCTION: 176, 238, 800, 961, 1098, 1181, 1290-1291, 1300, 1311, 1319, 1344, 1355, 1383, 1419, 1443, 1550, 1819, 1888, 2018, 2913, 3060, 3200, 3209, 3223, 3512, 3857, 3711, 3823, 3973, 4027, 4089, 4387
ENZYME PRECURSORS: 1548, 2230
ENZYME REPRESSION: 1236, 1319, 1821, 2858, 2947, 3200, 3210
ENZYME TESTS: 456, 1337, 1844, 2016
ENZYMES: 591, 723, 3857, 4007
EOSINOPHILIA: 1313, 2704, 2925
EOSINOPHILS: 87, 732, 859, 689, 2704, 2818, 2825, 3078, 3471, 3781, 4009, 4137
EPENDYMA: 39, 125, 2473, 3250, 3587
EPENDYMOMA: 1834
EPHEDRINE: 2986, 3016
EPIDEMIOLOGIC METHODS: 3049, 3500, 4440
EPIDERMAL CYST: 3387, 3767
EPIDERMAL NECROLYSIS, TOXIC: 362, 1347
EPIDERMOLYSIS BULLOSA: 2110, 2161, 2984, 4017
EPIDIDYMIS: 243, 337, 354, 595, 680, 1180, 1539, 1670, 1804, 1904, 2185, 2311, 2317, 2504, 2567, 3011, 3234, 3683, 3680, 3798, 3883
EPIDIDYMITIS: 174, 3118
EPIGLOTTIS: 1814
EPILEPSY: 687, 1123, 1270, 1620, 1784, 2096, 2524, 2734, 3002, 3529, 4121, 4210, 4382
EPILEPSY, PETIT MAL: 589
EPILEPSY, TEMPORAL LOBE: 1163, 2524
EPILEPSY, TRAUMATIC: 787, 3231
EPINEPHRINE: 58, 89, 178, 223-224, 232, 320, 471, 545, 593, 880-881, 873, 692, 700, 788, 793, 604, 942, 1013, 1135, 1174, 1202, 1213, 1219, 1231, 1246, 1277, 1350, 1360, 1382, 1410, 1430, 1535, 1570, 1820, 1858, 1859, 1669-1670, 1791, 1855, 1857, 1888, 1660, 1883, 1973, 2078, 2308, 2333, 2385, 2485, 2530, 2569, 2572-2573, 2707, 2715, 2724, 2748, 2885, 2893, 2935, 2937-2938, 2946, 2968, 2982, 3072, 3108, 3289, 3329, 3342, 3469, 3819, 3826, 3639, 3642, 3657, 3663, 3807, 3835, 3837, 3883, 3888, 3971, 4012, 4028, 4191, 4213, 4237, 4259, 4304
EPIPHYSES: 866, 1021, 1454, 1520, 2093, 2282, 2945, 3070, 3824
EPIPHYSES, SLIPPED: 1134, 3854
EPISIOTOMY: 2776
EPISPADIAS: 2871
EPISTAXIS: 563, 1868
EPITHELIAL CELLS: 137, 303, 484, 520, 851, 854, 889, 1002-1003, 1081, 1138, 1171, 1234, 1789, 1799, 1937, 2184, 2176, 2218, 2451, 2507, 2832, 3043, 3058, 3125, 3189, 3248, 3275, 3308, 3359, 3367, 3443, 3516-3519, 3614-3615, 3688, 3886, 4106, 4146, 4232, 4294
EPITHELIUM: 699, 852, 1081, 1104, 1116, 1169, 1171, 1511, 1735, 1798, 1935, 2164-2165, 2424, 2480, 2507, 2841, 2712, 3085, 3098, 3122, 3125, 3596, 3613, 3618, 3860, 4082, 4238
EPONYMS: 3388
EQUILIBRIUM: 2351
EQUINE INFECTIOUS ANEMIA: 1562
EQUINE INFECTIOUS ANEMIA VIRUS: 1562
EQUIPMENT AND SUPPLIES: 3882
ERGOCALCIFEROL: 104, 329, 547, 559, 739, 1399, 2912, 2915, 3169, 3197, 3482, 3540, 3621, 4189
ERGOLINES: 4200
ERGONOVINE: 315
ERGOSTEROL: 1223, 1297, 3783, 3919
ERGOT ALKALOIDS: 559, 1558, 1720, 2258, 2419, 3130, 3456, 4088
ERGOT ALKALOIDS, HYDROGENATED: 2779
ERGOTAMINE: 919, 2419
ERYSIPELAS: 2503
ERYTHEMA: 1713, 1726, 3193, 3459
ERYTHREMIC MYELOSIS: 3557
ERYTHRITOL: 4149
ERYTHROBLASTOSIS, FETAL: 212, 1316, 2411
ERYTHROCYTE AGGREGATION, INTRAVASCULAR: 3890-3891
ERYTHROCYTE AGING: 773
ERYTHROCYTE COUNT: 212, 859, 1138, 2897
ERYTHROCYTES: 17, 122, 135, 178, 212, 285, 307, 455, 558, 588, 704, 1020, 1057, 1138, 1146, 1290-1291, 1478, 1525, 1606, 1700, 1706, 1710, 2005, 2095, 2132, 2183, 2283, 2358, 2466, 2933, 2965, 3011, 3027, 3048, 3146, 3153, 3190, 3301, 3779, 3790, 3810, 3950, 4173, 4222, 4283, 4339
ERYTHROCYTES, ABNORMAL: 1747, 2100, 3794
ERYTHRODERMA: 2557, 2984
ERYTHROLEUKEMIA: 3006
ERYTHROMYCIN: 283
ERYTHROPOIESIS: 168, 202, 336, 1747, 2100, 4104
ERYTHROPOIETIN: 168, 178, 202, 2719, 2961, 2965, 3075, 3478
ESCAPE REACTION: 1407, 1948, 4012
ESCHERICHIA COLI: 5, 683-884, 936, 953, 961, 1121, 1440, 2132, 2292, 2350, 2540, 2545, 2614, 3950, 4301, 4357
ESCHERICHIA COLI INFECTIONS: 78, 1430, 2360
ESOPHAGEAL DISEASES: 3009
ESOPHAGEAL DIVERTICULA: 2526
ESOPHAGEAL NEOPLASMS: 1554, 1604, 2986, 3104, 3290, 4398
ESOPHAGEAL PERFORATION: 1267
ESOPHAGEAL STENOSIS: 1267
ESOPHAGEAL VARICES: 754, 2177, 2723, 3510
ESOPHAGITIS: 833
ESOPHAGOSCOPY: 1218, 1267
ESOPHAGUS: 737, 1243, 1267, 1528, 1998, 2748, 2882, 4059, 4239
ESTERASES: 207, 647, 1565, 1735, 1821, 2453, 2473, 2894, 2801-2802, 3666, 4100, 4124
ESTERS: 208, 618, 650, 940, 953, 1475, 1619, 1701, 2170, 2278, 2674, 2726, 2750, 2797, 4177, 4288
ESTHETICS: 4336
ESTRADIOL: 25, 31, 52, 74, 181-182, 227, 237, 331-332, 342, 411, 417, 484, 512, 515, 572, 576, 811, 625-626, 645, 679, 899, 724, 745, 777-778, 786, 802-803, 806, 808, 811-814, 818, 851-852, 895, 924, 931, 936, 944-945, 972, 980, 1009, 1031, 1036, 1039, 1058, 1065, 1082-1083, 1112, 1117, 1133, 1151, 1157, 1161, 1171, 1175, 1180-1161, 1226, 1262, 1330, 1340, 1345, 1405, 1428, 1481, 1509, 1638, 1714, 1751, 1853, 1659, 1665, 1914, 1916, 1924, 1955, 1963, 1982, 1988, 2016, 2021, 2023, 2082, 2142, 2156, 2164, 2168, 2172-2173, 2208, 2223, 2267, 2295, 2316, 2356, 2438, 2459, 2467, 2489, 2497, 2507-2508, 2516, 2528-2529, 2532, 2538, 2540, 2596, 2611, 2617, 2638, 2716, 2774, 2785, 2801-2802, 2832, 2834-2835, 2844, 2895, 2913, 2960, 2963, 2972, 2979, 3043, 3060, 3122, 3148-3149, 3160, 3198, 3205, 3234, 3276, 3298, 3303, 3331, 3351, 3357, 3366, 3372, 3403, 3407, 3453, 3456, 3478, 3511, 3524, 3542, 3550, 3556, 3577, 3605, 3619, 3781, 3787, 3814, 3829, 3847, 3886, 3898, 4097, 4112, 4194, 4215-4216, 4266, 4292, 4309, 4311, 4314
ESTRANES: 438, 1031, 1082-1083
ESTRIOL: 31, 74, 95, 119, 249, 300, 825-626, 792, 877, 899, 934, 987, 1036, 1082-1083, 1345, 1837, 2019, 2170, 2182, 2379, 2517-2518, 2528-2529, 2532, 2638, 2834-2835, 2895, 3122, 3252, 3370, 3524, 3844, 3930-3933, 4163, 4292
ESTROGENIC SUBSTANCES, CONJUGATED: 162, 394, 677, 1006, 1083, 1354, 1849, 3406, 4024, 4433
ESTROGENS: 2, 17, 31, 45, 98, 107, 128, 129, 146, 149, 159, 171, 175, 221, 264-265, 273, 279, 298, 302, 317, 331, 342, 366, 371-372, 379, 386, 398, 430-431, 437-438, 482, 520, 535-538, 559, 571, 587, 611, 625, 760, 779, 792, 825, 630, 837-838, 847, 889, 912, 934, 957, 1006, 1125, 1145, 1161, 1256, 1260, 1263, 1265, 1296, 1349, 1370, 1376, 1391, 1415, 1417, 1442, 1481, 1503, 1509, 1524, 1565, 1684, 1691, 1740, 1827, 1839, 1911, 1914, 1922, 1955, 1965, 2030, 2032, 2089, 2071, 2131, 2148, 2168, 2212, 2226, 2248, 2287, 2271, 2279, 2312-2313, 2320, 2344, 2352, 2422, 2456, 2474, 2529, 2585, 2596, 2622, 2638, 2661, 2790, 2801, 2804, 2948, 2960, 3069, 3120, 3122, 3149, 3161, 3189, 3225, 3331, 3348, 3366, 3411, 3435, 3456, 3485, 3494, 3524, 3562, 3819, 3662, 3669, 3893, 3820, 3857, 3877, 3932, 3934, 3938, 3997, 4009, 4024-4025, 4056, 4063, 4070, 4075, 4088, 4095, 4163, 4216, 4286, 4292, 4296, 4335, 4340, 4395-4396, 4428, 4444, 4450, 4456
ESTRONE: 31, 74, 181-182, 331-332, 825-626, 708, 802, 877, 920, 1058, 1082-1083, 1157, 1345, 1376, 1638, 1955, 2018, 2071, 2172, 2356, 2518, 2528-2529, 2596, 2611, 2617, 2638, 2733, 2806, 2834-2835, 2895, 2972, 3149, 3331, 3351, 3476, 3511, 3577, 3721, 3814, 3846-3847, 4083, 4149, 4292
ESTRUS: 10, 102, 106, 181, 233, 237, 242, 342, 373, 484, 501, 510, 521, 572, 588, 626, 644, 686, 766-787, 803, 852, 885, 887, 889, 914, 921, 944-945, 972, 992, 1009-1010, 1133, 1156, 1416, 1452, 1596, 1850, 1663, 1732-1733, 1754, 1776, 1779, 1830, 1882, 2021, 2063, 2147, 2172, 2191, 2196, 2209, 2254, 2363, 2459, 2467, 2470, 2499, 2516, 2548, 2611, 2639, 2661, 2754, 2785, 2838, 2967, 3125-3128, 3149-3150, 3224, 3230, 3257, 3276, 3332, 3345, 3408, 3426, 3453, 3549-3550, 3555, 3577, 3630, 3795, 3349, 3852, 3902, 3917, 3995, 4120, 4166, 4194, 4201, 4215, 4223, 4251, 4260, 4266, 4315, 4323, 4328, 4337, 4351, 4362
ETHACRYNIC ACID: 863, 946, 1213, 1992, 3710
ETHAMBUTOL: 1958, 4342
ETHANOLAMINES: 1492, 2304, 2434
ETHERS: 826, 1114, 1283, 2505, 2778
ETHERS, CYCLIC: 1483
ETHICS, MEDICAL: 1193
ETHINYL ESTRADIOL: 221, 402, 443, 564, 772, 1006, 1038, 1283, 1339, 1349, 1781, 1820, 1864, 1955, 2023, 2244, 2421, 2564, 2802, 2822, 3160, 3280, 3448, 3460, 3522, 3914, 4202, 4364
ETHIONAMIDE: 2959, 3246, 4156
ETHIOPIA: 2485
ETHISTERONE: 3522
ETHMOID BONE: 2060
ETHNIC GROUPS: 573, 763, 2503, 2812, 3984
ETHOSUXIMIDE: 2096
ETHYL ETHER: 703, 735, 1701, 2893, 3064, 3235, 4039
ETHYL MERCURY COMPOUNDS: 259
ETHYLAMINES: 1649, 4230
ETHYLENE: 289, 555
ETHYLENEDIAMINES: 2604, 3056
ETHYLESTRENOL: 2224, 3512
ETHYLMALEIMIDE: 3737, 4010
ETHYNODIOL DIACETATE: 33, 443, 772, 1664, 2131, 2421, 3030, 3280
ETIOCHOLANOLONE: 107, 438, 474, 1073, 1615, 2687, 2834-2835, 2905, 3060, 3627, 3669, 3889, 4009
EUGENICS: 1193, 1498, 3022
EUNUCHISM: 2008, 2454
EUPHORIA: 1502
EUROPE: 508, 2820
EVALUATION STUDIES: 9, 13, 216, 230, 284, 504, 575, 584, 701, 732, 792, 1154, 1312, 1485, 1515, 1562, 1714, 1767, 1788, 1807, 1926, 2017, 2040, 2162, 2184, 2166, 2249, 2396-2397, 2542, 2603, 2683, 2767, 2778, 2879, 2975, 3104, 3118, 3182, 3416, 3445, 3950, 4017, 4162, 4286
EVOKED POTENTIALS: 267-268, 627, 1110, 1952, 2007, 2783, 3007, 3928, 4098
EVOLUTION: 698, 1700, 2276, 2536, 2755-2756, 2805, 3105, 3541, 3744, 4289, 4312
EXCHANGE TRANSFUSION: 168, 882, 2404
EXERCISE THERAPY: 81, 381, 468, 969, 1093, 2677, 2992
EXERTION: 502, 599, 673, 1000, 1409, 2530, 2816, 2911, 2962, 3675-3676, 3762, 3793, 3808, 3880, 3971, 4015, 4395
EXOCYTOSIS: 2534
EXOPHTHALMOS: 188, 424, 1190, 1447, 1456, 1482, 2464, 2887, 3107, 3743, 3776, 4256, 4389
EXOSTOSES: 3489
EXOSTOSES, MULTIPLE: 28
EXPECTORANTS: 1135, 1566
EXPERT TESTIMONY: 2556
EXPLORATORY BEHAVIOR: 96, 1626, 3087, 4182
EXTINCTION (PSYCHOLOGY): 267-268, 2274, 3165, 3898
EXTRACELLULAR SPACE: 1062, 1418, 1425, 1607, 1632, 2324, 2448, 3570, 4122, 4155, 4280
EXTRACORPOREAL CIRCULATION: 3841
EXTRACTION, OBSTETRICAL: 1586, 2104, 2589
EXTRAPYRAMIDAL DISORDERS: 4404
EXTRAPYRAMIDAL TRACTS: 3424
EXTRASYSTOLE: 1756
EXTREMITIES: 685, 917, 1314, 1465, 1571, 2664, 2953, 3302, 3408, 3836, 4295, 4345
EXUDATES AND TRANSUDATES: 414, 732, 1538, 1757

SUBJECT INDEX

EYE: 157, 896, 707, 911, 973, 1130, 1820, 1996, 2476, 2625, 3050, 3677, 4059, 4295
EYE BURNS: 3521
EYE DISEASES: 742, 1045, 1393, 1640, 2483, 3362, 3467, 3521, 3648, 3676, 3733
EYE INJURIES: 3469, 3521, 4147
EYE MANIFESTATIONS: 424, 442, 1868, 2584, 4406
EYE MOVEMENTS: 1252, 3424
EYE NEOPLASMS: 1736, 3107
EYEGLASSES: 1640
EYELID DISEASES: 1045, 2926, 3521
EYELIDS: 3521, 3673, 3852
F 6066: 3949
FACE: 1918, 2476, 2612, 3592-3593
FACIAL DERMATOSES: 552, 3459, 3709, 4429
FACIAL EXPRESSION: 249, 1163, 1377, 2093, 2664, 3168, 3836
FACIAL NEOPLASMS: 1519, 1610
FACIAL PARALYSIS: 523, 2971, 3762, 4400
FACTOR V: 2777
FACTOR VIII: 283, 771, 2777
FACTOR IX: 2777
FACTOR X: 2777
FACTOR XII: 2777
FACTOR XIII: 2797, 4001
FACTOR ANALYSIS, STATISTICAL: 198, 290, 2407
FAD: 1275
FALLOPIAN TUBES: 383, 490, 575, 960-961, 1550, 1623, 1615, 2160, 2233, 2632, 2960, 3338, 3343-3345, 3361, 3486, 3862, 4241, 4266, 4401
FALSE NEGATIVE REACTIONS: 741
FALSE POSITIVE REACTIONS: 1202, 2017, 2231
FAMILY: 1123
FAMILY CHARACTERISTICS: 2391-2392, 2503, 3715, 4281, 4374
FAMILY PLANNING: 146, 228, 573, 822, 1498, 1513, 1608, 1909, 1944, 2042, 2846, 3742, 4377
FANCONI SYNDROME: 1088, 1138, 1403, 2381, 2445, 3283, 3888, 3775
FARNESOL: 2276
FASCIA: 1329, 3921
FASCIA LATA: 2372
FASCIOLIASIS: 1590
FASCIOLOIDIASIS: 1442
FASTING: 116, 500, 852, 679, 800, 1108, 1229, 1409, 1816, 2023, 3029, 3258, 3323, 3371, 3840, 3998, 4115, 4365
FATIGUE: 1342, 1627, 2677, 3262, 4015
FATIGUE, MENTAL: 2677
FATS: 757, 4141
FATTY ACID SYNTHETASE COMPLEX: 4115
FATTY ACIDS: 28-29, 229, 769, 823, 1399, 1472, 1585, 2061-2062, 2493, 2750, 3068, 3800, 3883, 4120, 4243, 4349
FATTY ACIDS, ESSENTIAL: 153, 1173, 2483
FATTY ACIDS, NONESTERIFIED: 28, 133, 232, 595, 841, 847, 857, 905, 1103, 1114, 1153, 1308, 1409, 1450, 1487, 1855, 1883, 2153, 2569, 2672, 2707, 2779, 2818, 2930, 2962, 3140, 3195, 3336, 3821-3822, 3880, 3996, 4304
FATTY ACIDS, UNSATURATED: 153, 694, 966, 1173, 2289, 2493, 2735
FATTY ACIDS, VOLATILE: 4141
FATTY ALCOHOLS: 1885, 2834
FATTY LIVER: 855
FEAR: 2434, 4188
FECES: 15, 521, 814, 689, 1052, 1113, 1153, 1633, 1635, 2429, 2604, 2655, 3032, 3473, 3895, 3806, 3903, 4040, 4078
FECES, IMPACTED: 262
FEEDBACK: 2, 14, 128, 342, 578, 694, 839, 924, 948, 957, 963, 1018, 1184, 1304, 1576, 1697, 1831, 1918, 1924, 1955, 2075, 2099, 2271, 2459, 2462, 2798, 2856, 2961, 3084, 3222, 3319, 3558, 3668, 3744, 3748, 3751, 3983, 4076, 4097, 4333
FEEDING BEHAVIOR: 33, 234, 294, 851, 679, 881, 1013, 1164, 1210, 1331, 1434, 1444, 1626, 1949, 2369, 2661, 2922-2923, 3513, 3551, 3858, 4083
FEMALE: 1-2, 8, 10-11, 15-16, 21, 24-25, 27, 30-36, 38, 40, 42-43, 45-49, 52, 54, 56-57, 59, 61, 63-65, 67-75, 78-80, 82-85, 87, 90-91, 94-95, 97-104, 108-108, 111, 114, 116-117, 119-121, 124, 128-128, 133, 138, 140, 145-150, 154, 158-163, 185-186, 169-170, 175, 176-182, 185-166, 188, 192, 195, 204, 208, 210, 212-214, 217-221, 228, 233-237, 239-242, 246, 248-251, 254, 258, 260, 262-264, 266, 270-271, 273-275, 278-279, 282, 286-287, 298, 298-300, 302-303, 305-307, 309, 313, 316-317, 319, 321-323, 328, 331-332, 336, 338, 341-342, 345, 347, 349, 355, 360-362, 364-366, 369, 371-373, 376, 379-380, 383, 385-387, 391, 393, 396, 396-399, 401-405, 406-411, 413, 417-416, 422-427, 429, 434, 437, 439-440, 442-444, 448-449, 451, 453, 459, 462-464, 467, 469, 471-476, 480-482, 484, 487-489, 492, 494-495, 496, 500-501, 503, 506-508, 510-511, 516-516, 520-521, 523-527, 533-537, 539, 547-548, 551-554, 557-560, 563-566, 568, 570-576, 580-581, 563-564, 586-589, 597-596, 602-603, 605, 608-609, 611-614, 617-816, 622-623, 626, 628, 633-634, 636, 638, 641-645, 648-649, 652-655, 662-663, 667, 672, 674, 678, 876-679, 882-883, 885-887, 690-891, 693, 699-701, 705-706, 710, 712, 716-717, 719-720, 723, 728-729, 731-732, 734, 736-737, 739, 742-746, 748, 754, 757, 761-764, 766-767, 771-773, 776-777, 761, 765-766, 788, 790-792, 795-797, 799, 601-603, 605, 608-615, 616, 820, 822-825, 627, 630-631, 833-838, 641-642, 647, 851-853, 656, 660-661, 665, 667, 669-672, 674-676, 676, 661-882, 666-667, 889, 691-692, 695, 697-901, 909, 912-916, 920-922, 924-925, 927, 929, 933-934, 937, 939, 948, 956, 959-960, 962-964, 967-988, 972, 974-975, 977, 960-961, 963-985, 967-993, 995-997, 1001, 1006, 1009-1011, 1014-1016, 1016, 1022, 1024, 1027, 1030-1031, 1033, 1036-1037, 1039, 1042-1044, 1055, 1057, 1059-1062, 1065, 1069, 1071-1072, 1075-1076, 1080, 1083, 1086-1087, 1091, 1095, 1097, 1099-1100, 1111, 1113-1114, 1116, 1119, 1121, 1124, 1126-1127, 1133-1134, 1136, 1138, 1140
1141-1143, 1145-1148, 1148-1151, 1156-1161, 1166, 1170-1171, 1161, 1164, 1166-1167, 1169-1191, 1194, 1196, 1199-1200, 1205, 1207-1206, 1212, 1215-1216, 1216, 1225-1228, 1233-1234, 1237-1241, 1244-1245, 1248, 1254-1255, 1257-1264, 1270-1272, 1278, 1287, 1289-1290, 1292, 1296, 1299, 1301-1302, 1307, 1309, 1312-1318, 1318, 1320, 1322, 1325, 1329-1332, 1334-1337, 1339-1340, 1343-1354, 1358, 1361-1362, 1384, 1387, 1369-1370, 1372-1373, 1375-1377, 1379, 1382, 1385, 1387, 1389, 1391, 1396, 1398-1399, 1401-1403, 1405, 1407, 1410-1417, 1419, 1421, 1423-1424, 1426-1429, 1431, 1433, 1438, 1447-1449, 1451-1455, 1458, 1481, 1483-1464, 1486, 1469-1474, 1478-1479, 1481, 1483-1488, 1490-1492, 1497-1496, 1500, 1502-1505, 1507-1509, 1513-1514, 1519, 1524, 1527-1529, 1531, 1534, 1536, 1541, 1543, 1545, 1547, 1550, 1552, 1557-1560, 1568-1569, 1571, 1576-1577, 1582-1587, 1591, 1594-1598, 1599-1600, 1602, 1804, 1606, 1806, 1811-1613, 1818-1816, 1823-1824, 1828, 1829, 1832, 1638, 1842, 1645, 1648, 1650-1852, 1855, 1857-1659, 1683-1864, 1868, 1672-1873, 1878, 1879-1681, 1684, 1888, 1691, 1894, 1697-1698, 1700, 1704, 1707, 1709, 1712-1715, 1718-1719, 1721-1724, 1728-1734, 1737, 1739-1741, 1743-1744, 1746, 1748, 1751-1752, 1754, 1758, 1760-1781, 1789-1770, 1772, 1774, 1776-1777, 1779-1781, 1765-1786, 1788, 1790, 1794-1796, 1801-1802, 1806, 1811, 1813, 1615, 1617-1818, 1820-1822, 1824-1825, 1827-1830, 1834, 1838, 1839-1841, 1843-1851, 1654, 1859-1860, 1862, 1864-1865, 1889-1870, 1674-1679, 1881-1882, 1888, 1690, 1692-1893, 1895-1697, 1900, 1904-1905, 1911-1912, 1915-1918, 1920, 1922-1926, 1930, 1932, 1934, 1938, 1942-1943, 1945, 1951-1952, 1954-1959, 1963, 1985-1967, 1971-1972, 1974, 1976-1977, 1963, 1967-1988, 1991, 1993-1994, 2000, 2002, 2004-2006, 2011-2014, 2018-2019, 2021-2023, 2025-2028, 2030, 2033-2034, 2038, 2038, 2040-2042, 2044-2045, 2057-2058, 2060-2063, 2065, 2067, 2069-2070, 2079-2080, 2082-2083, 2085-2087, 2089, 2091-2094, 2098, 2098, 2102
2103-2104, 2108-2109, 2112, 2118-2117, 2119, 2122, 2124, 2128-2129, 2131, 2134, 2136, 2141-2143, 2145-2147, 2149-2151, 2154-2155, 2159, 2161, 2164, 2187-2170, 2172, 2178-2177, 2182-2184, 2186-2188, 2191, 2194-2198, 2202-2203, 2205, 2207-2214, 2216, 2219, 2222-2225, 2231, 2233, 2237, 2246-2248, 2251-2252, 2254, 2258, 2263, 2286, 2271, 2273, 2277, 2279, 2284-2285, 2295-2298, 2302, 2304, 2306, 2310, 2314-2316, 2318, 2320, 2322-2324, 2328, 2330, 2333-2334, 2336, 2338-2339, 2344-2345, 2352, 2354, 2357, 2361, 2364, 2371, 2373, 2378-2380, 2383, 2386-2387, 2389-2392, 2397-2396, 2403-2405, 2408-2422, 2427-2428, 2430, 2432, 2438-2439, 2441-2444, 2449, 2451-2452, 2454-2457, 2459, 2481-2462, 2488-2468, 2470-2478, 2480, 2485-2486, 2490, 2495-2497, 2499, 2502-2503, 2507-2511, 2516-2516, 2521-2522, 2525-2527, 2532-2533, 2535, 2538, 2540, 2542, 2548-2552, 2555, 2560, 2565-2566, 2573, 2575, 2584-2588, 2589-2591, 2593, 2596-2597, 2599-2602, 2604, 2606, 2609, 2611, 2615-2617, 2619-2620, 2622-2626, 2628, 2631-2633, 2635, 2637-2639, 2641-2642, 2645, 2650-2651, 2655, 2659-2661, 2664, 2666, 2668, 2671, 2674-2675, 2676, 2885, 2886-2689, 2694, 2696, 2699-2700, 2703-2706, 2709-2710, 2712-2713, 2716, 2716-2719, 2728, 2730, 2733, 2738-2739, 2741-2743, 2747, 2752, 2754, 2756, 2758, 2760, 2762, 2765-2769, 2771-2772, 2774-2775, 2776-2761, 2763, 2765-2766, 2769-2790, 2793, 2795, 2806, 2810, 2813-2815, 2817-2816, 2822, 2825, 2827-2628, 2832, 2834-2836, 2838-2840, 2844-2846, 2850-2851, 2854-2855, 2857, 2860, 2862, 2866, 2868-2669, 2875-2876, 2876-2879, 2863, 2885, 2887, 2869-2891, 2896-2896, 2900, 2903, 2905-2906, 2909, 2912-2914, 2916-2917, 2919, 2922, 2924, 2926, 2930, 2936, 2940, 2948-2949, 2951, 2954, 2956-2956, 2960, 2962-2965, 2967-2968, 2971-2973, 2977, 2961, 2984-2988, 2991, 2997, 3003-3005, 3008-3012, 3014, 3022, 3025, 3028-3032, 3034, 3036, 3039, 3043-3045, 3048-3049, 3052, 3054-3055, 3059, 3063, 3065, 3067-3070, 3073-3074, 3076, 3076, 3080, 3082 3088, 3091-3092, 3095, 3097, 3100-3101, 3103-3104, 3106-3107, 3109-3115, 3117-3122, 3125-3126, 3130, 3133, 3135-3138, 3140, 3142-3143, 3145-3146, 3148-3151, 3156-3157, 3160-3163, 3165-3166, 3169, 3173, 3175, 3177, 3179, 3161, 3166-3190, 3193-3194, 3196, 3202-3206, 3210-3211, 3213, 3215-3216, 3222, 3224-3225, 3228, 3230, 3233, 3236, 3239, 3242-3246, 3252, 3255, 3257-3258, 3261-3263, 3267-3268, 3274, 3276, 3276-3280, 3283, 3285-3287, 3292, 3297-3299, 3303-3304, 3306, 3309, 3314-3317, 3319-3320, 3323-3324, 3326-3327, 3330-3332, 3334, 3336, 3338, 3341-3345, 3348, 3351, 3355, 3357, 3359-3362, 3364-3371, 3373-3374, 3376, 3376, 3387, 3390-3391, 3395, 3399-3402, 3405, 3407-3408, 3410-3412, 3414-3416, 3423, 3428-3427, 3430, 3432, 3438-3443, 3445, 3447-3448, 3453, 3455-3458, 3460-3462, 3468, 3468-3470, 3474-3478, 3481-3482, 3484, 3486, 3488-3490, 3494, 3497-3498, 3500, 3502, 3506, 3508-3510, 3512, 3514-3520, 3522-3526, 3528-3529, 3532-3533, 3539, 3541-3543, 3545, 3549-3552, 3554-3555, 3561, 3588-3569, 3571, 3576-3577, 3580-3582, 3585, 3588, 3593-3594, 3598, 3598-3600, 3602-3603, 3606-3609, 3611, 3616-3819, 3822-3623, 3628, 3830, 3833, 3638, 2638, 3641, 3643, 3648-3650, 3652, 3655, 3659, 3881-3662, 3665-3668, 3669, 3671, 3673-3674, 3678, 3879-3880, 3885, 3887-3688, 3692-3694, 3699, 3701, 3704, 3707-3708, 3712-3714, 3716-3717, 3720-3723, 3727-3732, 3734, 3742-3743, 3745, 3758, 3759, 3762-3785, 3768, 3770, 3772, 3774, 3778, 3776-3782, 3764-3766, 3792-3795, 3800, 3803, 3807-3808, 3810-3814, 3816-3817, 3819-3822, 3824, 3829-3831, 3833, 3835-3838, 3842-3849, 3852-3855, 3858, 3883, 3885, 3868-3871, 3878, 3881-3882, 3885-3886, 3891, 3893-3894, 3899, 3902-3907, 3914-3915, 3916, 3920, 3922, 3929-3932, 3934, 3938-3937, 3939, 3945-3948, 3948-3949, 3951-3952, 3955, 3959-3960, 3963, 3985-3986, 3970-3971, 3974-3975, 3977, 3979-3981, 3964-3967, 3991, 3995, 3997, 4006, 4009, 4011-4012, 4014, 4016-4019, 4021, 4023-4026, 4029, 4034-4038, 4041, 4047-4048, 4052
4053-4054, 4058, 4058, 4061-4065, 4067, 4069-4070, 4073-4076, 4079-4080, 4083-4085, 4087, 4093-4098, 4102, 4107, 4110, 4112-4113, 4115-4118, 4118, 4120, 4126-4130, 4134, 4137, 4140-4141, 4145-4147, 4150, 4153, 4158-4159, 4161-4183, 4168, 4171, 4175-4178, 4179, 4161, 4184, 4168-4187, 4169, 4192-4195, 4199-4206, 4211-4212, 4215-4216, 4220, 4223, 4228, 4228, 4231, 4233, 4238, 4241-4243, 4248-4247, 4249-4251, 4253, 4258-4260, 4282-4264, 4266-4268, 4270-4271, 4273-4274, 4277, 4281-4283, 4285-4286, 4290-4295, 4296-4299, 4303-4306, 4309, 4311-4313, 4315-4316, 4318-4319, 4322-4323, 4325-4328, 4330, 4334-4335, 4337-4340, 4344-4345, 4347-4348, 4350-4353, 4355-4364, 4366-4387, 4370-4374, 4376, 4378-4379, 4381, 4383, 4388, 4391, 4395, 4399, 4401, 4407, 4409, 4411, 4413-4414, 4418-4419, 4421, 4424-4425, 4428, 4431, 4433, 4435, 4438-4440, 4444-4445, 4450, 4452, 4456
FEMINIZATION: 853, 3242
FEMORAL ARTERY: 196, 949, 1411
FEMORAL FRACTURES: 155, 2221, 2372
FEMORAL NECK FRACTURES: 554
FEMORAL NEOPLASMS: 2045, 2416, 3328
FEMORAL VEIN: 660, 1573, 2107, 3082
FEMUR: 29, 33, 817, 637, 666, 806, 821, 891, 1102, 1454, 1536, 1644, 1792, 1969, 1993, 2049, 2138, 2418, 2597, 2799, 2811, 2819, 2921, 2928, 3703, 3735, 3882

FEMUR HEAD: 468, 1993, 2187, 2357, 2372, 3328
FEMUR HEAD NECROSIS: 994, 1134, 3854
FEMUR NECK: 2357
FENFLURAMINE: 1820, 2887, 3793
FERRITIN: 440, 2185
FERTILITY: 80, 219, 521, 585, 870, I010, 1238, 1395, 1508, 1779, 1904, 1909, 2080, 2143, 2198, 2444, 2713, 2782, 2888, 3079, 3309, 3428, 3533
FERTILITY AGENTS: 3413
FERTILIZATION: 920-921, 1119, 1389, 1452, 1550, 1781, 1932, 2008, 2068, 2180, 2208-2209, 2828, 2785, 2924, 3003, 3243, 3332, 3428, 3680, 388I, 4215
FETAL DEATH: 80, 220, 300, 524, 580, 611, 682, 718, 959, 1149, 1186, 1318, 1473, 2252, 2437, 2814, 3014, 3188, 3198, 3370, 3411, 3818, 3685, 4056, 4319, 443I
FETAL DISEASES: 18, 220, 278, 364, 667, 825, 692, 987, 1242, 1473, I591, 1710, 1740, 1624, 2016, 2103-2104, 2168, 2219, 2285, 2411, 2840, 3370, 3683, 3892-3893, 3908, 4249
FETAL GLOBULINS: 1785, 1927, 4185
FETAL HEART: 18, 55, 154, 220, 420, 2102, 2168, 2817, 3892
FETAL HEMOGLOBIN: 212, 887, 3723
FETAL MEMBRANES: 1158, 1588, 2019, 2304, 2908, 31I1, 4064
FETOFETAL TRANSFUSION: 278
FETOMATERNAL TRANSFUSION: 212
FETUS: 18, 16, 52, 55, 71, 95, 149, 154, 220, 276, 300, 332, 365, 420, 553, 596, 616, 682, 890, 692, 975, 1018, 1055, 1056, I261, I367, 1414, 1611, 1740, 1749, 1795, 1800, 1876, 1892, 1967, 2063, 2I02, 2125, 2143, 2I49, 2151, 2210, 2334, 2368, 2389, 2444, 2489, 2527, 2532-2533, 2573, 2599, 2612, 2831, 2848, 2709, 2711, 2717, 2748, 2813-2614, 2836, 2846, 2896, 2900, 2936, 2954, 3252, 3532, 3577, 3619, 3693, 3721, 3844, 3847, 3889, 3864, 3906, 3913, 4021, 4056, 4076, 4083, 4148, 4249, 4296, 4298, 4312, 4351, 4363, 4445
FEVER: 533, 1134, 1163, 1400, 1599, 1677, 1717, 1900, 2218-2217, 2471, 2687
FEVER OF UNKNOWN ORIGIN: 533
FIBER OPTICS: 1216, 1856
FIBRIN: 260, 301, 312, 1990, 2777, 2797, 3817
FIBRINOGEN: 1057, I329, 1632, 1655, 212I, 2731, 2777, 2797, 3028, 3162, 3507-3506, 3517
FIBRINOLYSIN: 312
FIBRINOLYSIS: 301, 1816, 1688
FIBRINOLYTIC AGENTS: 312
FIBROBLASTS: 153, 304, 340, 476, 635, 650, 676, 1020, 1099, 1127, 1251, 1582, 2234, 2237, 2791, 3043, 3052, 3339, 3702, 3726, 3922, 3927, 4146
FIBROMA: 828, 2226, 2980
FIBROSARCOMA: 340, 2022, 2416, 3009, 3791, 4203
FIBROSITIS: 4306
FIBROUS DYSPLASIA OF BONE: 380, 1449, 2809, 3764
FIBULA: 26, 112, 2611, 3558
FILARIOIDEA: 3733
FILTRATION: 917
FINANCING, GOVERNMENT: 1944
FINANCING, ORGANIZED: 1944
FINGER JOINT: 210, 2202, 4409, 4417
FINGERS: 487, 923, 1822, 2600, 3806, 3920
FISH DISEASES: 1059, 4272
FISH LIVER OILS: 680
FISH PRODUCTS: 3097, 3653
FISHES: 35, 187, 176, 576, 870, 776, 675, 943, 1059, I512, 1587, 1647, 1860, 1712, 2178, 2276, 2405, 2545, 2554, 2691, 2805, 2920, 3574, 3744, 4328, 4448
FISTULA: 7, 2973
FLATFOOT: 468, 2041
FLIGHT, ANIMAL: 1407
FLOCCULATION: 2658
FLUDROCORTISONE: 503, 834, 1175, 1763, 2050, 3474, 3696, 3767, 4172
FLUFENAMIC ACID: 1765
FLUMETHASONE: 2378, 4224
FLUOCINOLONE ACETONIDE: 13, 552, 1266, 1357, 1459, 1625, 2394, 3957, 4125
FLUORENES: 849
FLUORESCEINS: 2736, 3124, 3684, 3754
FLUORESCENCE: 358-359, 514, 530, 635, 1074, 1320, 1381, 1581, 1977, 2316, 2465, 2977, 3008, 3124, 4006
FLUORESCENCE ANGIOGRAPHY: 742, 1532, 2762, 3648
FLUORESCENCE SPECTROMETRY: 50, 359, 680, 792, 1014, 1047, 1082, 1154, I210, 1506, 1873, 2355, 2516, 3017, 3705, 3890, 4163, 4302
FLUORESCENT ANTIBODY TECHNIC: 64, 88, 295, 328, 875, 697, 747-748, 989, 1I36, 1224, 1253-1254, 1278, 1497, 1575, 1734, 1904, 1953, 1986, 2181, 2164, 2340, 2480, 2830, 2860, 2738, 2848, 2944, 3075, 3124, 3193, 3253, 3282, 3267, 3345, 3853, 3702, 3774, 3799, 4354
FLUORESCENT DYES: 605, 784, 2087, 3965, 4034
FLUORIDATION: 3777
FLUORIDE POISONING: 28, 2450, 3777, 3893
FLUORIDES: 661, 686, 770, 902, 908, 978, 1172, 1355, 1778, 2097, 2123, 2152, 2573, 2768, 2908, 2918, 3703, 3815, 3822, 3893, 4135, 4275
FLUORINE: 207, 1048, 187I, 2278, 2364, 2505, 3186, 3711, 3787, 3893, 4091, 4426, 4455
FLUOROACETATES: 3821
FLUOROMETRY: 31, 378, 583, 673, 706, 784, 676, 975, I014, 1132, 1350, 1525, 1659, 1683, 1908, 2023, 2297, 2465, 2494, 2505, 2667, 2718, 2768, 2842, 3577, 3828, 4008, 4085
FLUOROSCOPY: 556, 939, 2017
FLUOROURACIL: 185, 285, 709, 887, 1934, 1994, 2354, 3386, 3643
FLUOXYMESTERONE: 156, 887, 1345, 2733
FLUPHENAZINE: 1567
FMN: 646
FOCAL INFECTION: 2I79
FOCAL INFECTION, DENTAL: 2I79
FOLIC ACID: 168, 245, 556-559, 3002, 379I
FOLIC ACID ANTAGONISTS: 2028, 3813, 4249
FOLIC ACID DEFICIENCY: 3002, 3794
FOLLICULITIS: 3076
FOLLOW-UP STUDIES: 1, 44-45, 61, 150, 263, 266, 371, 383, 492, 575, 775, 785, 860, 995, 1004, 1075, 1124, 1279, 1454, 15I7, 1519, 1652, 1724, 1737, 1768, 1936, 2039, 2067, 2511, 2522, 2542, 2565, 2647, 2650, 2833, 3116, 3404, 3412, 3480, 3516, 3575, 3594, 3622, 3648, 3747, 3768, 3874, 3877, 3948, 3975, 4041, 4048, 4063, 4210, 4229, 4245, 4274, 4322, 4418
FOOD: 559, 3695
FOOD ADDITIVES: 360I
FOOD ANALYSIS: 3473, 3947
FOOD CONTAMINATION: I142, 1442
FOOD DEPRIVATION: 681, I210, 2922-2923
FOOD, FORTIFIED: 738
FOOD HABITS: 1434, 3040
FOOD HYPERSENSITIVITY: 502
FOOD INSPECTION: 1442
FOOD POISONING: 1142, 1442
FOOD PREFERENCES: 796, 1164
FOOT: 1388, 2810
FOOT DEFORMITIES, ACQUIRED: 468
FOOT DISEASES: 413, 714, 1258
FORAMEN MAGNUM: 3685
FOREARM: 730, 1409, 3070, 3251
FOREARM INJURIES: 3317
FOREIGN BODIES: 930, 943, 1287, 3009, 3781, 4147
FORELIMB: 1169, 2412
FORENSIC MEDICINE: 935, 2225, 2476, 3438
FORENSIC PSYCHIATRY: 775
FORMALDEHYDE: 14, 358, 1977, 2273, 2407, 3057
FORMATES: 2266
FORMIC ACIDS: 194, 877, 1363, 1666, 2006, 3838
FORSSMAN ANTIGEN: 2987, 3146
FOSTER HOME CARE: 4274
FRACTURE FIXATION: 1528
FRACTURE FIXATION, INTERNAL: 292-293, 2372, 3317
FRACTURE FIXATION, INTRAMEDULLARY: 292-293, 1141, 2852, 3317
FRACTURES: 621, 917, 1327, 1623, 2220, 3317, 4011
FRACTURES, SPONTANEOUS: 380, 547, 1134, 1240, 1776, 2597, 3594
FRANCE: 436, 443, 591, 2174, 3254
FREEZE DRYING: 2974, 3035, 3558, 3886, 4039
FREEZING: 665, 1355, 1562, 2399, 3225, 3950, 3974
FREON: 4010
FRESH WATER: 167, 1789, 2920
FREUND'S ADJUVANT: 76, 110, 505, 1893, 1904, 2306, 2803, 3419, 3737, 4244
FROGS: 288, 894, 712, 778, 1280, 1365, 1404, 1548, 1665, 1680, 2232, 2435, 3161, 3205, 3308, 3659, 3782, 4280, 4448
FRONTAL BONE: 1456, 2792, 3438
FRONTAL LOBE: 1294, 1444, 4127
FROSTBITE: 1266
FRUCTOSE: 54-55, 1688, 2504, 2855, 3452, 3883, 3983, 4045
FRUCTOSE DIPHOSPHATASE: 2227
FRUCTOSEDIPHOSPHATE ALDOLASE: I85
FRUCTOSEPHOSPHATES: 3983
FRUIT: 117
FRUSTRATION: 2274
FSH: 10, 97-98, 128, 128, 156, 208, 274, 372, 374, 415, 599, 783, 794, 819, 647, 879-880, 911, 924, 983-985, II61, 1185, I245, I308, I315, 1345, 1353-1354, 1598, 1828, 1722, 1732, 1774, 1782, 1829, 1839, 1642-1843, 1848-1649, 1859, 1955, 2008, 2098, 2149, 2171, 2271, 229I, 2387, 2414, 2459, 2497, 250I, 2585, 2638, 2647, 2682, 2718, 2781, 2785, 2929, 2956, 2993, 3184, 3253, 3257, 3271, 3358, 3403, 3501, 3511, 3556, 3615, 3732, 3768, 3798, 3846-3847, 3854, 3875, 3910, 3914, 3951, 4097, 4149, 4309, 4333, 4335, 4361
FUCOSE: 2852, 3304, 3948
FUNDUS OCULI: 1, 295, 1532, 3928
FUNGI: 2276
FUNGICIDES, INDUSTRIAL: 3981
FURANS: 493, I3I2, 1945
FUROSEMIDE: 38, 135, 1213, I589, 1921, 1992, 2077, 2564, 3102, 4092
FUROSTANS: 1945
FUSARIUM: 1I42, 3046
GAIT: 3423
GALACTOSAMINE: 3209, 3558
GALACTOSE: 683, 2652, 2892, 3209, 3215
GALACTOSEMIA: 241I, 2902
GALACTOSIDASE: 206, 961, 1765-1766, 4199
GALANTHAMINE: 767
GALLBLADDER: 3623, 4257
GALLBLADDER DISEASES: 2103, 2728, 309I, 4001
GALLBLADDER NEOPLASMS: 3290
GALLIC ACID: I80, 4010
GALLIUM: 614, 32I1
GAMMA GLOBULIN: 266, 815, 773, 1904, 2000, 2026, 2137, 2723, 3012, 3124, 3419
GANGLIA: 315, 942, 1580, 2388, 2746, 2756, 2759, 2880-2882, 4059, 4163, 4168
GANGLIA, AUTONOMIC: 465, 693, I762, 1946-1947, 2592, 2773, 3399, 3807
GANGLIA, BASAL: 1294, 1325, I529, 1917, 2035, 2164, 2325, 2400, 2662, 2942, 4174, 4297
GANGLIA, SPINAL: 272, 660, 793, 1663, 2773, 4057
GANGLIONEUROMA: 834, 1305, 1834
GANGLIONIC BLOCKADERS: 17I1, 2500, 3064
GANGLIOSIDES: 663, 2269
GANGRENE: 685, 746, 1759, 3433
GASTRECTOMY: 725, 1844, 3198, 3773, 4398
GASTRIC ACIDITY DETERMINATION: 1538, 3773
GASTRIC FISTULA: 105
GASTRIC JUICE: 105, 601, 624, 2229, 2236, 3377, 3773-3774, 4225
GASTRIC MUCIN: 3377
GASTRIC MUCOSA: 105, 359, 824, 947, 1238, I424, 1565, 1966, 2236, 2349, 2480, 2520, 3773-3774, 4225, 4289, 4346
GASTRIN: 2229, 2511, 2520
GASTRITIS: 656, 1216, 1835, 3377, 3774
GASTROINTESTINAL DISEASES: 958, 1974, 2148, 3557, 4001
GASTROINTESTINAL HORMONES: 2229
GASTROINTESTINAL MOTILITY: 77, 1243, 1687, 2148, 2321, 2800, 3495-3496
GASTROINTESTINAL NEOPLASMS: 43, 436, 801, 913, 2229, 3104, 3707
GASTROINTESTINAL SYSTEM: 723, 1229, 1243, 1324, 2229, 2393, 2607, 3198, 4449
GASTROSCOPY: 856, 1216
GAUCHER'S DISEASE: 4416
GEESE: 1684, 4054
GEL DIFFUSION TESTS: 66, 325, 328, 411, 632, 716, 1050, 1422, 1463, 1562, 1575, 1725, I953, 2000, 2098, 2630, 2704, 3124, 3343-3344, 3607, 3650, 4115, 4165
GEL FILTRATION: 31, 83, 290, 329, 449, 536, 540, 716, 740, 770, 813, 1031, 1102, 1106, I136, 1148, 1167, 1249, 1311, 1340, 1483, 1487, 1539, 1597, 1609, 1638, 1676, 1706, 1832, 1647, 1672, 1901, 1991, 2021, 2029, 2068, 2121, 2173, 2242, 2292, 2402-2403, 2657, 2678, 2696, 2717, 2768, 2780, 2829, 2874, 2895, 2939, 2957, 2972, 3167, 3198, 3234, 3240, 3304, 3358, 3386, 3394, 3458, 3552, 3558, 3663, 3754, 3811, 3815, 3854, 3916, 3933, 3964, 4117
GELATIN: 2347

GELS: 3123, 3365
GENE FREQUENCY: 1723, 3022
GENERAL PRACTICE: 958, 2710, 3521, 4377
GENES: 940, 1032, 1166, 1207, 1634, 1700, 2412, 2490, 2573, 2694, 3093, 3504-3505, 3547, 3676, 3794, 4301
GENES, DOMINANT: 88, 600, 1032, 1634, 2383, 2428, 3464
GENES, LETHAL: 3229, 3533
GENES, RECESSIVE: 88, 157, 600, 797, 1088, 1634, 2383, 3022, 3464, 3533, 3610, 4446
GENES, REGULATOR: 2371, 2656, 3547, 4301
GENES, STRUCTURAL: 883, 1167, 1626, 3212, 3547
GENES, SUPPRESSOR: 3547
GENETIC CODE: 349, 1167, 1631
GENETIC COMPLEMENTATION TEST: 940
GENETIC COUNSELING: 622, 1193, 1270, 1498, 1664, 3022, 3309
GENETIC INTERVENTION: 1193
GENETIC TECHNICS: 635, 1168, 4353
GENETICS: 1667, 2195, 2745, 3568
GENETICS, BEHAVIORAL: 375
GENETICS, BIOCHEMICAL: 265, 539, 1664, 2696, 3105, 3661, 3811, 4301
GENETICS, HUMAN: 1664, 1723, 2581, 2696, 3464
GENETICS, MICROBIAL: 2892, 4301
GENETICS, POPULATION: 800, 1664, 1723
GENICULATE BODIES: 256, 627, 2473, 3397
GENITAL DISEASES, MALE: 620, 2317, 4030
GENITALIA: 2489, 3416, 4097
GENITALIA, FEMALE: 47-48, 745, 974, 1238, 1892, 2093, 2489, 3526
GENITALIA, MALE: 47, 490, 1074, 2198, 2317, 2319, 2342, 2489, 2980, 3128, 3242, 3917
GENOTYPE: 208, 276, 959, 1000, 1193, 1864, 2718, 2924, 3022, 3153, 3229, 3464, 3568, 3778, 4128
GENTAMICIN: 3131
GEOGRAPHY: 1310, 1975
GERBILS: 1555, 2311, 2548, 3905, 4251
GERM CELLS: 1367
GERM-FREE LIFE: 580, 1028, 2505, 4040
GERM LAYERS: 707, 1298, 1852
GERMANIUM: 514
GERMANY: 438, 591, 2812
GERMANY, EAST: 3687
GERMANY, WEST: 1220, 1442, 1517, 2579, 3510, 3740
GESTATIONAL AGE: 16, 52-54, 162, 212, 220, 251, 300, 305, 338, 420, 462-484, 472, 558, 616, 696, 707, 766, 790, 792, 795, 810, 954, 975, 1001, 1156, 1159, 1226, 1261, 1296, 1367, 1478-1479, 1811, 1739, 1749, 1765, 1795, 1825, 1967, 1970, 2013, 2038, 2102, 2138, 2151, 2154, 2208, 2210, 2379, 241I, 2439, 2517-2518, 2573, 2619, 2836, 2896, 2900, 2903, 3004, 3080, 3095, 3111, 3151, 3252, 3440-3441, 3470, 3522, 3529, 3633, 3840, 3892, 3721, 3884, 3904, 3987, 4137, 4150, 4185, 4228, 4296, 4425, 4445
GHANA: 2886
GIANT CELL TUMORS: 3586
GIBBERELLINS: 2278, 3141
GIGANTISM: 1089, 1613, 1759
GILLS: 2450, 3744, 4448
GINGIVITIS: 491, 3380
GINGIVITIS, NECROTIZING ULCERATIVE: 820
GLASS: 930, 1172, 2975
GLAUCOMA: 263, 839, 1315, 1335, 1920, 2290, 2476, 3469, 3678, 4245
GLIBENCLAMIDE: 2683
GLIOBLASTOMA MULTIFORME: 2751
GLIOMA: 11, 193, 759, 1502, 1738, 1834, 3472
GLIOSIS: 1699
GLOBULINS: 1797, 2731, 3463, 3572
GLOBUS PALLIDUS: 1444, 1917, 2882
GLOMERULAR FILTRATION RATE: 36, 91, 461, 1169, 1396, 1403, 1482, 1494, 1683, 2138, 2235, 2284, 2306, 2370, 2645, 3053, 3134, 3444, 3775, 3918, 4161, 4226
GLOMERULONEPHRITIS: 114, 186, 459, 568, 1050, 1165, 1497, 1758, 1793, 2048, 2179, 3075, 3189, 3353, 3580, 4171
GLOTTIS: 235, 1554, 2890
GLOVES, SURGICAL: 24, 3116, 4159
GLUCAGON: 265, 652, 700, 1048-1047, 1103, 1219, 1487, 1490, 1670, 1702, 1763, 1850, 1887, 1992, 2152, 2229, 2573, 2806, 2932, 3209, 3883, 3700, 3769, 3876, 3924, 4119, 4422
GLUCOCORTICOIDS: 60, 138, 171, 216, 285, 344, 477, 519, 525, 592, 856, 693, 714, 719, 773, 916, 930, 966, 1010, 1014, 1029, 1076, 1093, 1098, 1135, 1221, 1269, 1273, 1372, 1379, 1393, 1505-1506, 1528, 1568, 1639, 1695, 1727, 1767, 1889, 1950-1951, 1984, 2107, 2114, 2124, 2328-2329, 2454, 2571, 2600, 2645, 2647, 2685-2686, 2885, 2897, 2947, 2970, 3041, 3323, 3416, 3457, 3490, 3602, 3654, 3662, 3693, 3766, 3928, 3969, 3991, 4003, 4068, 4267, 4269, 4407, 4409, 4412, 4416
GLUCOCORTICOIDS, TOPICAL: 552, 1328, 1459, 1641, 2386, 2632, 3479, 3957, 4026, 4062, 4125, 4426
GLUCONATES: 352, 1446, 2277, 3192
GLUCONEOGENESIS: 456, 881, 1213, 2009, 2158, 2538, 2903, 3427, 3761
GLUCOSAMINE: 1174, 2173, 2234, 2652, 3209, 3558, 3702, 3706, 3946, 3962-3963
GLUCOSAMINIDASE: 206, 4199
GLUCOSE: 5, 45, 50, 54, 74, 165, 354, 363, 499, 548, 711, 792, 800, 857, 870, 681, 885, 956, 1033, 1054, 1078, 1108-1109, 1290-1291, 1319, 1364, 1366, 1487, 1523, 1597, 1632, 1696, 1650, 2061-2042, 2124, 2152-2153, 2206-2207, 2270, 2299, 2308, 2385, 2448, 2481, 2504, 2608, 2614, 2816, 2855, 2861, 2892, 2902-2904, 2923, 2932, 3029, 3113, 3200, 3209, 3215, 3258, 3336, 3379, 3393, 3427, 3451-3452, 3513, 3634, 3639, 3761, 3762, 3804, 3821-3822, 3883, 3896, 3973, 4045, 4144, 4219, 4276, 4304, 4314, 4382, 4447
GLUCOSE TOLERANCE TEST: 135, 203, 347, 548, 847, 857, 905, 1145, 1204, 1645, 1850, 1913, 2023, 2414, 2572, 2818, 2779, 2930, 2951, 3030, 3078, 3258, 3322, 3468, 3580, 3832, 3781, 4070, 4144, 4329
GLUCOSEPHOSPHATASE: 1925, 2902, 3136, 3398, 3720
GLUCOSEPHOSPHATE DEHYDROGENASE: 185, 253, 276, 458, 528, 680, 622, 1884, 1706, 3008, 3055, 3212, 3589, 3720
GLUCOSEPHOSPHATE DEHY- DROGENASE DEFICIENCY: 1723, 2466, 4058
GLUCOSEPHOSPHATE ISOMERASE: 2773
GLUCOSEPHOSPHATES: 2808, 2845, 4287
GLUCOSIDASE: 4199
GLUCOSYLTRANSFERASES: 2173, 2808, 2902
GLUCURONATES: 218, 647, 792, 931, 1031, 1052, 1083, 1551, 1565, 2173, 2794, 2834-2835, 3340, 3930, 3933, 4081
GLUCURONIDASE: 208, 792, 1585, 1819, 1714, 1765-1788, 2679, 2801-2802, 2847, 3720, 3722, 4328
GLUTAMATE DEHYDROGENASE: 39, 528, 1472, 2109, 2493
GLUTAMATES: 40, 51, 315, 389, 711, 865, 1064, 1321, 2009, 2140, 2400, 2874, 2881-2882, 3090, 3238, 3711, 3828, 4305
GLUTAMINASE: 4177
GLUTAMINE: 40, 711, 1697, 2009, 3711, 3838, 3983
GLUTAMINE SYNTHETASE: 1666, 3035, 3711
GLUTAMYL TRANSPEPTIDASE: 1419, 1982
GLUTARATES: 281, 1013, 3828
GLUTATHIONE: 680, 1031, 1146, 1780, 1901, 2151, 2259, 2433, 3826, 4010
GLUTATHIONE REDUCTASE: 832, 680
GLUTEN: 2275, 2417, 2775
GLUTETHIMIDE: 1419, 1619
GLYCERIDES: 3589
GLYCERIN: 5, 133, 290, 595, 1103, 1308, 1409, 2567, 2744, 2779, 3102, 4304
GLYCEROLPHOSPHATE DEHYDROGENASE: 185, 528, 822, 1144, 1374, 1735
GLYCEROPHOSPHATES: 718, 1144, 2591, 3822
GLYCERYL TRINITRATE: 48, 758
GLYCINE: 39, 315, 389, 1404, 2049, 2614, 2731, 2797, 2873, 2882, 2927, 2955, 3178, 3163, 3994, 4279, 4305
GLYCOCHOLIC ACID: 346
GLYCOGEN: 77, 368, 440, 885, 1103, 1368, 1460, 1602, 1678, 1682, 2133, 2272, 2538, 2813, 2900, 2903-2904, 2983, 3029, 3427, 3860, 3781, 3782, 3880, 4287, 4294
GLYCOGEN PHOSPHORYLASE: 58, 716, 2724, 2904, 3225, 3660, 4287
GLYCOGEN SYNTHETASE: 2608, 2902, 2904, 4287
GLYCOGENOSIS: 2343
GLYCOLIPIDS: 1701, 3413
GLYCOLS: 2273, 3032, 4160
GLYCOLYSIS: 351, 456, 700, 810, 1213, 1472, 2061-2062, 2497, 2773, 3822
GLYCOPROTEINS: 411, 762, 890, 960, 1174, 1160, 1403, 1832, 2463, 3027, 3304, 3413, 3478, 3558, 3574, 3737, 3754, 3972, 3962-3983
GLYCOSIDE HYDROLASES: 2902, 3001
GLYCOSIDES: 1945, 2614, 3972
GLYCOSURIA: 792, 2027, 2381, 3817
GLYCOSURIA, RENAL: 2951
GLYCYRRHIZA: 199
GLYOXYLATES: 359
GOATS: 1558-1560, 1986, 2323-2324, 2660, 2855, 2958, 3358, 3548, 3577, 3903, 4075
GOITER: 63, 164, 406, 441, 492, 534, 574, 762, 993, 1162, 1164, 1292, 1468, 1569, 1618, 1724, 1777, 2028, 2130, 2177, 2188, 2285, 2321, 2361, 2526, 2550, 2577, 2926, 3023, 3119, 3263, 3286, 3387, 3484, 4061, 4074, 4096, 4197, 4229, 4247, 4313, 4372
GOITER, ENDEMIC: 1060, 1113, 1431, 2033, 2579, 3049, 3800, 3947
GOITER, EXOPHTHALMIC: 63, 111, 254, 441-442, 586, 662, 1094, 1162, 1276, 1292, 1316, 1467, 1471, 1811, 2183, 2197, 2310, 2436, 2857, 2868, 2956, 3206, 3237, 3387, 3622, 3697, 3716, 4001, 4029, 4052, 4096, 4104, 4388-4389
GOITER, NODULAR: 534, 882, 1467, 1470, 1611, 2079, 2549, 3067, 3206, 3376, 3387, 4029, 4389
GOITER, SUBSTERNAL: 737, 1346
GOLD: 210, 583, 2477, 2571, 3634, 4410, 4412, 4416
GOLD COLLOID, RADIOACTIVE: 939, 3623
GOLD ISOTOPES: 701, 2670, 2793, 4067
GOLGI APPARATUS: 35, 53, 163, 365, 440, 522, 799, 888, 890, 1002, 1053, 1818, 1658, 2084, 2341, 2537, 2838, 2979, 3156, 3349, 3383, 3518-3519, 3554, 3725, 3956, 4035
GONADOTROPINS: 43, 148, 274, 276, 325, 366, 570, 578, 584, 587, 682, 785, 982, 1112, 1165, 1208, 1596, 1746, 1842, 1859, 1972, 2093, 2198, 2312-2313, 2352, 2454, 2535, 2750, 2780, 2901, 2979, 3044, 3319, 3439, 3613, 3875, 3949, 3997, 4070, 4078, 4094, 4188, 4335, 4387, 4458
GONADOTROPINS, CHORIONIC: 107, 117, 158, 173, 278, 286, 305, 325, 394, 437, 444, 501, 578, 686, 982, 1001, 1089, 1112, 1158, 1212, 1245, 1354, 1389, 1452, 1495, 1550, 1602, 1678, 1879, 1688, 1760, 1815, 1839, 1849, 1932, 1938, 1957, 1983, 2008, 2010, 2024, 2358, 2474, 2499, 2828, 2630, 2647, 2764, 2795, 2840, 2906, 2992, 3012, 3142, 3189, 3242, 3253, 3313, 3370, 3390, 3428, 3680, 3788, 3795, 3854, 3882, 3889, 3925, 4009, 4186, 4194, 4215, 4300, 4430
GONADOTROPINS, EQUINE: 102, 208, 248, 325, 570, 688, 1389, 1774, 1815, 1849, 2828, 2785, 2889, 3142, 3408, 3428, 4188, 4194, 4201, 4223
GONADOTROPINS, PITUITARY: 2, 10, 53, 61, 97, 128, 156, 578, 875, 927, 1385, 1598, 1718, 1804, 1922, 2585, 2754, 2804, 2806, 3245, 3253, 3768, 3844, 3889, 4075, 4136, 4215, 4381
GONADS: 556, 958, 1841, 2149, 2302, 2405, 2782, 2806, 3989, 4272
GONANES: 764
GONIOSCOPY: 2478
GONORRHEA: 856, 1689, 2392, 4277
GOODPASTURE'S SYNDROME: 60, 3492, 3560
GOSSYPOL: 1142
GOUT: 84, 118, 210, 591, 2570, 2788, 3834
GRAAFIAN FOLLICLE: 71, 813, 1181, 1194, 1615, 2271, 2421, 2499, 2548, 2811, 2661, 2765, 3011, 3218, 3277, 3345, 3859, 3881, 3925, 4006, 4201
GRAFT REJECTION: 23, 57, 78, 143, 286, 344, 551, 815-818, 748, 906, 1134, 1255, 1289, 1309, 1489, 1517, 1898, 1938, 2081, 2299, 3058, 3066, 3075, 3129, 3153, 3323, 3548, 3682, 3690-3891, 3789, 3810, 3994, 4071, 4154, 4171, 4196-4199, 4238, 4240
GRAFT VS HOST REACTION: 285, 1034, 1333, 2283, 2358
GRAIN: 297, 1779
GRAM NEGATIVE BACTERIA: 1589, 3810
GRANULATION TISSUE: 355, 689, 1020, 4062
GRANULOMA: 1020, 3118, 3737, 4026, 4105
GRANULOSA CELL TUMOR: 988, 2565
GRASSES: 4141
GRASSHOPPERS: 1658, 2866
GRAVITATION: 2299
GREAT BRITAIN: 129, 438, 573, 600, 763, 2775, 3079, 3094, 3168, 4377, 4423
GROSS VIRUS: 736, 1592
GROWTH: 103, 403, 1000, 1134, 1454, 1739, 1699, 2855, 2783, 3287, 3318-3319, 4075-4078, 4097, 4118, 4274
GROWTH DISORDERS: 44, 295, 338, 557, 734, 1123, 1195, 1385, 1449, 1453-1454, 1502, 1955, 2093, 2294, 2664, 2984, 3110, 3252, 3315-3316,

3322, 3336, 3390, 3502, 3804, 3887, 3979, 3985, 4003, 4178, 4217, 4347, 4446
GROWTH SUBSTANCES: 465, 3318
GUAIACOL: 4035
GUANCYDINE: 3227
GUANETHIDINE: 726, 919, 1243, 3399
GUANIDINES: 896, 1609, 3227
GUANINE: 3212
GUANINE NUCLEOTIDES: 884, 3256, 4301
GUANOSINE: 4279
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE: 566, 950-951, 1131, 1856, 1866, 2204, 2293, 2425, 2627, 2824, 3458, 3923, 3996, 4055, 4177
GUANOSINE TRIPHOSPHATE: 1131, 1621, 2558, 2806, 4275
GUANYL CYCLASE: 1131, 3924
GUINEA PIGS: 20, 22, 122-124, 165, 327, 352, 365, 449, 460, 473, 535, 654, 896, 705, 778, 838, 841, 873, 930, 986, 1018, 1019, 1233, 1247, 1257, 1277, 1324, 1341, 1355, 1364, 1460, 1504, 1538, 1559, 1568, 1607, 1668-1669, 1703, 1717, 1765, 1791, 1796, 1878, 1904, 1979, 2031, 2236, 2374, 2463, 2826, 2657, 2715, 2722, 2748, 2770, 2803, 2845, 2857, 2975, 2987, 2994, 3029, 3057, 3086, 3101, 3181, 3296, 3342, 3344, 3347, 3358, 3564, 3570, 3620, 3700, 3710, 3719, 3748-3751, 3769, 3783, 3835, 3837, 3950, 3955, 4075-4076, 4079, 4235, 4244, 4284, 4448
GYMNASTICS: 2568
GYNECOLOGIC DISEASES: 398, 743, 1056, 1191, 1583, 1658, 2065, 2070, 2212, 2231, 2233, 2392, 3228, 3506, 3520, 4334
GYNECOLOGIC NEOPLASMS: 823, 3528, 3643, 3870, 4019
GYNECOLOGY: 1731, 2409, 3334
GYNECOMASTIA: 432, 760, 3077, 3226, 3403, 3406
GYRUS CINGULI: 504, 1325, 1444, 2366, 2662
HABITUATION (PSYCHOPHYSIOLOGY): 267-268, 1176, 2274, 3698
HAEMOPHILUS INFLUENZAE: 1547
HAIR: 806, 2412, 2974, 3604, 3613, 4445-4446
HALF-LIFE: 67, 218, 724, 726, 929, 1358, 1419, 1710, 1891, 1898-1899, 1946, 2358, 2378, 2501, 2734, 2780, 2898, 2913, 3172, 3176-3177, 3346, 3471, 3657
HALLUCINATIONS: 1276
HALLUCINOGENS: 1400, 2260
HALOPERIDOL: 1209, 1587, 1671, 2043, 2498, 3191, 3989
HALOTHANE: 855, 861, 1273, 1382, 1677, 2335, 4303
HAMARTOMA: 1163, 1834
HAMSTERS: 181-182, 189, 201, 324, 335, 372, 571, 605, 698, 724, 745, 777-778, 838, 878, 1108, 1370, 1435, 1670, 1733, 1751, 1831, 1970, 1980, 2111, 2172, 2180, 2191, 2237, 2338, 2891, 3074, 3088, 3125, 3312, 3344, 3532, 3552, 3554, 3637, 3666, 3694, 3702, 3713, 4078, 4113, 4169, 4288, 4311, 4354, 4448
HAND: 84, 166, 496, 746, 923, 1463, 1759, 2551, 2571, 3070, 3251, 3393, 3594, 3677, 3756, 3893, 3920, 3966
HAND DERMATOSES: 1348
HANDLING (PSYCHOLOGY): 582, 2554
HAPLOIDY: 2658, 4353
HAPTENS: 877, 1306
HAPTOGLOBINS: 889, 960
HARDNESS TESTS: 4368
HAVERSIAN SYSTEM: 26, 549, 2973
HAY FEVER: 1570
HEAD: 242, 1314, 2011, 4336
HEAD INJURIES: 226, 1028, 1975, 2932, 3928, 4067
HEADACHE: 145, 3188, 4424
HEALTH: 117
HEALTH EDUCATION: 573, 4325, 4430
HEALTH RESORTS: 2568
HEALTH SURVEYS: 2041
HEARING DISORDERS: 3762
HEART: 28, 89, 118, 304, 344, 497, 577, 615-616, 661, 700, 715, 781, 929, 933, 1057, 1170, 1386, 1516, 1607, 1646, 1763, 1992, 2243, 2462, 2479, 2530, 2563, 2644, 2697, 2749, 2763, 2860, 2872, 2880, 3101, 3159, 3295, 3620, 3660, 3682, 3700, 3769, 3811, 3837, 3978, 4041
HEART ARREST: 155, 2347
HEART ATRIUM: 304, 390, 715, 781, 1341, 1607, 1867, 3101, 3108, 3820, 3700, 3837
HEART AUSCULTATION: 166, 1630, 3423, 4123
HEART BLOCK: 1756, 1759, 2664, 2765, 2827, 3603
HEART CATHETERIZATION: 232, 287, 1222, 1470, 1830, 1992, 2452, 2664, 3975, 4156-4157
HEART CONDUCTION SYSTEM: 1646, 1763, 2765, 3603, 3769, 4308
HEART DEFECTS, CONGENITAL: 278, 1211, 1624, 1758, 2279, 2664, 2815, 4082, 4173
HEART DISEASES: 287, 497, 933, 1423, 1470, 1710, 1992, 2103, 2633, 3156, 4380, 4389, 4434
HEART ENLARGEMENT: 2697, 3423, 4123, 4157, 4380
HEART FAILURE, CONGESTIVE: 101, 226, 254, 1317, 1758, 1992, 2190, 2241, 2999, 4005, 4380
HEART FUNCTION TESTS: 232, 1462, 2999, 3769
HEART INJURIES: 287
HEART MASSAGE: 155, 2347, 3325
HEART RATE: 18, 22, 55, 154, 196, 232, 247, 390, 476, 608, 1143, 1252, 1273, 1411, 1492, 1524, 1608, 1646, 1760, 1863, 1885, 1952, 2104, 2333, 2377, 2396, 2496, 2636, 2677, 2784, 2817, 3296, 3327, 3362, 3417, 3689, 3692, 3807, 3858, 3978, 4041
HEART SEPTAL DEFECTS: 1798, 2664
HEART SEPTAL DEFECTS, ATRIAL: 2472
HEART SEPTUM: 3565
HEART SURGERY: 2472, 2635
HEART VALVE DISEASES: 2635, 3975, 4005
HEART VALVE PROSTHESIS: 2635
HEART VENTRICLE: 304, 1646, 2573, 2891
HEAT: 99, 594, 877, 950, 1148, 1172, 1422, 1597, 1627, 1717, 2088, 2216, 2303, 2331, 2624, 2696, 2943, 3013, 3291, 3577, 3811, 3827-3828, 3850, 3873, 4409
HEEL: 3091
HELA CELLS: 863, 1167, 1311, 3264, 3799
HELIUM: 2450
HELMINTHIASIS: 1059, 1959
HELMINTHS: 2276, 2355
HEMADSORPTION: 3253, 3810
HEMAGGLUTINATION INHIBITION TESTS: 817, 1602, 1953, 1972, 4367
HEMAGGLUTINATION TESTS: 179, 696, 989, 1278, 1316, 1582, 1869, 2005, 2350, 2358, 3048, 3146, 3810, 3994
HEMAGGLUTINATION, VIRAL: 3413, 4002
HEMANGIOENDOTHELIOMA: 321
HEMANGIOMA: 2890
HEMANGIOMA, CAVERNOUS: 1447
HEMANGIOPERICYTOMA: 4386
HEMATOCRIT: 67, 122, 260, 455, 670, 859, 1138, 1194, 1273, 1425, 1461, 1464, 1534, 1885, 1896, 2169, 2175, 2563, 2593, 2719, 2822, 3507, 4024
HEMATOLOGIC DISEASES: 3644, 4437
HEMATOLOGY: 539
HEMATOMA: 977, 3899
HEMATOMA, EPIDURAL: 1456
HEMATOPOIESIS: 251, 519, 2888
HEMATOPOIETIC STEM CELLS: 519, 566, 882, 2961, 4218, 4222
HEMATOPOIETIC SYSTEM: 2961
HEMATURIA: 1497, 1682, 1963, 2375, 2854
HEME: 567, 1290-1291, 2745, 3669, 3794, 4035
HEMEPROTEINS: 567, 2745, 3669
HEMICHOLINIUM 3: 1364, 3399
HEMIPLEGIA: 213, 977, 3311, 3416, 4382
HEMOCHROMATOSIS: 2570
HEMOCYANIN: 4339
HEMODIALYSIS: 23, 151, 266, 345, 612, 761, 1165, 1644, 2245, 2472, 2519, 2551, 2578, 2915, 3169, 3232-3233, 3346, 3403, 3433-3434, 3509, 3594, 3784
HEMODYNAMICS: 232, 390, 917, 1411, 1461-1462, 1470, 1760, 1942, 2607, 2625, 2999, 3053, 3266, 3769, 3841, 3978, 4262
HEMOGLOBIN: 129, 278, 733, 780, 1138, 1291, 2041, 2593, 2694, 2825, 3723
HEMOGLOBINOMETRY: 558, 667, 659, 1194, 1962, 3282, 3731, 4419
HEMOGLOBINOPATHIES: 1723
HEMOGLOBINURIA, PAROXYSMAL: 773
HEMOLYMPH: 1789, 2666
HEMOLYSINS: 3994
HEMOLYSIS: 3011, 3146, 3655, 4058
HEMOLYTIC PLAQUE TECHNIC: 2005, 2283, 3790
HEMOLYTIC-UREMIC SYNDROME: 832
HEMOPERITONEUM: 2039, 2472, 2623
HEMOPEXIN: 960
HEMOPHILIA: 283, 2289
HEMOPTYSIS: 546
HEMORRHAGE: 36, 364, 466, 729, 833, 1120, 1547, 2026, 2077, 2224, 2289, 2472, 2623, 2980, 3025, 3679, 3691, 3797, 4128, 4336
HEMORRHAGE, GASTROINTESTINAL: 114, 754, 771, 833, 1218, 1771, 2520, 3025, 3457, 3773, 3899, 4346, 4365
HEMORRHAGE, POSTPARTUM: 1586, 3830
HEMORRHAGIC DIATHESIS: 307, 1547, 3441
HEMOSIDEROSIS: 546
HEMOSTASIS: 466, 4147, 4191
HEMOTHORAX: 226, 1526
HEPARIN: 507, 568, 696, 719, 832, 1538, 1574, 1990, 2135, 2220, 2336, 2472, 2964, 3401, 3766, 3922
HEPARITIN SULFATE: 494-495
HEPATECTOMY: 67, 849, 3198, 3306, 3624, 4045, 4222, 4361, 4398
HEPATIC ARTERY: 4264
HEPATIC COMA: 1692, 1885
HEPATIC DUCT: 94
HEPATIC VEINS: 1573, 2916, 2957
HEPATITIS: 893, 1042, 1094, 1221, 1316, 2695, 2723, 2925, 3128, 3997, 4109, 4344, 4414
HEPATITIS, ANIMAL: 4109
HEPATITIS, HOMOLOGOUS SERUM: 1463, 2039
HEPATITIS, INFECTIOUS: 435, 525, 538, 855, 1056, 1463, 1692
HEPATITIS, TOXIC: 299, 624, 705, 855, 1437, 2146, 2365, 3997, 4109, 4310
HEPATITIS VIRUS, HOMOLOGOUS SERUM: 1463
HEPATOLENTICULAR DEGENERATION: 1445
HEPATOMA: 93, 585, 800, 1158, 1443, 1506, 1622, 1927, 2059, 2200, 3791, 4022, 4053-4054, 4165
HEPATOMEGALY: 49, 1613, 2419, 2471, 3132, 3502, 4418
HEPTOSES: 1204
HERBS: 2713
HEREDITARY DISEASES: 1723, 3464
HERMAPHRODITISM: 405, 1072, 1272, 1498, 1976, 2490, 2689, 3610
HERNIA: 1801
HEROIN ADDICTION: 2039
HERPES SIMPLEX: 1869
HERPES ZOSTER: 517, 2976, 4166
HERPESVIRUS HOMINIS: 1005, 1869, 3702, 4016
HETEROCHROMATIN: 530, 678, 1251, 2757, 3443, 3541
HETEROCYCLIC COMPOUNDS: 1282
HETEROZYGOTE: 500, 633, 1193, 1895, 2412, 2428, 2466, 3121, 3464, 3541, 3811
HEXACHLOROPHENE: 1590
HEXAMETHONIUM COMPOUNDS: 1364, 3056, 3399, 4043
HEXESTROL: 1509
HEXOBARBITAL: 931, 2877, 3297
HEXOKINASE: 822, 1337, 2773, 2904
HEXOSAMINES: 782, 2029, 2652, 3209, 3304, 3812, 3982
HEXOSAMINIDASES: 3052
HEXOSES: 907, 2658, 3304, 3558
HEXOSYLTRANSFERASES: 931, 1862, 2173
HIBERNATION: 3109, 3216
HINDLIMB: 758, 1411, 1531, 1536, 1886, 2075, 2125, 2884, 2911, 3411, 3546, 4331
HIP: 909, 1993, 2372
HIP DISLOCATION, CONGENITAL: 997, 1025, 4224
HIP JOINT: 466, 909, 1128, 2372, 3489, 3654, 4409
HIPPOCAMPUS: 256, 421, 848, 854, 1063, 1325, 1407, 1444, 1530, 1543, 1803, 1948, 2140, 2249, 2255, 2325, 2366, 2506, 2561, 2662, 2861, 2910, 3595, 3696, 3953, 4127, 4161, 4174
HIRSUTISM: 107, 743, 1091, 2783, 2795, 2905, 3709, 3817, 4104, 4340
HISTAMINASE: 1538, 4373, 4384
HISTAMINE: 14, 93, 315, 395, 721, 624, 873, 947, 986, 1246, 1450, 1535, 1537, 1630, 2071, 2281, 2325, 2560, 2607, 2716, 2803, 2829, 2845, 2908-2910, 2939, 2987, 3072, 3288-3289, 3296, 3329, 3347, 3377, 3564, 3700, 4119, 4185, 4225, 4259, 4343
HISTAMINE LIBERATION: 50, 395, 862, 1029, 1538, 2798, 3000
HISTIDINE: 580, 721, 628, 1070, 1775, 2151
HISTIOCYTES: 621, 727, 3078, 3132
HISTOCOMPATIBILITY: 906, 1032, 1664, 3075, 3203, 3596, 3691, 3725, 3871, 4154
HISTOCOMPATIBILITY ANTIGENS: 328, 1034, 1582, 1797, 1809, 3059, 3153, 3799, 3871, 4126, 4130, 4311
HISTOCOMPATIBILITY TESTING: 266, 906, 1134, 1309, 2081, 2417, 3548, 4171, 4198
HISTOCYTOCHEMISTRY: 39, 190, 358-360, 365, 528, 563, 654, 693, 843, 854, 912, 930, 1020, 1171,

1274, 1325, 1424, 1512, 1617, 1687, 1703, 1735, 1826, 1682, 1917, 1919, 2115, 2125, 2129, 2139, 2218, 2268, 2388, 2407, 2453, 2465, 2473, 2561, 2591-2562, 2605, 2648, 2653, 2660, 2662, 2749, 2751, 2843, 2851, 2978-2979, 3012, 3018, 3036, 3055, 3181, 3241, 3366, 3396, 3543, 3635, 3666, 3849, 3888, 3896, 4016, 4248, 4317, 4328, 4352, 4442
HISTOLOGICAL TECHNICS: 230, 888, 1020, 1362, 1794, 1915, 2234, 2407, 2689, 3157, 3420, 3442, 3570, 3576, 3635, 3650
HISTOLOGY, COMPARATIVE: 898, 1002, 1248, 1325, 2838, 3554, 4006
HISTONES: 651, 1330, 1708, 2362, 2540, 2627, 2857, 2721, 2873, 3256, 3552, 4089
HISTOPLASMOSIS: 620, 1372, 3648
HISTORICAL ARTICLE: 536, 591, 723, 1286, 1682, 1731, 1777, 1910, 2066, 2076, 2174, 2250, 2291, 2409, 2458, 2595, 3005, 3051, 3254, 3356, 3940, 3947, 4247, 4289
HISTORICAL BIOGRAPHY: 1286, 1731, 1777, 1910, 2409, 3051, 3640, 4247
HISTORY OF MEDICINE, ANCIENT: 1682, 2076, 2853, 3005, 3947
HISTORY OF MEDICINE, 15TH CENT.: 2076, 3947
HISTORY OF MEDICINE, 16TH CENT.: 2076, 3947
HISTORY OF MEDICINE, 17TH CENT.: 1731, 2076, 2409, 2853, 3947
HISTORY OF MEDICINE, 18TH CENT.: 1731, 2076, 2409, 2595, 3947
HISTORY OF MEDICINE, 19TH CENT.: 561, 1286, 1777, 1910, 2078, 2853, 3051, 3640, 3947, 4247
HISTORY OF MEDICINE, 20TH CENT.: 539, 591, 723, 1910, 2066, 2174, 2250, 2291, 2458, 2853, 3051, 3254, 3356, 3947, 4289
HISTORY OF MEDICINE, MEDIEVAL: 2076, 2853, 3947
HOARSENESS: 1507
HODGKIN'S DISEASE: 90, 606, 672, 904, 913, 1338, 1875, 2025, 2040, 2058, 2383, 2810, 3211, 3260, 3559, 3644, 3637, 4193
HOME CARE SERVICES: 3687
HOMEOSTASIS: 563, 1046, 1192, 2315, 2370, 2389, 2645, 2903, 2643, 2661, 3084, 4216, 4222, 4370, 4420
HOMOCYSTEINE: 2239
HOMOCYSTINURIA: 3831, 4413
HOMOGENTISIC ACID: 4297
HOMOSERINE: 2239
HOMOSEXUALITY: 656-957, 1284
HOMOSTEROIDS: 1666
HOMOVANILLIC ACID: 1466, 2184, 2166, 3116
HOMOZYGOTE: 2412, 3121, 3146, 3464, 3533, 3541
HOOF AND CLAW: 714
HOOKWORM INFECTIONS: 677, 1572
HORMONES: 132, 142, 345, 386, 411, 576, 561, 703, 723, 918, 1013, 1078, 1304, 1369, 1565, 1652, 1773, 1914, 2056, 2241, 2352, 2386, 2474, 2573, 2803, 2875, 3105, 3162, 3352, 3522, 3569, 3773, 3888, 4037, 4059, 4082, 4218, 4230, 4437
HORMONES, ECTOPIC: 43, 191, 747, 927, 1702, 1727, 2875, 3077, 3128
HORNER'S SYNDROME: 3424
HORSE DISEASES: 714, 827, 1273, 4068
HORSES: 56, 66, 331-332, 615, 714, 740, 827, 687, 1129, 1273, 1562, 2466, 3129, 3413, 3548, 3765, 3881, 3994, 4068, 4076, 4223
HOSPITAL FOOD SERVICE: 3947
HOSPITALIZATION: 2992
HOSPITALS: 2117
HOSPITALS, PSYCHIATRIC: 4136
HOSTILITY: 1991
HOUSEFLIES: 2132
HOUSING, ANIMAL: 96, 234, 384, 1553, 2427, 2651, 3067, 3126, 3165, 3493, 4013, 4168
HUMAN: 1-4, 7-6, 11-13, 16-18, 21, 23-24, 26, 31-32, 34, 41-49, 56, 60-61, 63-65, 70, 72-73, 75-76, 61-64, 87-68, 90-91, 93-95, 97, 99-101, 103-104, 107-108, 111-114, 116-121, 128-126, 132-134, 136-140, 142-143, 145-151, 154-156, 158-159, 161, 163-164, 166, 168, 173-174, 179, 165-166, 168, 161-192, 164-196, 198-199, 203-206, 210, 212-214, 216-217, 220-222, 225-226, 228, 232, 235, 239-241, 243, 246, 249-252, 254, 257, 259, 261-264, 266, 271, 273-279, 282-284, 286-287, 291, 293, 295-296, 298-300, 302, 305-307, 309-310, 312-314, 316-323, 326, 333-334, 338, 341, 345, 347-348, 353, 355, 361-364, 366, 366, 371, 376-377, 379-381, 383, 385, 387, 391-392, 395, 397-399, 401-408, 410-411, 413-414, 418-420, 423-425, 428-426, 432, 435, 437, 436, 441-444, 446, 448-451, 453, 458-459, 482-483, 485-467, 469, 472, 474-477, 479-480, 482-483, 485, 487-492, 496-505, 507-509, 511, 515-520, 523, 525-528, 530-534, 536, 538-540, 543-544, 546-546, 551-554, 556-560, 564-565, 568-586, 571, 573-575, 576, 581, 583-584, 588-587, 586-562, 566, 566-610, 612-613, 617-624, 826, 633-639, 641, 643, 652-653, 855-657, 662-663, 667, 671-672, 674, 676-676, 683-685, 687, 686, 661, 664, 667, 701, 703-704, 709, 712, 716-717, 719-720, 723, 725, 727, 730-731, 733-734, 737-739, 741-744, 748-746, 752-754, 756, 756-783, 768, 771-781, 783, 785, 767-768, 790-762, 794-797, 799, 601, 605-606, 610-613, 817, 820, 625, 828, 630-834, 836-838, 641-842, 846-647, 650, 653, 855-857, 859-861, 863, 867, 870, 874, 676, 665-888, 692-894, 899, 902, 904, 906, 909, 611, 915, 622-923, 627-929, 633-635, 637, 936, 941, 943, 946, 648, 652, 655-658, 960, 962-963, 965, 967, 969-670, 674, 977-676, 681, 987-986, 661, 663-997, 696-1002, 1004, 1006, 1011, 1014-1017, 1021, 1024-1025, 1027-1029, 1031, 1037, 1040, 1042-1045, 1046-1050, 1052, 1054-1057, 1060-1061, 1065-1069, 1071, 1073-1075, 1079-1081, 1083-1086, 1091, 1093-1094, 1096, 1096-1101, 1104, 1109, 1111, 1113-1115, 1116, 1121, 1123-1130, 1134-1138, 1138
1141-1143, 1145-1151, 1154-1155, 1158-1163, 1166, 1170-1173, 1178, 1176, 1182-1185, 1168, 1190-1191, 1163-1196, 1166-1200, 1202, 1205-1208, 1211-1212, 1214-1215, 1217-1218, 1220-1222, 1225, 1227, 1234-1235, 1237-1240, 1242, 1250-1251, 1253-1254, 1258, 1260, 1264, 1266-1267, 1269-1270, 1272, 1276, 1278-1276, 1281, 1286, 1288, 1262-1293, 1296, 1296, 1301-1302, 1305, 1307-1309, 1311-1313, 1315-1316, 1320, 1322-1323, 1328-1329, 1334-1340, 1342-1349, 1352-1353, 1356-1357, 1360-1382, 1367, 1370, 1372-1373, 1375-1377, 1379, 1381, 1384-1385, 1388, 1390-1391, 1393-1394, 1396, 1398, 1401, 1403, 1407, 1409, 1412-1413, 1417, 1419-1421, 1423, 1426, 1429, 1431, 1433-1434, 1438, 1441, 1445-1449, 1451, 1453-1456, 1458-1459, 1481-1471, 1473-1474, 1476, 1476-1476, 1481-1482, 1484-1486, 1489-1461, 1463-1465, 1497-1499, 1501-1504, 1507, 1509, 1513-1517, 1516, 1524-1526, 1532-1534, 1538, 1540-1542, 1544-1547, 1552, 1554, 1556, 1561, 1563, 1565-1566, 1568-1571, 1573-1576, 1583-1584, 1586, 1586, 1591, 1563-1565, 1598-1600, 1602-1606, 1608, 1610-1616, 1620, 1622-1623, 1625-1627, 1629-1632, 1636, 1638-1641, 1643-1644, 1648, 1851-1652, 1655, 1657-1859, 1661, 1664-1665, 1687, 1676, 1680-1682, 1684-1688, 1690-1662, 1694-1665, 1667, 1696, 1702, 1705-1706, 1709-1710, 1713-1715, 1720, 1722-1724, 1726, 1728-1726, 1731, 1734, 1736-1738, 1740, 1742-1744, 1747-1749, 1752, 1755-1756, 1763, 1767-1773, 1777-1776, 1760-1761, 1763, 1765-1768, 1790-1791, 1793, 1798-1799, 1601-1802, 1804, 1806-1808, 1610-1812, 1815, 1617-1620, 1622-1625, 1627-1828, 1834-1835, 1838-1636, 1841-1846, 1850, 1654-1656, 1860-1661, 1663, 1668-1670, 1673-1879, 1681, 1685, 1888-1862, 1664, 1903, 1905, 1907, 1909, 1611-1615, 1916, 1920, 1623, 1926-1631, 1633-1937, 1942-1944, 1950-1651, 1653-1655, 1957-1958, 1962, 1964-1966, 1968, 1671-1672, 1674-1978, 1981, 1983-1984, 1987, 1669-1694, 2000-2001, 2004, 2008, 2010-2014, 2016-2019, 2022-2027, 2029-2030, 2032-2034, 2036-2042, 2045-2046, 2053, 2055
2058, 2060, 2064-2065, 2067-2071, 2073-2074, 2077-2079, 2081, 2083-2084, 2087, 2086, 2091-2094, 2096-2097, 2100, 2102-2104, 2108, 2110, 2112-2114, 2116-2123, 2126, 2128-2132, 2134, 2136-2137, 2145, 2148-2150, 2154-2155, 2159-2163, 2166, 2168-2170, 2174, 2176-2177, 2179-2160, 2182-2164, 2186-2190, 2194, 2197-2198, 2200, 2202-2203, 2205-2207, 2210-2212, 2214-2217, 2219-2222, 2225-2226, 2229, 2231, 2233, 2235, 2238, 2240-2241, 2245-2248, 2251-2253, 2260, 2264, 2267-2268, 2272, 2275, 2277, 2279, 2281, 2285-2290, 2294, 2296, 2298, 2300-2302, 2304, 2309-2310, 2312-2315, 2317, 2320-2322, 2325-2326, 2328-2329, 2332, 2334, 2336, 2338-2336, 2343-2347, 2352, 2354, 2356-2357, 2359-2381, 2364, 2366, 2368-2370, 2372-2373, 2375-2376, 2376-2381, 2383, 2386-2387, 2389-2394, 2396-2398, 2401, 2404, 2408-2409, 2411, 2413-2415, 2417-2418, 2421-2424, 2428, 2430-2432, 2436-2437, 2439, 2441-2443, 2445-2446, 2449, 2451-2452, 2454-2457, 2464, 2466, 2468-2466, 2471-2472, 2474-2476, 2478-2480, 2482-2483, 2485-2487, 2491, 2465, 2499, 2501, 2503, 2509-2512, 2514, 2517-2519, 2521-2527, 2531-2533, 2539, 2541-2543, 2546-2547, 2549-2552, 2556-2557, 2559-2560, 2585-2566, 2568, 2570-2571, 2573-2574, 2577-2576, 2581-2585, 2587-2590, 2593-2595, 2597, 2596-2603, 2606, 2609-2810, 2613, 2615-2817, 2619-2820, 2623-2825, 2831-2833, 2835, 2837-2838, 2841, 2843, 2645-2650, 2654-2655, 2859, 2683-2664, 2668, 2670-2673, 2877, 2681-2683, 2685-2690, 2663, 2895-2696, 2701-2702, 2704, 2708-2711, 2714, 2717, 2720-2723, 2728, 2732-2735, 2738, 2741-2745, 2747-2748, 2751, 2760-2782, 2785-2767, 2769-2772, 2775, 2777-2779, 2781, 2783, 2786, 2769-2791, 2763, 2795, 2797-2798, 2801-2802, 2804, 2806-2807, 2809-2812, 2815, 2817-2816, 2820-2823, 2825, 2827-2828, 2830, 2833-2835, 2837, 2840-2841, 2844, 2846-2847, 2849-2850, 2852-2854, 2856-2857, 2859, 2862-2863, 2865, 2868, 2870-2872, 2875-2876, 2878-2876, 2863, 2885-2887, 2890, 2893, 2896, 2866-2899, 2901-2903, 2905-2906, 2912, 2914-2915, 2617
2625-2928, 2630, 2932, 2936-2939, 2948-2651, 2956-2657, 2959, 2961-2962, 2664, 2966, 2970-2971, 2973, 2978, 2981, 2984-2986, 2966-2969, 2691-2996, 2699, 3003-3006, 3008, 3010, 3012, 3014-3016, 3019, 3022-3025, 3027, 3030-3032, 3034, 3038, 3040-3043, 3045, 3046-3049, 3052-3054, 3061, 3063-3064, 3067, 3066-3071, 3073, 3075-3078, 3080-3083, 3085, 3091-3098, 3100, 3102-3104, 3106-3107, 3110-3112, 3114, 3116-3123, 3128-3129, 3131-3132, 3134-3135, 3138-3140, 3145-3146, 3152, 3155, 3182-3166, 3171, 3173, 3179-3181, 3186, 3188, 3190, 3193, 3196-3167, 3166, 3202-3203, 3206, 3208, 3210-3212, 3218-3221, 3228, 3231-3233, 3236-3237, 3239-3243, 3245-3246, 3250-3254, 3258, 3260-3263, 3265, 3267-3268, 3271, 3274, 3277-3281, 3284-3287, 3290, 3292-3293, 3265, 3299-3302, 3304-3305, 3309, 3311, 3313-3317, 3319, 3322-3328, 3330, 3334, 3336-3339, 3341, 3346, 3348-3349, 3351, 3353-3355, 3358-3363, 3367-3368, 3370-3371, 3373-3377, 3379, 3381, 3384-3385, 3387-3361, 3365, 3400-3401, 3403-3406, 3410, 3412, 3415-3417, 3421-3428, 3428, 3430, 3432-3438, 3438, 3440-3442, 3446-3448, 3455, 3457, 3459, 3462-3471, 3473-3482, 3484-3492, 3500, 3502, 3506, 3509-3511, 3514-3516, 3520-3522, 3524-3526, 3529-3531, 3537, 3539, 3542-3545, 3547-3548, 3553, 3556-3581, 3571-3572, 3575, 3577-3576, 3560-3581, 3563, 3585-3586, 3588, 3590-3594, 3566-3597, 3569-3600, 3602-3606, 3608-3609, 3811, 3613-3617, 3622-3623, 3625-3627, 3629, 3632-3633, 3636-3637, 3640-3645, 3647-3648, 3650, 3652, 3654-3655, 3656, 3660, 3662, 3664, 3686-3670, 3673-3674, 3676-3678, 3680-3681, 3683, 3685-3688, 3692-3696, 3696, 3701, 3704, 3707-3709, 3712, 3714-3716, 3720-3721, 3723-3724, 3726, 3732-3734, 3736, 3738, 3742-3743, 3746-3747, 3752, 3756-3757, 3756, 3761-3768, 3770, 3773-3778, 3780, 3763-3784, 3763-3794, 3767, 3796-3803, 3806, 3808, 3810-3812, 3814, 3818-3817, 3819, 3821-3822, 3825, 3830-3831, 3833, 3836, 3843-3845, 3848-3849, 3853-3854, 3858, 3863-3867, 3870-3871, 3873-3877, 3882, 3884-3885, 3887
3886, 3891-3894, 3899-3900, 3904, 3906-3907, 3910-3611, 3914-3616, 3616, 3920-3921, 3925-3934, 3636-3941, 3944-3945, 3947-3948, 3950-3952, 3656-3957, 3963, 3665-3971, 3674-3679, 3964-3966, 3691, 3994, 3997-4005, 4009, 4011, 4014-4019, 4021-4026, 4028-4036, 4038, 4041-4043, 4047-4048, 4052, 4056, 4058, 4061-4067, 4070-4071, 4073-4076, 4080-4082, 4084, 4087-4088, 4090, 4094-4098, 4100-4102, 4104-4105, 4108-4109, 4111, 4114, 4116, 4118, 4121, 4123, 4125, 4128-4129, 4131-4133, 4136-4138, 4143-4145, 4150, 4153, 4155-4159, 4162-4166, 4168, 4170-4171, 4173, 4176, 4178-4161, 4165, 4167, 4189-4163, 4197, 4199, 4202-4203, 4205-4207, 4210-4211, 4217-4216, 4226, 4228-4231, 4233, 4238-4243, 4245-4247, 4249, 4253, 4255-4259, 4261-4265, 4267-4271, 4273-4274, 4277, 4281, 4283, 4285-4286, 4292, 4295-4296, 4296-4300, 4306, 4309-4310, 4312-4313, 4316-4316, 4322, 4325, 4327, 4329-4330, 4332, 4334-4336, 4338, 4340-4342, 4344-4345, 4347-4348, 4350, 4355, 4358, 4360, 4363-4364, 4366, 4368, 4370-4435, 4437, 4439-4442, 4444, 4446-4447, 4446-4456
HUMERUS: 84, 112, 2769, 2819, 2928, 3622
HUMIDITY: 1342
HUNGER: 117, 798, 1331, 2389
HYALINE MEMBRANE DISEASE: 3208, 4376
HYALURONIC ACID: 494-465, 3961
HYALURONIDASE: 576, 1247, 1548, 1550, 1932, 1953, 2029, 4409
HYBRID CELLS: 1664, 3212
HYBRID VIGOR: 659

HYBRIDIZATION: 208, 689, 940, 1707, 2080, 3137, 3587-3568, 3861
HYDANTOINS: 1070, 1775
HYDATIDIFORM MOLE: 65, 150, 220, 553, 1688, 1874, 2102, 2145, 2522, 2908, 3415, 3475, 3871, 3970
HYDRALAZINE: 4414
HYDRAZINES: 58, 280-281, 409, 576, 1209, 2405, 2880, 4230
HYDROCARBONS, HALOGENATED: 1442, 4310
HYDROCELE: 999, 3118
HYDROCEPHALUS: 642, 1025, 1207, 1235, 1603, 1899, 1834, 2102, 2360, 2901, 4087, 4098
HYDROCHLORIC ACID: 3048, 4020
HYDROCHLOROTHIAZIDE: 9, 919, 995, 1921, 3193
HYDROCORTISONE: 6, 23, 44-45, 82, 110, 122, 125, 133, 171-172, 222, 232, 251-252, 282, 309, 345, 413, 525, 538, 544, 589, 598, 825, 649, 652, 885, 875, 710, 724, 750, 789, 774, 778, 783, 787, 794, 800, 834, 644-648, 657, 955, 959, 974-975, 988, 1036, 1042, 1098, 1129, 1160, 1204, 1260, 1290-1291, 1303, 1308, 1311-1312, 1329, 1334, 1352, 1414, 1430, 1443, 1505-1506, 1523, 1528, 1577, 1614, 1845, 1894, 1721, 1726, 1737, 1757, 1765, 1796, 1619, 1632, 1652, 1664, 1666, 1691, 1696, 1991, 1998, 2006, 2012-2013, 2026, 2050, 2055, 2099, 2109-2110, 2151, 2236, 2239, 2266, 2348, 2380, 2373, 2414, 2427, 2453, 2531-2532, 2546, 2580, 2642, 2645-2646, 2717, 2743, 2758, 2795, 2616, 2837, 2850, 2873, 2885, 2893, 2897, 2901, 2916, 2932, 2938, 2957, 2966, 2993, 3029, 3035, 3045, 3057, 3066, 3148, 3167, 3195, 3208, 3215, 3234, 3258, 3264, 3269, 3293, 3315, 3351, 3414, 3421, 3455-3456, 3471, 3474, 3517, 3532, 3569, 3573, 3577, 3588, 3619, 3632-3633, 3646, 3850, 3688, 3696, 3711, 3719, 3726, 3741, 3790, 3805, 3806, 3816, 3841, 3867, 3875, 3876, 3884, 3892, 3899, 3924, 3927, 3951, 3962-3963, 3979, 4004, 4045, 4069, 4092-4093, 4111, 4158, 4172, 4176, 4179, 4199, 4217, 4220, 4267, 4290, 4393, 4401, 4421
HYDROCORTISONE, TOPICAL: 941, 1258, 1280, 2442, 2776, 4062, 4125
HYDROGEN: 2955, 3350
HYDROGEN-ION CONCENTRATION: 57, 93, 99, 105, 131, 141, 158, 290, 422, 452, 473, 540, 658, 668, 691, 716, 740, 650, 906, 951, 1040, 1064, 1067, 1077, 1101, 1121, 1194, 1202, 1229, 1311, 1384, 1422, 1539, 1649, 1701, 1760, 1885, 1922, 1931, 2068, 2097, 2107, 2162, 2230, 2236, 2399, 2425, 2493, 2835, 2656, 2674, 2749, 2906, 2952, 2975, 3046, 3052, 3054, 3241, 3288, 3365, 3386, 3480, 3565, 3577, 3598, 3681, 3763, 3913, 3919, 3946, 3982, 3971, 3967, 4049, 4051, 4057, 4059, 4066, 4091, 4162, 4272, 4286, 4356, 4451
HYDROGEN PEROXIDE: 3667, 4035
HYDROGENATION: 681, 1483
HYDROLASES: 3829, 3988
HYDRO-LYASES: 2239, 2292
HYDROLYSIS: 31, 513, 681, 792, 953, 1014, 1046, 1055, 1121, 1585, 1615, 1619, 1669, 2006, 2121, 2132, 2528, 2606, 2674, 2729, 3027, 3354, 3450, 3458, 3519, 3824, 3627, 3872, 3933, 3946, 4046, 4286, 4317
HYDRONEPHROSIS: 2110
HYDROQUINONES: 1012, 2433
HYDROXAMIC ACID: 13, 152
HYDROXIDES: 37, 4369
HYDROXYAPATITE: 950, 2122, 2367, 2627, 2792, 2974, 3291
HYDROXYBUTYRATE DEHYDROGENASE: 1406
HYDROXYBUTYRATES: 711, 1064, 1585, 3883, 4304, 4328
HYDROXYCHLOROQUINE: 3193, 4410
HYDROXYCHOLECALCIFEROL: 515, 1102, 1192, 2541, 2853, 2912, 3094, 3274, 4387
11-HYDROXYCORTICOSTEROIDS: 62, 769, 1798, 2112-2113, 2883, 2726, 2901, 2905, 2956, 3827, 3870, 3678, 4205
17-HYDROXYCORTICOSTEROIDS: 107, 348, 371, 474, 630, 672, 710, 750, 794, 647, 1015, 1026, 1584, 1612, 1749, 1796, 1605, 1966, 2092, 2112-2113, 2247, 2352, 2443, 2475, 2610, 2646, 2665, 2685, 2809, 2850, 2901, 3299, 3414, 3468, 3632-3633, 3809, 3934, 4004-4005, 4009, 4067, 4176, 4265, 4333
HYDROXYCORTICOSTEROIDS: 697, 1107, 1376, 2983, 3156, 4220
HYDROXYDIONE: 674, 1885, 2082
HYDROXYDOPAMINE: 360, 702, 765, 1761, 1667, 1908, 2327, 2400, 3595, 3705
HYDROXYINDOLEACETIC ACID: 603, 722, 1109, 1228, 1371, 1416, 1466, 1659, 1671, 1713, 2186, 2469, 2486, 2667, 2752, 3116, 3839-3840, 3960, 4307, 4316
HYDROXYLASES: 329-330, 804, 1192, 1673, 1877-1878, 2303, 3297, 3366, 3493, 3681, 4009, 4044, 4236, 4332
HYDROXYLATION: 149, 209, 258, 351, 356, 452, 888, 1026, 1565, 1877-1878, 2334, 2426, 2494, 2528-2529, 2599, 2856, 2877, 3151, 3292, 3429, 3855
HYDROXYLYSINE: 907
HYDROXYPREGNENOLONE: 513
HYDROXYPROGESTERONE: 351, 648, 776-777, 927, 1345, 1528, 1642, 2023, 2128, 2426, 2611, 3046, 3485, 3556, 4314, 4435
HYDROXYPROLINE: 163, 509, 1356, 1455, 1458, 1540, 1739, 2029, 2130, 2188, 2294, 2357, 2697, 2945, 3435, 3462, 3922, 4033, 4179, 4217
HYDROXYSTEROID DEHYDROGENASE: 276, 806, 1345, 1483, 1551, 1703-1704, 1706, 2617, 2843, 3036, 3055, 3216, 3338, 3543, 3659, 3662, 3720, 3814
HYDROXYSTEROIDS: 209, 732, 694, 1008-1009, 1026, 1082-1083, 1208, 1363, 1483, 1496, 1551, 1564, 1608, 1685, 1941, 2095, 2334, 2529, 2794, 2834-2835, 3437, 3512, 3659, 3833, 3858, 3890, 4044, 4227, 4308, 4328
HYDROXYTRYPTOPHAN: 409, 1035, 1109, 1466, 1659, 1672-1673, 3259, 3595, 3681
HYDROXYUREA: 519, 4432
HYMEN: 676
HYPERALDOSTERONISM: 222, 747-748, 995, 1155, 1420, 1542, 1681, 1612, 1928, 2108, 2119-2120, 2645, 3106, 3299, 3432, 3510, 3530, 3652, 3865, 4073, 4081, 4386, 4453
HYPERCALCEMIA: 137, 166, 335, 398, 619, 1093, 1281, 1344, 1529, 1604, 1729, 1670, 2221, 2286, 2314, 2346, 2413, 2511-2512, 2654, 2767, 2912, 3001, 3169, 3597, 3861, 4132, 4157, 4211, 4226, 4310, 4350, 4394
HYPERCAPNIA: 859, 1222, 1476, 3072
HYPERCHOLESTEREMIA: 674, 1162, 1217, 2343, 3170
HYPEREMIA: 2782
HYPERESTHESIA: 3571
HYPERGAMMAGLOBULINEMIA: 137, 1656, 2951
HYPERGLYCEMIA: 75-76, 176, 203, 499, 703, 881, 1084, 1103, 1984, 2572, 2616, 3258, 3658, 3761, 4070
HYPERINSULINISM: 970, 2899, 2902, 4344
HYPERKALEMIA: 135, 155, 503, 3293, 4176
HYPERKINESIS: 1400, 1438, 3529
HYPERLIPEMIA: 225, 2023, 2090, 2343, 2587, 3502, 3525
HYPERNATREMIA: 2932, 4382
HYPEROSTOSIS FRONTALIS INTERNA: 2089, 3278, 3438, 4104
HYPERPARATHYROIDISM: 21, 43, 105, 163, 239, 319, 323, 428, 496, 516, 569, 977, 1433, 1604, 1657, 1772, 1846, 1936, 2375, 2413, 2451, 2468, 2511-2512, 2570, 2654, 2767, 2786, 2800, 2828, 2830, 2849, 2915, 3082, 3162, 3232-3233, 3279, 3346, 3433, 3594, 4132, 4138, 4211, 4226, 4350, 4373, 4408, 4434
HYPERPARATHYROIDISM, SECONDARY: 166, 428, 619, 671, 1037, 1644, 3509, 3756, 3893
HYPERPITUITARISM: 2149, 2796, 2833
HYPERPLASIA: 347, 833, 970, 1033, 1169, 1433-1434, 1481, 1727, 1737, 1937, 2062, 2647, 2708, 2848, 2902, 2980, 2993, 3065, 3106, 3407, 3432, 3675, 3717, 3865, 4073, 4332
HYPERSENSITIVITY: 395, 1029, 1342, 1979, 2179, 3001, 3922
HYPERSENSITIVITY, DELAYED: 137, 395, 675, 989, 1441, 1966, 2179
HYPERSENSITIVITY, IMMEDIATE: 675, 1570, 1713, 2000, 2179, 2390, 2939
HYPERSPLENISM: 3557
HYPERTENSION: 9, 46, 69, 100-101, 222, 240, 296, 300, 347, 480, 486, 532, 562, 568, 608-609, 702, 747, 620, 831, 697, 967, 995, 1044, 1071, 1173, 1202, 1217, 1288, 1425, 1461, 1528, 1542, 1545, 1586, 1606, 1681, 1612, 1987, 2048, 2077, 2108, 2183, 2235, 2241, 2441, 2619, 2645, 2701, 2747, 2772, 2995, 3112, 3134, 3246, 3278, 3299, 3351, 3362, 3375, 3863, 4005, 4155, 4167, 4209, 4319, 4379, 4386, 4434
HYPERTENSION, MALIGNANT: 402, 2539, 3299
HYPERTENSION, PORTAL: 754, 2120, 2723, 3510
HYPERTENSION, PULMONARY: 1222, 1710, 4157
HYPERTENSION, RENAL: 222, 364, 448, 609, 748, 1134, 1179, 1461-1462, 1794, 1990, 2048, 2077, 2089, 2365, 2395, 2576, 2645, 3299, 3515, 3590, 3652, 3864, 4453
HYPERTHYROIDISM: 12, 43, 63, 111, 116, 147, 164, 179, 198, 241, 319, 392, 399, 441, 451, 497, 505, 574, 634, 752, 781, 881, 963, 994, 1016, 1113-1114, 1182, 1184, 1278, 1292, 1406, 1421, 1423, 1431, 1467-1468, 1471, 1478, 1569, 1604, 1643, 1667, 1768-1770, 1806, 1811, 1821, 1860, 1903, 1925, 2130, 2183, 2257, 2285, 2310, 2321, 2339, 2361, 2378, 2396-2397, 2415, 2423, 2481, 2525, 2624, 2672, 2731, 2770, 2796, 2830, 2857, 2868, 2956, 2999, 3023, 3067, 3077, 3119, 3174, 3206, 3236, 3346, 3374, 3387, 3406, 3417, 3620, 3631, 3769, 3792, 3848, 3911, 3921, 3978, 3999, 4011, 4029, 4038, 4041, 4052, 4255-4256, 4322, 4366, 4371, 4383, 4388-4389
HYPERTONIC SOLUTIONS: 72, 476, 899, 1295, 2341, 2855, 2936, 3134, 4150, 4420
HYPERTRICHOSIS: 2783, 3709, 4340
HYPERTROPHY: 888, 990, 1434, 1571, 1613, 1758, 1835, 2271, 2453, 2796, 2944, 3065, 3080, 3106, 3432, 3675, 3682, 3834, 3865, 4073
HYPNOTICS AND SEDATIVES: 1783, 2710, 3223, 4389
HYPOCALCEMIA: 63, 323, 399, 1271, 1729, 1792, 2194, 2277, 2915, 2920, 3292, 3387, 3747, 3987, 4208, 4212, 4222
HYPOCHONDRIASIS: 3952
HYPOGLOSSAL NERVE: 550
HYPOGLYCEMIA: 70, 391, 456, 485, 585, 652, 768, 948, 970, 1430, 1446, 1490, 1702, 1850, 1887, 1891, 1984, 2616, 2743, 2828, 2902-2903, 3002, 3077, 3310, 3468, 3804, 3963, 3990, 4310, 4344
HYPOGONADISM: 145, 156, 794, 1301, 1495, 1528, 1598, 1688, 1643, 2001, 2149, 2160, 2454, 2647, 3040, 3261, 3360, 3390, 3406, 3686, 3708, 3910, 3967-3968, 4030, 4123, 4145
HYPOKALEMIA: 1681, 3106, 3432, 4073
HYPONATREMIA: 139, 191, 1317, 1576, 2240, 2932, 3077, 3293
HYPOPARATHYROIDISM: 105, 323, 836, 2786, 2800, 3292, 3482, 3747, 3945, 4169
HYPOPHOSPHATASIA: 1068
HYPOPHYSECTOMY: 61, 98, 161, 417, 455, 494-495, 649, 670, 685, 691, 699, 724, 880, 1008, 1013, 1039, 1103, 1120, 1209, 1326, 1354-1355, 1553, 1559, 1596, 1605, 1638, 1653, 1862, 1698, 1900, 1963, 2055, 2116, 2193, 2224, 2316, 2406, 2495, 2544, 2615, 2616, 2684, 2720, 2732, 2750, 2770, 2781, 2788, 2814, 2824, 2858, 2911, 2920, 2950, 3020, 3271, 3303, 3307, 3316, 3501, 3503, 3536, 3599, 3624, 3764, 3796, 3809, 3846-3847, 3923, 3942, 4067, 4075, 4201, 4316, 4392
HYPOPITUITARISM: 46, 213, 554, 653, 1390, 1495, 1643, 1650, 2949, 3010, 3316, 3322, 3468, 3889, 3951, 3963, 3990, 4003, 4104
HYPOPROTEINEMIA: 674, 1478
HYPOSPADIAS: 653, 1025, 1571, 1603, 2671, 3242-3243, 4296
HYPOTENSION: 729, 1092, 1438, 1726, 2441, 3432, 3457, 4376
HYPOTENSION, ORTHOSTATIC: 1655, 1783, 4420
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 66, 217, 274, 366, 408, 557, 578, 641, 735, 619, 835, 956, 976, 1133, 1310, 1353, 1512, 1848, 1955, 1971, 1974, 2340, 2387, 2462, 2559, 2653, 2743, 2826, 2864, 2929, 2944, 2969, 3044, 3109, 3161, 3324, 3369, 3379, 3384, 3502, 3584, 3632, 3755, 3896, 3951, 3953, 3963, 3989, 4067, 4087-4088, 4326
HYPOTHALAMUS: ?, 39-40, 66, 86, 126, 190, 217, 231, 248, 294, 342, 374, 389, 415, 421, 445, 447, 486, 506, 529, 550, 582, 604, 651, 721, 726, 735, 802, 807, 835, 654, 866, 881, 695, 933, 944-945, 956, 983, 992, 1076, 1080, 1089, 1110, 1132, 1157, 1164, 1210, 1236, 1248, 1257, 1294-1295, 1310, 1325, 1331-1332, 1397, 1407, 1428, 1434, 1444, 1488, 1490, 1516, 1530, 1549, 1552, 1568, 1576, 1663, 1672, 1717, 1736, 1761, 1784, 1803, 1867, 1880, 1913, 1917, 1924, 1948-1950, 1952, 1970, 2016, 2034, 2043, 2075, 2089, 2149, 2171, 2191, 2211, 2216, 2240, 2249, 2255, 2274, 2325, 2331, 2333, 2366, 2389, 2400, 2441, 2454, 2477, 2506, 2515, 2520, 2524, 2530, 2555, 2626, 2639-2640, 2653, 2673, 2780, 2787, 2806, 2861, 2864, 2867, 2869, 2883, 2893, 2901, 2910, 2922-2923, 2931,

2935, 2942-2943, 2947, 2956, 2972, 3016, 3023, 3061, 3164, 3176-3177, 3165, 3217, 3222, 3235, 3319, 3369, 3379, 3397, 3402, 3424, 3453, 3513, 3571, 3595, 3599, 3619, 3634, 3656, 3668, 3766, 3768, 3796, 3827-3828, 3896, 3953, 3979, 3995, 4039, 4047, 4097, 4105, 4127, 4135, 4137, 4167, 4174, 4216, 4248, 4331, 4352
HYPOTHERMIA: 2216-2217, 2418
HYPOTHERMIA, INDUCED: 2201, 2299, 2779
HYPOTHYROIDISM: 225, 241, 461, 467, 485, 586, 713, 761, 692, 993-994, 1021, 1068, 1113, 1116, 1162, 1212, 1276, 1267, 1374, 1421, 1468, 1593, 1595, 1643, 1913, 1925, 1967, 2257, 2270, 2298, 2343, 2361, 2376, 2397, 2418, 2423, 2492, 2510, 2624-2625, 2673, 2731, 2770, 2899, 2956, 3019, 3023, 3073, 3174, 3236, 3289, 3314, 3346, 3474, 3620, 3777, 3792, 3801, 3832, 3945, 3965, 4035, 4038, 4061, 4066, 4066, 4096, 4118, 4316, 4338
HYPOTONIC SOLUTIONS: 2855
HYPOVENTILATION: 1147, 1222, 1476
HYPOXANTHINES: 3212, 4055, 4279
HYSTERECTOMY: 34, 150, 154, 383, 453, 571-572, 575, 914, 968, 1241, 1375, 2005, 2128, 2231, 3114, 3303, 3361, 3494, 3643, 3814, 3847, 3970, 4023-4024, 4241, 4396
HYSTEROSALPINGOGRAPHY: 743, 2948, 3626, 4263
IATROGENIC DISEASE: 2710, 3265, 4336
ICHTHYOSIS: 68, 1348, 1426, 1634, 2951
IDIOCY: 3405, 4313
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 4157
IDOXURIDINE: 517, 706, 1005
IGA: 667, 676, 960, 1253, 1656, 1959, 2161
IGD: 960, 1959
IGE: 1253, 1959
IGG: 122, 667, 678, 960, 1253, 1455, 1575, 1627, 1768, 1635, 1656, 1959, 2137, 2161, 2165, 2314, 2436, 2630, 2857, 2925, 3625, 3650, 3775, 3810
IGM: 122, 667, 678, 960, 1253, 1635, 1959, 2137, 2161, 2436, 3625, 3810
ILEUM: 114, 873, 1033, 1247, 1259, 1364, 1687, 1657, 1965, 2513, 2542, 2699, 2727, 2822, 3032, 3734, 4160
ILIAC ARTERY: 3266
ILIAC VEIN: 1573, 2004, 3351
ILIUM: 239, 1037, 1087, 2849, 3442, 3893, 4011
IMAGE ENHANCEMENT: 1573, 3326
IMIDAZOLES: 77, 562, 566, 711, 824, 910, 1169, 1531, 1716, 2280, 3090, 3465-3467
IMIDES: 826, 3130
IMINES: 109, 555, 1668
IMIPRAMINE: 40, 1366, 1415, 1991, 2633, 3960, 4012, 4161, 4249
IMMOBILIZATION: 96, 2192, 3222, 4365
IMMUNE ADHERENCE REACTION: 142, 615, 1094, 1463, 2247, 3790
IMMUNE COMPLEX DISEASE: 2306, 2738, 3042
IMMUNE SERUMS: 66, 69, 93, 283, 325, 328, 465, 570, 642, 716, 681, 985, 1040, 1048, 1148, 1245, 1253, 1269, 1291, 1306, 1319, 1485, 1582, 1587, 1679, 1725, 1825, 1953, 1956, 2056, 2099, 2402, 2575, 2630, 2660, 2712, 2722, 2869, 2967, 3026, 3048, 3124, 3253, 3271, 3339, 3343-3345, 3523, 3607, 4090, 4223, 4292, 4352
IMMUNE TOLERANCE: 1034, 3042, 3153
IMMUNITY: 395, 675, 1057, 1959, 2491, 3463
IMMUNITY, ACTIVE: 2796
IMMUNITY, CELLULAR: 989, 1034, 1094, 1099, 1269, 1343, 1631, 1656, 1692, 1959, 2358, 2416, 2933, 3037, 3042, 3129, 3285, 3463, 3746, 4130, 4166, 4311
IMMUNITY, PASSIVE: 517, 2005
IMMUNIZATION: 171, 285, 517, 1904, 2416, 2796
IMMUNOASSAY: 51, 927, 3307, 3324, 3599, 4315
IMMUNOCHEMISTRY: 66, 3012
IMMUNOELECTROPHORESIS: 325, 328, 1136, 1455, 1575, 1740, 1956, 2005, 2630, 2906, 3253, 3271, 3650, 3994, 4052, 4100
IMMUNOGENETICS: 283, 1664, 3146
IMMUNOGLOBULIN FRAGMENTS: 1136, 3775
IMMUNOGLOBULINS: 517, 1254, 1343, 1575, 1627, 1966, 2026, 2099, 2417, 2436, 2704, 2738, 2870, 3075, 3193, 3363, 3476, 4244, 4410, 4414
IMMUNOGLOBULINS, FAB: 1627, 3650
IMMUNOGLOBULINS, FC: 1627, 3625
IMMUNOLOGIC DEFICIENCY SYNDROMES: 1079, 1097, 1412, 1656, 2455, 3463, 3644, 4375, 4402
IMMUNOLOGIC DISEASES: 517, 2306, 2738
IMMUNOLOGIC TECHNICS: 969, 1562
IMMUNOLOGY: 539, 4007
IMMUNOSUPPRESSION: 23, 75, 143, 265, 615, 675, 744, 761, 906, 1445-1446, 1517, 1519, 1572, 1696, 2026, 2081, 2933, 3075, 3129, 3203, 3339, 3548, 3572, 3596, 3655, 3724, 3810, 4130, 4171, 4196, 4230, 4339
IMMUNOSUPPRESSIVE AGENTS: 57, 314, 546, 741, 605, 1221, 1264, 1393, 1396, 1497, 1532, 2283, 2350, 2571, 2576, 2584, 2970, 3066, 3075, 3339, 3375, 3654, 4112, 4402, 4416, 4441
IMMUNOTHERAPY: 3168, 3260, 3463, 3819
IMPOTENCE: 2804, 3425
IN VITRO: 50, 93, 131, 154, 215, 221, 259, 288, 312, 320, 348, 351, 354, 356, 385, 421, 449-450, 452, 460, 473, 513, 515, 535, 629-631, 685, 684, 691, 695, 711, 715, 733, 755, 793, 626, 641, 656, 664, 673, 675, 696, 931, 938, 940, 1047, 1064-1065, 1107-1109, 1144, 1151-1152, 1157, 1174-1175, 1233, 1277, 1283, 1291, 1293, 1359-1360, 1374, 1404, 1450, 1457, 1488, 1509, 1563, 1580, 1588, 1607, 1621, 1649, 1669, 1671, 1683, 1704, 1716, 1753, 1765-1766, 1791, 1613, 1657, 1666-1667, 1672, 1908, 1946-1947, 1965, 2006, 2009, 2061-2062, 2100, 2106, 2139-2140, 2164, 2171, 2160, 2206, 2242, 2253, 2256, 2270, 2276, 2280-2282, 2293, 2308, 2355-2356, 2377, 2385, 2420, 2426, 2448, 2479, 2499-2500, 2502, 2504, 2513, 2534, 2562, 2567, 2572, 2596, 2611, 2628, 2642, 2653, 2684, 2737, 2749, 2792, 2797, 2831, 2845, 2857, 2860, 2909-2910, 2934, 2977, 2982, 2996, 3021, 3056, 3062, 3086, 3108, 3163, 3201, 3213, 3227, 3238, 3241, 3267, 3294, 3308, 3329, 3342, 3347, 3393, 3396, 3427, 3431, 3446, 3460, 3503, 3538, 3562, 3564, 3570, 3567, 3591, 3596, 3612, 3620, 3624, 3628, 3642, 3651, 3659, 3685, 3667, 3680, 3700, 3710, 3721, 3726, 3735, 3749-3751, 3792, 3826, 3832, 3835, 3837, 3842, 3855, 3857, 3860, 3872, 3884, 3888, 3896, 3912, 3963, 4010, 4043-4044, 4054-4055, 4086, 4122, 4134-4135, 4165, 4220, 4234, 4237, 4276, 4279-4280, 4303, 4312, 4320
INBREEDING: 1116, 1186, 3309
INCISOR: 906, 1931, 2049, 2553, 3207
INCLUSION BODIES, VIRAL: 633, 2733, 3638
INCOME: 1617
INCUBATORS: 1293, 1374, 2175
INDENES: 378, 3439, 3837
INDIA: 1817, 2033, 2655, 2775, 3094, 3309, 3541, 4128
INDIANS, NORTH AMERICAN: 3005
INDICATOR DILUTION TECHNICS: 232, 1425, 3288
INDICATORS AND REAGENTS: 378, 792, 870, 1082, 1607, 2505, 3210, 3961
INDIUM: 1710
INDOLEACETIC ACID: 1581, 3141
INDOLES: 358, 1285, 1567, 1672-1673, 2228, 2234, 2435, 3192, 3427, 3959, 4316
INDOMETHACIN: 93, 102, 248, 450, 571, 656, 729, 964, 966, 1105, 1436, 1457, 1588, 1765, 2687, 2753, 2782, 2840, 2869, 2971, 2987, 3050, 3616, 3737, 4150, 4159, 4179, 4269, 4276
INDOPHENOL: 1275
INDUSTRIAL MEDICINE: 1172, 1640, 2677
INFANT: 103-104, 173, 225, 266, 302, 316, 338, 362, 403, 407, 423, 435, 502, 508, 526, 552, 592, 652, 632, 634, 911, 996, 1000, 1074, 1087, 1134, 1211, 1240, 1254, 1267, 1272, 1281, 1302, 1329, 1335, 1362, 1379, 1403, 1412, 1454, 1478, 1490, 1497, 1502, 1547, 1571, 1574, 1603, 1614, 1644, 1686, 1728, 1756, 1758, 1770, 1773, 1807, 1834, 1843, 1850, 1856, 1915, 1929, 1964, 2094, 2137, 2163, 2167, 2216, 2247, 2277, 2290, 2343, 2357, 2360-2361, 2381, 2389, 2476, 2485, 2521, 2543, 2568, 2616, 2655, 2671, 2681, 2685, 2709-2710, 2741, 2775, 2798, 2811, 2837, 2890, 2902, 2912, 3024, 3031, 3079, 3102-3103, 3132, 3274, 3293, 3406, 3529, 3557, 3581, 3604, 3643, 3747, 3762, 3768, 3836, 3843, 3892, 3937, 3963, 3965, 4019, 4026, 4034, 4066, 4074, 4097-4098, 4102, 4121, 4173, 4274, 4452
INFANT CARE: 2455
INFANT FOOD: 508, 1000, 2903, 4449
INFANT MORTALITY: 276, 443, 2252, 2589, 3014
INFANT, NEWBORN: 8, 16, 156, 173, 203, 214, 276, 302, 305, 323, 364, 401, 443, 508, 511, 526, 592, 600, 795, 825, 832, 836, 642, 853, 676, 692, 974, 1021, 1025, 1088, 1098, 1126, 1183, 1242, 1272, 1305, 1361-1362, 1412, 1479, 1490, 1547, 1568, 1573, 1591, 1600, 1613, 1688, 1695, 1699, 1723, 1728, 1734, 1756, 1758, 1770, 1624, 1834, 1650, 1915, 1933, 1974, 1976, 1964, 2010, 2013, 2037-2038, 2094, 2104, 2149, 2163, 2168, 2170, 2219, 2252, 2279, 2360, 2404, 2455, 2485, 2517, 2533, 2569, 2613, 2619, 2631, 2671, 2695, 2615, 2817, 2868, 2903, 2930, 2965, 3004, 3014, 3025, 3103, 3111, 3163, 3196, 3208, 3242, 3274, 3389, 3406, 3441, 3481, 3521, 3529, 3640, 3683, 3685, 3692, 3696, 3723, 3768, 3777, 3806, 3892, 3899, 3904, 3941, 3963, 3966-3967, 4019, 4034, 4052, 4056, 4074, 4097, 4102, 4116, 4295, 4325, 4332, 4334, 4376, 4388, 4425, 4449, 4452
INFANT, NEWBORN, DISEASES: 203, 323, 364, 636, 676, 692, 1021, 1756, 1634, 1650, 1974, 2038, 2104, 2168, 2219, 2360, 2404, 2455, 2619, 2695, 2903, 3025, 3747, 3899, 3941, 4332
INFANT NUTRITION: 508, 1000, 4325
INFANT NUTRITION DISORDERS: 508, 1000
INFANT, PREMATURE: 104, 220, 508, 1586, 1607, 2013, 2038, 3111, 3806, 4449
INFANT, PREMATURE, DISEASES: 2866, 2903, 3389, 3967
INFANTILISM: 2766
INFARCTION: 1163, 2048, 2083, 2117, 2252, 2414, 3488, 4439
INFECTION: 75, 362, 407, 632, 2233, 3260, 3457, 3514, 3644, 3734
INFECTIOUS MONONUCLEOSIS: 607
INFLAMMATION: 130, 206, 727, 930, 1020, 1056, 1169, 1237, 1951, 2052, 3111, 3487, 4427
INFLUENZA: 1056, 3825
INFLUENZA VACCINE: 507
INFORMATION THEORY: 958, 3696
INFORMED CONSENT: 1496, 2411
INFRARED RAYS: 1640, 3897
INFUSIONS, PARENTERAL: 1273, 1347, 1390, 2026, 3155, 4068
INGUINAL CANAL: 2487
INGUINAL HERNIA: 1302, 2041, 2671
INHALATION THERAPY: 1566, 2011, 2443
INHIBITION, NEURAL: 389, 735, 1243, 1331, 1407, 1948, 2007, 3553
INJECTIONS: 169, 369, 390, 447, 462, 523-524, 790-791, 813, 899, 1009, 1013, 1048, 1197, 1308, 1505, 1518, 1573, 1629, 1694, 1669, 2019, 2214, 2416, 2429, 2499, 2508, 2527, 2813-2814, 2896, 3641, 3656, 3705, 3816
INJECTIONS, INTRA-ARTERIAL: 471, 1197, 1411, 1751, 1686, 1962, 2756, 2794, 3251, 3340, 3444, 3819, 4264
INJECTIONS, INTRA-ARTICULAR: 727, 1256, 2203, 2373, 2442, 2509, 3546, 3654
INJECTIONS, INTRADERMAL: 1441, 1713, 3447
INJECTIONS, INTRALYMPHATIC: 1912
INJECTIONS, INTRAMUSCULAR: 40, 57, 117, 237, 252, 260, 301, 372, 453, 521, 584, 757, 857, 959, 960, 1020, 1281, 1411, 1475, 1633, 1725, 1696, 1934, 2026, 2043, 2350, 2360, 2363, 2560, 2847, 2852, 2897, 3149, 3247, 3292, 3462, 3769, 3994, 4033, 4215, 4327, 4356-4357
INJECTIONS, INTRAPERITONEAL: 233, 372, 521, 679, 648, 926, 939, 1090, 1219, 1366, 1370, 1474, 1616, 1677, 1774, 1794, 1865, 2044, 2249, 2319, 2540, 3616, 3816, 3840, 3851, 3856, 3862, 4166
INJECTIONS, INTRATHECAL: 2116, 2141, 2249
INJECTIONS, INTRAVENOUS: 73, 108, 169, 260, 350, 372, 390, 496, 626, 732, 767-768, 777, 763, 602, 614, 673, 1054, 1076, 1090, 1105, 1143, 1197, 1219, 1355, 1436, 1464, 1490, 1499, 1538, 1609, 1639, 1696, 1900, 1957, 1962, 2002, 2033, 2107, 2221, 2236, 2248, 2251, 2304, 2350, 2377, 2429, 2520, 2758, 2813-2814, 2817, 2879, 2897, 2941, 2956, 2964, 2965, 3095, 3134, 3172, 3230, 3327, 3335, 3514, 3542, 3616, 3646, 3793, 3845, 3956, 3994, 3998, 4257, 4263, 4356
INJECTIONS, SUBCUTANEOUS: 38, 57, 162, 227, 455, 501, 521, 576, 920-921, 925, 1009, 1020, 1090, 1262, 1515, 1558, 1774, 1916, 1996, 2403, 2554, 2888, 2933, 3089, 3130, 3160, 3175, 3195, 3296, 3357, 3922, 4033, 4085, 4251
INK: 4077
INNOMINATE ARTERY: 468, 4239
INNOMINATE VEIN: 466
INOSINE: 224, 4055, 4279
INOSINE NUCLEOTIDES: 2558, 2606, 4055, 4275
INOSITOL: 2655, 4243
INSECT VECTORS: 3551
INSECTICIDES: 244, 926, 2705, 2709
INSECTICIDES, ORGANOCHLORINE: 379
INSECTS: 1131, 1176, 1304, 2276, 3333, 3727, 3859

INSEMINATION, ARTIFICIAL: 7, 501, 1193, 1496, 1550, 2209, 3549, 3795, 4215
INSULIN: 54, 128, 135, 165, 345, 354, 363, 391, 430-431, 494, 545, 557, 632, 723, 768-769, 800, 616, 657-656, 661, 695, 905, 948, 1054, 1058, 1106-1109, 1114, 1169, 1204, 1219, 1290-1291, 1306, 1355, 1385, 1430, 1487, 1490, 1502, 1645, 1650, 1655, 1687, 1891, 1913, 2023, 2114, 2152, 2229, 2241, 2306, 2414, 2448, 2481, 2492, 2504, 2533, 2536, 2567, 2572, 2606, 2816, 2835, 2642, 2743, 2616, 2626, 2901, 2903, 2930, 2982, 3001-3002, 3029, 3043, 3082, 3113, 3195, 3215, 3256, 3322, 3468, 3628, 3632, 3634, 3639, 3657, 3663, 3696, 3761, 3782, 3793, 3604, 3838, 3876, 3883, 3923-3924, 3983, 3979, 4021, 4045, 4089, 4141, 4217, 4280, 4304, 4447
INSULIN ANTIBODIES: 661, 1687, 3804
INSULIN COMA: 2899
INSULIN, ISOPHANE: 3658
INSULIN, PROTAMINE ZINC: 2124, 2923, 3765-3766
INSULIN RESISTANCE: 363, 1687, 3761
INTELLIGENCE: 276, 794, 1755, 3220, 3885, 4210
INTELLIGENCE TESTS: 1123
INTENSIVE CARE UNITS: 754
INTERCELLULAR JUNCTIONS: 1234, 1247, 1367, 2324, 3244
INTERCOSTAL MUSCLES: 430, 2943
INTERFERON: 343, 1836, 2052, 3339
INTERFERON INDUCERS: 343, 517, 1836, 2052
INTERNAL MEDICINE: 958
INTERNEURONS: 389, 484, 1717
INTERPERSONAL RELATIONS: 147, 3687
INTERTRIGO: 1459
INTERVERTEBRAL DISK DISPLACEMENT: 2116
INTERVIEW, PSYCHOLOGICAL: 573
INTESTINAL ABSORPTION: 136, 350, 418, 481, 706, 844-645, 1033, 1259, 1551, 1819, 1896, 1935, 2262, 2541, 2699, 2734, 2794, 2831, 2856, 3032, 3265, 3695, 3774, 3763, 3882, 4160, 4243, 4420
INTESTINAL DISEASES: 1033, 1092, 1439
INTESTINAL MUCOSA: 114, 350, 515, 1102, 1174, 1192, 1437, 1551, 1689, 1716, 1937, 1985, 2275, 2349, 2699, 2775, 2820, 2831, 2853, 2907, 2927, 3132, 3265, 3802, 4160
INTESTINAL NEOPLASMS: 1636, 1659, 1771, 3870, 3975, 4396
INTESTINAL OBSTRUCTION: 3557
INTESTINAL PERFORATION: 743, 943, 1994
INTESTINAL POLYPS: 1937
INTESTINAL SECRETIONS: 1344, 2822, 4180
INTESTINE, LARGE: 943
INTESTINE, SMALL: 645, 1059, 1092, 1102, 1174, 1192, 1259, 1896, 2181, 2699, 2794, 2800, 2829, 3265, 3772, 3802, 3888, 4079, 4108, 4180, 4243
INTESTINES: 169, 632, 684, 1033, 1174, 1487, 1536, 1565, 1819, 1860, 1689, 1702, 1749, 2229, 2266, 2333, 2479, 2540, 2705, 3342, 3435, 3551, 3783
INTRACRANIAL PRESSURE: 488, 3845, 3996, 4424
INTRAOCULAR PRESSURE: 263, 1335, 1920, 2290, 2782, 3050, 3469, 3928, 4245
INTRAUTERINE DEVICES: 25, 140, 146, 220, 228, 981, 1011, 1823, 1806, 1944, 2212, 3085, 3078, 3359, 3742, 4131
INTRINSIC FACTOR: 3774
INTUBATION, GASTROINTESTINAL: 849, 2794, 4449
INTUBATION, INTRATRACHEAL: 284, 1614, 2543, 2798
INTUSSUSCEPTION: 3557
INULIN: 91, 1152, 1462, 3710
INVERTEBRATE HORMONES: 2276
INVERTEBRATES: 4448
IODIDES: 83, 334, 543, 1510, 2121, 2199, 2206-2207, 2604, 2680, 2656, 3392, 3689, 3872
IODINE: 63, 141, 151, 164, 216, 297, 334, 345, 400, 480, 543, 752, 1030, 1113, 1182, 1164, 1169, 1440, 1467, 1469, 1496, 1510, 1590, 1593, 1595, 1597, 1605, 2028, 2121, 2168, 2199, 2351, 2355, 2364, 2385, 2579, 2652, 2866, 3027, 3049, 3247, 3249, 3289, 3374, 3379, 3392, 3394, 3424, 3599, 3706, 3901, 3943, 3993, 4024, 4074, 4098, 4134, 4282, 4313, 4320-4321, 4329, 4383, 4389
IODINE ISOTOPES: 69, 76, 163, 192, 198, 216, 225, 259, 271, 297, 334, 372, 392, 400, 408, 448, 449, 469, 505-508, 510, 527, 543, 574, 632, 706, 716, 726, 749, 816, 845, 889, 872, 948, 982, 1030, 1034, 1040, 1046, 1068, 1101, 1118, 1189, 1245, 1276, 1296, 1306, 1356, 1467, 1469, 1471, 1501, 1510, 1512, 1537, 1559, 1567, 1597, 1628, 1643, 1679, 1751, 1768-1769, 1785, 1633, 1835, 1687, 1913, 1925, 1956, 1967, 2000, 2028, 2077, 2121, 2199, 2207, 2264, 2351, 2356, 2369, 2397, 2415-2416, 2423, 2506, 2528, 2604, 2652, 2722, 2770, 2760, 2816, 2868, 2913, 2994, 3081, 3182, 3236, 3247, 3250, 3269-3271, 3289, 3358, 3374, 3394, 3446, 3491, 3625, 3632, 3650, 3689, 3718, 3792, 3801, 3804, 3854, 3901, 3951, 3993, 4029, 4039, 4041, 4048, 4133-4134, 4166, 4193, 4212, 4223, 4231, 4253, 4278, 4282, 4339, 4389
IODINE ISOTOPES, DIAGNOSTIC: 83, 141, 179, 377, 391, 425, 441, 492, 737, 1068, 1162, 1316, 1421, 1431, 1467, 1594, 1611, 1770, 1611, 2079, 2096, 2208, 2361, 2376, 2423, 2550, 2566, 2824, 2630, 2858, 2928, 3005, 3023, 3039, 3082, 3211, 3248-3249, 3268, 3371, 3823, 3918, 3976, 4035, 4052, 4318, 4341, 4363
IODIPAMIDE: 3623
IODIZED OILS: 1593, 1681
IODOACETATES: 473, 682, 1146, 2227, 2355, 2916
IODOCHLORHYDROXYQUIN: 2836
IODOHIPPURIC ACID: 3916
IODOPROTEINS: 2351
IODOTYROSINE: 176, 543, 1030, 1077, 2028, 2207, 2385, 3901, 4134
ION EXCHANGE RESINS: 1503
IONS: 103, 2127
IONTOPHORESIS: 413, 1280, 2012, 3878
IOWA: 3907
IPODATE: 4257
IPRONIAZID: 919, 2569, 3772, 3816
IPROVERATRIL: 2502
IRIDOCYCLITIS: 3469, 3521, 3733
IRIS: 900, 2782, 3676
IRITIS: 1279
IRON: 168, 178, 202, 302, 449, 546, 556, 773, 1259, 1275, 1817, 1799, 1900, 2528, 2965, 3454, 3794, 4419
IRON ISOTOPES: 176, 202, 336, 452, 455, 1259, 1290-1291, 1635, 2100, 2965, 3454, 3779
IRRIGATION: 4401
ISCHEMIA: 114, 746, 1092, 1179, 1301, 1462, 1687, 2048, 2085, 2316, 3164, 4440
ISCHIUM: 637
ISLANDS OF LANGERHANS: 670, 938, 1109, 1487, 2152, 2308, 2447-2448, 2657, 2902, 3127, 3503, 3838, 3909, 4079, 4447
ISLET CELL TUMOR: 4442
ISOANTIBODIES: 318, 1665, 2404, 2418, 3146, 3203
ISOANTIGENS: 2619, 3810, 4101
ISOCARBOXAZID: 941
ISOCITRATE DEHYDROGENASE: 185, 528, 1472, 1649, 2109, 2371, 3569, 3720
ISOCITRATES: 452
ISOELECTRIC FOCUSING: 51, 271, 740, 1138, 2827, 2906, 3013, 3365, 3558, 3754
ISOENZYMES: 253, 628, 1146, 1311, 1437, 2135, 2606, 2874, 3052, 3167, 3210, 3811, 4100, 4163
ISOLEUCINE: 1101, 3163, 3227
ISOMERASES: 3338
ISOMERISM: 1046, 1551, 2856, 3577, 3851, 3833, 4316
ISONIAZID: 168, 213, 1956, 2741, 3794, 3986, 4168, 4342
ISONICOTINIC ACID: 962, 2011, 3190, 3467
ISOPROTERENOL: 22, 223-224, 535, 566, 793, 1135, 1174, 1233, 1492, 1531, 1574, 1656, 1689-1670, 1687, 1992, 2009, 2157-2156, 2164, 2502, 2937-2939, 2996, 3342, 3393, 3553, 3760, 3769, 3837, 3924, 4282
ISOQUINOLINES: 389
ISOTONIC SOLUTIONS: 524, 529, 2855, 3335, 3872
ISOTOPE LABELING: 618, 1597, 1828, 2121, 4040
ISRAEL: 1903, 2522, 2565
ITALY: 2812
JACKSONIAN SEIZURE: 3311
JAMAICA: 1566
JAPAN: 2159
JAUNDICE: 49, 216, 347, 435, 655, 1951, 3196, 3933, 4109
JAUNDICE, CHRONIC IDIOPATHIC: 299
JAUNDICE, OBSTRUCTIVE: 4001
JAW: 2049, 4139
JAW ABNORMALITIES: 3875
JAW DISEASES: 4145
JAW NEOPLASMS: 1610, 3894
JEJUNUM: 350, 1033, 1259, 1551, 1659, 1698, 1771, 2270, 2349, 2622, 2699, 2775, 2851, 4160
JEWS: 2522, 2565, 3293, 4416
JOINT DISEASES: 206, 413, 468, 756, 1128, 1225, 1258, 1388, 2202, 2309, 2442, 2570, 2742, 3489, 3654, 3736, 4408, 4413, 4417
JOINT PROSTHESIS: 2372, 4409
JOINTS: 756, 909
JUGULAR VEIN: 2516, 2654, 2916, 4239
JUVENILE DELINQUENCY: 935, 3715
JUVENILE HORMONES: 2276, 2762
JUXTAGLOMERULAR APPARATUS: 36, 747-748, 1942, 2462, 2805, 3106, 3156, 3432, 3528, 4073, 4176
KALLIKREIN: 1537, 4420
KALLIKREIN-TRYPSIN INACTIVATOR: 1960, 3754
KANAMYCIN: 2360, 2471
KARYOMETRY: 20, 1120
KARYOTYPING: 16, 48, 296, 324, 393, 405, 429, 531, 587, 605, 633-634, 638, 717, 876, 686, 911, 996, 1017, 1034, 1123, 1272, 1320, 1362, 1395, 1563, 1591, 1600, 1664, 1707, 1723, 1755, 1905, 1976, 2080, 2087, 2093, 2160, 2208, 2368, 2384, 2411, 2757, 2791, 2889, 3008, 3043, 3117, 3163, 3160, 3220, 3391, 3486, 3528, 3541, 3592, 3753, 3763, 3875, 3952, 3965, 4034, 4136, 4146, 4295, 4298, 4353
KELOID: 13
KENTUCKY: 3005
KERATIN: 2974, 3065
KERATITIS: 3521
KERATITIS, DENDRITIC: 1005
KERATOCONUS: 1413
KERATOSIS: 1426, 2819, 2984, 3455
KETAMINE: 643, 2327, 2377, 2852
KETO ACIDS: 647, 681, 2898
KETOGLUTARIC ACID: 1064, 2009
KETONE BODIES: 652, 2047, 3133, 3730-3731, 3793
KETONE OXIDOREDUCTASES: 2109, 2504, 3883
KETONES: 211, 376, 589, 1531, 1704, 1718-1719, 1726, 3172, 3845, 3998, 4376
17-KETOSTEROIDS: 107, 217, 331-332, 371, 432, 438, 474, 489, 672, 794, 847, 1008, 1026, 1073, 1091, 1145, 1157, 1345, 1385, 1551, 1591, 1685, 1701, 2070-2071, 2092, 2112-2113, 2352, 2387, 2463, 2475, 2596, 2794, 2804, 2809, 2901, 2905, 3057, 3299, 3351, 3390, 3476, 3485, 3613, 3632, 3669, 3696, 3833, 3889, 3938, 3997, 4121, 4300
KETOSTEROIDS: 258, 357, 732, 677, 1026, 1051, 1363, 1483, 1551, 1608, 1663, 1941, 2408, 2794, 3026, 3060, 3156, 3281, 3437, 3512, 3659, 3833, 3858, 3890, 4044, 4220, 4227, 4308
KIDNEY: 15, 23, 28, 30, 36, 60, 67, 75-76, 91, 114, 143, 151, 176, 194, 208, 222, 249, 268, 301, 312, 327-328, 339, 352, 402, 421, 433, 503, 511, 551, 567, 619, 632, 646-647, 681, 666, 680, 684, 690, 706, 729, 746, 748, 761-762, 633, 901, 906, 929, 973, 979, 1034, 1049, 1101-1102, 1106-1107, 1122, 1134, 1167, 1173, 1175, 1163, 1169, 1192, 1213, 1228, 1309, 1324, 1396, 1435, 1446, 1454, 1462, 1489, 1517, 1519, 1532, 1547, 1571, 1575, 1597, 1613, 1619, 1633, 1653, 1673, 1683, 1739, 1794, 1921, 1925, 1956, 1998, 2009, 2027, 2048, 2081, 2086, 2136, 2157, 2162, 2230, 2235, 2266, 2269, 2284, 2287, 2306, 2311, 2315-2316, 2319, 2365, 2370, 2413, 2445, 2479, 2488, 2519, 2541, 2575-2576, 2578, 2603, 2607, 2876-2879, 2705, 2734, 2743, 2761, 2768, 2805, 2851, 2874, 2876, 2912, 2916, 2927, 2965, 3052-3053, 3075, 3094, 3129, 3134, 3153, 3166-3167, 3176-3177, 3203, 3323, 3335, 3338-3339, 3343-3344, 3375, 3416, 3434-3435, 3444, 3498, 3503, 3528, 3548, 3572, 3596, 3654-3655, 3894, 3702, 3722, 3724, 3775, 3779, 3799, 3810-3811, 3856, 3863, 3868, 3916, 3950, 3971, 3994, 4040, 4069, 4091, 4110, 4113, 4116, 4143, 4146, 4171, 4177, 4161, 4193, 4199, 4226, 4234, 4238, 4240, 4245, 4310, 4349, 4354, 4387, 4402-4403, 4414, 4448, 4453
KIDNEY CALCULI: 499, 561, 1165, 1307, 1403, 1968, 2451, 3410
KIDNEY CONCENTRATING ABILITY: 91, 1179, 2370, 3106
KIDNEY CORTEX: 301, 1213, 2009, 2157-2158, 3335, 3861
KIDNEY, CYSTIC: 833, 2728
KIDNEY DISEASES: 21, 539, 705, 762, 952, 1165, 1403, 1412, 1461-1462, 1657, 1710, 1734, 1756, 1933, 1990, 2086, 2089, 2103, 2136, 2179, 2445, 2786, 2995, 3106, 3432, 3598, 3704, 3775, 3810, 3936, 4073, 4380
KIDNEY FAILURE, ACUTE: 45, 151, 266, 402,

633, 1974, 1990, 2346, 2381, 2885, 3335, 3775, 4310
KIDNEY FAILURE, CHRONIC: 23, 78, 345, 459, 481, 498, 499, 620, 671, 746, 1037, 1165, 1239, 1403, 1528, 2073, 2077, 2245, 2348, 2519, 2541, 2551, 2578, 3403, 3433, 3682, 3764, 3977, 4176
KIDNEY FUNCTION TESTS: 91, 1462, 1519, 1683, 1776, 1962, 2375, 2576, 4370
KIDNEY GLOMERULUS: 260, 301, 675, 1359, 1396, 1497, 1545, 1734, 1758, 1990, 3775, 3817, 3865
KIDNEY MEDULLA: 2768
KIDNEY NEOPLASMS: 204, 747-748, 636, 1604, 1702, 1976, 2354, 2671, 2719, 2810, 3112, 3128, 3211, 3226, 3671, 3791, 3885, 4170, 4386, 4453
KIDNEY PELVIS: 686, 1968
KIDNEY, POLYCYSTIC: 1163, 3169
KIDNEY TUBULES: 27, 91, 236, 1213, 1228, 1597, 1925, 2109, 2158, 2284, 2370, 2381, 2519, 2851, 2656, 3263, 3444, 3688, 4310
KIDNEY TUBULES, DISTAL: 2284, 2451, 3283
KIDNEY TUBULES, PROXIMAL: 27, 236, 1136, 2284, 3283, 3688
KIMMELSTIEL-WILSON SYNDROME: 1165
KINESTHESIS: 2075
KINETICS: 37, 65, 92, 122, 133, 193, 200, 223-224, 238, 306, 334, 337, 357, 421, 433, 460, 473, 594, 626, 632, 635, 770, 786, 618, 684, 931, 936, 951, 982, 1013, 1022, 1106, 1121, 1131, 1144, 1152, 1275, 1300, 1311, 1324, 1330, 1359, 1364, 1597, 1821, 1832, 1669, 1671, 1697, 1712, 1677, 1699, 1902, 1906, 1966, 2020, 2121, 2135, 2253, 2280, 2293, 2351, 2355, 2362, 2364, 2399, 2428, 2481, 2558, 2614, 2617, 2627, 2644, 2652, 2656, 2674, 2684, 2698, 2860, 2874, 2916, 2934, 2952, 2957, 3026, 3172, 3200-3201, 3209, 3213, 3227, 3238, 3256, 3264, 3269, 3306, 3355, 3363, 3376, 3386, 3396, 3458, 3476, 3625, 3663, 3681, 3689, 3748, 3756, 3792, 3801, 3833, 3839, 3876, 3886, 3923-3924, 3955, 4010, 4044, 4103, 4115, 4162, 4177, 4280, 4287, 4302
KININASE II: 2575, 4302
KININOGENS: 1960, 2446
KININS: 1960, 2016, 2446, 3128, 4420
KLEBSIELLA: 1401
KLEBSIELLA INFECTIONS: 76
KLEBSIELLA RHINOSCLEROMATIS: 1401, 1958
KLINEFELTER'S SYNDROME: 528, 1272, 1361-1382, 2160, 2196, 2268, 3099, 3139, 3163, 4030, 4176
KLIPPEL-FEIL SYNDROME: 3261
KNEE: 355, 719, 909, 969, 1536, 2509, 3328, 3546, 3831, 3986
KNEE INJURIES: 1258
KNEE JOINT: 355, 468, 727, 909, 969, 1225, 1463, 2138, 2202, 2509, 3546, 3736, 3966, 4409, 4417
KRAUROSIS VULVAE: 2949
KREBS CYCLE: 1472, 3200, 4328
KUPFFER CELLS: 272, 2670
KWASHIORKOR: 3947
KYMOGRAPHY: 1346
KYNURENIC ACID: 3280
KYPHOSIS: 1147, 3831
L CELLS: 99, 835, 3711, 3799, 3927, 4016
LABIAL FRENUM: 1601
LABOR: 16, 59, 95, 306, 611, 934, 974-975, 1238, 1322, 1559, 1776, 1765, 1624, 2104, 2254, 3003, 3111, 3202, 3524, 3539, 3640, 3692, 3830, 3869, 4363
LABOR COMPLICATIONS: 212, 496, 560, 682, 1588, 2102, 2589, 3014, 4048
LABOR, INDUCED: 73, 496, 571, 1237, 2019, 2205, 2213, 2527, 2758, 2817, 3202, 3441, 3640, 4018, 4376
LABOR, PREMATURE: 443, 2038, 2304, 2619, 3196, 3853, 4376
LABOR PRESENTATION: 3166, 3440, 3692
LABORATORIES: 4007
LABYRINTH: 900, 1116, 2973
LACRIMAL APPARATUS: 2167, 4069
LACRIMAL DUCT OBSTRUCTION: 1335
LACTATE DEHYDROGENASE: 399, 528, 1424, 1460, 1827, 1687, 1621, 2355, 2473, 2534, 2773, 3472, 3560, 3757, 3803, 4002, 4124, 4199, 4258
LACTATE DEHYDROGENASE ISOENZYMES: 1700, 2311, 3355
LACTATES: 158, 351, 703, 715, 1103, 1366, 1585, 2061-2062, 2355, 2962, 3147, 3393, 3835, 3793, 3962, 4140, 4233, 4328
LACTATION: 68, 60, 165, 197, 242, 270, 386, 451, 464, 506, 558, 611, 626, 757, 602, 609, 621-623, 872, 1033, 1271, 1472, 1558, 1580, 1576, 1585, 1598, 1817, 1739, 1754, 1778, 1922, 1959, 2005, 2047, 2061-2083, 2124, 2141-2142, 2258, 2283, 2324, 2330, 2403, 2410, 2422, 2548, 2837, 2642, 2651, 2897, 2954, 2958, 3097, 3133, 3150, 3204, 3215, 3303, 3373, 3418, 3589, 3578, 3807, 3730-3731, 3765, 3767, 3903, 3905, 3913, 4047, 4058, 4075, 4115, 4120, 4140-4141, 4204, 4243, 4304, 4325, 4337, 4356-4357, 4449
LACTATION DISORDERS: 111, 271, 347, 527, 584, 2414, 2761, 3226, 4047-4048, 4067-4068, 4334-4335
LACTOGLOBULINS: 2097
LACTONES: 430-431, 647, 1349, 1496, 2847, 4024
LACTOSE: 2323, 2892, 3215, 3373, 4141
LACTOSE INTOLERANCE: 3001
LANGERHANS CELLS: 1081
LANOSTEROL: 3919
LANTHANUM: 473, 535, 2502, 2534, 2763, 2831, 3289, 3540, 3565, 3835
LAPAROSCOPY: 368, 396, 435, 743, 1191, 1206, 1583, 1640, 2120, 3228
LAPAROTOMY: 639, 1206, 3290
LARVA: 245, 542, 751, 1131, 1548, 1656, 2490, 2756-2757, 2825, 3137, 3229, 3533
LARVA MIGRANS, VISCERAL: 318
LARYNGEAL CARTILAGES: 235, 1554
LARYNGEAL DISEASES: 235, 1614
LARYNGEAL EDEMA: 63
LARYNGEAL NEOPLASMS: 487, 1554, 2890, 3738, 3937, 4016
LARYNGEAL NERVES: 235, 1507, 1690, 1794, 3219, 3300, 3738, 3921
LARYNGECTOMY: 1554
LARYNGITIS: 218, 2359
LARYNGOSCOPY: 1507, 1614
LARYNGOSTENOSIS: 2988
LARYNX: 1507, 2966, 3673, 4239
LASER COAGULATION: 4392
LATERALITY: 1508
LATEX FIXATION TESTS: 1963, 3193, 4367
LATEX PARTICLES: 3394, 3523
LE CELLS: 772, 4414
LEAD: 796, 1650, 3241
LEAD POISONING: 1142, 3009, 3794
LEADERSHIP: 3145
LEARNING: 267, 1407
LEBANON: 140, 3360
LECITHINS: 368, 1022, 1096, 1408, 2771, 2956, 3194, 3693, 3843
LEECHES: 2388
LEG: 112, 168, 416, 719, 746, 1240, 1624, 2118, 3266, 3433, 4193
LEG DERMATOSES: 1214, 1348, 2376
LEG LENGTH INEQUALITY: 1141
LEGISLATION, DRUG: 1442
LEGISLATION, MEDICAL: 575, 1496
LEIOMYOMA: 274, 408, 1474, 4063
LENS, CRYSTALLINE: 707, 925, 1012, 3676
LENSES: 1287
LEPROMIN: 1668
LEPROSY: 23, 1253, 1868, 1996, 2959, 3355
LETHAL DOSE 50: 2496, 2572, 2621, 2705, 4113
LEUCINE: 238, 715, 641, 1063, 1303, 1374, 1404, 1443, 1621, 1660, 1985-1966, 2138, 2614, 2852, 2737, 2927, 3176, 3163, 3227, 3321, 3446, 3650, 3713, 3823, 3838, 4194, 4305
LEUCINE AMINOPEPTIDASE: 613, 1046, 1159, 1419, 2801, 2866, 2927, 3720
LEUKEMIA: 517, 519, 773, 638, 1084, 1604, 1631, 1747, 1675, 1994, 2383, 2811, 2961, 3038, 3211, 3285, 3381, 3463, 3557, 4299
LEUKEMIA, EXPERIMENTAL: 738, 2889, 4112-4113
LEUKEMIA L1210: 913, 3382
LEUKEMIA, LYMPHOBLASTIC: 704, 913, 1631, 2328, 3260, 3285, 3557, 3644, 3763
LEUKEMIA, LYMPHOCYTIC: 424, 1079, 1534, 1681, 2696, 3239, 3531, 4437
LEUKEMIA, MYELOBLASTIC: 667, 913, 1631, 3285, 3557, 3734
LEUKEMIA, MYELOCYTIC: 687, 1079, 3260, 3441, 4173, 4439
LEUKEMIA, PLASMACYTIC: 1239
LEUKOCIDIN: 4284
LEUKOCYTE COUNT: 113, 169, 206, 316, 476, 588, 649, 1134, 1253, 1630, 1900, 2169, 2201, 2390, 2404, 2463, 2825, 2897, 3262, 3339, 3471, 3609, 4439
LEUKOCYTE CULTURE TEST, MIXED: 906, 1575, 1631, 3203, 3572
LEUKOCYTES: 189, 343, 450, 482, 849, 882, 669, 969, 1478, 1742, 1785, 1830, 1900, 1980, 2091, 2168, 2421, 2438, 2487, 2711, 2791, 2897, 2937-2938, 3058, 3063, 3153, 3359, 3523, 3691, 3811, 3968, 4185, 4240, 4284, 4439
LEUKOCYTOSIS: 649
LEUKOPENIA: 75, 674, 720, 1064, 1453, 2067, 2169, 2201, 2393, 3262, 3922
LEUKOPLAKIA: 2949
LEUKORRHEA: 4202
LEVALLORPHAN: 2887
LEVULINIC ACID: 567, 3669
LEWIS BLOOD-GROUP SYSTEM: 3304
LEYDIG CELL TUMOR: 417, 2764, 3511, 3638, 3890
LEYDIG CELLS: 528, 1392, 2008, 2165, 2682, 3601, 3615-3618, 3895, 4009, 4051
LH: 10, 42, 52, 69, 97-98, 102, 128, 128, 158, 161, 192, 208, 233, 237, 248, 252, 274, 288, 372-374, 415, 434, 485, 510, 571, 576, 599, 642, 728, 766-767, 763, 794, 619, 647, 879-660, 887, 911, 924, 927, 957, 962-965, 1001, 1010, 1039, 1133, 1165, 1226, 1244-1245, 1308, 1345, 1353, 1376, 1436, 1598, 1628, 1686, 1716-1719, 1722, 1732-1733, 1751, 1774, 1776, 1782, 1629-1630, 1833, 1839, 1642-1643, 1648-1849, 1659, 1916, 1955, 1957, 2008, 2149, 2152, 2171-2172, 2191, 2291, 2383, 2459, 2499, 2501, 2611, 2638, 2640, 2647, 2661, 2675, 2682, 2712, 2716, 2761, 2765, 2840, 2869, 2929, 2941, 2956, 2993, 3063, 3126, 3149, 3177, 3164, 3189, 3230, 3253, 3257, 3271, 3303, 3324, 3357, 3403, 3448, 3511, 3550, 3558, 3815, 3646, 3696, 3732, 3796, 3808, 3846-3847, 3857, 3875, 3891, 3910, 3914-3915, 3917, 3951, 3995, 4097, 4135-4136, 4144, 4215, 4223, 4305, 4309, 4333, 4335, 4361
LIBIDO: 17, 397, 432, 1195, 2593, 2682, 2763, 3276, 3425, 3896, 4210, 4433
LICHEN PLANUS: 2394, 2741
LIDOCAINE: 727, 941, 1375, 2509, 4337
LIGAMENTS, ARTICULAR: 1673, 2167
LIGANDS: 668, 1077, 2952
LIGASES: 2691
LIGATION: 1550, 1555, 1760, 2236, 2997, 4077, 4264
LIGHT: 384, 510, 687, 643, 1177, 1304, 1557, 1640, 1816, 1851, 1682, 1697, 2426, 2473, 2669, 3109, 3143, 3273, 4008
LIGHT COAGULATION: 4392
LIGHTING: 1013, 1284
LIMBIC SYSTEM: 106, 529, 604, 1023, 1157, 1325, 1407, 1543, 1620, 1626, 2255, 3571, 3698
LINKAGE (GENETICS): 157, 326, 1032, 1186, 1207, 2371, 2412, 2428, 2490, 2561, 2694, 2984, 3212, 4291
LINOLEIC ACID: 841, 966, 2529, 2750, 3684, 4446
LINOLENIC ACID: 4448
LIP: 2926
LIP DISEASES: 2926
LIP NEOPLASMS: 419, 1934
LIPASE: 1076, 1173, 1344, 2569, 3582
LIPID METABOLISM, INBORN ERRORS: 1723
LIPID MOBILIZATION: 133, 363, 657, 1450, 2497, 2569, 2707, 3450, 3582, 3925, 4304
LIPIDS: 28-29, 56, 93, 229, 347, 368, 430, 440, 484, 494, 595, 680, 713, 762, 623, 640, 654, 958, 1006, 1008, 1057, 1068, 1076, 1115, 1153-1154, 1238, 1274, 1391, 1399, 1434, 1472, 1580, 1617, 1670, 1701, 1728, 1794, 1916, 1979, 2003, 2085, 2133, 2153, 2323, 2341, 2453, 2465, 2492, 2528, 2587, 2587, 2592, 2655, 2674, 2691, 2706, 2772, 2891, 2964, 2979, 3001, 3170, 3194, 3373, 3666, 3843, 3925, 3942, 4158, 4395
LIPOAMIDE DEHYDROGENASE: 528, 1275, 1424, 3543, 3942
LIPOCHONDRODYSTROPHY: 642, 3121, 3836
LIPODYSTROPHY: 2387, 3502
LIPOIDOSIS: 2090, 2374, 3132
LIPOMA: 1044, 1834, 3894
LIPOPROTEIN LIPASE: 225, 363, 1399, 3569
LIPOPROTEINS: 225, 1406, 2023, 2343, 3128, 3194, 3244, 3525, 3667, 4158, 4204
LIPOPROTEINS, HDL: 595, 2023, 2343, 4204
LIPOPROTEINS, LDL: 595, 960, 2023, 2343, 4204
LIPOPROTEINS, VLDL: 595, 2023, 2343, 4204
LIPOTROPIN: 2660, 4395
LISTERIA INFECTIONS: 2813-2814, 3644
LISTERIA MONOCYTOGENES: 2813-2814
LITHIUM: 421, 473, 681, 685, 1076, 1293-1294, 1618, 2020, 2192, 3001, 3029, 3201, 3337, 3596, 3651, 3955, 4219

LITHOCHOLIC ACID: 1026, 3068
LIVER: 17, 49, 67, 60, 93, 122, 131, 169, 172, 238, 244, 327-330, 337, 352, 383, 426, 435, 452, 456, 567, 616, 632, 647, 654, 661, 665, 676-680, 684, 690-691, 700, 705-706, 724, 755, 770, 600, 604, 616, 649, 656, 901, 916, 922, 926, 929, 931, 973, 1013, 1046-1047, 1055, 1059, 1069, 1073, 1102, 1106, 1136, 1153, 1214, 1219, 1229, 1261, 1303, 1324, 1383, 1399, 1414, 1419, 1437, 1445, 1460, 1463, 1467, 1506, 1547, 1813, 1619, 1622, 1633, 1650, 1673, 1678, 1700, 1702, 1739, 1609, 1614, 1676, 1667, 1956, 1973, 1998, 2006, 2027, 2129, 2132, 2146, 2146, 2151, 2173, 2239, 2266, 2269, 2267, 2299, 2301-2302, 2319, 2338, 2348-2349, 2358, 2365, 2374, 2376, 2429, 2479, 2486, 2496-2497, 2529, 2536, 2569, 2573, 2598-2599, 2608, 2667, 2670, 2676-2679, 2705, 2715, 2724, 2733-2734, 2779, 2613, 2619, 2846, 2851, 2874, 2895, 2900, 2903, 2916, 2927, 2933, 2957, 2963, 2968, 3052, 3060, 3062, 3068, 3066, 3094, 3128, 3132, 3136, 3151, 3167, 3176-3177, 3162, 3196, 3209-3210, 3223, 3295, 3297, 3306, 3316, 3338, 3366, 3396, 3407, 3427, 3456, 3461, 3483, 3496, 3503, 3588, 3612, 3623-3624, 3667, 3686, 3719, 3724, 3739, 3761, 3771-3772, 3779, 3811, 3615, 3823, 3868, 3876, 3666, 3923-3924, 3931, 3950, 3973, 4040, 4045, 4053-4054, 4068, 4079, 4089, 4100, 4106, 4110, 4115, 4156, 4169, 4234, 4236, 4264, 4289, 4310, 4316, 4349, 4361, 4367, 4416
LIVER ABSCESS, AMEBIC: 1370
LIVER CIRCULATION: 1645, 1655, 1685, 2916
LIVER CIRRHOSIS: 138, 435, 1317, 1476, 1682, 1758, 1768, 1835, 2119-2120, 2471, 3686, 3834, 4109
LIVER CIRRHOSIS, EXPERIMENTAL: 3993
LIVER CIRRHOSIS, OBSTRUCTIVE: 49, 94, 676, 2296, 2343, 2616
LIVER CIRRHOSIS, POSTNECROTIC: 1445
LIVER DISEASES: 299, 347, 369, 655, 929, 1195, 1229, 1635, 1974, 2103, 2190, 2728, 2733, 2745, 2777, 2927, 3025, 3210, 3295, 3704, 3990, 4109, 4191
LIVER FUNCTION TESTS: 49, 132, 1111, 2822, 3196, 3290, 3623, 3933, 4109
LIVER GLYCOGEN: 700, 685, 916, 1898, 2129, 2497, 2606, 2903, 2946, 3316
LIVER NEOPLASMS: 93, 585, 600, 1158, 1214, 1622, 1785, 1927, 2200, 2267, 2354, 2383, 3128, 3211, 3226, 3290, 3685, 4022, 4053-4054, 4100, 4165, 4264, 4396
LIVER REGENERATION: 649, 2006, 2873, 3308, 4045, 4269
LIZARDS: 666, 1003, 2497, 2554, 2979, 3047, 3901
LOBSTERS: 950-951, 1525, 2627, 4448
LOCOMOTION: 227, 765, 3087, 3165, 3329, 4168
LONDON: 1266, 3940
LONG-ACTING THYROID STIMULATOR: 406, 1162, 1316, 1467, 2560, 2857, 2899, 4275, 4282
LONG TERM CARE: 639, 2096, 2742, 3232, 3314, 3337, 4156, 4267, 4342
LONGEVITY: 426
LUMBAR VERTEBRAE: 637, 2819
LUMBOSACRAL PLEXUS: 2116
LUMBOSACRAL REGION: 130, 3266, 4128
LUNG: 26, 57, 60, 169, 272, 312, 368, 387, 546, 596, 632, 680, 684, 705, 723, 737, 795, 604, 650, 926, 973, 1055, 1144, 1163, 1222, 1246, 1324, 1492, 1546-1547, 1564, 1613, 1669, 1956, 2064, 2087, 2107, 2117, 2148, 2218, 2287, 2311, 2358, 2365, 2390, 2493-2494, 2527, 2621, 2705, 2811, 2813, 2674, 2900, 2967, 3060, 3167, 3347, 3434, 3483, 3492, 3496, 3691, 3693, 3725, 3829, 3868, 4071, 4100, 4106, 4146, 4299, 4448
LUNG ABSCESS: 4441
LUNG COMPLIANCE: 1662
LUNG DISEASES: 387, 546, 705, 633, 1273, 1589, 1710, 1766, 2128, 3060, 3353, 3480, 3788, 4365, 4360
LUNG DISEASES, FUNGAL: 1845, 2390, 4106, 4441
LUNG DISEASES, OBSTRUCTIVE: 1147, 2546, 2670, 4064
LUNG DISEASES, PARASITIC: 2825
LUNG NEOPLASMS: 43, 204, 425, 720, 1337, 1604, 1636, 1690, 2017, 2128, 2354, 2383, 2547, 2583, 2704, 2767, 2863, 2663, 2961, 3077, 3104, 3199, 3290, 3382, 3738, 3937, 4022, 4100, 4269, 4327, 4373
LUPUS: 2557
LUPUS ERYTHEMATOSUS, DISCOID: 3, 12, 64, 1545, 3061
LUPUS ERYTHEMATOSUS, SYSTEMIC: 12, 64, 168, 366, 568, 744, 772, 1050, 1124, 1264, 1343, 1532, 1545, 2714, 3048, 3193, 3654-3655, 3986, 4404, 4414
LYASES: 2239, 4009
LYMPH: 1538, 2120
LYMPH NODE EXCISION: 649, 1125, 2487, 3387, 3404, 3707, 4396
LYMPH NODES: 20, 137, 169, 436, 459, 615, 649, 1034, 1097, 1136, 1254, 1768, 1609, 1974, 2017, 3132, 3355, 3682, 3707, 3726, 3819, 4068, 4193
LYMPHATIC DISEASES: 1766, 1974, 3265, 3834
LYMPHATIC METASTASIS: 458, 636, 601, 991, 1554, 1912, 2040, 2267, 2487, 2574, 2810, 3179, 3491, 3575, 3907, 4193, 4253, 4396
LYMPHATIC SYSTEM: 272, 1799, 4077, 4193, 4290, 4324
LYMPHATISM: 2837
LYMPHEDEMA: 4193
LYMPHOCYTE DEPLETION: 615
LYMPHOCYTE TRANSFORMATION: 616, 1609, 2091, 2247, 2417, 3239, 3726, 4168, 4261
LYMPHOCYTES: 142, 169, 171, 355, 459, 476, 621, 635, 689, 1034, 1081, 1097, 1099, 1146, 1150, 1289, 1395, 1575, 1582, 1705, 1742, 2264, 2328, 2425, 2696, 2721, 2825, 2937-2939, 3048, 3058, 3076, 3129, 3203, 3239, 3285, 3339, 3355, 3374, 3419, 3486, 3650, 3682, 3726, 3799, 3888, 4034, 4101, 4221-4222, 4341
B-LYMPHOCYTES: 1253-1254, 1584, 1656, 3363, 3644
T-LYMPHOCYTES: 1094, 1254, 1809, 1656, 1959, 2056-2057, 3644, 3746, 3994, 4130, 4222
LYMPHOGRAPHY: 1314, 2810, 3404, 4193
LYMPHOID TISSUE: 285, 1412, 2283, 3682
LYMPHOMA: 424, 519, 736, 913, 1338, 1592, 1610, 1981, 2025, 2704, 2888-2889, 3260, 3290, 3609, 4375
LYMPHOMA, GIANT FOLLICULAR: 3707
LYMPHOPENIA: 2393, 3682
LYMPHOSARCOMA: 424, 436, 736, 1338, 2286, 3211, 3791
LYNESTRENOL: 443, 1620, 1664, 2552, 3280, 3485, 3915
LYSERGIC ACID DIETHYLAMIDE: 164, 1209, 2260, 3563, 4249
LYSINE: 1303, 1762, 1699, 2049, 2114, 2982, 3235, 3308, 3552, 3713, 4115, 4194
LYSOGENY: 684
LYSOLECITHIN: 320
LYSOSOMES: 131, 163, 440, 665, 654, 1053, 1285, 1291, 1735, 1785-1768, 1979, 2341, 2537, 2851, 2979, 3158, 3389, 3518-3519, 3554, 3722, 3829, 3968, 4016, 4046, 4049, 4410
MACACA: 16, 76, 200, 286, 924, 973, 1002, 1157, 1645, 1676, 1679, 1615, 1630, 1840, 1676, 1916, 1967, 2002, 2460, 2607, 2762, 2760, 3000, 3050, 3075, 3169, 3226, 3393, 3607, 3639, 3698, 3799, 3810, 3813, 4146
MACROGLOBULINEMIA: 3006
MACROGLOBULINS: 663, 960, 1627, 2436, 3476
MACROMOLECULAR SYSTEMS: 6, 716, 770, 696, 951, 1609, 1710, 2029, 2311, 2627, 2745, 2892, 3244, 3376, 3458, 3663, 3815
MACROPHAGES: 137, 171, 930, 1094, 1285, 1290-1291, 1298, 3523
MACULA LUTEA: 1640, 3646
MAGNESIUM: 37, 60, 103, 194, 247, 323, 382, 471, 549, 640, 658, 668-669, 706, 764, 766-767, 659, 951, 1057, 1065, 1144, 1268, 1443, 1525, 1657, 1669, 1753, 1766, 1792, 1631, 1902, 1995, 2256, 2262, 2299, 2308, 2317, 2330, 2558, 2573, 2606, 2614, 2635, 2721, 2792, 2831, 2891, 3032, 3162, 3200, 3217, 3241, 3292, 3473, 3482, 3570, 3576, 3582, 3598, 3612, 3710, 3752, 3769, 3792, 3843, 3967, 4053, 4057, 4233
MAGNESIUM DEFICIENCY: 60, 247.
MAGNESIUM OXIDE: 37
MAGNESIUM SULFATE: 706, 1677,
MAGNETICS: 2488
MALABSORPTION SYNDROMES: 1[illegible] 2275, 2849, 3132, 3265
MALARIA: 2556
MALATE DEHYDROGENASE: 165, 526, 1472, 1621, 2109, 2691, 3200, 3396
MALATES: 452, 1064, 3200, 3396, 4140, 4252
MALE: 1-4, 6-7, 11, 14-16, 20-21, 23, 27-29, 32, 36, 39-40, 42-44, 47-48, 52, 57-58, 60-61, 63-64, 67, 70-71, 75, 76, 60, 63-84, 90-92, 96, 103-105, 108, 112-114, 116, 120, 123, 125-127, 129, 133, 135-136, 138-139, 145, 148, 155-156, 168, 168, 170, 173-174, 176, 176-179, 163, 169, 191, 194, 200, 203, 207-208, 210, 214-215, 216-219, 225, 227, 231-232, 234-236, 239, 243-244, 247, 252-253, 256, 262-263, 268, 271, 275, 280-281, 284, 286-287, 291, 294-295, 302, 308-309, 313, 318-320, 322, 329, 333-335, 337-338, 345-346, 348, 351-352, 354, 356-357, 362, 364-365, 369-370, 372, 374, 384, 386-387, 391, 393-394, 396-397, 401, 403, 406, 409-410, 413, 417-419, 421, 423, 425, 427, 429-432, 438-439, 447, 449, 451, 454-455, 457-459, 467, 471, 476-480, 482-483, 490-496, 499, 508, 511, 513, 516, 522-523, 525-531, 533-534, 539, 543-546, 548, 551-552, 557, 561-562, 567-568, 577-576, 580, 582, 586, 589-590, 595, 597, 599, 602-603, 605-606, 608, 612, 617, 619-621, 624, 631-633, 636, 639-640, 642-644, 646-647, 650, 652, 657, 660, 663, 685, 669, 672-674, 677, 680, 685, 687-688, 690-692, 697, 704-706, 709, 711-712, 719-720, 722-724, 726, 729, 732, 734-737, 739, 747-749, 754-755, 760-765, 768-769, 773, 775, 779, 761-763, 767-788, 793-794, 796, 798, 600-801, 804-806, 629, 638-840, 848-849, 653, 655-857, 659-881, 864-865, 668-869, 679-880, 682, 890, 694-895, 697, 901, 905, 909-911, 913-914, 919, 922-923, 925-928, 933, 936, 940, 943, 946, 948, 952, 956-957, 960, 962, 965-967, 972-973, 979-980, 982, 985-986, 989, 991, 993, 995-997, 999, 1002, 1004-1005, 1008, 1013-1016, 1020-1021, 1023-1024, 1026-1028, 1031, 1037, 1039, 1043, 1045, 1048-1053, 1055, 1059-1060, 1064, 1069, 1071-1076, 1084, 1087-1091, 1096-1097, 1099, 1102-1103, 1106, 1112-1113, 1116-1117, 1123-1126, 1132, 1134, 1141, 1144, 1152-1154, 1157, 1160, 1168, 1168, 1170, 1172, 1174-1175, 1177-1176, 1180, 1163-1164, 1166, 1195-1200, 1203-1204, 1207, 1209-1210, 1213-1214, 1216, 1216-1220, 1222, 1225
1233, 1237-1239, 1242, 1245, 1247, 1250, 1254, 1257-1259, 1264, 1267, 1272, 1276-1277, 1281, 1284, 1289, 1292-1295, 1301, 1305, 1308-1309, 1314, 1316, 1320, 1323-1325, 1329, 1334-1336, 1344, 1346, 1350-1351, 1355-1359, 1361-1362, 1364, 1368, 1370-1372, 1374, 1379-1383, 1385, 1386, 1392, 1394, 1396, 1400, 1403-1404, 1407, 1409-1414, 1416, 1420, 1422-1424, 1426-1427, 1429, 1433, 1439, 1445-1447, 1449-1450, 1453-1456, 1458-1459, 1461, 1464-1466, 1471, 1476-1477, 1479-1480, 1482-1485, 1487-1488, 1490, 1492, 1494-1495, 1497-1498, 1507, 1510, 1514, 1518-1519, 1523, 1528, 1531-1535, 1539-1540, 1543-1544, 1547, 1549-1551, 1553, 1561, 1568, 1571-1572, 1576, 1579, 1582, 1584, 1590, 1593-1594, 1597-1598, 1600-1601, 1604, 1606-1608, 1616, 1616-1619, 1622, 1626, 1630, 1632-1633, 1636, 1644-1645, 1650-1652, 1655, 1657, 1659, 1663-1664, 1670, 1672-1675, 1677, 1680-1683, 1685-1686, 1688-1689, 1693-1694, 1698-1700, 1703, 1707-1708, 1711, 1713-1714, 1716, 1723-1724, 1728-1730, 1733-1734, 1736-1737, 1739, 1741-1742, 1753, 1755-1757, 1759-1761, 1770-1771, 1779, 1762, 1764, 1766, 1768, 1790-1792, 1794-1797, 1799, 1803-1805, 1611, 1616, 1616, 1622, 1628, 1630, 1634-1835, 1641-1647, 1650, 1653, 1657, 1660, 1663, 1667, 1669, 1672, 1675, 1693, 1695-1696, 1698, 1904-1905, 1908, 1912, 1915, 1916-1921, 1926, 1928-1930, 1934, 1942-1943, 1946, 1949, 1951-1952, 1954-1955, 1962, 1964, 1966, 1968, 1974, 1976, 1979, 1964-1967, 1991, 1994, 1997, 1999, 2001, 2008, 2010-2011, 2013-2014, 2020, 2022, 2024, 2027-2028, 2031-2035, 2037, 2039-2045, 2049, 2051-2053, 2058-2060, 2067-2068, 2071-2076, 2076-2080, 2083-2084, 2087, 2092, 2094-2096, 2099, 2103, 2110-2112, 2116-2117, 2119, 2122, 2126, 2129, 2133, 2135, 2140, 2143, 2149, 2152-2153, 2158-2161, 2169-2170, 2177, 2163-2167, 2169-2190, 2192-2193, 2195, 2197-2200, 2202-2203, 2210, 2216-2217, 2221, 2223, 2234, 2236, 2238-2240, 2244, 2247, 2252, 2255-2256, 2259, 2261-2262, 2268-2269, 2272, 2275, 2284-2286, 2288-2289, 2293
2295-2297, 2302, 2308-2313, 2316-2317, 2319, 2322, 2325, 2327, 2331-2334, 2336, 2339, 2341-2342, 2345-2351, 2354, 2356, 2358, 2360-2362, 2368, 2371, 2373-2375, 2376, 2381, 2383, 2386, 2389-2390, 2397, 2400, 2404-2405, 2408, 2411-2412, 2416, 2424-2426, 2428-2429, 2432, 2434, 2439, 2442-2444, 2451, 2453-2454, 2459, 2462-2464, 2466, 2468, 2471, 2473, 2476, 2478, 2480-2482, 2484-2487, 2490, 2496,

2498-2499, 2501, 2504-2506, 2509, 2511, 2513, 2517, 2523, 2526, 2530, 2535, 2537, 2539, 2542, 2544-2545, 2547, 2552-2554, 2556, 2561-2564, 2566-2567, 2569, 2572-2575, 2577, 2580-2581, 2583-2584, 2586, 2591, 2593, 2596-2599, 2601, 2607-2606, 2613, 2624-2626, 2628, 2635-2636, 2640, 2643, 2646-2647, 2649, 2653-2655, 2657, 2660, 2664, 2667, 2671, 2673, 2676-2679, 2681-2685, 2687, 2689, 2691, 2693-2694, 2697-2698, 2706-2707, 2709-2710, 2713, 2718-2719, 2724, 2726-2727, 2730-2731, 2733, 2737-2736, 2740, 2743, 2747, 2750, 2752, 2756-2757, 2762, 2764-2769, 2773, 2775, 2779-2760, 2762-2783, 2765-2766, 2766, 2791, 2794-2798, 2800-2802, 2804, 2806-2807, 2809-2810, 2812, 2816, 2821, 2824, 2827, 2830-2831, 2833, 2841-2843, 2850-2852, 2854, 2657-2858, 2860, 2866-2867, 2873, 2875, 2878, 2887, 2889-2891, 2895-2896, 2901-2902, 2904, 2908, 2910-2911, 2914, 2917, 2922, 2924-2925, 2929, 2933, 2935, 2940-2941, 2945-2947, 2951, 2953, 2956, 2962, 2964, 2966, 2968, 2971, 2974, 2979, 2981, 2984, 2987, 2991, 2993, 2995, 2998, 3003, 3005-3006, 3008-3009, 3011, 3016-3016, 3020, 3022, 3024-3025, 3029, 3032, 3036, 3038, 3040, 3045, 3047, 3049-3050, 3054, 3057, 3059, 3062, 3070, 3073, 3078, 3062, 3065, 3088-3069, 3091, 3097, 3100, 3103-3104, 3107, 3111-3113, 3115-3116, 3123, 3126-3127, 3132, 3135-3137, 3139, 3143-3144, 3146, 3152, 3155-3158, 3163, 3167, 3189, 3160-3161, 3163, 3165, 3168, 3191-3192, 3194, 3197-3199, 3202-3203, 3206, 3209-3211, 3220, 3222, 3226-3227, 3233-3236, 3239, 3242, 3247-3249, 3256, 3258-3259, 3262-3263, 3265, 3267, 3270, 3273-3274, 3277-3278, 3281 3282, 3285, 3294-3297, 3299, 3305-3307, 3309, 3311, 3313-3316, 3320-3321, 3323, 3326-3328, 3330, 3333, 3335-3336, 3339-3342, 3348, 3351, 3353, 3355, 3380, 3368, 3374, 3376, 3381, 3385, 3387, 3389, 3392, 3398-3401, 3403-3404, 3406-3407, 3410, 3413-3414, 3416-3418, 3423-3425, 3428, 3430, 3433-3434, 3438-3439, 3442-3443, 3447, 3450-3456, 3468, 3468-3469, 3473, 3477, 3480, 3483, 3485-3486, 3489-3490, 3492-3493, 3495-3496, 3500-3505, 3508, 3510-3511, 3515, 3517-3519, 3525, 3529-3531, 3533, 3536-3538, 3540-3541, 3556, 3560-3562, 3564, 3587-3568, 3576, 3580, 3582, 3584, 3586, 3594, 3596-3597, 3599, 3601-3605, 3608, 3813-3817, 3622-3623, 3627-3828, 3632, 3634-3635, 3638-3639, 3646, 3648, 3650, 3652, 3656-3658, 3661, 3663, 3666, 3671-3675, 3678-3680, 3682, 3686-3688, 3894, 3696, 3703-3704, 3707-3708, 3712, 3717, 3719, 3721-3723, 3733-3737, 3739, 3743, 3745, 3748, 3751, 3753, 3758, 3782-3763, 3767-3768, 3771, 3773-3774, 3776, 3778, 3760, 3762, 3784, 3792-3794, 3798-3796, 3800, 3804, 3806-3808, 3810, 3813, 3816-3819, 3825, 3828, 3838-3840, 3843-3845, 3850-3851, 3856, 3858, 3861, 3867, 3869, 3871, 3874-3877, 3880-3881, 3887, 3669, 3893, 3895, 3896-3901, 3905, 3907, 3910-3912, 3914, 3917, 3920, 3923-3925, 3927-3929, 3937-3939, 3942, 3944-3945, 3948, 3951, 3953, 3959-3960, 3963-3965, 3967-3969, 3971, 3973-3975, 3977, 3979, 3961, 3965, 3967, 3993, 3996, 4000, 4011-4014, 4017, 4022, 4026, 4029-4031, 4034, 4039-4041, 4045, 4049-4052, 4055, 4061-4062, 4074, 4076-4079, 4084, 4089, 4097-4099, 4102-4103, 4105, 4108, 4112-4114, 4116, 4118, 4123-4124, 4126-4128, 4132, 4135-4136, 4144-4147, 4156, 4159, 4181, 4166-4167, 4169, 4171, 4174, 4176, 4178-4160, 4162, 4189, 4193-4194, 4196-4197, 4199, 4205, 4207-4270, 4212-4213, 4221, 4226, 4231-4234, 4236, 4238, 4242-4245, 4253, 4258, 4262, 4267, 4270, 4274, 4276-4277, 4279, 4288, 4290-4293, 4296-4300, 4302, 4306-4307, 4310-4311, 4313, 4320-4322, 4324, 4326, 4332-4333, 4339-4340, 4344-4347, 4349, 4353, 4361 4365, 4370-4371, 4373, 4376, 4380, 4385, 4395-4397, 4407, 4409, 4411, 4413-4414, 4419, 4424, 4438, 4441, 4443, 4446, 4452, 4456

MALEATES: 1146, 3283

MALIGNANT CARCINOID SYNDROME: 1214, 3975

MALIGNANT HYPERTHERMIA: 2335

MALOCCLUSION: 3464

MALONATES: 2691, 3200

MALPIGHIAN TUBULES: 1826

MAMMAE: 175, 426, 588, 1314, 1472, 1505, 1585, 1817, 1662, 2061-2062, 2142, 2324, 2642, 2774, 2958, 3115, 3125, 3148, 3150, 3204, 3215, 3569, 3607, 3852, 3989, 4075, 4200, 4337

MAMMALS: 580, 778, 1700, 1917, 2211, 3744

MAMMARY CANCER VIRUS: 175, 3638

MAMMARY NEOPLASMS, EXPERIMENTAL: 175, 1340, 1956, 2044, 2061-2062, 2839, 3148, 3338, 3494, 3638, 4112

MAMMILLARY BODIES: 2255, 4127

MANDELIC ACID: 2968

MANDIBLE: 1298, 1931, 2138, 3144

MANDIBULAR DISEASES: 3009, 3509

MANDIBULAR FRACTURES: 155

MANDIBULAR NEOPLASMS: 3009

MANGANESE: 786, 951, 1142, 1443, 2692, 3108, 3272, 3700, 4348

MANNITOL: 1992, 2744, 3102, 3823

MANNOSE: 1204, 2652, 3052, 3919, 3946, 3972

MANOMETRY: 1687, 3468

MAPLE SYRUP URINE DISEASE: 2411

MAREK'S DISEASE: 340

MARGARINE: 4349

MARRIAGE: 2503, 3687

MARSUPIALIA: 1596, 1700, 2254

MASS SCREENING: 1017, 1361, 1604, 1807, 2231, 2290, 2334, 3163, 4138

MASS SPECTRUM ANALYSIS: 258, 358, 427, 446, 677, 694, 1051-1052, 1070, 1483, 1749, 1876, 2170, 2278, 2334, 2494, 2505, 2680, 2898

MAST CELLS: 50, 580, 1959, 2560, 3125, 3288

MASTECTOMY: 1612, 2615, 4398

MASTICATORY MUSCLES: 442

MASTITIS: 3669, 4356-4357

MASTITIS, BOVINE: 68, 4356

MASTOID: 2973

MATERNAL AGE: 47-48, 278, 483, 496, 1127, 2252, 3309, 4298

MATERNAL BEHAVIOR: 464, 611, 609, 1262, 2258, 2651

MATERNAL DEPRIVATION: 3468, 3965

MATERNAL-FETAL EXCHANGE: 16, 54-55, 119, 149, 212, 251, 323, 332, 537, 667, 841, 892, 959, 975, 1018, 1270, 1316, 1417, 1591, 1739, 1616, 2005, 2016, 2038, 2154, 2379, 2404, 2517, 2631, 2709, 2711, 2813, 2815, 2836, 2846, 2868, 2903, 2965, 2968, 3025, 3446, 3522, 3701, 3812, 3821-3822, 3844, 3868, 4064, 4085, 4296, 4386, 4425

MATERNAL HEALTH SERVICES: 2070

MATHEMATICS: 92, 116, 193, 265, 334, 433, 1014, 1311, 1327, 1501, 1637, 2097, 2380, 2440, 2460, 2545, 2610, 2614, 2954, 3084, 3162, 3289, 3291, 3378, 3500, 4054, 4218

MAXILLA: 1931

MAXILLARY SINUS: 1661

MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 659

MEAT: 1442, 3097, 3853

MECAMYLAMINE: 919, 1331

MECHANORECEPTORS: 3007

MECHLORETHAMINE: 3031

MECKEL'S DIVERTICULUM: 1659

MECLIZINE: 4249

MECONIUM: 1749, 3692

MEDIAN NERVE: 1407

MEDIASTINAL DISEASES: 1788

MEDIASTINAL NEOPLASMS: 316, 322, 737, 1346, 2830, 2917, 3894

MEDIASTINUM: 2810

MEDICAL HISTORY TAKING: 1166, 1546, 1770

MEDICAL ILLUSTRATION: 1556

MEDICATION ERRORS: 1334, 2601

MEDICINE: 539, 723

MEDICINE IN ART: 1682

MEDROXYPROGESTERONE: 521, 920-921, 1036, 1691, 2128, 2421, 2719, 2766, 3030, 3671, 4070, 4435

MEDULLA OBLONGATA: 231, 421, 550, 1672, 2007, 2325, 2331, 3081, 3595

MEDULLOBLASTOMA: 1834, 2751

MEGACOLON: 1603, 3553

MEGAKARYOCYTES: 168, 307, 771

MEGESTROL: 2772, 4202, 4435

MEIOSIS: 597, 633, 657, 717, 1168, 1251, 1707, 1613, 2080, 2259, 2426, 2940, 3333, 3559, 3753, 3981, 4293

MELANIN: 190, 973, 1751, 2106, 4278

MELANOCYTES: 900, 1636, 2435

MELANOMA: 1045, 1099, 1527, 1771, 1912, 2022, 2106, 2111, 3290, 3348, 3819, 3937, 4193, 4378

MELATONIN: 177, 596, 1209, 1730, 2740, 3192

MELENGESTROL: 1036, 3149, 4215

MELKERSSON-ROSENTHAL SYNDROME: 3447

MELPHALAN: 780, 1093, 1239, 3006, 3061, 3363, 4107

MEMBRANE POTENTIALS: 346, 450, 535, 527, 1233, 1243, 1386, 1596, 1763, 2502, 2692, 2803, 3201, 3431, 3598, 3826, 3835, 3955, 4308

MEMBRANES: 1064, 1725, 2241, 2556, 2652, 2803, 3241, 3536, 3605, 3684, 3815, 3843, 3923, 4082, 4276

MEMBRANES, ARTIFICIAL: 1306, 1408, 4330

MEMORY: 4360

MEMORY DISORDERS: 4210

MEMORY, SHORT-TERM: 1063, 3087

MENARCHE: 2422, 3092, 4281

MENINGES: 272, 1045

MENINGIOMA: 11, 1447, 1634, 3743

MENINGITIS: 309, 589, 592, 774, 1547, 2360, 3529

MENINGITIS, MENINGOCOCCIC: 2336

MENINGITIS, PNEUMOCOCCAL: 3644

MENINGOCELE: 1025

MENINGOCOCCAL INFECTIONS: 1574, 2336

MENOPAUSE: 33-34, 148, 368, 830, 927, 1006, 1212, 1349, 1370, 1481, 1612, 1686, 2422, 2503, 3003, 3271, 3351, 3854, 3870, 4019, 4025, 4281, 4345, 4395, 4433

MENORRHAGIA: 34

MENOTROPINS: 288, 444, 1911, 1957, 2649, 3313, 3768

MENSTRUATION: 2, 274, 379, 500, 565, 777, 637, 670, 1111, 1138, 1161, 1237-1238, 1315, 1376, 1395, 1638, 1722, 1761, 1639, 1965, 2069, 2131, 2246, 2248, 2251, 2421, 2430, 2637, 2762, 2875, 2879, 3034, 3063, 3079, 3122, 3165, 3202, 3243, 3287-3268, 3271, 3359, 3395, 3577, 3626, 3669, 3732, 3814, 3891, 3914-3915, 3997, 4202, 4374

MENSTRUATION DISORDERS: 107, 274, 638, 676, 915, 1111, 1194, 1744, 1971, 2030, 2565, 2772, 2879, 3276, 4065, 4281, 4338, 4381

MENTAL DISORDERS: 375, 723, 1123, 1991, 2225, 3093, 3139, 3276, 3529, 3715, 4176

MENTAL PROCESSES: 3019

MENTAL RETARDATION: 32, 112, 401, 1017, 1207, 1270, 1377, 1449, 1650, 2093, 2476, 2664, 2791, 2951, 3019, 3040, 3529, 3592-3593, 3604, 3715, 3965, 4123, 4316, 4360, 4446

MEPERIDINE: 1076, 1371, 2893, 2965, 3347, 3856

MEPROBAMATE: 1613, 2192

MERCAPTOETHANOL: 696, 1146, 2974, 3612

MERCAPTOETHYLAMINES: 2259

MERCAPTOPURINE: 1084, 1631, 1994, 2004, 2067, 2306, 3068, 3260, 3557, 4107

MERCURIBENZOATES: 2355, 3612

MERCURY: 259, 2086, 2191, 3352, 3612, 3684

MERCURY ISOTOPES: 1447

MERCURY POISONING: 1142

MESCALINE: 2260, 3760, 3868

MESENCEPHALON: 231, 421, 627, 651, 1397, 1672, 1803, 1970, 2020, 2139, 2261, 2496, 2767, 2910, 2942, 3493, 3896, 4060, 4161, 4216, 4331

MESENCHYMOMA: 585

MESENTERIC ARTERIES: 1410, 1531

MESENTERIC VASCULAR OCCLUSION: 2622

MESENTERY: 1097, 2727

MESONEPHROMA: 4019

MESOTHELIOMA: 426

MESTRANOL: 33, 443, 1036, 1227, 1369, 1376, 1648, 1864, 2421, 2452, 3030, 3280, 3460, 3852, 3915, 4364

METABOLIC CLEARANCE RATE: 156, 242, 251, 626, 684, 841, 672, 936, 1165, 1169, 1461, 1616, 1899, 2240, 2779, 2916, 2995, 3801

METABOLIC DISEASES: 958, 2570, 2932, 3406, 3529, 3662, 4344

METABOLISM: 723, 1103, 1399, 1434, 2389, 3140, 3744

METABOLISM, INBORN ERRORS: 226, 1017, 1115, 1199, 1345, 1706, 2914, 3310, 3604, 3662, 3776, 3985, 4313, 4332

METACARPUS: 34, 923, 2928, 3911

METALS: 1142, 1275, 2709

METAMORPHOSIS, BIOLOGICAL: 751, 1548, 1658, 2232

METAPLASIA: 3065

METARAMINOL: 3628

METATARSUS: 3364

METFORMIN: 2492, 2992

METHACHOLINE COMPOUNDS: 2939, 3393, 3679, 4259

METHADONE: 935, 1371

METHAMPHETAMINE: 2035, 2039, 2434, 3959-3960

METHANE: 1715

METHAQUALONE: 3512

METHEMOGLOBIN: 3649

METHIMAZOLE: 63, 1118, 1162, 1752, 1769, 2238, 2858, 3758

METHIONINE: 316, 714, 2031, 2680, 3507-3508, 3731, 4083, 4089
METHIONINE SULFOXIMINE: 3029
METHODS: 1, 18, 57, 63, 69, 105, 186, 209, 212, 230, 232, 241, 281, 283, 271, 275, 317, 318, 325, 334, 358-360, 372, 378, 385, 416, 420, 446, 455, 488, 505, 511, 534, 540, 589, 575, 580, 612, 644, 670, 688, 707, 725, 740, 750, 753, 789, 792, 815, 818, 822, 843, 877, 938, 853, 955, 885, 1004-1005, 1014, 1040, 1058, 1067, 1070-1071, 1074, 1077, 1080, 1082, 1096, 1128, 1131, 1141, 1148, 1154, 1188, 1197, 1200, 1202, 1235, 1255, 1266-1287, 1278-1280, 1282, 1299, 1314, 1323, 1340, 1381, 1388, 1378, 1487-1468, 1485, 1501, 1503, 1511, 1515, 1530, 1536, 1539, 1555, 1559, 1562, 1581, 1828, 1643-1644, 1647, 1654, 1665-1666, 1668, 1878, 1883, 1714, 1737, 1764, 1767, 1768, 1775, 1785, 1824, 1833, 1840, 1873, 1883, 1918, 1960, 1967, 1870, 1877-1978, 2012, 2018, 2021, 2032, 2060, 2070, 2076-2077, 2087, 2098, 2106, 2113, 2122, 2152, 2178, 2201, 2228, 2264, 2278, 2337, 2348, 2381, 2372, 2431-2432, 2439, 2480, 2495, 2505, 2518, 2524, 2551, 2603, 2629, 2634, 2642, 2653, 2863, 2680, 2883, 2704, 2722, 2725, 2729, 2736, 2757, 2763, 2770, 2780, 2788, 2798, 2799, 2810, 2817, 2839, 2857, 2887, 2907, 2815, 2933, 2975, 2888, 2991, 2994, 3004, 3012, 3017, 3023, 3026, 3034, 3096, 3118, 3123-3124, 3135, 3181, 3186-3188, 3206, 3211, 3215, 3218, 3221, 3228, 3233, 3236, 3253, 3263, 3271, 3281, 3283, 3291, 3300, 3328, 3385, 3400, 3420, 3442, 3482, 3465-3466, 3475, 3485, 3514, 3570, 3577, 3585, 3589, 3621-3622, 3635, 3651, 3681-3682, 3704, 3708, 3735, 3753, 3801, 3873, 3882, 3884, 3881, 3909, 3916, 3921, 3835, 3945, 3963, 3874, 3877, 4002, 4038, 4046, 4057, 4064, 4077, 4090, 4114, 4147, 4162-4163, 4185, 4192-4193, 4223, 4227-4228, 4253-4254, 4272, 4286, 4290, 4292, 4321, 4367, 4368, 4390
METHOTREXATE: 57, 185, 285, 697, 709, 720, 867, 1488, 1631, 1765, 1834, 1994, 2058, 2283, 2354, 2557, 2771, 3031, 3061, 3068, 3260, 3285, 3412, 3545, 4031, 4327, 4411-4412, 4432
METHOXAMINE: 1655, 1668, 3679, 3751, 3841
METHOXYFLURANE: 2893
METHYL ETHER: 1082-1083, 1400, 1531, 1873, 3721, 4151
METHYLAMINES: 342, 3879
METHYLATION: 73, 229, 692, 1565, 1648, 2278, 3151, 3833, 4089, 4152, 4227
METHYLCELLULOSE: 4383
METHYLCHOLANTHRENE: 218, 1642, 1918, 2416, 3175
METHYLDOPA: 439, 818
METHYLDOPAHYDRAZINE: 1209
METHYLPREDNISOLONE: 1, 143, 183, 266, 615-616, 1081, 1288, 1489, 1505, 1526, 1641, 1694, 1925, 2081, 2107, 2248, 2306, 2386, 2543, 2603, 3262, 3284, 3338, 3375, 3479, 3546, 3690-3681, 3722, 3725, 4071, 4172, 4267
METHYLTESTOSTERONE: 1622, 1715, 1864, 4164
METHYLTHIOURACIL: 688, 1423, 1427, 2090, 2626, 2848, 2858, 3154, 3350, 3443, 3869
METHYLTRANSFERASES: 545, 678, 692-683, 1567, 1626, 1671, 1685, 1761, 2325, 2434, 2740, 2947, 3878
METHYLTYROSINES: 308, 561, 726, 735, 765, 1108, 1210, 1961, 2261, 2498, 2506, 2752, 2782, 3282, 3657, 3885, 4213
METHYSERGIDE: 184, 862, 1109, 1209, 1243, 1383, 1836, 2377, 3152, 3399, 3926
METRONIDAZOLE: 856
METRORRHAGIA: 437
METYRAPONE: 705, 710, 794, 844, 888, 1649, 1683, 1750, 2055, 2387, 2453, 2781, 2946-2947, 2979, 3159, 3223, 3428, 3454, 3468, 4010, 4085, 4252
MEVALONIC ACID: 332, 1013
MEXICO: 4036
MICE: 92-83, 89, 142, 148, 153, 175-176, 193, 207-208, 218-219, 229, 244, 281, 285, 303, 308, 336, 343, 351, 386, 409, 417, 454, 478, 522, 541, 566, 605, 614, 648, 665-666, 675, 690, 692, 705, 707-708, 711, 736, 764, 838, 850-852, 865, 881, 900, 914, 916, 936, 940, 858, 965, 979, 986, 1018, 1032, 1063, 1126, 1132, 1142, 1154, 1181, 1186-1187, 1229, 1245, 1262, 1289, 1295, 1298, 1333, 1351, 1405, 1415-1416, 1432, 1434, 1580, 1590, 1592, 1601, 1626, 1635, 1642, 1656, 1872-1676, 1762, 1780, 1795, 1797, 1809, 1813, 1836, 1847, 1853, 1867, 1882, 1887, 1906, 1932, 1961, 2044, 2052, 2056-2057, 2061-2062, 2125, 2127, 2143, 2163-2165, 2180, 2185, 2223, 2259, 2266, 2283, 2305, 2342, 2353, 2358, 2402, 2412, 2416, 2434, 2444, 2477, 2488, 2496, 2507-2508, 2531-2532, 2535, 2540, 2554, 2560, 2572, 2821, 2644, 2669, 2878, 2712-2713, 2718-2719, 2754, 2782, 2764, 2792, 2838, 2851, 2857, 2888-2889, 2918, 2924, 2933, 2965, 3029, 3037, 3059, 3089-3090, 3146, 3148, 3175, 3207, 3212, 3214, 3224, 3258, 3275, 3288, 3344, 3363, 3382, 3392, 3396, 3419-3420, 3439, 3504-3505, 3567-3568, 3607-3608, 3618, 3638, 3649, 3887, 3671, 3711, 3726, 3745, 3753, 3772, 3790, 3789, 3814, 3837, 3852, 3859, 3890, 3885, 3908, 3927, 3950, 4012-4013, 4020, 4057, 4075-4076, 4112, 4128, 4130, 4134, 4148, 4182, 4194-4196, 4200, 4266, 4276, 4278-4279, 4282, 4298, 4331, 4339, 4361
MICE, INBRED A: 79, 1186, 3089
MICE, INBRED AKR: 208, 940
MICE, INBRED BALB C: 92, 175, 692, 1032, 1130, 1333, 2434, 2676, 2719, 3419, 4130
MICE, INBRED C3H: 79, 175, 1186, 2061, 2358, 2412, 2718, 3148, 3607, 3638, 3799, 3852, 4126
MICE, INBRED C57BL: 142, 208, 682, 736, 940, 959, 1032, 1186, 1333, 1887, 2259, 2358, 2412, 2418, 2644, 2718, 2764, 3059, 3148, 3175, 3567, 4126
MICE, INBRED CBA: 454, 692, 881, 959, 1626, 1809, 2644, 3419, 3568, 4339
MICE, INBRED DBA: 208, 409, 692, 940, 2644, 3419, 3567
MICE, INBRED ICR: 1674-1675, 2444, 4182
MICE, INBRED NZB: 1626
MICE, INBRED STRAINS: 79, 208, 281, 308, 708, 940, 959, 1032, 1181, 1186, 1582, 1601, 1642, 1672, 1797, 1867, 1961, 2283, 2434, 2644, 2792, 2851, 2888-2889, 2924, 2933, 3148, 3259, 3567-3588, 3671, 3745, 4148
MICROBODIES: 365
MICROCEPHALY: 214, 853, 911, 3405
MICROCHEMISTRY: 359, 1714, 2278, 2788, 3015
MICROCIRCULATION: 293, 714, 1485, 1526, 1760, 2950, 3325
MICROCOCCUS: 99, 2227
MICROELECTRODES: 1321, 3402
MICROGNATHISM: 1183
MICROINJECTIONS: 3087
MICROMANIPULATION: 1168
MICROPORE FILTERS: 1062, 2165, 2399, 3308
MICRORADIOGRAPHY: 230, 255, 292, 1038, 1556, 1644, 2316, 2431, 2450, 2551, 2553, 2989, 3328, 3527, 3922
MICROSCOPY: 428, 440, 888, 890, 2537, 2911, 3124, 3333, 3518-3518, 3688, 3895
MICROSCOPY, ELECTRON: 35, 53, 88, 98, 137, 153, 183, 188, 223, 229, 243, 290, 304, 365, 428, 440, 478, 522, 550, 698, 727, 747-748, 751, 799, 835, 863, 880, 890-891, 912, 818, 980, 1002, 1081, 1100, 1145, 1224, 1234, 1239, 1247, 1274, 1325, 1367-1368, 1480, 1497, 1617-1618, 1621, 1636, 1639, 1651, 1734-1735, 1788, 1794, 1799, 1858, 1937, 2043, 2084-2085, 2099, 2115, 2139, 2178, 2218, 2268, 2272, 2286, 2341, 2367, 2374, 2407, 2438, 2468, 2508, 2537, 2592, 2812-2813, 2870, 2727, 2739, 2751, 2764, 2824, 2826, 2838, 2843, 2851, 2864, 2929, 2955, 2978, 2990, 3018, 3043, 3055, 3066, 3080, 3127, 3151, 3157-3158, 3189, 3241, 3244, 3250, 3275, 3283, 3295, 3320, 3333, 3348, 3367, 3369, 3396, 3409, 3420, 3432, 3518-3519, 3570, 3587, 3595, 3605, 3638, 3664, 3688, 3694, 3720, 3725, 3745, 3843, 3857, 3866, 3895, 3897, 3906-3907, 3909, 3956, 4008, 4035, 4049, 4073, 4082, 4122, 4183, 4236, 4294, 4326
MICROSCOPY, ELECTRON, SCANNING: 303, 2163, 3058, 3074, 3272, 3312, 3455, 3527
MICROSCOPY, FLUORESCENCE: 16, 120, 190, 230-231, 296, 359-360, 605, 623, 893, 1074, 1239, 1638, 2165, 2210, 2218, 2407, 2439, 2465, 2560, 2880, 2931, 3345, 3896, 4008, 4248, 4326
MICROSCOPY, PHASE CONTRAST: 243, 1168, 1239, 1500, 1642, 1887, 2234, 2438, 2490, 2619, 3359, 3664, 4288
MICROSCOPY, POLARIZATION: 1087, 1168, 3527, 3680
MICROSCOPY, ULTRAVIOLET: 190
MICROSOMES: 215, 1341, 1432, 1457, 1551, 1564, 1877-1878, 1925, 2003, 2241, 2243, 2302-2303, 2426, 2580, 2674, 2848, 2891, 3151, 3476, 3562, 3857, 4051, 4302
MICROSOMES, LIVER: 356-357, 452, 567, 916, 931, 1013, 1026, 1483, 1649, 2173, 2334, 2877, 2895, 3060, 3151, 3297, 3409, 3855, 4010, 4044, 4236
MICROSURGERY: 66, 2060
MICROTOMY: 1248, 1936, 2851, 3218, 3950
MICROTUBULES: 304, 522, 799, 2537, 2739, 2929, 3333, 3518, 3727, 3890
MICROWAVES: 183, 487
MIDDLE AGE: 9, 11, 21, 26, 32, 34, 42, 45, 56, 61, 70, 83, 100-101, 107, 116-118, 121, 129, 132-133, 139-140, 145, 147, 150, 163, 179, 185-186, 210, 235, 239, 254, 263-264, 266, 275, 282, 287, 302, 309, 316, 319, 321-322, 334, 341, 345, 355, 362, 366, 369, 379, 383, 385, 391, 396-397, 399, 410, 425, 439, 451, 459, 467, 469, 474, 480, 482, 487, 491, 499-500, 518, 520, 527, 536, 548, 552, 554, 560, 565, 568, 583, 586, 592, 596, 599, 603, 606, 612, 617, 620-621, 628, 636, 641, 643, 655, 662, 672, 677, 685, 687, 697, 709, 712, 719, 737, 742, 760-761, 773, 781, 787-788, 796, 801, 805-806, 830, 647, 856, 860, 867, 909, 922-923, 927, 933, 939, 946, 948, 957, 960, 962-963, 967, 988-989, 991, 993, 995, 1004, 1006, 1015-1016, 1037, 1043, 1065, 1071, 1073, 1075, 1080, 1083, 1111, 1114, 1124, 1136, 1138, 1150, 1160, 1170, 1172-1173, 1178, 1194, 1212, 1214, 1225, 1239, 1253-1254, 1258, 1276, 1278, 1292, 1301, 1307-1309, 1315, 1316, 1328-1329, 1334, 1339, 1343-1349, 1352, 1356-1357, 1372-1373, 1379, 1409, 1419, 1426, 1429, 1433, 1446-1447, 1455, 1458-1459, 1461, 1463-1464, 1466, 1469-1471, 1474, 1476, 1491, 1494, 1529, 1534, 1544, 1547, 1569, 1579, 1584, 1594, 1604, 1606, 1608, 1612, 1651, 1657, 1659, 1685, 1688, 1694, 1713, 1726, 1729, 1736-1737, 1743, 1758, 1771, 1786, 1790, 1828, 1844, 1846, 1860, 1869-1870, 1875, 1888, 1920, 1928, 1930, 1942-1943, 1951, 1958, 1962, 1966, 1974, 1987, 1991, 1994, 2011, 2022, 2033-2034, 2040, 2042, 2045, 2060, 2071, 2079, 2083, 2091, 2112, 2116-2117, 2119, 2122, 2129, 2159, 2169, 2177, 2183-2184, 2186, 2190, 2197, 2203, 2216, 2222, 2226, 2233, 2240, 2247, 2267-2268, 2275, 2285, 2288, 2296, 2296, 2310, 2314, 2317, 2322, 2325, 2336, 2339, 2345, 2361, 2373, 2383, 2386-2387, 2389-2390, 2397, 2406, 2413, 2415, 2418, 2441-2443, 2446, 2451, 2454, 2464, 2469, 2471, 2478, 2487, 2503, 2511, 2522, 2542, 2547, 2549-2551, 2565-2566, 2574, 2577, 2585, 2588, 2599-2600, 2602, 2609, 2615-2616, 2625, 2632-2633, 2635, 2641
2649, 2687, 2710, 2723, 2738, 2743, 2747, 2760, 2765, 2769, 2779, 2786, 2790, 2801, 2804, 2806-2807, 2810, 2812, 2816, 2821, 2827, 2833, 2850, 2854, 2883, 2887, 2905, 2917, 2949, 2958, 2971, 2973, 2981, 2986, 2989, 3005, 3010, 3016, 3032, 3042, 3045, 3049, 3054, 3064, 3078, 3082, 3091, 3094, 3100, 3107, 3110, 3114, 3117-3118, 3122, 3152, 3155, 3162, 3169, 3173, 3179, 3188, 3183, 3197, 3221, 3233, 3246, 3258, 3260, 3262-3263, 3274, 3281, 3285, 3295, 3299, 3305, 3311, 3314-3315, 3323, 3327, 3338, 3341, 3348, 3351, 3353, 3361, 3367, 3374, 3376, 3381, 3385, 3387, 3400-3401, 3404, 3406, 3410, 3417, 3421, 3434, 3438, 3442, 3447, 3457, 3466, 3469, 3477, 3480, 3485-3486, 3490, 3510, 3516, 3525, 3560-3561, 3572, 3580, 3586, 3593-3594, 3597, 3602, 3609, 3611, 3613, 3622, 3626, 3632, 3648, 3652, 3658, 3669, 3673-3674, 3678, 3704, 3707-3709, 3716-3717, 3734, 3736, 3778, 3780, 3784, 3793, 3803, 3814, 3819, 3825, 3843, 3845, 3858, 3863, 3870, 3893-3894, 3907, 3929, 3937-3939, 3945, 3948, 3951-3852, 3966-3968, 3975, 3978-3979, 3997, 4005, 4011, 4019, 4024, 4034-4036, 4041, 4062, 4084, 4094, 4096, 4102, 4111, 4118, 4128-4129, 4144, 4158, 4158-4159, 4168, 4171, 4176, 4179, 4202, 4205, 4231, 4242-4243, 4258, 4262, 4264, 4267-4268, 4281, 4299, 4306, 4313, 4344-4345, 4355, 4366, 4371, 4373, 4376, 4379-4380, 4385, 4395, 4397, 4399, 4407, 4424
MIDWIFERY: 2886
MIGRAINE: 837, 1720, 1820, 3152
MIKULICZ' DISEASE: 3718, 3834
MILITARY MEDICINE: 539, 3231
MILK: 757, 809, 823, 1271, 1442, 1558, 1922, 2005, 2088, 2263, 2323, 2410, 2529, 2604, 2897, 2956, 3097, 3133, 3418, 3730, 3747, 3903, 4141, 4356-4357, 4449
MILK, HUMAN: 2263, 3373, 4058, 4449
MILK PROTEINS: 1899, 2323, 3373
MINERALOCORTICOIDS: 15, 631, 705, 930, 1175, 1387, 1396, 2162, 2645, 2685, 3436, 3662

SUBJECT INDEX

MINERALS: 112, 612, 687, 738, 1429, 2122, 2702, 2928, 3005, 3330, 3897, 4053
MINIMAL BRAIN DYSFUNCTION: 2041
MINK: 3551, 3587
MIOTICS: 3469
MITE INFESTATIONS: 2175
MITHRAMYCIN: 2482, 4407, 4422
MITOCHONDRIA: 137, 152-153, 215, 304, 433, 440, 522, 795, 799, 843, 1002, 1063, 1144, 1192, 1247, 1480, 1564, 1735, 1789, 1814, 1877-1878, 1901, 1937, 2003, 2043, 2084-2085, 2302-2303, 2504, 2537, 2580, 2612, 2674, 2699, 2764, 2824, 2838, 2843, 2979, 3055, 3100, 3127, 3157, 3275, 3283, 3333, 3383, 3398, 3429, 3435, 3518-3519, 3536, 3562, 3605, 3857, 3906, 4008, 4035, 4049, 4051, 4119, 4124, 4252, 4294, 4302
MITOCHONDRIA, LIVER: 931, 1064, 1374, 1677, 1766, 1814, 1986, 2513, 2670, 2723, 3321, 3396, 3409
MITOCHONDRIA, MUSCLE: 160, 221, 912, 1432, 1677, 2407, 2813, 2891, 3560, 3684
MITOCHONDRIAL CONTRACTION: 1247
MITOCHONDRIAL SWELLING: 3398, 3684
MITOGENS: 3141
MITOSIS: 92, 121, 170, 177, 265, 312, 531, 541, 563, 578, 597, 635, 688, 699, 717, 849, 851-852, 1081, 1150, 1169, 1171, 1251, 1477, 1563, 1698, 1705, 1707, 1999, 2160, 2237, 2338, 2425, 2507, 2676, 2756-2757, 2873, 2954, 3074, 3122, 3127, 3157, 3178, 3229, 3239, 3270, 3275, 3312, 3333, 3407, 3410, 3443, 3485, 3802, 3881, 3890, 3922, 4034, 4107, 4218, 4222, 4346, 4353
MITOTANE: 2582
MITRAL VALVE STENOSIS: 4157
MMPI: 2486
MOBILE HEALTH UNITS: 556
MODELS, BIOLOGICAL: 92, 343, 403, 478, 541, 572, 913, 1173, 1327, 1389, 1408, 1717, 1902, 1949, 1986, 2366, 2676, 2957, 3084, 3105, 3291, 3500, 3528, 3744, 3908, 3955, 4167, 4218, 4301, 4321, 4342
MODELS, CHEMICAL: 2016, 2955, 3833, 3838
MODELS, NEUROLOGIC: 807, 3544
MODELS, PSYCHOLOGICAL: 2274
MODELS, THEORETICAL: 1504, 2440, 2863
MOLAR: 2049, 3747, 3862, 3913, 4139
MOLASSES: 3097
MOLECULAR BIOLOGY: 723, 3711, 4007
MOLECULAR CONFORMATION: 367, 1764, 2050, 2204, 2629, 2955, 3413, 3612, 4109, 4172
MOLECULAR WEIGHT: 6, 51, 271, 311, 718, 740, 842, 896, 1189, 1249, 1311, 1801, 1609, 1847, 2021, 2068, 2121, 2135, 2230, 2241, 2627, 2696, 2768, 2874, 2906, 3167, 3234, 3250, 3388, 3458, 3638, 3811, 3815, 4117
MOLLUSCA: 315, 2388, 2407, 2881-2882
MOLYBDENUM: 290, 1275, 1764, 2725
MONGOLISM: 32, 47, 1017, 1127, 1211, 1362, 1723, 2411, 2914, 3163, 3777, 4173
MONGOLOID RACE: 2812
MONILIALES: 1285, 2234, 2435, 3078
MONILIASIS: 675, 856, 1042, 1856, 2000, 3644, 4026, 4108
MONILIASIS, CUTANEOUS: 3078, 3746
MONITORING SYSTEMS: 1141, 2732, 3252, 3264, 3692
MONKEY DISEASES: 3226
MONKEYS: 18, 71, 78, 200, 286, 433, 571, 580, 769, 777-778, 638, 924, 949, 973, 1157, 1325, 1369, 1389, 1444, 1484, 1587, 1624, 1626, 1645, 1676, 1679, 1815, 1830, 1840, 1878, 1916, 1941, 1967, 2002, 2180, 2213, 2366, 2460, 2473, 2480, 2596, 2607, 2762, 2953, 3000, 3050, 3075, 3189, 3218, 3226, 3250, 3393, 3639, 3694, 3698, 3799, 3813, 3868, 4054, 4113, 4146, 4352
MONOAMINE OXIDASE: 172, 545, 577, 1351, 1565, 1814, 2473, 2947, 2968, 3167, 3772, 3818, 4009, 4297, 4373
MONOAMINE OXIDASE INHIBITORS: 244, 1284, 1351, 3772
MONOCYTES: 621
MONOMYCIN: 537
MONOTREMATA: 1700
MONSTERS: 278
MORPHINANS: 1649
MORPHINE: 561, 695, 1228, 1308, 1371, 1874-1675, 2893, 3282, 3399, 3649, 4307
MORPHINE ADDICTION: 1675, 2867, 4174
MORPHOGENESIS: 707, 954, 1298, 1367, 1392, 1563, 1568, 1635, 1750, 1970, 2489, 3174, 3302, 3533, 4020
MORPHOLINES: 2778
MORTALITY: 453, 723, 1134, 1513, 4291
MORTUARY CUSTOMS: 903
MOSAICISM: 338, 717, 900, 915, 1074, 1320, 1864, 1723, 1826, 1841, 1978, 2412, 3229, 3528, 4178, 4298
MOSQUITOES: 245
MOTION PERCEPTION: 4012
MOTION PICTURES: 4188
MOTIVATION: 228, 935, 972, 1164, 2042
MOTOR ACTIVITY: 98, 227, 280-281, 561, 765, 809, 993, 1351, 1502, 1803, 2075, 2342, 2366, 2498, 2798, 2967, 3087, 3493, 4012, 4151, 4182, 4188, 4307
MOTOR NEURONS: 184, 854, 1035, 2075, 2484, 2865, 4233
MOTOR SKILLS: 842
MOTTLED ENAMEL: 3777
MOUSE TUMOR VIRUSES: 1181
MOUTH DISEASES: 295, 697, 2179, 3009, 3091, 3190, 4393
MOUTH MUCOSA: 915, 1361, 1742, 2011, 2791, 3220
MOUTH NEOPLASMS: 113, 801, 1810, 1934, 2022, 3009, 3637, 4147, 4398
MOUTHWASHES: 3718, 4393
MOVEMENT: 468, 989, 1656, 1873, 1954
MOVEMENT DISORDERS: 598, 1301, 1438, 1466, 2883, 3261, 3423, 3512, 3831, 4404
MSH: 415, 948, 1404, 2387, 3176, 3384, 4278, 4312
MUCIN: 3377
MUCOPOLYSACCHARIDES: 494-495, 579, 842, 1953, 1989, 2029, 2605, 2914, 3170, 3435, 3754, 3802, 3836, 4255, 4413
MUCOPROTEINS: 328, 960, 2913, 4314, 4355
MUCOR: 2088
MUCOUS MEMBRANE: 1448, 1514, 2215, 2641, 3359, 4219, 4294
MUCUS: 2215, 3175, 3413, 4219
MULLERIAN DUCTS: 490, 1171, 1799
MULTIENZYME COMPLEXES: 966, 3413, 3883, 4448
MULTIPLE MYELOMA: 780, 978, 1093, 1136, 1225, 1604, 1709, 1772, 2189, 2314, 2346, 2767, 3363, 3463, 3644, 3673
MULTIPLE SCLEROSIS: 2584, 2970, 3071, 4261
MUMMIES: 1682
MUMPS: 2503
MURAMIDASE: 99, 525, 1418, 1775, 2097, 2913, 3706
MUSCLE CONTRACTION: 72, 77, 93, 159, 166, 180, 246, 422, 475, 535, 782, 803, 811-814, 874, 898-899, 912, 1007, 1233, 1243, 1247, 1341, 1360, 1492, 1578, 1629, 1696, 1791, 1857, 2002, 2018-2019, 2213, 2248, 2280-2282, 2304, 2377, 2418, 2461, 2479, 2500, 2502, 2513, 2749, 2817, 2860, 2865, 3108, 3183, 3201, 3342, 3399, 3539, 3553, 3565, 3620, 3700, 3769, 3835, 3837, 3955, 4018, 4043, 4259, 4263, 4303
MUSCLE CRAMP: 2783
MUSCLE DENERVATION: 782, 1847, 2484
MUSCLE PROTEINS: 782, 950-951, 1007, 1832, 1847, 2484, 2829, 3676, 3789
MUSCLE RIGIDITY: 1438, 1677
MUSCLE, SMOOTH: 77, 85, 180, 246, 460, 473, 535, 694, 885, 912, 928, 1057, 1233, 1237-1238, 1243, 1247, 1277, 1341, 1360, 1383, 1392, 1492, 1531, 1696, 1791, 1799, 1857, 1886, 2148, 2280, 2407, 2502, 2513, 2723, 2829, 2845, 3183, 3201, 3296, 3342, 3386, 3431, 3553, 3570, 3700, 3835, 3837, 3886, 3955, 4043, 4251, 4259, 4303
MUSCLE TONUS: 873, 1230-1232, 3431
MUSCLES: 28, 93, 245, 327, 337, 352, 363, 430, 632, 650, 659, 680, 684, 706, 718, 782, 802, 895, 898, 950-951, 973, 1007, 1041, 1065, 1195, 1219, 1252, 1303, 1324, 1383, 1432, 1460, 1507, 1700, 1789, 1792, 2018, 2064, 2133, 2167, 2202, 2227, 2355, 2372, 2479, 2484, 2488, 2562, 2607, 2813, 2827, 2844, 2892, 2724, 2749, 2763, 2865, 2900, 2904, 2911, 3176-3177, 3266, 3305, 3331, 3336, 3427, 3461, 3503, 3560, 3604, 3676, 3752, 3779, 3782, 3803, 3814, 3880, 3886, 3917, 3950, 4020, 4040, 4042, 4146, 4189, 4233, 4280, 4331, 4411
MUSCULAR ATROPHY: 2285, 4030, 4233
MUSCULAR DISEASES: 958, 963, 2285, 2442, 3311, 3353, 3560, 4128, 4389, 4411
MUSCULAR DYSTROPHY: 226, 1432, 1847, 3315, 3388, 3843
MUSCULAR DYSTROPHY, ANIMAL: 2745
MUSHROOMS: 786
MUSSELS: 1789, 2407, 4448
MUSTARD COMPOUNDS: 2087, 2801, 3407, 4112
MUTAGENS: 1813
MUTATION: 5, 157, 229, 340, 597, 600, 883-884, 1831, 1961, 2444, 2536, 2658, 2718, 3121, 3229, 3419, 3504-3505, 3533, 3661, 3745, 4291
MYASTHENIA GRAVIS: 226, 275, 307, 442, 459, 655, 683, 805, 861, 2514, 2865, 3305, 3561, 3803, 4082
MYCOBACTERIUM: 137, 3741
MYCOBACTERIUM LEPRAE: 1130, 1998, 2959
MYCOBACTERIUM TUBERCULOSIS: 136, 2531
MYCOPLASMA: 343, 1336, 2391, 3894
MYCOPLASMA INFECTIONS: 1336, 2392
MYCOSES: 76, 143, 1328, 1372, 1482
MYCOSIS FUNGOIDES: 2769, 4105
MYCOTOXINS: 786, 1142, 1330
MYELIN SHEATH: 229, 1063, 1238, 4119
MYELITIS: 4128
MYELOGRAPHY: 2429
MYELOID METAPLASIA: 2854
MYELOMA PROTEINS: 1627, 2314, 3363
MYELOPROLIFERATIVE DISORDERS: 4191
MYOBLASTOMA: 279
MYOCARDIAL DEPRESSANTS: 302
MYOCARDIAL DISEASES, PRIMARY: 1992, 2891
MYOCARDIAL DISEASES, SECONDARY: 101, 1974, 2190, 2745
MYOCARDIAL INFARCT: 967, 1595, 1618, 1760, 1828, 1942-1943, 2129, 2446, 2452, 2633, 2643, 2701, 2735, 2765, 2827, 3045, 3401, 3971
MYOCARDIUM: 28, 304, 337, 352, 390, 426, 562, 567, 577, 632, 660-661, 684, 700, 706, 715, 726, 770, 950-951, 973, 1131, 1154, 1363, 1386, 1399, 1607, 1613, 1646, 1700, 2132, 2167, 2242-2243, 2282, 2307, 2311, 2355, 2378, 2530, 2583, 2644, 2697, 2705, 2715, 2749, 2754, 2783, 2860, 2891, 2900, 2927, 3101, 3108, 3565, 3660, 3682, 3684, 3761, 3792, 3811, 3815, 3880, 3975, 4040, 4042, 4146, 4213, 4234, 4254, 4349, 4380
MYOCLONUS: 1466
MYOFIBRILS: 430, 1410, 1432, 3570
MYOGRAPHY: 287
MYOMA: 2781
MYOPIA: 1640, 3220
MYOSIN: 1847, 3769
MYOSITIS: 756
MYOSITIS OSSIFICANS: 3330
MYOTONIA ATROPHICA: 4030
MYXEDEMA: 12, 188, 226, 946, 1147, 1225, 1317, 1455, 1489, 1593, 1894, 2418, 2964, 3061, 3603, 4255, 4336
MYXOMYCETES: 843, 4287
MYXOVIRUS: 343, 4272
NAD: 152, 356, 528, 1144, 1300, 1424, 1706, 2061, 2355, 2493-2494, 3151, 3398, 3814, 3942, 4140
NADH, NADPH OXIDOREDUCTASES: 1847, 3843, 4236
NADP: 276, 329, 356-357, 528, 1026, 1275, 1300, 1472, 1901, 2302, 2364, 2371, 2877, 2972, 3151, 3814, 4010
NAIL-PATELLA SYNDROME: 1734
NAILS: 1347
NAILS, MALFORMED: 487, 2951
NALORPHINE: 1076
NALOXONE: 561, 1675, 3282, 4174, 4307
NANDROLONE: 369, 438, 650, 1038, 2133, 2552
NAPHTHALENES: 152, 708, 2927, 3636, 3811
NAPHTHOLS: 1012
NAPHTHOQUINONES: 1012
NARCOTICS: 2720
NASAL MUCOSA: 272, 1342, 2011, 3465, 3487
NASOPHARYNGEAL DISEASES: 993
NASOPHARYNGEAL NEOPLASMS: 2226
NATRIURESIS: 15, 27, 91, 139, 191, 194, 236, 288, 995, 1015, 1387, 1721, 1827, 1926, 2119, 2235, 2240, 2284, 2315, 2370, 2610, 2679, 2683, 2855, 3053, 3578, 3969, 3971
NATURAL CHILDBIRTH: 2886
NAUSEA: 564, 720, 2067, 3395, 3417, 4024
NECK: 589, 1314, 1946-1947, 2810, 4154, 4193, 4239, 4290
NECK NEOPLASMS: 1810, 2011, 3707, 4336
NECROSIS: 18, 624, 881, 1156, 1555, 1892, 1994, 2083, 2085, 2224, 2414, 2670, 2745, 2854, 3025, 3158, 3734, 3824, 3928, 4053, 4310
NEEDLES: 759, 1628, 2017
NEGROES: 291, 1869, 1951, 2391, 2886, 3378

NEGROID RACE: 291, 596, 2898, 2701
NEISSERIA GONORRHOEAE: I889
NEISSERIA MENINGITIDIS: 1547
NEMATODA: 1741
NEOMYCIN: 1042, 3120, 3485-3467
NEOPLASM CIRCULATING CELLS: 1239
NEOPLASM METASTASIS: 94, 121, 185, 204, 398, 425-428, 709, 720, 801, 880, 887, 1045, 1099-1100, 1214, 1220, 1352, 1471, 1519, 1527, 1554, 1812, 1815, 1838, 1851-1852, 1659, 1709, I715, 1771, 1834, 1890, 2011, 2045-2048, 2051, 2118, 2128, 2222, 2354, 2512, 2547, 2583, 2815, 2719, 2787, 2801-2802, 2810, 2883, 2883, 2981, 3039, 3114, 3128, 3199, 3228, 3290, 3348, 3410, 3412, 3597, 3745, 3885, 3975, 4022, 4031, 4203, 4231, 4253, 4284, 4289, 4327, 4350, 4373, 4398, 4450
NEOPLASM PROTEINS: 1443, 1508, 1958, 2328, 2918
NEOPLASM RECURRENCE, LOCAL: 458, 609, 1851, 1934, 2228, 2408, 2487, 3349, 3707, 4031, 4203
NEOPLASM REGRESSION, SPONTANEOUS: 2414
NEOPLASM SEEDING: 2017
NEOPLASM TRANSPLANTATION: 170, 193, 265, 417, 1727, 2416, 2719, 2918, 3089, 3130, 3671, 3745, 3823, 4053, 4112, 4130
NEOPLASMS: 347, 426, 579, 720, 832, 838, 913, 1027, 1057, 1080, 1142, 1852, 2011, 2017, 2174, 2329, 2512, 2704, 2720, 2771, 2810, 3075, 3104, 3168, 3211, 3254, 3310, 3351, 3408, 3463, 3836, 3873, 3819, 4100, 4165, 4218, 4230, 4336, 4350, 4398, 4402, 4411, 4437
NEOPLASMS, EXPERIMENTAL: 93, 170, I93, 285, 340, 417, 579, 764, 838, 1056, 1245, 1592, 1642, 1727, 2059, 2072, 2111, 2305, 2419-2420, 2652, 2719, 2784, 2848, 2888, 2918, 2953, 2981, 3130, 3838, 3871, 3745, 3791, 4113, 4130, 4278, 4311
NEOPLASMS, MULTIPLE PRIMARY: 426, 834, 1044, 1938, 2022, 2422, 2468, 2718, 3780, 3870, 4022
NEOPLASMS, MUSCLE TISSUE: 784
NEOPLASMS, NERVOUS TISSUE: 2383
NEOPLASMS, RADIATION-INDUCED: 1727, 2422, 2503, 3039, 3494, 4402
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 43, 94, 191, 747, 1542, 2200, 3228, 3597, 4373
NEOSTIGMINE: 566, 2885, 3305
NEPAL: 3541
NEPHRECTOMY: 15, 67, 204, 402, 448, 748, 761, 1090, 1481, 1718, 1925, 2048, 2385, 3682, 3856, 3884, 4143
NEPHRITIS: 744, 1545, 2308, 3156, 3855, 3810, 4414
NEPHROBLASTOMA: 9I3, 2871, 3128, 3211, 3463, 3937, 4437, 4453
NEPHROCALCINOSIS: 2413, 2451, 4157
NEPHRONS: 461, 1403, 2451, 3775
NEPHROSCLEROSIS: 402, 609, 1608, 2578
NEPHROSIS: 334, I478, 1768, 2026-2027
NEPHROTIC SYNDROME: 674, 1398, 1453, 1497, 1793, 2343, 2393, 2878, 3775, 3974
NERVE COMPRESSION SYNDROMES: 2600
NERVE DEGENERATION: 294, 693, 1332, 1397, 1549, 1847, 1887, 1917, 2581, 2662, 2782, 2953, 3579, 3587, 3595
NERVE ENDINGS: 380, 804, 895, 1063, 2020, 2341, 2407, 2931, 3238, 3885
NERVE FIBERS, MYELINATED: 2805, 3086, 4331
NERVE GROWTH FACTOR: 294, 465, 1580, I635, 1782, 2975, 4037, 4057, 4188
NERVE REGENERATION: 294, 1580, 1847, 2115, 2484, 4290
NERVE TISSUE: 1725, 2388, 4139
NERVE TISSUE PROTEINS: 311, 1063, 1287, 1400, 1725, 1782, 2305, 2882, 2881, 2914, 3535, 3544, 3832
NERVOUS SYSTEM: 51, 164, 723, 1178, 2115, 2465, 2491
NERVOUS SYSTEM DISEASES: 407, 600, 1149, 1887, 2041, 3093, 3377
NESTING BEHAVIOR: 809, 1828, 2651
NETHERLANDS: 3352
NEURAL CONDUCTION: 1035, 1321, 3007, 3560
NEURAL INTERCONNECTIONS: 604, 851, 807, 1110, 1397, 1444, 1549, 2211, 2366, 2515, 2826, 2944
NEURAL TRANSMISSION: 39, 126, 134, 315, 389, 529, 804, 827, 735, 807, 1178, 1243, 1518, 1696, 1827, 2007, 2075, 2280, 2513, 2759, 3090, 3402, 3544
NEURALGIA: 2976, 3383
NEURAMINIC ACIDS: 105, 782, 1180, I780, 1963, 2283, 2852, 3194, 3413, 3478, 3558, 3982
NEURAMINIDASE: 176, 289, 2289, 3277, 3413
NEURILEMMA: 3068
NEURILEMMOMA: 2040, 2751
NEURITIS: 2584, 3654
NEUROBLASTOMA: 913, 1635, 1810, 2155, 2305, 2708, 3031, 3089-3090, 3211, 3214
NEURODERMATITIS: 1504, 2378, 3957
NEUROEPITHELIOMA: 1834
NEUROFIBRILS: 304, 2288
NEUROFIBROMA: 2022
NEUROFIBROMATOSIS: 1447, 2022
NEUROGLIA: 464, 793, 854, 1100, 1236, 2305, 2908, 2914, 3535, 3554
NEUROHUMORS: 942, 1304, 3104
NEUROLOGIC EXAMINATION: 2041, 3604
NEUROLOGIC MANIFESTATIONS: 139, 977, 1199, 1532, 1868, 3077, 4360
NEUROLOGY: 539
NEUROMA: 991, 2953
NEUROMUSCULAR DEPOLARIZING AGENTS: 473, 2500, 3431
NEUROMUSCULAR DISEASES: 1657, 3305, 3406, 4030
NEUROMUSCULAR JUNCTION: 304, 389, 1696, 2407, 4015, 4043, 4189
NEUROMUSCULAR SPINDLES: 1035, 4189
NEURONS: 39, 190, 267-268, 315, 389, 470, 529, 550, 807, 854, 1116, 1243, 1321, 1325, 1512, 1525, 1580, 1621, 1639, 1762, 1867, 1970, 2118, 2139-2140, 2305, 2388, 2477, 2880, 2882, 2884, 2908, 2929, 2944, 3018, 3087, 3319, 3397, 3402, 3535, 3563, 3579, 3826, 3896, 3954, 4057, 4167, 4183, 4352
NEURONS, AFFERENT: 39, 374, 604, 2007, 3007
NEURONS, EFFERENT: 604, 1243, 1717
NEUROPHYSINS: 55, 66, 2244-2245, 2340, 2534, 2634, 2944, 3250, 4352
NEUROPHYSIOLOGY: 4007
NEUROSECRETION: 66, 415, 976, 1053, 1257, 1310, 1746, 2341, 2559, 2746, 2864, 2944, 2969, 3109, 3369, 3953, 4060, 4086
NEUROSECRETORY SYSTEMS: 127, 542, 1800, 2115, 2144, 2559, 2666, 2746, 3369, 3383, 3755, 3859
NEUROSES: 1164, 2182, 4281, 4381
NEUROSES, ANXIETY: 1088, 2668, 2841, 4383
NEUROSPORA: 1275
NEUROSPORA CRASSA: 1275, 2132
NEUROSURGERY: 2720, 3845, 3998
NEUTRALIZATION TESTS: 2247
NEUTROPHILS: 169, 476, 1200, 1900, 2825, 3078, 3250, 3781, 3988, 4034
NEVADA: 382
NEVUS: 1045
NEVUS, PIGMENTED: 1045, 1636
NEW JERSEY: 4007
NEW MEXICO: 2423
NEW YORK CITY: 1166, 3348
NEWCASTLE DISEASE VIRUS: 1836, 3339, 4002
NIALAMIDE: 1867, 1921, 2884, 4248
NICKEL: 2860
NICOTINAMIDE: 2483
NICOTINE: 373, 873, 1233, 3056, 3399, 3553, 3565, 3807, 3809
NICOTINIC ACID: 354, 857, 2504, 2567, 2587, 2779, 3883, 4304
NIDATION: 162, 303, 386, 682, 920, 1405, 1508, 1550, 1719, 2208, 2712, 2875, 3189, 3332, 4195
NIGERIA: 2696
NISSL BODIES: 550
NITRATE REDUCTASES: 1275
NITRATES: 1275, 3335, 3540, 3684, 3980
NITRAZEPAM: 589, 1620, 2752
NITRIC OXIDE: 1379
NITRILES: 755, 1590, 3512, 3659, 3855, 4200
NITRITES: 3980
NITRO COMPOUNDS: 589, 2988, 4162
NITROBENZENES: 1046, 2898, 4166
NITROFURANTOIN: 4058
NITROGEN: 369-370, 512, 557, 868, 1282, 1345, 1458, 1540, 1802, 2130, 2189, 2257, 3147, 3225, 3315-3316, 3382, 3422, 3903, 4064, 4217
NITROGEN DIOXIDE: 2543, 3480
NITROGEN ISOTOPES: 3903
NITROGEN MUSTARD COMPOUNDS: 606, 1441, 2169, 3260, 4230
NITROGEN OXIDES: 2364
NITROPHENOLS: 931, 1590
NITROSAMINES: 708, 849
NITROSOGUANIDINES: 5
NITROSOUREA COMPOUNDS: 193, 720, 736
NITROUS OXIDE: 703, 861, 1885
NOBEL PRIZE: 134
NOCARDIA: 143, 1300, 2621
NOCARDIA ASTEROIDES: 2621
NOCARDIA INFECTIONS: 1372, 2621, 4441
NOMENCLATURE: 605, 1164, 3168, 4032
NOREPINEPHRINE: 89, 134, 178, 232, 244, 280-281, 308, 311, 315, 354, 409, 470-471, 473, 535, 561-562, 593, 660-661, 673, 692, 695, 711, 722, 726, 765, 788, 793, 815, 942, 1022-1023, 1063, 1076, 1132, 1202, 1209-1210, 1268, 1277, 1288, 1341, 1350, 1360, 1366, 1382-1383, 1410-141I, 1415-1416, 1430, 1438, 1450, 1488, 1535, 1620-1621, 1626, 1656, 1659, 1670, 1672, 1761, 1791, 1803, 1866-1867, 1880, 1883, 1886, 1908, 1947, 1952, 1961, 2009, 2035, 2078, 2140, 2157-2158, 2242-2243, 2260-2261, 2281, 2284, 2296, 2327, 2365, 2465, 2498, 2505, 2530, 2563, 2567, 2748, 2752, 2782, 2884-2885, 2893, 2908, 2910, 2946, 2982, 2998, 3072, 3159, 3238, 3244, 3251, 3282, 3393, 3431, 3450, 3472, 3553, 3574, 3587, 3645, 3657, 3700, 3728, 3748-3751, 3760, 3769, 3807, 3818, 3835, 3960, 3971, 4027-4028, 4119, 4185, 4213, 4259, 4262, 4279, 4297, 4304, 4362
NORETHANDROLONE: 1622
NORETHINDRONE: 443, 1111, 1376, 1391, 1455, 1691, 1864, 2421, 2452, 2638, 2774, 3030, 3280, 3522, 3770
NORETHYNODREL: 251, 1227, 1864, 2421, 2452, 3030, 3852
NORGESTREL: 402, 564, 1339, 1820, 1864, 2023, 2421, 2430, 2822, 3030, 3268, 3573, 3914
NORMETANEPHRINE: 1202, 2261, 2530, 3748, 3750-3751
NORSTEROIDS: 258, 438, 2729, 3476, 3512
NORSYNEPHRINE: 447, 2759
NORTH CAROLINA: 3907
NORTHERN IRELAND: 731
NORTRIPTYLINE: 2877
NOSE: 1823, 3465, 3467, 4295
NOSE DEFORMITIES: 249, 911, 1183
NOSE NEOPLASMS: 2022, 4102
NOVOBIOCIN: 1228
NUCLEAR FISSION: 1066
NUCLEAR MAGNETIC RESONANCE: 258, 367, 668, 681, 877, 2204, 2955, 365I, 4091
NUCLEAR MEDICINE: 539
NUCLEAR REACTORS: 859
NUCLEIC ACID CONFORMATION: 393, 2545
NUCLEIC ACID DENATURATION: 635, 3873
NUCLEIC ACID HYBRIDIZATION: 349, 883
NUCLEIC ACIDS: 327, 1460, 2691, 3198, 3607, 3823
NUCLEOPROTEINS: 1249, 2295, 2540, 3379, 3638
NUCLEOSIDE DIPHOSPHATE SUGARS: 1119, 3982
NUCLEOSIDES: 3212, 3382, 4055
NUCLEOTIDASES: 1419, 1821, 1925, 1962, 2453, 4234
NUCLEOTIDES: 393, 1119, 1167, 1656, 1697, 4055, 4275
NUCLEOTIDYLTRANSFERASES: 883
NURSES: 752
NUTRITION: 117, 539, 559, 679, 1728, 2389, 3319, 3947
NUTRITION DISORDERS: 197, 464, 738, 2389, 3049, 3293, 3406, 3834, 3947, 3985, 4217, 4273
NUTRITIONAL REQUIREMENTS: 337, 669, 798, 1271, 2315, 2853, 2912, 3752
NYLIDRIN: 1524
NYLON: 25, 2823, 3882
NYSTAGMUS: 1502, 2973
NYSTATIN: 1042, 3046
OBESITY: 116-117, 213, 226, 363, 500, 970, 993, 1000, 1086, 1113, 1147, 1164, 1195, 1434, 1476, 1552, 1887, 1906, 1951, 2189, 2275, 2389, 2475, 2850, 2992, 3002, 3030, 3040, 3278, 3418, 3525, 3632, 3676, 3709, 3929, 3963, 4104, 4118, 4123, 4318, 4345, 4395, 4430
OBSTETRICS: 3334
OCCIPITAL BONE: 954, 2792, 3438
OCCLUSIVE DRESSINGS: 1266, 1348, 2769
OCCUPATIONAL DISEASES: 1056, 3492, 3521, 4065
OCCUPATIONS: 2159
OCHRONOSIS: 2570

OCTOPUS: 2545
OCULOMOTOR PARALYSIS: 442, 1482, 2584, 3776, 3803
ODONTOBLASTS: 1298, 4139
ODONTOGENESIS: 1266
ODONTOGENIC CYSTS: 4145
ODORS: 386, 644, 2258
OHIO: 2117
OILS: 680
OINTMENTS: 13, 264, 552, 1005, 1024, 1504, 1625, 2376, 2394, 2406
OLEIC ACID: 2107
OLFACTORY BULB: 106, 644, 648, 1023, 1407, 1543, 2325, 3866
OLFACTORY PATHWAYS: 3654
OLIGODENDROGLIOMA: 11
OLIGOMYCIN: 1567, 2616, 3366, 3863
OLIGONUCLEOTIDES: 2545
OLIGOSACCHARIDES: 3304
OMENTUM: 1062, 2727, 3416, 3707
ONCHOCERCIASIS: 3733
ONCOGENIC VIRUSES: 1216, 2422, 3043, 4311
ONCOLYSIS: 2111
OPERON: 683, 961, 4301
OPHTHALMIC ARTERY: 3776
OPHTHALMIC SOLUTIONS: 4436
OPHTHALMODYNAMOMETRY: 2625
OPHTHALMOSCOPY: 1, 1461
OPIPRAMOL: 4216
OPOSSUMS: 969, 1543, 4054
OPSONINS: 1656, 3483
OPTIC ATROPHY: 3628
OPTIC CHIASM: 1736, 2211
OPTIC NERVE: 1239, 1738, 3743, 3928
OPTIC NEURITIS: 3628
OPTICAL ROTATION: 209, 907, 4316
OPTICAL ROTATORY DISPERSION: 907, 3352
ORAL HYGIENE: 4336
ORAL MANIFESTATIONS: 257, 491, 1964, 2951, 3190
ORBIT: 1447, 3521, 3776
ORBITAL NEOPLASMS: 1190, 1447, 3107, 3743
ORCHITIS: 1976, 3116
ORCIPRENALINE: 2765, 3422
ORGAN CULTURE: 478, 1022, 1130, 1405, 1521, 1866, 2164, 2419, 2424, 2661, 3148, 3157, 3191, 3294, 3331, 3543, 3587, 4289
ORGAN OF CORTI: 2119
ORGAN SPECIFICITY: 819, 632, 995, 1619, 2135, 2160, 2480, 2974, 2848, 2874, 3052, 3264, 3343-3345, 3766, 4115
ORGAN WEIGHT: 74, 99, 68, 122, 162, 167, 207-206, 248, 309, 368, 431, 445, 454, 484, 510, 570, 577-578, 588, 598, 629, 650, 688, 690, 768, 804, 944-945, 990, 901, 910, 914, 916, 990, 992, 999, 1023, 1030, 1034, 1112, 1132, 1152, 1177, 1291, 1284, 1303, 1318, 1326, 1354, 1414, 1438, 1477, 1479, 1544, 1555, 1579, 1613, 1619, 1650, 1733, 1739, 1750, 1796-1797, 1902, 1939, 1648-1946, 1694, 1990, 1992, 1884, 1897-1999, 1908, 1997, 1999, 2028, 2083, 2143, 2151, 2185, 2195, 2244, 2262, 2271, 2283, 2318, 2319, 2323, 2342, 2405, 2459, 2499-2497, 2508, 2517, 2535, 2538, 2540, 2544, 2554, 2563, 2626, 2644, 2697, 2713, 2754, 2924, 2893, 2869, 2954, 2963, 2997, 3088, 3111, 3129, 3142, 3156, 3190-3161, 3194, 3224, 3303, 3332, 3418, 3503, 3555, 3567-3568, 3584, 3607, 3876, 3682, 3719, 3813, 3834, 3846, 3852, 3879, 3917, 4013, 4021, 4053, 4069, 4093, 4151, 4199, 4200, 4232, 4349, 4380
ORGANOIDS: 36, 365, 1367, 2272, 3295, 3333, 4082
ORGANOMETALLIC COMPOUNDS: 259, 3684, 3779
ORGANOPHOSPHORUS COMPOUNDS: 2227, 4033
ORGANOTHIOPHOSPHORUS COMPOUNDS: 1121, 1464
ORIENTATION: 4199
ORNITHINE: 239, 1070, 1390, 2680, 2892, 3136
OROTIC ACID: 979, 1297, 2006, 2348, 4283
ORTHODONTICS: 3464
ORTHOPEDIC EQUIPMENT: 468
ORTHOPEDIC FIXATION DEVICES: 230, 468, 2799, 4406, 4409
OSCILLOMETRY: 2702, 2921
OSMIUM: 391, 727, 2609
OSMOLAR CONCENTRATION: 108, 606, 792, 1043, 1046, 1122, 1140, 1144, 1275, 1293-1294, 1488, 1533, 1686, 1697, 1994, 2119, 2151, 2240, 2296, 2370, 2426, 2558, 2635, 2761, 2768, 2855, 2934, 3097, 3134, 3308, 3451-3452, 3458, 3513, 3637, 3668, 3684, 3919, 3969, 4045, 4160
OSMOSIS: 2273
OSSIFICATION, PATHOLOGIC: 112, 3330, 4265
OSSIFICATION, PHYSIOLOGIC: 640, 3287, 3420, 3546, 3620, 4020
OSTEITIS DEFORMANS: 1356, 3155, 3330, 3462, 4033, 4385, 4364, 4407, 4422
OSTEITIS FIBROSA CYSTICA: 1037, 1657, 2413, 3233, 4164
OSTEOARTHRITIS: 206, 210, 716, 1128, 1653, 2372, 3486, 3624, 4409, 4417
OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC: 2666, 3077
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 3611
OSTEOBLASTS: 239, 1087, 2567, 2849, 3635
OSTEOCHONDRITIS: 1126, 3164
OSTEOCLASTS: 1087, 1637, 4033, 4208
OSTEOCYTES: 1087, 1644, 3635
aOSTEOGENESIS: 33, 1520, 1623, 2316, 2989, 3647
OSTEOGENESIS IMPERFECTA: 1087, 1240, 1242, 1356, 1413, 1630, 2567, 2852, 3647, 3683, 4413
OSTEOMALACIA: 316, 736, 1037-1038, 1416, 1644, 1680, 1644, 2413, 2541, 2846, 3002, 3094, 3197, 3232, 3285, 3348, 3564, 3794, 4164, 4371, 4423
OSTEOMYELITIS: 1545, 2818, 3317
OSTEOPATHY: 4242
OSTEOPETROSIS: 340, 1149, 1216, 1644, 1993, 2094, 3207
OSTEOPOROSIS: 33-34, 44, 130, 319, 457, 554, 739, 775, 830, 961, 902, 923, 678, 997, 1006, 1038, 1388, 1393, 1493-1494, 1540, 1778, 1790, 2122-2123, 2294, 2357, 2372, 2551, 2597, 2618, 2702, 2734, 3005, 3189, 3317, 3330, 3346, 3435, 3489, 3546, 3564, 3703, 3738, 3762, 3784, 3831, 3622, 3966, 4003, 4011, 4164, 4306, 4345, 4371, 4422-4423, 4433, 4455
OSTEOSCLEROSIS: 1037, 1822
OSTEOTOMY: 263, 719, 1141, 1538, 1993, 2372, 3831
OTITIS: 3644
OTITIS EXTERNA: 1328
OTITIS MEDIA: 1757, 2973
OTORHINOLARYNGOLOGY: 539
OTOSCLEROSIS: 1413
OUABAIN: 224, 288, 480, 473, 895, 1012, 1152, 1213, 1341, 1718, 1803, 2502, 2504, 2783, 2860, 3241, 3700, 3710, 3837, 4308
OVALBUMIN: 2097, 2803, 2913, 4315
OVARIAN CYSTS: 396, 489, 913, 1061, 1398, 1474, 1731, 2150, 2409, 2472, 2823, 2728, 3304, 3488, 3516, 3732, 3785
OVARIAN DISEASES: 250, 368, 437, 878, 961, 1623, 1911, 2069, 2233, 2320, 3065, 3709, 3768, 4085
OVARIAN NEOPLASMS: 120, 170, 328, 383, 489, 580, 581, 613, 828, 701, 720, 743, 938, 927, 936, 968, 968, 1100, 1313, 1337, 1398, 1527, 1583, 1591, 1659, 1745, 1901, 1927, 2059, 2091, 2176, 2222, 2231, 2267, 2326, 2354, 2383, 2503, 2565, 2932, 2970, 2688-2689, 2704, 2719, 2797, 2793, 2919, 3114, 3173, 3255, 3290, 3361, 3506, 3519, 3585, 3911, 3643, 3694, 3791, 3819, 3870, 3975, 4009, 4019, 4036, 4107, 4147, 4165, 4168, 4241, 4270, 4285
OVARY: 2, 34, 47-48, 71, 97-99, 102, 106-107, 149, 175, 181, 201, 217, 234, 250, 325, 328, 349, 366, 379, 383, 437, 440, 510, 572, 575-576, 611, 613, 626, 628, 642, 644, 676, 999, 728, 766, 908, 819, 965, 971-972, 979, 887, 985, 990, 992, 1039, 1059, 1095, 1119, 1141, 1165, 1167, 1191, 1194, 1215, 1255, 1270, 1301, 1330, 1354, 1397, 1428, 1439, 1508, 1650, 1611, 1650, 1663, 1719-1716, 1733, 1741, 1749, 1751, 1913, 1829-1830, 1948-1849, 1964, 1992, 1997, 1911, 1916, 1924, 1956, 1974, 2044, 2167, 2172, 2191, 2196, 2201, 2237, 2254, 2258, 2271, 2323, 2338, 2469, 2470, 2472, 2497, 2635, 2616, 2639, 2661, 2974, 2700, 2706, 2712-2713, 2719, 2739, 2764, 2774, 2790, 2795, 2832, 2840, 2963, 2972, 3012, 3031, 3036, 3044, 3065, 3074, 3114, 3142, 3161, 3216, 3228, 3276, 3303, 3306, 3312, 3332, 3338, 3343-3345, 3361, 3366, 3390, 3426, 3430, 3463, 3488, 3497, 3661-3552, 3555, 3677, 3586, 3607, 3611, 3619, 3707, 3709, 3713, 3727, 3745, 3787, 3844, 3849, 3852, 3857, 3881-3882, 3906, 3949, 4069-4070, 4083, 4129, 4194-4195, 4200-4202, 4251, 4288, 4305, 4361, 4369
OVIDUCTS: 102, 712, 786, 912, 1550, 1897, 2497, 2705, 2913, 3680, 4147, 4294, 4315
OVULATION: 2, 10, 103, 192, 233, 248, 273, 278, 342, 373, 434, 444, 500, 510, 565, 571, 584, 638, 682, 686, 766, 776, 765, 609, 616, 670-671, 921, 644-645, 663-985, 1009, 1111, 1133, 1161, 1161, 1212, 1237, 1244, 1353, 1389, 1365, 1436, 1508, 1550, 1568, 1629, 1722, 1751, 1754, 1774, 1761, 1613, 1615, 1630, 1639-1640, 1648-1649, 1692, 1911, 1632, 1657, 2030, 2069, 2172, 2191, 2165-2166, 2208, 2251, 2363, 2438, 2456, 2496, 2548, 2611, 2628, 2638, 2700, 2713, 2765, 2840, 2869, 2919, 3063, 3142, 3149, 3165, 3230, 3257, 3324, 3332, 3426, 3550, 3630, 3656, 3669, 3732, 3795, 3862, 3861, 3925, 3646, 4006, 4166, 4194, 4223, 4351
OVUM: 35, 127, 248, 276, 303, 440, 563, 795, 975, 916, 920, 1036, 1095, 1119, 1367, 1436, 1712, 1746, 1813, 1615, 1932, 2015, 2160, 2405, 2438, 2628, 2700, 2712, 2832, 2624, 2640, 2960, 3166, 3205, 3345, 3533, 3680, 3881-3862, 4166, 4194
OXALATES: 2366, 2451, 2891, 3241, 3540, 3792, 4243
OXALOACETATES: 3200
OXANDROLONE: 2224, 3287, 3512
OXATHIINS: 1263
OXAZEPAM: 3122
OXAZOLES: 966, 1208, 2567, 3338
OXIDATION-REDUCTION: 152, 172, 680-681, 817, 907, 931, 1144, 1275, 1324, 1440, 1483, 1565, 1609, 1649, 1893, 1877, 2003, 2293, 2302-2303, 2355, 2364, 2385, 2982, 3033, 3200, 3304, 3398, 3706, 3833, 3859, 3972, 4010, 4278
OXIDATIVE PHOSPHORYLATION: 1677, 2614, 3141, 3435, 3660
OXIDES: 877, 1131, 2447-2448, 3033
OXIDOREDUCTASES: 352, 356-357, 646, 654, 724, 1151, 1275, 1300, 1703, 1821, 2018, 2109, 2133, 2307, 2477, 2528-2529, 2591, 2817, 2877, 3046, 3281, 3297, 3582, 3604, 3741, 3833, 3849, 4009, 4258, 4328
OXIDOREDUCTASES, N-DEMETHYLATING: 3060
OXIMES: 877
OXIMETRY: 1128, 1482
OXOTREMORINE: 2318, 3259
OXPRENOLOL: 2398
OXYGEN: 18, 57, 387, 733, 868, 1049, 1147, 1194, 1382, 1685, 2107, 2215, 2270, 3178, 3208, 3284, 3288, 3350, 3422, 3480, 3543
OXYGEN CONSUMPTION: 18, 152-153, 160, 390, 452, 509, 733, 810, 901, 1144, 1173, 1194, 1285, 1374, 1977, 1753, 1805, 1814, 1902, 2270, 2293, 2428, 2513, 2814, 3200, 3284, 3422, 3523, 3635, 3728, 3744, 3822, 3845, 4122, 4217, 4252, 4319
OXYGEN INHALATION THERAPY: 502, 646, 948, 1135, 2543, 3018
OXYGEN ISOTOPES: 1902
OXYGENASES: 966, 1290-1291, 1457, 2529, 4448
OXYHEMOGLOBIN: 733, 3649
OXYPHENBUTAZONE: 2345
OXYTETRACYCLINE: 144, 1401, 1525
OXYTOCICS: 1402
OXYTOCIN: 59, 72, 408, 422, 498, 911, 914-615, 999, 1156, 1229, 1404, 1428, 1579, 1900, 2019, 2141, 2213, 2244, 2341, 2491, 2534, 2590, 2817, 2934, 3150, 3252, 3308, 3342, 3514, 3578, 3640, 4075, 4182
OXYTOCINASE: 3252
OZONE: 953
PACEMAKER, ARTIFICIAL: 1992, 3327
PAIN: 96, 287, 476, 604, 756, 969, 1080, 1463, 1868, 1873, 1948, 1962, 2011, 2119, 2615, 2720, 2822, 2854, 3007, 4128, 4306, 4419
PAKISTAN: 2655, 2775, 3094
PALATAL NEOPLASMS: 2022
PALATE: 79
PALEOPATHOLOGY: 3005
PALLIATIVE TREATMENT: 904, 2720, 3907
PALLOR: 1502
PALMITIC ACID: 165, 366, 619, 923, 941, 2779, 2962, 3821-3822
PALPATION: 2010, 3228, 4242
PANCREAS: 358, 363, 426, 632, 698, 920, 1064, 1108-1109, 1344, 1422, 1702, 1729, 1739, 1939-1940, 1974, 1984, 2135, 2148, 2229, 2476, 2544, 2572, 2607, 2666, 2706, 2789, 2828, 2927, 2962, 3560, 3838, 3950, 3958, 4079, 4100
PANCREATECTOMY: 494, 1984, 2902, 2962, 4398
PANCREATIC CYST: 2728, 3477
PANCREATIC DISEASES: 1991, 2829, 2902, 2927, 4001
PANCREATIC EXTRACTS: 2203
PANCREATIC JUICE: 1344, 1939, 3958
PANCREATIC NEOPLASMS: 1636, 2017, 2022, 2229, 2383, 2828, 3226, 3290, 3819, 4398, 4442

PANCREATITIS: 516, 1334, 1940, 2027, 2373, 2616, 3279, 3557, 3990
PANCREOZYMIN: 1344, 1467, 1729, 1939-1940, 2152, 2229, 4257
PANCURONIUM: 284, 643, 1170, 2796, 2672
PANTOTHENIC ACID: 2483, 3939
PAPAIN: 3546
PAPAVERINE: 56, 196, 1531, 1766, 2280, 2502, 3056, 3660
PAPILLARY MUSCLES: 3620, 3700
PAPILLEDEMA: 145, 1456
PAPILLOMA: 764, 1634, 1934, 4147
PARAFFIN: 3216
PARAGANGLIA, NONCHROMAFFIN: 1019
PARALYSIS: 1271, 2075, 2062, 2564, 3169, 4233
PARAMETHASONE: 1393, 1464, 1514
PARANASAL SINUS NEOPLASMS: 56
PARAPLEGIA: 457, 1429
PARAPSORIASIS: 1691
PARASITE EGG COUNT: 2825, 4169
PARASITES: 1304
PARASITIC DISEASES: 539
PARASYMPATHETIC NERVOUS SYSTEM: 1646, 3553, 4290, 4331
PARASYMPATHOLYTICS: 302, 1029, 1711, 2260, 4436
PARASYMPATHOMIMETICS: 1321, 1711, 4436
PARATHION: 926
PARATHYROID DISEASES: 633, 1433, 1529, 2401
PARATHYROID GLANDS: 21, 105, 162, 194, 236, 255, 335, 341, 428, 457, 569, 619, 671, 746, 1037, 1140, 1254, 1380, 1446, 1554, 1936, 2155, 2300, 2413, 2468, 2519, 2654, 2800, 2819, 2830, 2915, 3113, 3191-3192, 3233, 3443, 3495-3496, 3644, 3861, 3893, 3945, 3967, 4198, 4206, 4211, 4222, 4237
PARATHYROID HORMONE: 27, 43, 103, 105, 335, 341, 457, 660, 691, 1090, 1140, 1192, 1540, 1644, 2157, 2221, 2402, 2511, 2519, 2553, 2635, 2654, 2703, 2722, 2766, 2856, 2871, 2915, 2961-2962, 3062, 3064, 3094, 3232, 3274, 3435, 3495-3496, 3597, 3635, 3756, 3888, 3967, 4222, 4237, 4243, 4387
PARATHYROID NEOPLASMS: 21, 235, 316, 323, 341, 353, 569, 660, 977, 1196, 1433, 1657, 1646, 1936, 2375, 2413, 2654, 2830, 2981, 3279, 3410, 3730, 4164, 4373
PARENT-CHILD RELATIONS: 262, 375, 526, 1123, 3715, 4274, 4374
PARENTERAL FEEDING: 2049, 3001
PARENTS: 1166
PARESIS: 442
PARGYLINE: 260, 447, 765, 919, 1076, 1284, 1351, 1371, 1672, 1674-1675, 1961, 2910, 3017, 3595, 4307
PARIETAL BONE: 2792
PARIETAL LOBE: 759
PARITY: 212, 476, 498, 558, 1138, 1262, 1617, 1669, 2063, 2136, 2252, 2258, 2421-2422, 2503, 2517, 2846, 3196, 3203, 3210, 3641
PARKINSONISM: 603, 1308, 1438, 2164, 3104, 3116, 3384
PAROTID GLAND: 223-224, 1974, 3834, 4289
PAROTID NEOPLASMS: 2354
PARTHENOGENESIS: 1932
PARTIAL PRESSURE: 1147, 1382, 1885, 3284, 3288
PARTICLE SIZE: 1546, 1566
PASSIVE TRANSFER: 1034, 2416, 3419
PATERNITY: 2404
PATHOLOGY: 1910, 3051
PATIENT ISOLATORS: 2455
PATIENTS: 3016
PEDIATRICS: 539, 1286, 3940
PEDIGREE: 296, 406, 633, 794, 1207, 1316, 1413, 1630, 1699, 2094, 2343, 2381, 2404, 2428, 2445, 2466, 2468, 2511, 2951, 3022, 3276, 3464, 3776, 3831, 4074, 4145
PELVIC BONES: 637, 3836
PELVIC EXENTERATION: 2176
PELVIC NEOPLASMS: 2704, 3031, 3765
PELVIMETRY: 2102
PELVIS: 2202, 3462, 3565
PEMPHIGUS: 295, 491, 697, 1104, 2288, 2557, 3262, 3602
PENICILLAMINE: 907, 1188, 1221, 2191, 3737, 4416
PENICILLIN: 295, 362, 656, 1439, 2552, 2971, 3423
PENICILLIN G: 316, 1764, 3689, 4314
PENICILLIN G, BENZATHINE: 4415
PENICILLIN G, PROCAINE: 4415
PENICILLIUM: 1142
PENILE DISEASES: 2110, 2980
PENILE NEOPLASMS: 1125, 2980, 4170
PENIS: 454, 2332, 2342, 2766, 2980, 3339, 3917, 3927
PENTAGASTRIN: 601, 624, 2236, 2544, 4225
PENTAZOCINE: 1371
PENTOBARBITAL: 233, 510, 627, 649, 711, 1382, 1656, 1952, 2270, 2893, 2967, 3192, 3282, 3656, 3809, 3995, 4316
PENTOSEPHOSPHATES: 1472, 1697, 1706
PENTOSES: 647, 1419, 3304
PENTOSYLTRANSFERASES: 1697, 2696, 3212, 4279, 4283
PENTYLENETETRAZOLE: 256, 1753, 2969
PEPSIN: 916, 2026, 2097, 2236
PEPTIC ULCER: 414, 723, 1216, 1334, 1393, 1692, 1951, 2032, 2106, 2229, 2236, 2451, 2991, 3001, 3377
PEPTIC ULCER HEMORRHAGE: 754
PEPTIC ULCER PERFORATION: 4205
PEPTIDE CHAIN ELONGATION: 2913, 4305
PEPTIDE CHAIN INITIATION: 2913
PEPTIDE CHAIN TERMINATION: 679, 1046
PEPTIDE ELONGATION FACTORS: 3217
PEPTIDE HYDROLASES: 541, 689, 646, 1961, 2173, 2203, 2442, 2895, 3936
PEPTIDE PEPTIDOHYDROLASES: 2535, 4302
PEPTIDE TERMINATION FACTORS: 679
PEPTIDES: 359, 389, 786, 617, 628, 696, 1047, 1101, 1515, 1537, 1609, 1708, 1659, 2203, 2227, 2292, 2535, 2680, 2754, 2866, 2894, 2982, 3027, 3217, 3240, 3304, 3308, 3354, 3552, 3638, 3713, 3838, 4003, 4117, 4312
PEPTIDES, CYCLIC: 1404, 2927, 2955
PEPTONES: 1342
PERCEPTION: 647
PERCHLORIC ACIDS: 400, 681, 1282, 1358, 1469, 2166
PERFUSION: 54, 154, 256, 616, 641, 964, 1228, 1411, 1683, 1885-1886, 2016, 2095, 2299, 2377, 2448, 2575, 2608, 2699, 2860, 2884, 2965, 3072, 3108, 3437, 3446, 3565, 3624, 3689, 3722, 3729, 3876, 3954, 4045, 4064, 4091
PERIAPICAL ABSCESS: 3670
PERIARTERITIS NODOSA: 2039, 3156, 3580
PERICARDITIS: 287, 2807, 4156
PERINEUM: 1357, 3917
PERIODIC ACIDS: 3033, 3972
PERIODIC DISEASE: 2687
PERIODICALS: 591, 4430
PERIODICITY: 629, 665, 921, 1577, 1761, 1997, 2967, 3268, 3453, 3490, 3641
PERIODONTAL DISEASES: 141, 1056, 4095
PERIOSTEUM: 26, 33, 1637, 3635
PERIPHERAL NERVE DISEASES: 1783, 3091, 4128
PERIPHERAL NERVE NEOPLASMS: 2953
PERIPHERAL NERVES: 604, 2034, 2953, 3007, 3355, 4331
PERISSODACTYLA: 3881
PERITONEAL CAVITY: 939, 2727
PERITONEAL DIALYSIS: 499, 2346
PERITONEAL NEOPLASMS: 1100, 2059, 3707
PERITONEOSCOPY: 3516
PERITONEUM: 50, 939, 999, 1100, 2574, 2727
PERITONITIS: 24, 1439, 1980, 2129, 4159
PERMEABILITY: 1408, 2934, 3729, 4244
PEROXIDASES: 178, 680, 1002, 1139, 2099, 2529, 3012, 3027, 3250, 3396, 4035, 4244, 4352
PEROXIDES: 28, 680, 1154, 2003, 2302-2303, 2745, 3859
PERPHENAZINE: 270, 3456
PERSONALITY: 1755, 3139
PERSONALITY DEVELOPMENT: 2791
PERSONALITY DISORDERS: 375, 3220
PERSONALITY INVENTORY: 1991
PERTUSSIS VACCINE: 2724
PESSARIES: 2846, 2948
PESTICIDES: 926
PETROLEUM: 110, 3492
PEUTZ-JEGHERS SYNDROME: 968, 3360
PHAGOCYTE BACTERICIDAL DYSFUNCTION: 1656, 3644
PHAGOCYTES: 936, 2670
PHAGOCYTOSIS: 930, 936, 1053, 1056-1057, 1079, 1130, 1285, 1290-1291, 1387, 1656, 1979, 1996, 2223, 2358, 2933, 3394, 3454, 3483, 3523, 3670
PHARMACEUTIC AIDS: 37, 3573
PHARMACOLOGY: 147, 4007
PHARMACOPOEIAS: 3352
PHARYNGEAL DISEASES: 2179, 4393
PHARYNGEAL NEOPLASMS: 1554, 2383, 4102, 4398
PHARYNX: 4239
PHENACETIN: 1012, 2556, 2877
PHENANTHROLINES: 3974
PHENAZINES: 1103, 1668, 2959
PHENCYCLIDINE: 2260, 3960
PHENESTERIN: 3407, 4113
PHENETHANOLAMINE N-METHYLTRANSFERASE: 545, 692-693
PHENETHYLAMINES: 1022, 1202, 2304, 3935
PHENFORMIN: 2992
PHENOBARBITAL: 131, 248, 919, 1012, 1277, 1350, 1649, 1751, 2096, 2192, 2238, 2434, 2868, 2988, 3029, 3060, 3151, 3231, 3512, 3649, 3855
PHENOLPHTHALEINS: 2097
PHENOLS: 480, 1275, 1590, 3161, 3873, 4450
PHENOTHIAZINE TRANQUILIZERS: 1620, 2096, 2633, 4404
PHENOTHIAZINES: 167, 245, 2236
PHENOTYPE: 16, 195, 717, 669, 940, 1072, 1320, 1395, 1700, 1723, 1695, 2195, 2368, 2412, 2694, 2896, 3117, 3180, 3526, 3811, 3836, 3871, 4136, 4276, 4291
PHENOXYBENZAMINE: 1022, 1109, 1537, 1836, 2884, 2960, 3284, 3412, 3431, 3679, 3705, 3807, 3841, 4043
PHENTERMINE: 2374
PHENTOLAMINE: 223, 1209, 1243, 1277, 1360, 1383, 1410, 1570, 1670, 2157, 2385, 2747, 2759, 2998, 3393, 3748-3750, 4259
PHENYLACETATES: 13, 603, 1466, 2752, 4297
PHENYLALANINE: 500, 1311, 1506, 1621, 2374, 2639, 2955, 3098, 3210, 3217, 3702, 3711, 3832, 4160, 4305
PHENYLALANINE HYDROXYLASE: 1506, 2599
PHENYLBUTAZONE: 110, 416, 656, 1012, 1765, 1619, 2633, 2742, 4002, 4179
PHENYLEPHRINE: 223, 793, 1233, 2987
PHENYLHYDRAZINE: 1012
PHENYLKETONURIA: 500, 600, 1807, 2411
PHEOCHROMOCYTOMA: 101, 222, 479, 609, 831, 991, 1044, 1126, 1155, 1202, 1288, 1323, 2022, 2708, 2747, 2981, 3112, 3246, 3299, 3412, 3515, 3717, 3885, 3971, 4246, 4373
PHEROMONES: 665, 2258, 2276, 2651, 2762, 3001, 3126
PHIMOSIS: 1025, 2041, 2671
PHLEBITIS: 13
PHLEBOGRAPHY: 719, 749, 1128, 1323, 2004, 2040, 2708, 2747, 2887, 2981, 3585, 4081
PHLEGMON: 1258
PHLORETIN: 1597, 2273, 2493, 3394, 3616
PHLORHIZIN: 1597
PHONOCARDIOGRAPHY: 166, 1470, 2664, 3975
PHOSPHATASES: 229, 327, 613, 938, 2721, 4106, 4163
PHOSPHATES: 21, 27, 236, 323, 356, 433, 509, 619, 637, 660, 1022, 1064, 1090, 1140, 1366, 1446, 1494, 1680, 1697, 1753, 1670, 1902, 2097, 2277, 2330, 2375, 2395, 2451, 2505, 2519, 2616, 2655, 2703, 2856, 2892, 2938, 3001, 3054, 3094, 3162, 3169, 3241, 3274, 3398, 3811, 3856, 3861-3862, 3987, 4053, 4132, 4160, 4177, 4226, 4243, 4287, 4350
PHOSPHOCREATINE: 4002
PHOSPHODIESTERASES: 58, 77, 65, 770, 928, 1131, 1531, 1669-1670, 1906, 2153, 2269, 2420, 2567, 3013, 3021, 3098, 3450, 3458, 3472, 3660, 3729, 3923, 4016, 4027, 4280, 4303
PHOSPHOENOLPYRUVATE: 2721
PHOSPHOENOLPYRUVATE CARBOXYKINASE: 2691, 3973
PHOSPHOFRUCTOKINASE: 2773
PHOSPHOGLUCOMUTASE: 1146
PHOSPHOGLUCONATE DEHYDROGENASE: 253, 2371, 3563
PHOSPHOGLYCERATE KINASE: 3212
PHOSPHOINOSITIDES: 1022, 1588, 2242, 2256, 2958, 3194, 3964
PHOSPHOLIPASE: 1285, 1588, 2173
PHOSPHOLIPIDS: 28-29, 368, 808, 840, 1022, 1115, 1153, 1399, 1588, 1728, 1998, 2206, 2256, 2411, 2706, 2750, 2768, 2777, 2835, 2881, 2891, 2958, 3140, 3194, 3321, 3379, 3843
PHOSPHONIC ACIDS: 1038, 1653, 2367, 3207, 3330, 4160
PHOSPHOPROTEINS: 938, 1902, 2362

PHOSPHORIC ACIDS: 1902, 2362, 2558, 2835, 3321, 4020, 4089
PHOSPHOROUS ACIDS: 2432
PHOSPHORUS: 33, 103, 138, 183, 194, 370, 481, 547, 840, 889, 647, 659, 938, 1140, 1271, 1433, 1529, 1540, 1653, 1857, 1644, 2049, 2142, 2221, 2282, 2337, 2357, 2367, 2519, 2819, 2998, 3113, 3197, 3272, 3315-3316, 3695, 3703, 3752, 3861, 3913, 4024, 4208, 4258, 4368
PHOSPHORUS ISOTOPES: 669, 701, 770, 808, 938, 950-951, 1022, 1064, I131, 1167, 1355, 1709, 1902, 1912, 2049, 2206, 2256, 2362, 2614, 2827, 2642, 2857, 2721, 2916, 2958, 3141, 3256, 3291, 3308, 3321, 3378, 3386, 3450, 3863, 3702, 3856, 3862, 3924, 3984, 4002, 4089, 4160, 4193, 4275-4278, 4280, 4303, 4320
PHOSPHORUS METABOLISM DISORDERS: 547, 704
PHOSPHORYLASE KINASE: 716
PHOSPHOTRANSFERASES: 352, 770, 600, 683, 938, 950-951, 2627, 2657, 2711, 2721, 2892, 3141, 3256, 3376, 3386, 3450, 3663, 3964, 3966, 4279, 4301
PHOSPHOTUNGSTIC ACID: 290
PHOTIC STIMULATION: 287-288, 1616, 1671, 1897, 3294, 3554, 4096, 4161
PHOTOCHEMISTRY: 769
PHOTOGRAPHY: 1556, 1777, 1840, 4247
PHOTOLYSIS: 1496
PHOTOMETRY: 591, 613, 1642, 1721, 2301, 2683
PHOTOMICROGRAPHY: 888, 1012, 3124
PHOTORECEPTORS: 698, 1557, 3294, 4006
PHOTOSENSITIZATION: 1713, 3459, 3957
PHRENIC NERVE: 2803
PHTHALIC ACID: 3130
PHTHALYLSULFATHIAZOLE: 1052
PHYSICAL EXAMINATION: 2041, 2168
PHYSICAL FITNESS: 371, 2488, 4296
PHYSICAL STIMULATION: 1350, 1407, 1543, 3150, 3917, 4161
PHYSICAL THERAPY: 61, 381, 502, 997, 2345, 2442, 2714, 3966, 4179, 4408
PHYSIOLOGY: 723, 1656, 3356, 4289
PHYSIOLOGY, COMPARATIVE: 667, 1304, 1676, 2254, 2516, 2805
PHYTOMITOGENS: 616
PHYTONADIONE: 2933, 4026
PHYTOSTEROLS: 3763
PIA MATER: 3286
PICKWICKIAN SYNDROME: 993, 1478, 3832
PICROTOXIN: 3399
PIGEONS: 270-271, 445, 740, 686, 1735, 1871, 1917, 3365, 3584, 3645, 3763, 3768, 4008
PIGMENTATION: 596, 900, 1274, 2412, 2772, 3968
PIGMENTATION DISORDERS: 380, 1449, 2685, 2809, 2964, 4382
PIGMENTS: 854, 1274, 1876, 2801
PILOCARPINE: 2152, 2290, 2316, 3452, 4245
PILOT PROJECTS: 570, 1817, 2017
PIMOZIDE: 2186
PINDOLOL: 3417
PINEAL BODY: 134, 358, 384, 696, 1022, 1045, 1284, 1557, 1587, 1871, 1730, 1761, 1682, 1915, 1974, 2201, 2473, 2535, 2648, 2740, 2947, 2990, 3171, 3178-3177, 3191-3192, 3194, 3273, 3294, 3554, 4006, 4069, 4104, 4382
PINEALOMA: 759, 1235, 4382
PINOCYTOSIS: 440, 1290, 4048, 4106
PIPERAZINES: 1871, 2096, 3227, 3259, 3382, 4272
PIPERIDINES: 986, 1945
PITUITARY-ADRENAL FUNCTION TESTS: 222, 794, 1206, 1950, 1966, 1971, 2033, 2113, 2386, 2475, 2565, 2743, 3222, 3390, 3668, 3698, 4005, 4015
PITUITARY-ADRENAL SYSTEM: 992, 1016, 1056, 1097, 1120, 1326, 1626, 1663, 1651, 1699, 2274, 2318, 2699, 3468, 3547, 3809, 3963, 4067, 4121
PITUITARY DISEASES: 282, 485, 1317, 1913, 1930, 2063, 2129, 3023, 3387, 3599, 3668, 3910, 4424
PITUITARY GLAND: 2, 10, 30, 53, 56, 59, 97-98, 126, 156, 167, 181, 208, 217, 248, 270-271, 342, 359, 368, 374, 412, 415, 417, 431, 445, 485, 495, 506, 557, 586, 649, 670, 685, 898, 699, 724, 735, 740, 751, 766-767, 783, 602, 635, 675, 679-680, 666, 890, 895, 1006, 1013, 1018, 1028, 1039, 1133, 1152, 1157, 1177, 1187, 1195, 1206, 1208, 1234, 1244, 1284, 1326, 1355, 1384, 1404, 1490, 1515, 1553, 1558, 1563, 1568, 1576-1577, 1579, 1587, 1596, 1733, 1774, 1600, 1604, 1838, 1650, 1653, 1872, 1900, 1908, 1930, 1950, 1974, 2015, 2028, 2033, 2083, 2099, 2129, 2141, 2149, 2171, 2176, 2165, 2168, 2191, 2201, 2244, 2255, 2271, 2274, 2353, 2382, 2419-2420, 2459, 2533-2534, 2556, 2559, 2561, 2626, 2631, 2640, 2653, 2660, 2684, 2713, 2737, 2750, 2808, 2814, 2816, 2826, 2855, 2864, 2869, 2893, 2920, 2930, 2947, 2972, 2979, 3013, 3020, 3109, 3126, 3157, 3176-3177, 3242, 3250, 3253, 3303, 3307, 3316, 3354, 3365, 3367, 3379, 3414, 3448, 3453, 3456, 3460, 3501, 3503, 3571, 3607, 3619, 3668, 3766, 3796, 3796, 3832, 3844, 3846, 3850-3852, 3854, 3869, 3916, 3923, 3942, 3948, 3953, 3979, 3995, 3997, 4047, 4070, 4075-4076, 4097, 4104, 4106, 4116, 4136, 4144, 4175, 4201, 4216, 4223, 4234, 4248, 4254, 4274, 4302, 4312, 4326, 4334, 4352, 4361, 4397
PITUITARY GLAND FUNCTION TESTS: 734, 1576, 1957, 2818, 2950, 3443, 3599, 3632
PITUITARY GLAND IRRADIATION: 81, 282, 366, 1805, 1737, 2406, 2950, 4067
PITUITARY GLAND, POSTERIOR: 68, 310, 976, 1053, 1310, 1512, 2341, 2634, 3320, 3369, 3679, 4060, 4086
PITUITARY HORMONE RELEASING FACTORS: 96, 192, 248, 270, 389, 415, 434, 767, 679-680, 1089, I133, 1568, I751, 1600, 1633, 1643, 1957, 2387, 2640, 2873, 2760, 3177, 3230, 3356, 3384, 3443, 3879, 3768, 3768, 3914, 4060, 4066, 4135, 4274, 4305, 4309, 4312, 4456
PITUITARY HORMONES: 35, 43, 694, 1568, 2534, 2816, 2894, 3435, 3659, 3755, 4075
PITUITARY HORMONES, ANTERIOR: 1308, 1576, 2419, 2660, 4312
PITUITARY HORMONES, POSTERIOR: 1053, 1576, 1600, 2244, 2826
PITUITARY NEOPLASMS: 58, 61, 282, 388, 378, 428, 527, 586, 759, 638, 1075, 1234, 1245, 1373, 1563, 1727, 1913, 1930, 2055, 2060, 2084, 2217, 2353, 2414, 2419-2420, 2468, 2751, 2781, 2956, 3130, 3156, 3221, 3318, 3349, 3367, 3414, 3956, 3963, 4047, 4380, 4397, 4424
PLACEBOS: 17, 117, 608, 687, 699, 1005, 1109, 1176, 1766, 1964, 2168, 2396, 2443, 2723, 2841, 3417, 3455, 3485, 4025
PLACENTA: 54, 99, 154, I58, 220, 276, 276, 306, 317, 325, 336, 537, 616, 684, 610, 614, 641, 914, 1016, 1055, 1121, 1146, 1148, 1156, 1159, 1261, 1299, 1311, 1479, I538, 1876, 1664, 1697, 1714, 1740, 1602, 1624, 1676-1879, 1692, 2038, 2132, 2137, 2252, 2439, 2474, 2517, 2532, 2596, 2606, 2817, 2819, 2696, 2813-2814, 2838, 2900, 2965, 2968, 3052, 3095, 3111, 3138, 3151, 3210, 3242, 3446, 3476, 3481, 3543, 3720, 3811-3812, 3814, 3821-3822, 3833, 3844, 3857, 3936, 4021, 4056, 4064, 4063, 4162-4163, 4319, 4348
PLACENTA DISORDERS: 16, 203, 212, 420, 463, 468, 667, 625, 653, 1299, 1316, 1473, 1479, 1524, 1588, 1710, 1740, 1624, 2038, 2102-2104, 2168, 2252, 2619, 2711, 2813-2814, 3014, 3111, 3166, 3440, 3481, 3830, 4021, 4163
PLACENTA PRAEVIA: 2411, 3014, 4056
PLACENTAL EXTRACTS: 537, 2137
PLACENTAL HORMONES: 149, 3370, 3701
PLACENTAL LACTOGEN: 261, 305-306, 1740, 1625, 1963, 2265, 3470, 3692, 3853, 4021, 4163
PLANT AGGLUTININS: 618, 1150, 1254, 2091, 2247, 2417, 3239, 3486, 4261
PLANT EXTRACTS: 110, 2432
PLANT GROWTH REGULATORS: 3141
PLANT POISONING: 1142
PLANT PROTEINS: 3141
PLANTS: 152, 1402, 2132, 2276, 2529, 2545, 3141, 3178
PLANTS, EDIBLE: 177, 3097
PLANTS, MEDICINAL: 110
PLAQUE ASSAY: 99, 4272
PLASMA: 9, 373, 616, 642, 2560, 3891
PLASMA CELLS: I979, 2169, 3078
PLASMA SUBSTITUTES: 2347, 2601, 3325
PLASMA VOLUME: 995, 1425, 3176
PLASMACYTOMA: 4130
PLASMINOGEN: 3240
PLASTER OF PARIS: 4214
PLASTICS: 2823, 2975
PLATELET ADHESIVENESS: 320, 551, 1238, 1570, 1627, 2797, 2823, 4002, 4191
PLATYBASIA: 3261
PLETHYSMOGRAPHY: 730, 2625, 2768, 3164, 3251
PLEURAL DISEASES: 226, 1645
PLEURAL EFFUSION: 2326, 2728, 2811, 3353
PLEURAL NEOPLASMS: 426, 3707
PLEURISY: 4342
PLUTONIUM: 169
PNEUMOCOCCAL INFECTIONS: 4262
PNEUMOCONIOSIS: 1546
PNEUMOENCEPHALOGRAPHY: 642, 1930, 2414, 3910, 4105, 4397, 4424
PNEUMOMEDIASTINUM, DIAGNOSTIC: 275
PNEUMONECTOMY: 4396
PNEUMONIA: 316, 633, 1126, 1379, 1439, 2543, 2890, 2837, 3644
PNEUMONIA, INTERSTITIAL PLASMA CELL: 1412, 3644
PNEUMONIA, STAPHYLOCOCCAL: 646, 2837
PNEUMOPERITONEUM, ARTIFICIAL: 743
PNEUMOTHORAX: 155
PODOPHYLLOTOXIN: 3890
POISON IVY DERMATITIS: 741
POISONING: 423, 629, 1620, 2277, 3581, 3893
POLAND: 1723, 2076
POLAROGRAPHY: 152, 1337, 1614, 3277
POLIOMYELITIS: 226
POLIOMYELITIS, BULBAR: 1147
POLLEN: 137
POLONIUM: 4110
POLY A-U: 2052
POLY I-C: 343, 2052, 3419
POLY U: 3612
POLYCYCLIC COMPOUNDS: 1701, 1677
POLYCYTHEMIA: 336, 2965
POLYETHYLENES: 1266
POLYMERS: 2799, 3032, 3629, 4165, 4330
POLYMORPHISM (GENETICS): 669, 2694, 2696, 2756, 3541
POLYMYALGIA RHEUMATICA: 477, 922, 2025, 4405
POLYMYXIN: 3288, 4357
POLYNEURITIS: 2971
POLYOMA VIRUS: 3702
POLYPLOIDY: 638, 1095, 1642, 1976, 2371, 2490, 3008, 3877, 4296
POLYPS: 120, 600, 3065
POLYRADICULITIS: 226
POLYRIBOSOMES: 365, 696, 1914, 2348, 2913, 3878, 4045
POLYSACCHARIDES: 658, 1077, 1559, 2173, 2725, 3258, 3625, 3666, 3754, 3919, 3964, 4020, 4165
POLYSACCHARIDES, BACTERIAL: 3591, 4339
POLYSTYRENES: 3523
POLYURETHANES: 1240
POLYURIA: 631, 2322, 2766
POLYVINYLPYRROLIDONE: 37, 752, 644-645, 4339
PONS: 231, 421, 1672, 1699, 2249, 2325, 3595
POPLITEAL ARTERY: 196
POPULATION CONTROL: 1617, 3079, 3309, 4438
POPULATION GROWTH: 2342
POPULATION SURVEILLANCE: 3096, 3777
PORPHOBILINOGEN: 3669
PORPHYRIA: 299, 1723, 2745
PORPHYRINS: 2745, 2952, 3669
PORTACAVAL ANASTOMOSIS: 2839, 3510
PORTAL SYSTEM: 2298, 2916
PORTAL VEIN: 2957
POSITIVE-PRESSURE RESPIRATION: 2543
POSTGASTRECTOMY SYNDROMES: 3990
POSTMORTEM CHANGES: 2301, 2476
POSTOPERATIVE CARE: 57, 1517, 1610, 1673, 2574, 3206, 3233, 3622, 3764, 4228
POSTOPERATIVE COMPLICATIONS: 24, 63, 76, 114, 166, 235, 263, 282, 453, 466, 492, 499, 560, 682, 719, 725, 746, 661, 969, 994, 1075, 1134, 1191, 1241, 1267, 1439, 1470, 1517, 1583, 1651, 1687, 1690, 1737, 1929, 2117, 2163, 2201, 2216-2217, 2566, 2635, 2776, 2768, 2876, 2915, 3116, 3119, 3206, 3265, 3317, 3327, 3424, 3557, 3674, 3816, 3874, 3994, 4063, 4114, 4159, 4197, 4210, 4322, 4336
POSTPERICARDIOTOMY SYNDROME: 287
POSTURE: 16, 761, 647, 917, 1603, 1926, 2076, 2372, 3696, 3944, 3971, 4143, 4176, 4161, 4420
POTASSIUM: 9, 15, 135, 152, 194, 223-224, 356, 460, 473, 734, 761, 767, 1015, 1043, 1122, 1137, 1213, 1233, 1268, 1387, 1425, 1488, 1510, 1606, 1696, 1721, 1753, 1756, 1627, 1685, 1925, 1975, 2092, 2097, 2108-2109, 2162, 2163, 2240, 2280, 2299, 2323, 2488, 2502, 2504, 2558, 2563, 2606, 2610, 2614, 2635, 2679, 2683, 2692, 2721, 2891-2892, 3032, 3108, 3134, 3289, 3299, 3315-3316, 3335, 3407, 3431, 3436, 3444, 3451-3452, 3537, 3570, 3598, 3652, 3665, 3684, 3696, 3710, 3752,

3779, 3796, 3825, 3842, 3876, 3955, 3962, 3969, 3971, 4053-4054, 4122, 4135, 4143, 4176, 4265, 4275, 4350, 4370, 4455
POTASSIUM CHLORIDE: 15, 356, 386, 1406, 1410, 2097, 2261, 2534, 2695, 3067, 3342, 3432, 3576, 3792
POTASSIUM DEFICIENCY: 1542, 2162
POTASSIUM IODIDE: 63, 2097, 2604
POTASSIUM ISOTOPES: 460
POTASSIUM PERMANGANATE: 3859
POTENTIOMETRY: 223, 2314
POULTRY: 3011
POULTRY DISEASES: 1216, 2730
POVERTY: 736
POVIDONE-IODINE: 752
POWDERS: 1764
PRASEODYMIUM: 2831
PREANESTHETIC MEDICATION: 1375, 1606, 2796
PRECANCEROUS CONDITIONS: 175, 1227, 1448, 1461, 2062
PRECIPITATION: 5, 740, 1148, 1374, 1503, 1697, 2402, 3271, 3673, 3919, 4369
PRECIPITIN TESTS: 316, 505, 1337, 1567, 3419, 4115
PREDIABETIC STATE: 548, 1204, 4447
PREDNISOLONE: 64, 113, 174, 407, 416, 491, 507, 525, 624, 727, 937, 1012, 1020, 1071, 1079, 1168, 1239, 1253, 1264, 1334, 1343, 1347, 1575, 1584, 1614, 1696, 1666-1669, 1954, 1960, 2025-2026, 2055, 2058, 2092, 2111, 2275, 2283, 2299, 2345, 2393, 2437, 2643, 2690, 2724, 2741-2742, 2837, 2938, 2971, 3026, 3071, 3129, 3159, 3327, 3492, 3599, 3716, 3741, 3757, 3774, 3789, 3823, 3939, 3941, 3979, 4103, 4179, 4240, 4245, 4346-4347, 4419
PREDNISOLONE, TOPICAL: 1335, 1459, 4125
PREDNISONE: 1, 3, 57, 64, 75-76, 114, 143, 168, 165, 213, 263, 266, 295, 316, 339, 355, 387, 402, 406, 416, 533, 551, 588, 563, 606, 674, 676, 683, 704, 709, 741, 744, 746, 761, 771, 760, 667, 693, 906, 922, 1050, 1064, 1134, 1160, 1309, 1352, 1372, 1393, 1401, 1445-1446, 1453-1454, 1458, 1489, 1497, 1517, 1519, 1534, 1545-1546, 1631, 1709, 1788, 1635, 1661, 1675, 1689, 1950, 1966, 1994, 2039, 2067, 2061, 2126, 2161, 2169, 2167, 2221, 2354, 2359, 2366, 2471, 2542, 2668, 2723, 2738, 2876, 2690, 2925, 2976, 2991, 2995, 3016, 3026, 3071, 3102, 3203, 3260, 3282, 3285, 3295, 3323, 3339, 3363, 3375, 3423, 3441, 3469, 3480, 3525, 3548, 3557, 3559, 3572, 3580, 3609, 3655, 3658, 3724, 3734, 3603, 3699, 3948, 3966, 3994, 4017, 4071, 4159, 4166, 4171, 4355, 4400, 4404-4405, 4410-4411, 4414-4415, 4441
PREGNADIENES: 397, 732, 690, 1036, 1206, 1749, 2165, 2406, 2682, 3149, 3372, 3437, 3451-3452, 3624, 4207, 4306
PREGNANCY: 6, 16, 16, 31, 35, 42, 47-49, 52, 54-55, 59, 65, 68, 71-73, 79-80, 95, 119, 140, 146, 149, 154, 156-162, 165, 197, 212, 220, 241-242, 246, 250-251, 260, 270, 273, 276, 276-279, 300, 305-306, 317, 323, 331-332, 336, 361, 365, 376, 366, 396, 411, 420, 437, 443, 462-464, 475-476, 462, 486-489, 496, 500-501, 506, 516-517, 520-521, 524, 537, 539, 553-554, 559-660, 564-565, 570-571, 574, 581, 564, 611, 613-614, 616, 622, 626, 633, 642, 667, 682, 686, 690, 693, 705, 716, 743, 766, 772, 776, 765, 790-792, 796, 797, 799, 602, 609-615, 625, 627, 635, 641, 653, 655, 665, 670, 672, 674, 889, 692, 699, 914, 920-921, 934, 954-956, 959, 974-975, 967, 1001, 1010-1011, 1016, 1033, 1052, 1055, 1057, 1062, 1121, 1126, 1142-1143, 1146, 1156, 1158-1159, 1166, 1193, 1200, 1215, 1237-1238, 1260-1261, 1270-1271, 1299, 1312, 1318, 1322, 1336, 1413-1414, 1416-1417, 1472-1473, 1476-1479, 1484, 1486, 1496, 1503, 1605, 1513, 1524, 1659, 1683, 1588, 1696, 1602, 1611, 1624, 1628, 1632, 1636, 1668, 1664, 1676, 1679, 1684, 1668, 1697, 1899, 1714, 1726, 1737, 1739-1740, 1778, 1780-1781, 1786, 1795, 1817-1816, 1824-1825, 1674, 1876-1879, 1890, 1892, 1904-1906, 1911, 1946, 1969, 1967, 1972, 1975-1977, 1983, 1990, 2002, 2004-2006, 2016, 2019, 2023, 2038, 2044, 2047, 2083, 2066, 2069-2070, 2102-2104, 2124, 2134, 2135, 2141-2143, 2145, 2151, 2154, 2168, 2170, 2205, 2206-2210, 2213-2214, 2219, 2233, 2248, 2262, 2258, 2279, 2304, 2315, 2323-2324, 2330, 2334, 2367, 2368, 2379-2380, 2389, 2403-2404, 2411, 2422, 2437-2439, 2444, 2455, 2474, 2489, 2502, 2517-2518, 2622, 2627, 2632-2533, 2648, 2665, 2573, 2589-2590, 2596, 2699, 2602, 2506, 2611, 2617, 2519, 2524, 2626, 2631, 2641-2642, 2651, 2674-2675, 2596, 2709, 2711-2712, 2716, 2757-2758, 2762, 2771, 2765, 2813-2815, 2817, 2836, 2838, 2840, 2846, 2868, 2875, 2879, 2885-2886, 2896, 2900, 2903, 2906, 2909, 2912, 2924, 2930, 2936, 2949, 2954, 2985, 2988, 3003-3004, 3010, 3014, 3025, 3028, 3031, 3034, 3052, 3055
3079, 3095, 3097, 3111, 3115, 3119-3120, 3133, 3138, 3148, 3150-3151, 3160, 3165-3166, 3169, 3196, 3202-3203, 3210, 3236, 3242-3243, 3245, 3252, 3255, 3296, 3303, 3324, 3326, 3332, 3334, 3348, 3359, 3370, 3395, 3415, 3416, 3426, 3440-3441, 3446, 3470, 3475, 3481, 3500, 3506, 3514, 3522, 3524, 3539, 3542-3543, 3545, 3549, 3569, 3576-3577, 3588, 3599, 3616-3619, 3633, 3636, 3640-3641, 3666, 3674, 3692-3693, 3699, 3704, 3708, 3714, 3720-3721, 3728, 3768, 3765, 3767, 3811-3812, 3814, 3816, 3820-3822, 3830, 3833, 3844, 3847, 3853-3854, 3868-3869, 3871, 3899, 3902, 3904, 3913, 3930-3934, 3938, 3960, 3974, 3986, 4016, 4021, 4023, 4047-4048, 4052, 4056, 4064, 4067, 4076, 4083, 4085, 4087, 4115, 4137, 4146, 4150, 4162-4163, 4181, 4167, 4192, 4194-4195, 4206, 4215, 4228, 4243, 4246, 4249-4250, 4263, 4270, 4277, 4283, 4286, 4292, 4296, 4319, 4325, 4330, 4334, 4337, 4348, 4351, 4359, 4363, 4367, 4376-4379, 4381, 4388, 4421, 4425, 4428, 4431, 4444-4445, 4449
PREGNANCY, ANIMAL: 30, 52, 60, 162, 165, 197, 260, 270, 464, 501, 611, 614, 682, 621, 689, 914, 1226, 1596, 1776, 2047, 2141, 2213, 2254, 2467, 2712, 2716, 2758, 3028, 3303, 3408, 3820, 4083, 4351, 4359, 4367
PREGNANCY COMPLICATIONS: 49, 197, 220, 249-250, 273, 279, 323, 336, 464, 489, 558, 560, 574, 581, 682, 655, 1052, 1158, 1316, 1586, 1591, 1740, 1963, 2016, 2103, 2136, 2279, 2315, 2357, 2437, 2868, 2885, 2903, 3014, 3166, 3196, 3255, 3506, 3529, 3699, 3871, 3933, 3966, 4067, 4137, 4246, 4296, 4425, 4431
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 16, 1260, 2102, 3166, 3674, 4167
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 632, 3441, 3899, 4319
PREGNANCY COMPLICATIONS, INFECTIOUS: 517, 667, 855, 1056, 1316, 2038, 2136, 3025
PREGNANCY, ECTOPIC: 220, 396, 1583, 2102
PREGNANCY IN DIABETES: 716, 1503, 2023, 2219, 2619, 3370, 4021, 4048, 4296
PREGNANCY, MULTIPLE: 212, 278, 560, 1911, 2102, 3004, 3245, 3768, 3931
PREGNANCY, PROLONGED: 306, 3812, 3906, 4076
PREGNANCY TESTS: 361, 889, 1972, 3522, 3549
PREGNANCY TESTS, IMMUNOLOGIC: 1688, 1983, 3891, 4263, 4367
PREGNANCY TOXEMIAS: 161, 212, 300, 655, 1260, 1316, 1524, 1586, 1990, 2124, 2136, 2219, 2315, 2516, 2619, 3014, 3252, 3633, 3701, 3853, 3899, 3936, 4348, 4421
PREGNANCY, TUBAL: 743, 1688, 3245
PREGNANCY, UNWANTED: 146, 1513, 2589, 4277
PREGNANEDIOL: 107, 332, 437, 934, 1212, 1740, 2168, 2303, 2320, 2638, 2806, 3627, 3891, 3934, 4009
PREGNANES: 211, 242, 331-332, 681, 1026, 1039, 1496, 1509, 1608, 1666, 1716-1719, 1726, 1749, 1663, 1941, 2170, 2303, 2646, 2729, 2743, 2842, 2983, 3669, 3845, 3858, 3998, 4267, 4376
PREGNANETRIOL: 107, 1091, 1591, 1737, 1749, 2376, 2646, 2806, 3669
PREGNENES: 258, 697, 1483, 2170, 3156, 3890, 4220
PREGNENOLONE: 154, 208, 452, 613, 630, 1369, 1703-1704, 1749, 1877, 1901, 2014, 2082, 2224, 2842, 3340, 3429, 3512, 3538, 3651, 3659, 3763, 3790, 3856, 3884, 3890, 4092-4093, 4124, 4252
PREJUDICE: 3145
PREMEDICATION: 463, 476
PREMENSTRUAL TENSION: 1827, 4381
PRENATAL CARE: 1586, 2168
PRENATAL DIAGNOSIS: 606, 622, 1193, 1242, 1273, 1664, 1977, 3004, 3022, 3440, 3683
PREOPERATIVE CARE: 399, 762, 1966, 3122, 3206, 3622, 3764, 3865, 4147, 4228, 4322, 4336
PRESBYCUSIS: 2118
PRESCRIPTIONS: 302, 731, 4377
PRESERVATION, BIOLOGICAL: 855, 1233
PRESSORECEPTORS: 1646, 1962
PRESSURE: 387, 1540, 1637, 2304, 2987
PRILOCAINE: 2509
PRIMAQUINE: 1012
PRIMATES: 1840
PRIMIDONE: 2096
PRISONERS: 4136
PRISONS: 4136
PRIVATE PRACTICE: 140
PROADIFEN: 931, 1649, 3223
PROBABILITY: 92, 441, 967, 1166, 2395, 3699
PROBENECID: 1371, 2184, 2166, 2752, 3116, 4307
PROCAINE: 535, 4111
PROCAINE AMIDE: 1756, 4414
PROCARBAZINE: 519, 606, 1333, 1338, 3260, 3559
PROCHLORPERAZINE: 476, 4404
PROCTOSCOPY: 2601
PRODIGIOSIN: 1056
PROGESTATIONAL HORMONES: 17, 38, 242, 520, 536, 559, 647, 1111, 1376, 1648, 1691, 1718-1719, 1965, 2128, 2254, 2279, 2456, 2637, 2772, 2815, 2948, 3149, 3160, 3280, 3439, 4330, 4456
PROGESTERONE: 6, 25, 30, 38, 102, 126, 154, 171, 175, 204, 211, 221, 242, 260, 303, 357, 372, 385, 453, 482, 484, 510, 535, 571-572, 576, 588, 623, 631, 645, 648, 699, 728, 745, 799, 803, 611-814, 616, 637, 651-852, 675, 889, 924, 945, 972, 1010, 1026, 1039, 1058, 1112, 1161, 1175, 1226, 1244, 1262, 1345, 1353-1354, 1369, 1389, 1405, 1415, 1428, 1436, 1451, 1528, 1605, 1668, 1703-1704, 1716-1719, 1722, 1751, 1627, 1830, 1839, 1864, 1677, 1914, 1963, 2015, 2021, 2030, 2070, 2082, 2142, 2170, 2172, 2191, 2208, 2248, 2251, 2254, 2295, 2315, 2316, 2363, 2422, 2426, 2438, 2467, 2470, 2474, 2507-2508, 2532, 2538, 2585, 2611, 2638, 2675, 2712, 2716-2717, 2758, 2774, 2838, 2840, 2960, 2963, 2967, 2983, 3034, 3043, 3148, 3175, 3169, 3205, 3225, 3234, 3276, 3303, 3357, 3359, 3429, 3439, 3453, 3456, 3494, 3524, 3538, 3542, 3549, 3569, 3577, 3584, 3616, 3659, 3763, 3767, 3790, 3820, 3844, 3846-3847, 3884, 3898, 3906, 3927, 4072, 4075, 4083, 4097, 4149, 4192, 4194, 4215-4216, 4220, 4228, 4251, 4260, 4286, 4296, 4314, 4351, 4381, 4456
PROGNOSIS: 44, 64, 129, 210, 287, 313, 362, 380, 398, 458, 492, 533, 592, 716, 754, 780, 929, 991, 1025, 1050, 1124, 1179, 1220, 1313, 1497, 1529, 1602, 1651, 1740, 1773, 1788, 2026, 2584, 2793, 2995, 3206, 3231, 3236, 3260, 3323, 3441, 3480, 3510, 3529, 3586, 3648, 3776, 3870, 3877, 3907, 3975, 4094, 4156, 4271, 4273, 4285, 4414
PROINSULIN: 2308, 3838
PROLACTIN: 53, 98, 126, 167, 270-271, 373-374, 451, 527, 611, 716, 768, 672, 880, 1010, 1039, 1151, 1226, 1322, 1365, 1490, 1558-1560, 1660, 1716, 1720-1721, 1776, 1862, 1671, 1963, 2063, 2141, 2171, 2258, 2264, 2414, 2419, 2422, 2459, 2615, 2642, 2651, 2675, 2737, 3043, 3130, 3148, 3184, 3215, 3273, 3365, 3370, 3403, 3456, 3569, 3576, 3584, 3607-3608, 3646, 3786, 3846-3847, 3869, 3951, 4039, 4047, 4087-4088, 4120, 4135, 4148, 4215, 4312, 4334-4335, 4361
PROLINE: 1404, 1632, 2874, 2945, 2955, 3176, 3922, 4305
PROLINE HYDROXYLASE: 804, 3366
PROMETHAZINE: 1439, 3858
PROMETHIUM: 1633
PRONASE: 1249
PROPANEDIOLS: 481, 1328, 3731
PROPIONATES: 92, 227, 745, 2676, 2691, 3298, 3437, 3512, 3598, 3917, 4141, 4308
PROPOXYPHENE: 1067
PROPRANOLOL: 63, 101, 116, 147, 406, 532, 1109, 1209, 1360, 1531, 1570, 1669, 1756, 1766, 2009, 2157-2158, 2164, 2242, 2282, 2385, 2396, 2415, 2502, 2563, 2715, 2759, 2779, 2998, 3289, 3393, 3399, 3412, 3431, 3602, 3679, 3700, 3705, 3807, 3837, 3924, 3944, 4016, 4027, 4043, 4165, 4259, 4303, 4434
PROPRIOCEPTION: 2075
PROPYLAMINES: 1114, 2716, 3837
PROPYLTHIOURACIL: 63, 1116, 1752, 2858, 3098, 3911, 4134, 4234, 4330
PROSPECTIVE STUDIES: 217, 674, 1302, 2383, 2733, 3262, 3994
PROSTAGLANDINS: 22, 50, 73-73, 93, 102, 153, 196, 207, 346, 248, 289, 390, 395, 422, 462, 472, 475-476, 498, 616, 624, 571-672, 601, 642, 694-695, 729-730, 733, 758, 777, 783, 789-791, 511-816, 573, 898, 964, 966, 1105, 1143, 1173, 1197, 1236, 1237-1238, 1283, 1306, 1360, 1408-1409, 1457, 1484-1485, 1499, 1515, 1537, 1541, 1588, 1629, 1558, 1760, 1791, 1794, 1806, 1639, 1879, 1686, 1960, 2002, 2018, 2048, 2065, 2152, 2154, 2164,

2205, 2213-2214, 2235-2236, 2248, 2251, 2278, 2280-2281, 2307, 2358, 2363, 2420, 2433, 2461, 2493-2494, 2504, 2523, 2590, 2629, 2656, 2735, 2753, 2782, 2817, 2869, 2879, 2898, 2910, 2936-2937, 2939, 2965, 3003, 3028, 3050, 3089-3090, 3172, 3183, 3202, 3214, 3251, 3342, 3347, 3357, 3394-3395, 3476, 3487, 3514, 3523, 3539, 3542, 3553, 3566, 3583, 3618, 3641-3642, 3680, 3748-3751, 3880, 3883, 3888, 3904, 4002, 4091, 4099, 4131, 4142, 4150, 4184-4185, 4191, 4206, 4222, 4225, 4234-4235, 4250-4251, 4263, 4275, 4284, 4320, 4389-4370, 4384, 4427, 4448, 4451
PROSTATE: 374, 493, 779, 864, 895, 1117, 1284, 1544, 1579, 1650, 1686, 2031, 2185, 2295, 2317, 2319, 2459, 2535, 2684, 2713, 2763, 3187, 3198, 3451-3452, 3562, 3796
PROSTATECTOMY: 1117, 2821
PROSTATIC DISEASES: 2071
PROSTATIC HYPERTROPHY: 129, 1544, 1579, 2424, 2821, 3485
PROSTATIC NEOPLASMS: 129, 760, 779, 1125, 1544, 1579, 1964, 2383, 2783, 2801-2802, 2821, 3451, 3805, 3877, 4170, 4396
PROSTATITIS: 1096
PROSTHESIS: 2799, 3123
PROTAMINES: 951
PROTECTIVE DEVICES: 1240
PROTEIN BINDING: 6, 32, 51, 156, 218, 259, 311, 334, 345, 400, 411, 536, 590, 599, 625, 645, 710, 728, 750, 770, 778, 845, 894, 955, 973, 1007, 1106-1107, 1113, 1129, 1162, 1175, 1203, 1312, 1539, 1871-1872, 1797, 1805, 1887, 1901, 1933, 1991, 2029, 2097, 2135, 2156, 2197, 2199, 2227, 2241-2242, 2295, 2310, 2314, 2328, 2364, 2380, 2425, 2857, 2678-2679, 2722, 2796, 2838, 2856, 2892, 2957, 3034, 3135, 3172, 3208, 3217, 3234, 3249, 3258, 3289, 3372, 3378, 3388, 3524, 3539, 3586, 3577, 3625, 3660, 3687, 3706, 3708, 3754, 3796, 3846, 3901, 3964, 3988, 3993, 4010, 4024, 4052, 4321
PROTEIN-BOUND IODINE TEST: 151, 198, 377, 391, 574, 1068, 1184, 1487, 1593, 1599, 1787, 1770, 1811, 1860, 1939, 1956, 2188, 2387, 2415, 2418, 2901, 3248, 3392, 3825, 3714, 3778, 4038, 4329
PROTEIN-CALORIE MALNUTRITION: 1478, 1728
PROTEIN CONFORMATION: 281, 290, 817, 1048-1047, 2135, 2362, 3240, 3706, 4117
PROTEIN DEFICIENCY: 1792, 1832, 2282, 2711, 3878
PROTEIN DENATURATION: 718, 828, 1048, 1101, 2624, 3289
PROTEIN HYDROLYSATES: 1706, 1832
PROTEIN KINASE: 716, 770, 938, 950-951, 2608, 2627, 2721, 3258, 3376, 3386, 3582, 3863
PROTEIN-LOSING ENTEROPATHIES: 1768, 1835
PROTEIN PRECURSORS: 567, 1980, 2031, 2446, 4117
PROTEINS: 39, 51, 131, 247, 297, 327, 347, 368, 430, 598, 645, 879, 715, 723, 662, 916, 932, 1115, 1203, 1374, 1509, 1523, 1539, 1580, 1621, 1628, 1750, 1832, 1655, 1672, 1887, 1699, 1973, 1985-1986, 2006, 2021, 2074, 2120, 2138, 2395, 2485, 2580, 2639-2640, 2642, 2657, 2680, 2891, 2894, 2913, 2974, 3060, 3140, 3182, 3272, 3376, 3386, 3450-3451, 3569, 3807, 3612, 3824, 3726, 3843, 3878, 3890, 3897, 3936, 3946, 3973, 4007, 4010, 4020, 4079, 4109, 4195, 4217
PROTEINURIA: 113, 168, 300, 674, 1136, 1453, 1497, 1545, 1983, 2306, 2381, 2393, 3362, 3775, 4187, 4382
PROTEUS INFECTIONS: 2288
PROTHROMBIN: 2777
PROTHROMBIN TIME: 37, 1349, 2623, 2777, 3028
PROTONS: 2955, 3684
PRURIGO: I459, 2376
PRURITUS: 49, 188, 655, 1475, 2298, 3196, 3933
PRURITUS ANI: 1357
PRURITUS VULVAE: 4153
PSEUDARTHROSIS: 617, 2045, 2597, 3317
PSEUDOHERMAPHRODITISM: 974, 1345, 1591, I682, 1841, 2598, 3406
PSEUDOHYPOPARATHYROIDISM: 338, 2766, 3756, 4032
PSEUDOMONAS: I649, 3131, 3429
PSEUDOMONAS AERUGINOSA: 1319
PSEUDOMONAS INFECTIONS: 78, 633, 3644, 4262
PSEUDOPREGNANCY: 211, 260, 914, 1719, 1968, 2487, 2830, 2762, 2840, 3303, 3630, 3846, 4381
PSEUDOPSEUDOHYPO- PARATHYROIDISM: 4032
PSEUDOXANTHOMA ELASTICUM: 4413
PSITTACINES: 3009, 3247-3249
PSORIASIS: 3, 548, 1024, 1056, 1348, 1504, 1685, 1706, 2394, 2408, 2557, 2769, 4412, 4429, 4432
PSYCHIATRIC STATUS RATING SCALES: 147, 4281
PSYCHOLOGICAL TESTS: 1123, 4296
PSYCHOMOTOR DISORDERS: 2093
PSYCHOPATHOLOGY: 375
PSYCHOPHYSIOLOGIC DISORDERS: 1706, 2558
PSYCHOPHYSIOLOGY: 232, 1434, 2274, 2877, 3105, 4331
PSYCHOSES: 1569
PSYCHOSES, MANIC-DEPRESSIVE: 685, 1991, 3337, 3687
PSYCHOSES, ORGANIC: 2584, 3529
PSYCHOSES, TOXIC: 568
PSYCHOSES, TRAUMATIC: 3529
PSYCHOSEXUAL DEVELOPMENT: 405, 526, 935, 1086, 2766, 4014, 4097, 4296
PSYCHOSOCIAL DEPRIVATION: 4274
PSYCHOSURGERY: 504
PSYCHOTHERAPY: 282, 2568, 3529
PSYCHOTHERAPY, GROUP: 2992
PTERIDINES: 2135, 3681
PTERYGIUM: 3261
PUBERTY: 123-124, 371, 403, 576, 766, 935, 1009, 1086, 1089, 1180, 1195, 1212, 1495, 1688, 1782, 1843, 1955, 2149, 2297, 2344, 2555, 2589, 2593, 2655, 2806, 2886, 2941, 3142, 3319, 3368, 3520, 3627, 3687, 3712, 3715, 3788, 3852, 3854, 4014, 4019, 4050-4051, 4097, 4104, 427I
PUBERTY, PRECOCIOUS: 1089, 1449, 1843, 2024, 2149, 2783, 2809, 2993, 3319
PUBLIC OPINION: 146
PUERPERAL DISORDERS: 46, 554, 560, 1215, 1271, 2949, 3010
PUERPERAL INFECTION: 2233, 3588
PUERPERIUM: 556, 1010, 1418, 1776, 1765, 2209, 2258, 2548, 2642, 2651, 2909, 3714, 3820, 3902, 4363
PULMONARY ALVEOLI: 1147, 1285, 1546, 1895, 2218, 2935, 3080, 3523, 3725, 4289
PULMONARY ARTERY: 912, 2004, 2107, 3201
PULMONARY CIRCULATION: 390, 1222, 2753, 2866, 3072
PULMONARY DIFFUSING CAPACITY: 3480
PULMONARY EDEMA: 1246, 1942, 2543, 2935, 3691, 3766
PULMONARY EMBOLISM: 226, 719, 1662, 2004, 2107, 2117, 2129, 2753, 4022, 4428, 4439
PULMONARY EMPHYSEMA: 226, 1273, 1541, 1786, 3016
PULMONARY FIBROSIS: 132, 2738, 3080
PULMONARY HEART DISEASE: 1222, 2485, 3576, 4005
PULMONARY SURFACTANT: 368, 795, 2935, 3693
PULMONARY VALVE: 4157
PULMONARY VALVE STENOSIS: 2664
PULPOTOMY: 2101
PULSE: 91, 232, 1975, 2107, 2217, 2304, 2590, 2607, 3998, 4382
PUNCTURES: 27, 236, 3188
PUNISHMENT: 1407
PUPA: 393, 3229
PURINE NUCLEOTIDES: 4275, 4279
PURINES: 1697, 2266, 3141, 3791, 3805, 4055, 4279
PURKINJE CELLS: 197, 389, 550, 654, 3174
PUROMYCIN: 238, 247, 1290, 1359, 1400, 1523, 3908, 3946, 3983
PURPURA: 552, 2643, 2742, 3295
PURPURA, THROMBOPENIC: 307, 632, 929, 1665, 2359, 2404, 3848, 3899, 3948
PURPURA, THROMBOTIC THROMBOPENIC: 507, I343, 2623
PUTRESCINE: 942
PYELONEPHRITIS: 1056, I071, 1571, 2048, 3169, 4171
PYLORIC ANTRUM: 359
PYLORUS: 1059, 2236, 3495
PYRAZINAMIDE: 213
PYRAZINES: 135, 2108
PYRAZOLES: 58, 354, 773, 2567, 3883
PYRETHRUM: 2629
PYRIDAZINES: 1297, 2153
PYRIDINES: 58, 358, 1672-1673, 1945, 3192
PYRIDOSTIGMINE BROMIDE: 2865, 3305
PYRIDOXAL PHOSPHATE: 646, 215I, 2239, 3190, 4419
PYRIDOXINE: 17, 168, 559, 646, 2437, 2483, 3190, 3447, 3794, 4419, 4444
PYRIDOXINE DEFICIENCY: 3190, 4444
PYRIMIDINE NUCLEOTIDES: 2545
PYRIMIDINES: 1897, 2028, 2680, 3791, 3813
PYROGALLOL: 1012, 2569
PYROGENS: 1105, 1717, 2114, 2515
PYROPHOSPHATASES: 858, 1609, 1821
PYROPHOSPHATES: 3435
PYROPHOSPHORIC ACIDS: 1897
PYRROLES: 1090, 2153, 2448
PYRROLIDINES: 2781, 3411, 3989, 4218
PYRROLIDINONES: 3706
PYRROLIDONECARBOXYLIC ACID: 2874
PYRROLIZIDINE ALKALOIDS: 1142
PYRUVATE DEHYDROGENASE COMPLEX: 2061, 3883
PYRUVATE KINASE: 800
PYRUVATES: 158, 703, 881, 1064, 1213, 1460, 1585, 2061-2062, 2355, 2504, 2513, 2538, 2691, 2904, 3396, 3427, 3793, 3883, 4140
PYURIA: 1071, 1571
QUADRIPLEGIA: 1429, 1657
QUAIL: 2554, 2976, 4008
QUALITY CONTROL: 792
QUESTIONNAIRES: 198, 2041, 4399
QUINACRINE: 120, 245, 605, 635, 1074, 1600, 1742, 2087, 3008, 3965, 4034
QUINAZOLINES: 562
QUINESTROL: 847, 1378, 2248
QUINGESTANOL: 647, 2837
QUINIDINE: 1756
QUININE: 3098, 3565
QUINOLINES: 152, 2389, 3259, 3791
QUINOXALINES: 1378
RABBITS: 31, 38, 51, 89, 77, 88, 159-160, 172, 183, 202, 219, 272, 283, 301, 328, 359, 438, 472-473, 486, 505, 513, 570-571, 598, 640, 645, 666, 896, 713, 718, 718, 755, 778, 782, 802, 804, 809, 814, 638, 871, 682, 912, 964, 963-985, 1002, 1005, 1018, 1040, 1046, 1062, 1076, 1081, 1109, 1148, 1238, 1252, 1283, 1285, 1290-1291, 1303, 1306, 1319, 1368, 1422, 1424, 1427, 1438, 1457, 1484-1488, 1506, 1536, 1538, 1550, 1559, 1637, 1643, 1704, 1717-1719, 1725, 1740, 1751, 1799, 1814, 1825, 1833, 1857, 1882, 1902, 1904, 1953, 1958, 1989, 1972-1973, 1985, 2043, 2051, 2137, 2143, 2163-2185, 2173, 2180, 2208, 2218, 2227, 2230, 2235, 2280-2281, 2350, 2369, 2377, 2382, 2395, 2399, 2431, 2450, 2492, 2499, 2513, 2532, 2537, 2558, 2576, 2580, 2605, 281I, 2626, 2660, 2674, 2891, 2748, 2758, 2779-2780, 2782, 2796, 2816, 2832, 2840, 2866, 2889, 2908-2909, 2921, 2960-2961, 2968-2969, 2987, 3012, 3048, 3050, 3058, 3086, 3108, 3151, 3162, 3201, 3253, 3270, 3289, 3331, 3342-3345, 3358, 3371, 3487, 3507-3508, 3517, 3523, 3546, 3565, 3576, 3645-3646, 3679-3681, 3700, 3704, 3769, 3769, 3792, 3799, 3882, 3950, 3992, 4002, 4010, 4052, 4064, 4076, 4085, 4090-4091, 4099, 4101, 4115, 4122, 4161, 4165, 4165, 4223, 4235, 4259, 4284, 4324, 4343, 4352, 4448
RACIAL STOCKS: 1927, 2392, 3712, 4416
RADIAL NERVE: 127
RADIATION CHIMERA: 3153
RADIATION DOSAGE: 28, 47-48, 163, 327, 514, 690, 1141, 1611, 2064, 2397, 2440, 3101, 3170, 3211
RADIATION EFFECTS: 28-29, 47-48, 71, 170, 285, 327, 575, 690, 760, 1003, 1508, 1512, 1592, 1611, I809, 1658, 1969, 2057, 2088, 2237, 2259, 2338, 2368, 2429, 2440, 2528, 2658, 2687, 2670, 2700, 2968, 3031, 3039, 3066, 3068, 3101, 3176, 3270, 3486, 3661, 3771, 3857, 3976, 4013, 4171, 4300, 4341
RADIATION GENETICS: 1141, 1795, 2384, 2940, 3229, 3486, 3504-3505, 4341
RADIATION INJURIES: 1491, 2011, 3236, 3976, 4336
RADIATION INJURIES, EXPERIMENTAL: 882, 3170, 3772
RADIATION MONITORING: 556, 1066, 1141, 3677, 4452
RADIATION PROTECTION: 556, 1141
RADIATION-PROTECTIVE AGENTS: 1058, 2259, 3178, 3772
RADICAL NECK DISSECTION: 991, 3387, 3907, 4253
RADIOBIOLOGY: 2174, 3254
RADIODERMATITIS: 2632, 2704
RADIOGRAPHIC MAGNIFICATION: 3328
RADIOGRAPHY: 47-48, 3677
RADIOIMMUNOASSAY: 6, 52, 59, 69, 72, 150,

158, 192, 207, 241, 248, 261, 271, 305-306, 341, 372-373, 406, 505, 527, 557, 572, 576, 586, 599, 652, 691, 718, 748, 781, 783, 813, 860, 948, 957, 964-965, 1010, 1040, 1046, 1058, 1101, 1109, 1129, 1185, 1244-1245, 1266, 1308, 1317, 1403, 1484-1487, 1490, 1558-1580, 1583, 1587, 1598, 1638, 1643, 1679, 1732, 1740, 1751, 1776, 1785, 1812, 1825, 1633, 1639, 1643-1644, 1859, 1913, 1926, 1955, 1957, 1964, 1997, 2000, 2008, 2033, 2077, 2098, 2141, 2149, 2171-2172, 2193, 2241, 2244-2245, 2251, 2369, 2419, 2459, 2501, 2508, 2516-2516, 2564, 2615, 2630, 2854, 2683, 2701, 2718, 2722, 2737, 2770, 2760, 2795, 2818, 2640, 2842, 2866, 2869, 2915, 2939, 2941, 2994, 3026, 3063, 3061-3062, 3130, 3181, 3213, 3230, 3235, 3250, 3257, 3271, 3273-3274, 3322, 3357-3358, 3363, 3371, 3470, 3524, 3539, 3558, 3583, 3597, 3808, 3818, 3646, 3692, 3704, 3801, 3820, 3842, 3853-3854, 3875, 3916, 3974, 3995, 4009, 4039, 4047, 4052, 4061, 4090, 4120, 4163, 4185, 4167, 4198, 4212, 4223, 4234, 4237, 4292, 4320, 4333, 4352

RADIOISOTOPE DILUTION TECHNIC: 1824, 2779, 3182, 3679

RADIOISOTOPE RENOGRAPHY: 404, 3918

RADIOISOTOPE SCANNING: 90, 220, 316, 319, 353, 392, 404, 425, 487, 514, 802, 610, 637, 666, 749, 759, 929, 1117-1118, 1164, 1421, 1429, 1431, 1447, 1471, 1594-1595, 1622, 1709-1710, 1770, 1811, 2004, 2079, 2361, 2378, 2471, 2549-2550, 2566, 2859, 2928, 3005, 3087, 3166, 3188, 3211, 3290, 3341, 3918, 3933, 3976-3977, 4118, 4231, 4318, 4396

RADIOISOTOPE TELETHERAPY: 467, 1709, 2011, 2574, 2704, 3404, 3491

RADIOISOTOPES: 318, 348, 1066, 1358, 1678, 1710, 1985, 2631, 3211, 3507-3508, 3679, 3823, 4091, 4261

RADIOLIGAND ASSAY: 242, 483, 975, 1668, 2241, 2254, 2264, 2427, 2596, 2838, 2918, 3213, 3351, 3550, 3577, 3840, 3648

RADIOLOGY: 1288, 3940

RADIOMETRY: 189, 3291

RADIOTHERAPY: 48, 266, 366, 760, 1093, 1491, 2091, 3457

RADIOTHERAPY DOSAGE: 425, 1487, 2574, 3236, 3575

RADIOTHERAPY, HIGH ENERGY: 61, 779, 1004, 1313, 3575

RADIUM: 453, 2429, 3291

RADIUS: 26, 1149, 1429, 2928, 3005, 3420, 3922

RADIUS FRACTURES: 3317

RAILLIETINIASIS: 2730

RANA CATESBEIANA: 286, 1385, 1548, 2232

RANA ESCULENTA: 3161

RANA PIPIENS: 1404, 2435, 3205, 3659, 3782, 4280

RANA TEMPORARIA: 1880

RATS: 8, 10, 14-15, 19, 25, 28-30, 33, 39, 50, 58, 62, 74, 79-80, 85, 89, 93, 97-96, 102, 105-106, 110, 125-128, 131, 135, 153, 182, 165, 170, 176, 160, 164, 193, 197, 202, 215, 216-220, 223-224, 227, 231, 233-234, 238, 244, 247-248, 253, 260, 270, 280-281, 294, 325, 329-330, 337, 342, 346, 350, 352, 354, 358-380, 368, 370, 372-374, 384, 400, 412, 421-422, 428, 434, 447, 449, 452, 455-457, 481, 464, 508, 510, 529, 537, 545, 550-551, 561-562, 567, 570-571, 576-577, 582, 595, 605, 611, 632, 642, 644, 646-647, 649-651, 854, 660-661, 673, 679-680, 682, 688, 691, 893, 895, 698-700, 702, 705-706, 712, 715, 721-722, 724, 726, 732, 735, 755, 785, 787, 770, 777-776, 793, 798, 800, 807-808, 815-816, 821, 829, 835, 838-640, 644, 848-849, 854, 858, 882, 884, 868, 879-880, 885, 891, 895, 897-898, 901, 905, 907, 910, 912, 919-921, 925-928, 930-932, 938, 947, 954, 956, 964-985, 972-973, 980, 982, 986, 990, 992, 1008-1009, 1013, 1018, 1020, 1022-1023, 1026, 1030-1031, 1033, 1038, 1039, 1046-1048, 1051, 1053, 1057, 1084, 1090, 1097, 1102-1103, 1106-1107, 1112, 1118-1117, 1120, 1128, 1130, 1142, 1144, 1152-1154, 1174-1175, 1180, 1197-1198, 1203-1204, 1209-1210, 1213, 1228, 1236, 1245, 1247, 1259, 1261, 1263, 1284, 1287, 1290-1291, 1293-1294, 1306, 1330-1332, 1340, 1350, 1354-1355, 1358-1359, 1363-1364, 1366, 1371, 1374, 1380, 1383, 1399-1400, 1402, 1404, 1408-1407, 1414, 1418, 1422, 1425, 1428, 1434, 1437, 1439, 1443-1444, 1457, 1472, 1477, 1483, 1487-1488, 1506, 1508, 1510, 1515, 1523, 1530, 1537-1539, 1553, 1564, 1568, 1572, 1582, 1585, 1597, 1617-1618, 1821, 1832-1633, 1849-1650, 1853-1854, 1883, 1872-1673, 1877-1678, 1683, 1689, 1693, 1711, 1716-1717, 1725, 1727-1728, 1730, 1732, 1739, 1751, 1753, 1761, 1766, 1779, 1762, 1784, 1792, 1794, 1796, 1600, 1603-1804, 1821, 1629, 1831-1832, 1848-1849, 1851, 1864, 1672, 1893, 1898-1900, 1903, 1908, 1919, 1921, 1924-1925, 1938, 1945-1949, 1956, 1963, 1986, 1968, 1996-1997, 1999, 2003, 2005-2006, 2009 2016, 2020, 2028, 2035, 2049, 2068, 2072, 2075, 2082, 2085-2086, 2090, 2098-2099, 2105, 2109, 2111, 2118, 2133, 2135, 2138-2143, 2146-2147, 2151-2153, 2157-2158, 2180, 2185, 2192-2193, 2199, 2201, 2211, 2223-2224, 2230, 2236, 2238-2239, 2244, 2255-2258, 2261-2262, 2264, 2269-2271, 2274, 2282, 2295, 2297, 2305-2306, 2308, 2316, 2318-2319, 2327, 2331, 2341, 2348-2349, 2351, 2353, 2364-2366, 2374, 2377, 2400, 2419-2420, 2425-2426, 2438, 2440, 2444, 2447-2450, 2453, 2459, 2461, 2465, 2467, 2470, 2479-2480, 2484, 2488-2489, 2498, 2500, 2502, 2504-2506, 2513, 2520, 2530, 2532, 2534, 2538, 2540, 2544, 2553, 2555, 2559, 2561-2564, 2567, 2569, 2592, 2598, 2608, 2612, 2626, 2628, 2630, 2634, 2636, 2639-2640, 2642, 2651-2653, 2657, 2667, 2675, 2678-2679, 2684, 2694, 2697-2698, 2706-2707, 2713, 2715, 2724, 2726-2727, 2731, 2737, 2740, 2748, 2750, 2752, 2768, 2770, 2773, 2784, 2788, 2797, 2800, 2824, 2826, 2831, 2839, 2842-2843, 2847-2848, 2856, 2858, 2864, 2867, 2869, 2873-2874, 2877, 2904, 2908, 2910-2911, 2922-2923, 2929, 2935, 2941, 2945-2947, 2954, 2961, 2963, 2967, 2974, 2977, 2982, 2990, 2997-2998, 3012, 3015, 3017, 3020, 3028-3029, 3044, 3055, 3062, 3065-3066, 3068, 3081, 3109, 3113, 3126-3127, 3130, 3136, 3142-3144, 3150, 3156-3160, 3172, 3174, 3176-3177, 3183, 3185, 3191-3192, 3194, 3196, 3209, 3213, 3218, 3222, 3225, 3227, 3230, 3234-3235, 3238, 3244, 3256-3257, 3273, 3276, 3282-3283, 3297-3298, 3303, 3306-3307, 3318-3321, 3332, 3335, 3338, 3342, 3344, 3357, 3364, 3366, 3369, 3382, 3384, 3392, 3398, 3402, 3409, 3418, 3427, 3439, 3449-3450, 3453-3454, 3456, 3460, 3472, 3483, 3493-3498, 3501, 3503, 3512, 3535-3536, 3538, 3540, 3555, 3562-3563, 3566, 3583, 3587, 3595, 3601, 3812, 3619, 3624, 3628, 3630, 3634-3635, 3657, 3663, 3665, 3672, 3675, 3682, 3703, 3726, 3728, 3735, 3737, 3739, 3755, 3758, 3771, 3779, 3781, 3783, 3785-3786, 3788, 3791, 3796, 3798, 3804-3805, 3807, 3810, 3813, 3815, 3818, 3823-3824, 3829, 3832, 3837-3840, 3842 3846-3847, 3849-3851, 3855-3856, 3860-3862, 3878, 3880, 3883, 3886, 3888, 3897-3898, 3906, 3912-3913, 3917, 3922-3924, 3942-3943, 3946, 3949-3950, 3953, 3959-3960, 3964, 3973, 3981, 3989, 3992-3993, 3995-3996, 4012, 4027, 4039-4040, 4045, 4049-4051, 4053-4055, 4060, 4075-4078, 4083, 4089, 4091, 4093, 4103, 4107, 4110, 4112-4113, 4115, 4119-4120, 4124, 4135, 4154, 4167, 4174-4175, 4177, 4201, 4208-4209, 4213, 4216, 4220-4222, 4225, 4234-4236, 4283, 4297, 4302-4303, 4305, 4307, 4312, 4316-4317, 4320-4321, 4333, 4337, 4343, 4346, 4349, 4362, 4365, 4367, 4422, 4443

RATS, INBRED BN: 1034

RATS, INBRED LEW: 1034

RATS, INBRED STRAINS: 216, 231, 421, 426, 954, 1226, 1414, 1425, 1428, 1582, 1779, 1849, 1906, 1956, 2365, 2707, 3113, 3156, 3194, 3230, 3665, 3682, 3829, 3909, 4053-4054, 4110, 4154

RAYNAUD'S DISEASE: 2298

REACTION TIME: 96, 3698

RECEPTORS, ADRENERGIC: 223-224, 566, 1022, 1078, 1277, 1331, 1383, 2158, 2241-2242, 2333, 2502, 2605, 2998, 3072, 3289, 3431, 3591, 3705, 3749, 3751

RECEPTORS, CHOLINERGIC: 529, 566, 1331, 1646, 2605, 2829, 3705

RECEPTORS, DRUG: 285, 389, 515, 566, 807, 928, 1007, 1065, 1341, 2560, 2657, 2698, 2829, 2855, 2923, 3399, 3562, 3634, 4112, 4216, 4234

RECEPTORS, HORMONE: 6, 31, 74, 180, 645, 700, 816, 982, 1106-1107, 1175, 1340, 1451, 1509, 1539, 1702, 1872, 1887, 1914, 1924, 2241, 2267, 2295, 2328, 2598, 2895, 3198, 3308, 3331, 3460, 3562, 3796, 3814, 4185

RECEPTORS, NEURAL: 604, 1233, 1717, 2186, 2218, 3544

RECOMBINATION, GENETIC: 157, 597, 1032, 1207, 1797, 2694, 3229

RECRUITMENT (NEUROLOGY): 4161

RECTAL FISTULA: 7

RECTAL NEOPLASMS: 1981, 2767, 3290, 3819, 4398

RECTUM: 511, 964, 1314, 4043, 4169

RECURRENCE: 49, 83, 309, 453, 503, 518, 674, 697, 860, 929, 941, 969, 1005, 1279, 1401, 1453, 1692, 1724, 1920, 2067, 2177, 2197, 2288, 2393, 2413, 2687, 2690, 2915, 2925, 3119, 3196, 3279, 3374, 3484, 3718, 3733, 3763, 3802, 4197, 4372, 4415

REFERRAL AND CONSULTATION: 1025, 3334, 3521

REFLEX: 1035, 1561, 1646, 2672, 3417, 3547, 4161, 4329

REFLEX, ABNORMAL: 1561

REFLEX, MONOSYNAPTIC: 184

REFLEX, TENDON: 1184, 1667, 2416, 4116

REFRACTORY PERIOD, NEUROLOGIC: 3402

REGENERATION: 177, 1169, 1544, 1847, 2133, 3058, 3068, 3270

REGIONAL BLOOD FLOW: 196, 293, 685, 1128, 1194, 1197, 1409, 1719, 1624, 1982, 2085, 2235, 2333, 2370, 2432, 2575, 2607, 3053, 3134, 3266, 3528, 3679, 4161

REGISTRIES: 2709

REGRESSION ANALYSIS: 1544, 1579, 1764, 1677, 2391, 2395, 2490, 2545, 2988, 3014, 3438, 3500, 3730, 3935

REHABILITATION, VOCATIONAL: 2568

REINFORCEMENT (PSYCHOLOGY): 412, 866, 1164, 1407, 1948, 2274

REINFORCEMENT SCHEDULE: 234, 866, 3165, 3698, 4167

RELAXIN: 799

RELIGION: 573, 2042, 3079

REMISSION: 1, 113, 546, 913, 1084, 1352, 1453, 1497, 1534, 1715, 1861, 1954, 2032, 2393, 2415, 2482, 2686, 3260, 3414, 3597, 3802

RENAL ARTERY: 402, 609, 1044, 1462, 2039, 2048, 2370, 3444, 3528, 4073, 4238

RENAL ARTERY OBSTRUCTION: 46, 448, 1134, 1179, 1461, 1542, 3515

RENAL OSTEODYSTROPHY: 1037, 2541, 2849, 3509, 3977

RENAL TUBULAR TRANSPORT, INBORN ERRORS: 2951, 3775

RENAL VEINS: 729, 1169, 1323, 1462, 1573, 2370, 2916, 3351, 4238

RENIN: 9, 36, 67, 222, 240, 448, 471, 503, 532, 606, 689, 747-748, 761, 967, 995, 1040, 1048-1049, 1062, 1101, 1179, 1268, 1359, 1425, 1462, 1528, 1606, 1616, 1681, 1683, 1812, 1627-1828, 1942-1943, 1987, 1990, 2016, 2048, 2077-2078, 2068, 2136, 2230, 2365, 2369, 2462, 2563-2564, 2575-2576, 2645, 2663, 2701, 2805, 2866, 3053, 3075, 3156, 3293, 3299, 3335, 3432, 3444, 3528, 3530, 3590, 3652, 3863-3865, 3944, 3974, 4081, 4090, 4143, 4155, 4176, 4161, 4167, 4343, 4370, 4386, 4420-4421, 4453

REPRODUCTION: 127, 686, 723, 921, 1010, 1304, 1557, 1650, 1754, 1892, 2044, 2195, 2208-2209, 2384, 2438, 2555, 3076, 3115, 3202, 3334, 3383, 3852, 3902, 4315

REPTILES: 778, 3744

RESEARCH: 3661, 4007

RESEARCH DESIGN: 147

RESEARCH SUPPORT: 4289

RESERPINE: 280, 409, 561, 580, 726, 754, 765, 919, 1108, 1224, 1366, 1383, 1672, 1880, 1991, 2236, 2282, 2377, 2569, 2884, 2910, 3017, 3288, 3565, 3628, 3657, 3700, 3837, 3989, 4012, 4039, 4343

RESINS: 2624

RESORCINOL: 430-431, 1349, 4024

RESPIRATION: 66, 723, 1143, 1252, 1273, 1863, 1975, 2277, 2496, 2636, 2817, 2879, 2943, 2962, 3689, 3827-3828, 4158

RESPIRATION, ARTIFICIAL: 318, 946, 1952, 2543, 2546

RESPIRATORS: 3422

RESPIRATORY AIRFLOW: 1143, 1662, 3465-3466

RESPIRATORY CARE UNITS: 592

RESPIRATORY DISTRESS SYNDROME: 795, 1098, 1695, 2013, 2304, 2360, 3196, 3208, 3987, 4378, 4425

RESPIRATORY FUNCTION TESTS: 387, 993, 1143, 1476, 1546, 2386, 2390, 2738, 3422, 3465, 3944, 4084

RESPIRATORY HYPERSENSITIVITY: 1342, 1546, 4084

RESPIRATORY INSUFFICIENCY: 132, 226, 316, 946, 1273, 1593, 1614, 2415, 2543, 3080, 4173

RESPIRATORY SYSTEM: 272, 1170

SUBJECT INDEX

RESPIRATORY TRACT DISEASES: 639, 958, 1546, 1566, 2176, 2215, 3406
RESPIRATORY TRACT INFECTIONS: 76, 780, 1379, 1779, 2127
REST: 210, 435, 607, 987, 1692, 3301, 3423, 4015, 4406, 4409
RESUSCITATION: 592
RETICULAR FORMATION: 86, 256, 486, 604, 627, 1948, 2469, 2473, 2498, 2931, 3164, 3571, 4060
RETICULOCYTES: 2187
RETICULOENDOTHELIAL SYSTEM: 272, 676, 936, 1061, 1996, 2223, 2358, 2670, 2933, 3483
RETICULOENDOTHELIOSIS: 621, 3385, 4105
RETINA: 707, 1397, 1557, 1761, 1666, 2211, 2740
RETINAL ARTERY: 1620
RETINAL DEGENERATION: 742, 1640
RETINAL DETACHMENT: 742, 3469
RETINAL DISEASES: 1532
RETINAL HEMORRHAGE: 1620, 4392
RETINAL VEIN: 1743
RETINAL VESSELS: 1632
RETINITIS: 1
RETINITIS PIGMENTOSA: 3121
RETROPERITONEAL FIBROSIS: 2995, 3152, 3926
RETROPERITONEAL NEOPLASMS: 2040, 2917
RETROPERITONEAL SPACE: 2039
RETROPNEUMOPERITONEUM: 479
RETROSPECTIVE STUDIES: 129, 443, 1313, 1583, 1961, 2117, 2383, 2811, 2815, 2833, 3500, 3948, 4274, 4350, 4440
REVERSAL LEARNING: 972, 2366, 3696
REVERSE TRANSCRIPTASE: 349, 1161, 3043, 3138, 3463
REVIEW: 18, 132, 149, 163, 220, 222, 226, 265, 278, 347, 363, 389, 396, 436, 452, 465, 617, 571, 675, 579, 605, 684-685, 703, 714, 738, 807, 855, 885, 687, 913, 928, 1000, 1007, 1017-1018, 1029, 1056-1057, 1078-1079, 1088, 1142, 1171, 1173, 1230, 1238, 1243, 1273, 1338, 1341, 1386, 1444, 1546, 1565-1566, 1568, 1580, 1620, 1646, 1649, 1655, 1658, 1681, 1696, 1706, 1723, 1756, 1770, 1800, 1831, 1835, 1855-1856, 1914, 1959, 1974, 1976, 1989-1990, 2014, 2016, 2047-2048, 2065, 2115, 2124, 2127, 2148-2149, 2168, 2180, 2220, 2229, 2241, 2276, 2302, 2316, 2343, 2366, 2389, 2411, 2422, 2474, 2483, 2503, 2528, 2532-2533, 2587, 2631, 2682, 2677, 2745, 2748, 2772, 2777, 2783, 2766-2787, 2846, 2853, 2856, 2877, 2892-2893, 2899, 2902-2903, 2912, 2927-2928, 2959, 2970, 2992, 3016, 304[illegible] 3063, 3075, 3077, 3097, 3124, 3128, 3260, 3319, 3326, 3330, 3377, 3406, 3413, 3435, 3463, 3478, 3529, 3562, 3580, 3644, 3654, 3660, 3761, 3769, 3777, 3783, 3794, 3844, 3857, 3878, 4047, 4067-4068, 4068, 4097, 4106, 4109, 4158, 4191, 4217, 4222, 4249, 4269-4270, 4287, 4311-4312, 4340, 4410, 4414, 4446-4449
REWARD: 234, 972, 1407, 1948-1949, 2075, 3186
RH FACTORS: 212, 1723
RHEUMATIC FEVER: 2359, 3423, 4003, 4415
RHEUMATIC HEART DISEASE: 2807, 4005, 4415
RHEUMATIC NODULE: 4410, 4415
RHEUMATISM: 923, 1545, 1593, 1620, 2203, 2345, 2971, 4306, 4416
RHEUMATOID FACTOR: 1954, 3100, 4410
RHINITIS: 1786, 1958, 3465-3467
RHINOSCLEROMA: 1401, 1958
RHINOVIRUS: 4272
RHIZOPUS: 258
RHUS: 741
RIB FRACTURES: 100, 155, 2597, 3594
RIBOFLAVIN: 2483
RIBONUCLEASE: 1167, 1422, 1973, 3013
RIBONUCLEOTIDES: 2558, 3805, 4279
RIBOSE: 3806
RIBOSOMES: 365, 476, 1002, 1053, 1858, 2537, 3141, 3217, 3283, 3518, 3536, 3612, 3895, 4236
RIBS: 637, 2337, 2597, 3624, 3674, 4011
RICKETS: 104, 350, 481, 547, 763, 932, 1088, 1418, 1437, 1644, 1653, 1807, 2194, 2398, 2485, 2595, 2655, 2776, 2853, 2907, 2945, 3094, 3096, 3712, 4423
RICKETS, VITAMIN D RESISTANT: 1088, 2912, 3274
RIFAMPIN: 786, 1069, 1443, 1958, 2959, 4166, 4342
RIFAMYCINS: 349
RNA: 79, 189, 247, 327, 349, 368, 430, 623, 786, 916, 979, 1063, 1078, 1167, 1249, 1295, 1303, 1406, 1523, 1621, 1802, 1829, 1914, 2136, 2385, 2490, 2540, 2544, 2642, 2711, 2824, 2881, 2916, 2961, 3002, 3294, 3419, 3544, 3607, 3635, 3726-3727, 3754, 3857, 4089, 4140, 4236, 4315
RNA, BACTERIAL: 683, 1440
RNA, MESSENGER: 79, 1832, 2642, 2913, 3106
RNA, NEOPLASM: 265, 1167, 1443, 2305, 2918, 4278
RNA NUCLEOTIDYL- TRANSFERASES: 1440, 2540
RNA POLYMERASE: 786, 864, 1330, 1443, 1914
RNA, RIBOSOMAL: 896, 1167, 1287, 2642, 3612, 3727, 3873, 4089
RNA, TRANSFER: 1249, 1303, 1440, 2642, 3217, 3350, 3873, 3879
RNA, VIRAL: 883
RNA VIRUSES: 4272
RODENT DISEASES: 426, 1229, 4209
RODENTS: 635, 2180, 3115, 3216, 3443, 3541, 3554, 4069, 4353
ROLE: 1626
ROSACEA: 552, 3957, 4429
ROSANILINE DYES: 19, 1742
ROSE BENGAL: 3623
ROTATION: 3171
ROTENONE: 452, 1144, 2918, 3398
ROUS SARCOMA VIRUS: 340
RUBELLA: 1316, 2038
RUBELLA VIRUS: 4146
RUBIDIUM: 1610
RUBINSTEIN-TAYBI SYNDROME: 2476
RUMEN: 3097, 4141
RUPTURE: 621, 1028, 2472, 2980
RUPTURE, SPONTANEOUS: 1100, 1309, 1586, 2623, 2793
RURAL POPULATION: 2579
RUSSIA (PRE-1917): 1910, 3051
RUSSIAN FEDERATION (ASIA): 1431
RUTHENIUM: 3033
RUTIN: 418
RWANDA: 937
SACCHAROMYCES: 2658
SACCHAROMYCES CEREVISIAE: 953, 1223, 1303, 1609, 3919
SACROCOCCYGEAL REGION: 3765
SACROILIAC JOINT: 4406
SACRUM: 2376
SALAMANDERS: 751, 1169, 3518-3519
SALICYLAMIDES: 1269, 1590
SALICYLATES: 3, 381, 533, 2026, 2714, 3689, 3839, 4269, 4415
SALICYLAZOSULFAPYRIDINE: 114, 2067, 2601
SALICYLIC ACID: 3, 2376, 3689
SALIVA: 141, 223, 870, 1931, 2997, 4035
SALIVARY GLAND DISEASES: 3834
SALIVARY GLAND FISTULA: 4289
SALIVARY GLANDS: 660, 1500, 1895, 2755, 2927, 3137, 3551, 3868, 4037
SALMON: 194, 3462
SALMONELLA: 3653
SALMONELLA INFECTIONS, ANIMAL: 4068
SALMONELLA TYPHIMURIUM: 2292
SALMONELLA TYPHOSA: 4339
SALMONIDAE: 668, 1165, 1647, 2362, 2450, 4272
SALPINGITIS: 1270
SAMPLING STUDIES: 673, 1517, 3500
SAPHENOUS VEIN: 1228, 2281, 2884
SARCOIDOSIS: 137, 355, 387, 1069, 1441, 1788, 3757, 3834, 4003, 4105
SARCOLEMMA: 304
SARCOMA: 11, 1130, 1810, 1834, 1875, 2128, 2383, 3328, 3643, 3791, 4437
SARCOMA 180, CROCKER: 153, 3382, 3823
SARCOMA, EXPERIMENTAL: 265, 736, 1919, 2416
SARCOMA, JENSEN: 2111
SARCOMA, KAPOSI'S: 4026
SARCOMA, MAST CELL: 3048, 3908
SARCOMA, OSTEOGENIC: 340
SARCOMA, RETICULUM CELL: 1338, 2040, 2810, 3597, 3937, 4105, 4441
SARCOMA, YOSHIDA: 3791, 3823
SARCOPLASMIC RETICULUM: 430, 782, 912, 1007, 1247, 1516, 1902, 2282, 2399, 2484, 2558, 2749, 2891, 3660, 3792, 3843
SARCOSINE: 3163
SATIATION: 1331, 2923
SCALENUS ANTICUS SYNDROME: 2786, 3674
SCALP: 96, 346, 606, 1916
SCAPULA: 637, 2202, 3261
SCATTERING: 2928
SCHEUERMANN'S DISEASE: 130
SCHISTOSOMA HAEMATOBIUM: 1682, 4169
SCHISTOSOMA MANSONI: 1656, 1682
SCHISTOSOMIASIS: 1682, 4169
SCHIZOPHRENIA: 504, 1276, 1567
SCHIZOPHRENIA, PARANOID: 1276
SCHWANN CELLS: 304, 793, 1636, 2268, 3066
SCIATIC NERVE: 272, 1110, 2075, 2484, 2562, 3066, 3950
SCIENCE: 4374
SCINTILLATION COUNTERS: 2138, 2666, 2750, 2792, 3291
SCLERA: 1413, 1852, 3678
SCLEREDEMA ADULTORUM: 937
SCLERODERMA, CIRCUMSCRIBED: 1214, 3061
SCLERODERMA, SYSTEMIC: 12, 1989, 2298, 3061
SCLEROSIS: 628, 1163, 3080, 3594
SCOLIOSIS: 1147, 1449, 3261
SCOPOLAMINE: 1331, 2318, 2828, 4381, 4436
SCORPIONS: 1364
SCOTLAND: 104, 436, 796, 1680, 1731, 1777, 2409, 4247, 4419
SCOTOMA: 3928
SCRAPIE: 2340, 2944
SCROTUM: 123-124, 1141, 2487, 2980
SCURVY: 579
SEA URCHINS: 563
SEALED CABIN ECOLOGY: 1049
SEASONS: 237, 278, 463, 629, 804, 1680, 1754, 1816, 1897, 2063, 2239, 2323, 2330, 2478, 2497, 2568, 3049, 3242-3243, 3537, 3901, 4128, 4258
SEAWATER: 167, 659, 2725
SEBACEOUS GLANDS: 1008, 1703, 1918, 2411, 2847
SEBORRHEA: 107, 552, 1024, 2376, 3957
SEBUM: 1008, 1703, 1918, 3905
SECOSTEROIDS: 3621
SECRETIN: 1344, 1487, 1729, 1939-1940, 2152, 2229, 3924, 3958
SECRETORY RATE: 14, 154, 576, 593, 601, 710, 728, 824, 872, 1187, 1451, 1558, 1718-1719, 1816, 1898, 2245, 2323, 2622, 2712, 2737, 2795, 3182, 3451, 3793, 3798, 3944, 4212, 4225, 4290, 4300, 4333
SELECTION (GENETICS): 2195, 3309, 3610
SELENIUM: 316, 353, 1142, 3507-3508
SELF MEDICATION: 199, 704
SELF STIMULATION: 721, 807, 866, 1407, 1948-1949, 2075, 3185, 4167
SELLA TURCICA: 485, 1930, 2060, 3910, 4424
SEMEN: 42, 174, 694, 1180, 1203, 1209, 1237-1238, 1336, 1686, 2068, 2180, 2682, 3326, 3413, 3614, 4099
SEMICARBAZIDES: 2569
SEMICONDUCTORS: 514, 2460
SEMINAL VESICLES: 92, 189, 207-208, 374, 454, 511, 642, 880, 895, 966, 979, 1284, 1791, 1796, 2031, 2185, 2317, 2319, 2342, 2459, 2676, 2764, 2783, 2980, 3011, 3342, 3501, 3912, 4124
SEMLIKI FOREST VIRUS: 2052
SENSATION: 267-268
SEPTAL NUCLEI: 529, 809, 2366
SEPTICEMIA: 76, 364, 832, 1200, 1430, 2370, 4017, 4262
SEPTUM PELLUCIDUM: 809, 1110, 1325, 1444, 1530, 1543, 2366, 2561, 2931, 3493
SERINE: 280-281, 1674, 2239, 2266, 2927, 4305
SERINE DEHYDRATASE: 2239, 3136
SERODIAGNOSIS: 620, 1200, 2111, 2659
SEROTHERAPY: 2026, 2970
SEROTONIN: 32, 109, 159-160, 184, 231, 244, 256, 280-281, 315, 320, 358, 360, 378, 395, 409, 470, 551, 561-563, 603, 695, 711, 722, 765, 829, 862, 868, 873, 925, 942, 1023, 1029, 1032, 1035, 1041, 1063, 1076, 1092, 1109, 1198, 1209, 1214, 1228, 1230-1232, 1243, 1252, 1277, 1284, 1293-1294, 1351, 1366, 1371, 1383, 1400, 1402, 1410, 1415-1416, 1438, 1466, 1492, 1535, 1537, 1581, 1620-1621, 1627, 1656, 1659, 1662, 1665, 1672-1673, 1687, 1713, 1761, 1803, 1814, 1836, 1921, 1961, 1995, 2020, 2127, 2139-2140, 2148, 2184, 2186, 2215, 2218, 2228, 2253, 2259-2261, 2377, 2388, 2407, 2465, 2469, 2498, 2505, 2560, 2599, 2667, 2669, 2752, 2759, 2797, 2823, 2829, 2880-2882, 2910, 2931, 2968, 2978, 2987, 3017, 3044, 3072, 3086, 3118, 3183, 3227, 3238, 3244, 3251, 3259, 3282, 3288, 3294, 3329, 3342, 3399, 3401, 3493, 3553, 3563, 3595, 3681, 3700, 3711, 3760, 3772, 3818, 3826, 3839-3840, 3842, 3959-3960, 4002, 4008, 4012, 4043, 4119, 4183, 4248, 4259, 4297, 4307, 4316, 4343, 4384

SERTOLI CELLS: 166, 522, 528, 1002, 1251, 1368, 1392, 1596, 1679, 3275, 3613-3616, 4244
SERUM ALBUMIN: 32, 334, 505, 625, 669, 660, 1537, 1768, 1632, 1635, 1655, 1962, 2097, 2232, 2262, 2723, 2603, 2657, 2962, 3172, 3266, 3358, 3686, 3876, 4101, 4163, 4165, 4258
SERUM ALBUMIN, BOVINE: 50, 311, 572, 677, 966, 1040, 1374, 1926, 2000, 2494, 2611, 2760, 2669, 3704, 4035, 4046, 4165
SERUM ALBUMIN, RADIO-IODINATED: 334, 466, 508, 665, 1768, 3358, 3776
SERUM GLOBULINS: 32, 590, 776, 760, 960, 1962, 3135, 3372, 4352
SERUM SICKNESS: 4415
SERYLTRIHYDROXY BENZYLHYDRAZINE: 281, 409, 1209
SEVIN: 2705
SEX: 6425
SEX BEHAVIOR: 367, 526, 775, 1250, 3001, 4207, 4277
SEX BEHAVIOR, ANIMAL: 227, 280-281, 510, 644, 745, 609, 944-945, 972, 1284, 1703, 1754, 2316, 2762, 3126, 3216, 3276, 3550, 3555, 3917, 4216
SEX CHARACTERISTICS: 103, 371, 1166, 2195, 2593, 3613, 3920, 4360
SEX CHROMATIN: 120-121, 401, 605, 717, 662, 886, 1302, 1361, 1664, 1723, 1742, 1977, 2087, 2210, 2439, 2791, 3099, 3390-3391, 3443, 3596, 3965, 4034, 4238
SEX CHROMOSOME ABNORMALITIES: 195, 277, 375, 429, 530, 600, 605, 686, 911, 996, 1017, 1074, 1123, 1211, 1270, 1361-1362, 1426, 1664, 1699, 1755, 1626, 2225, 2368, 2454, 2869, 3022, 3220, 3391, 3526, 3529, 3867, 4034, 4136, 4360
SEX CHROMOSOMES: 16, 88, 120, 157, 195, 283, 324, 326, 393, 530-531, 597, 605, 634-635, 657, 717, 876, 900, 915, 1034, 1072, 1168, 1166, 1193, 1207, 1320, 1365, 1500, 1582, 1600, 1634, 1707, 1744, 1755, 1665, 1905, 2080, 2067, 2160, 2332, 2371, 2412, 2428, 2466, 2490, 2536, 2581, 2755-2756, 2791, 2624, 2940, 2984, 3006, 3022, 3038, 3093, 3117, 3121, 3137, 3146, 3153, 3212, 3220, 3229, 3239, 3267, 3381, 3419, 3464, 3486, 3533, 3541, 3613, 3661, 3676, 3763, 3794, 4034, 4126, 4146, 4261, 4263, 4298, 4353, 4388, 4446
SEX DETERMINATION: 16, 405, 526, 530, 622, 653, 1361, 1677, 2210, 2455, 3004, 3438, 4298
SEX DEVIATION: 397, 1250, 3687, 3874, 4207
SEX DIFFERENTIATION DISORDERS: 490, 526, 653, 1272, 1723, 1744, 2368, 2486, 2664, 2766, 3099, 3390
SEX DISORDERS: 432, 2763
SEX EDUCATION: 2586, 4277
SEX FACTORS: 43, 64, 119, 208, 216, 227, 234, 262, 306, 401, 403, 417, 427, 436, 439, 482, 511, 526, 621, 665, 665, 660, 672, 1199, 1316, 1370, 1454, 1479, 1483, 1616, 1663, 1714, 1748, 1761, 1770, 1643, 1926-1927, 1951, 1966, 2063, 2083, 2122, 2159, 2376, 2439, 2480, 2526, 2593, 2678, 2709-2710, 2716, 2775, 2806, 2663, 3005, 3008, 3022, 3034, 3070, 3088, 3100, 3121, 3143, 3146, 3222, 3263, 3297, 3323, 6376, 3416, 3438, 3464, 3508, 3529, 3561, 3580, 3582, 3610, 3706, 3721, 3892, 4011, 4029, 4113, 4207, 4243, 4253, 4258, 4269-4270, 4311, 4345, 4371, 4423-4424
SEX HORMONES: 664, 956, 1027, 1301, 2730, 2821, 3135, 3145, 3319, 3360, 3646, 4083, 4215, 4311, 4314, 4340, 4374
SEX OFFENSES: 775, 1250
SEX RATIO: 1616, 3267, 3309, 4166
SHARKS: 1697, 1587, 4248
SHEEHAN'S SYNDROME: 46, 554, 2949, 2956, 3010, 3599
SHEEP: 2, 52-55, 97, 176, 164, 237, 242, 285, 372, 446, 484, 524, 571-572, 625-626, 666, 694, 710, 728, 740, 603, 672, 687, 944-945, 966, 975, 1040, 1224, 1248, 1385, 1472, 1480, 1516, 1556, 1658, 1704, 1716, 1721, 1754, 1659, 1926, 1982, 2005, 2086, 2124, 2195-2196, 2264, 2283, 2261, 2293, 2330, 2337, 2340, 2358, 2427, 2433, 2496, 2515-2516, 2527, 2660-2661, 2716, 2748, 2760, 2813-2814, 2916, 2933, 2944, 2657, 2972, 3012, 3146, 3164, 3343-3345, 3358, 3365, 3501, 3513, 3549, 3576-3577, 3582, 3790, 3796, 3842, 3869, 4076, 4214, 4223, 4250-4251, 4290, 4292, 4352, 4386-4367, 4445, 4448
SHEEP DISEASES: 436, 1133, 2124, 2337, 2813-2814, 2944, 4356-4357
SHIGELLA DYSENTERIAE: 1105
SHIVERING: 1717, 2331, 2962
SHOCK: 1273, 1974, 2336, 2543, 3766, 4332
SHOCK, CARDIOGENIC: 1942, 2446, 3045, 3284
SHOCK, ENDOTOXIC: 1464, 1574, 1589, 2607, 4068, 4262
SHOCK, HEMORRHAGIC: 563, 643, 1092, 1586, 1645, 2607
SHOCK THERAPY: 4
SHOCK, TOXIC: 1996, 3284, 4023
SHOCK, TRAUMATIC: 2665
SHOES: 468
SHOULDER: 909, 3674
SHOULDER JOINT: 909
SHRIMP: 2144
SHWARTZMAN PHENOMENON: 260, 301, 1547, 2336
SIBLING RELATIONS: 1626
SIDEROSIS: 2190
SIGMOID: 2176
SILAGE: 501, 1271
SILICA: 37, 640, 2736
SILICATE CEMENT: 290
SILICONE ELASTOMERS: 3123, 3882
SILICONES: 2975, 4330
SILKWORMS: 950
SILO FILLER'S DISEASE: 3480
SILVER: 648, 3579
SILVER NITRATE: 2986
SINGAPORE: 1944
SINUSITIS: 1661, 2175, 3644, 4147
SITOSTEROLS: 1701, 3783
SJOGREN'S SYNDROME: 2417, 3834
SKELETON: 2444
SKIN: 3, 127, 288, 324, 806, 973, 1034, 1099, 1130, 1188, 1214, 1242, 1286, 1324, 1360, 1404, 1426, 1504, 1547, 1558, 1685, 1885, 1616, 1938, 1998, 2087, 2161, 2167, 2333, 2372, 2412, 2432, 2435, 2607, 2783, 2787, 2791, 2816, 2853, 2900, 2912, 2936, 2951, 2974, 3052, 3056, 3066, 3122, 3153, 3288, 3338, 3355, 3366, 3416, 3455, 3739, 3860, 3882, 4062, 4103, 4126, 4146, 4166, 4203, 4259, 4414, 4426
SKIN ABSORPTION: 752, 1122, 1280, 1504, 2376, 3455
SKIN APPENDAGE DISEASES: 1347
SKIN DISEASES: 12, 1024, 1348, 1357, 1393, 1625, 1969, 2376, 2432, 2557, 2769, 2847, 2896, 2951, 3061, 3406, 3739, 4026, 4125, 4429
SKIN DISEASES, INFECTIOUS: 2376, 4017
SKIN MANIFESTATIONS: 64, 772, 3077
SKIN NEOPLASMS: 438, 621, 764, 1519, 1636, 1612, 2017, 2022, 2267, 2383, 3348, 3385, 4026, 4147, 4203
SKIN TEMPERATURE: 1717, 2034, 2432, 2787
SKIN TESTS: 137, 620, 741, 1214, 1441, 1546, 1570, 1631, 1713, 2000, 2071, 2347, 2390, 2984, 3000, 3670, 4166
SKIN ULCER: 67, 552
SKINFOLD THICKNESS: 734, 4366
SKULL: 145, 637, 1529, 1975, 2450, 2567, 2607, 2677, 2811, 2982, 3171, 3261, 3408, 3438, 3440, 3756, 3762, 3836, 3862, 4116-4117
SKULL FRACTURES: 589, 1028
SLEEP: 281, 769, 1384, 2841, 2942, 3397, 3858, 3892, 3971, 4012, 4274
SLEEP DISORDERS: 993, 1222, 1476, 2162, 2841
SLEEP, REM: 2841, 4098
SLEEP STAGES: 2841, 2942-2943
SMELL: 665, 2258, 3905
SMOKE: 2543
SMOKING: 226, 333, 449, 483, 1217, 1619, 3014-3015, 3500, 3807, 4281, 4440
SNAILS: 440, 942, 2880, 3826, 4183
SNAKE BITES: 1329
SNAKES: 50, 2173, 2975, 3517
SNEEZING: 2175
SOCIAL ADJUSTMENT: 3139
SOCIAL BEHAVIOR: 1626, 2851, 3126, 3139, 4168
SOCIAL BEHAVIOR DISORDERS: 277, 3139, 3529, 4360
SOCIAL CLASS: 2041, 2602, 4296
SOCIAL CONDITIONS: 2503
SOCIAL DOMINANCE: 1626
SOCIAL ENVIRONMENT: 3079, 4274
SOCIAL ISOLATION: 308, 1351, 1626, 2434, 3126, 3493, 3687
SOCIETIES: 4438
SOCIETIES, MEDICAL: 3334
SOCIOECONOMIC FACTORS: 508, 1806, 2038, 2042, 2392, 3715, 4271
SOCIOPATHIC PERSONALITY: 277, 935, 2524
SODIUM: 9, 15, 27, 36, 135, 167, 180, 191, 236, 288, 310, 346, 460, 473, 503, 532, 546, 551, 606, 748, 761, 787, 641, 902, 967, 976, 995, 1043, 1049, 1051, 1122, 1137, 1213, 1233, 1268, 1321, 1341, 1386, 1425, 1462, 1488, 1510, 1606, 1660, 1696, 1716, 1753, 1783, 1670, 1685, 1925-1926, 1675, 1965, 2092, 2108-2109, 2119, 2121, 2123, 2147, 2162, 2183, 2240, 2273, 2277, 2284, 2315, 2323-2324, 2488, 2558, 2563, 2575, 2604, 2606, 2701, 2721, 2855-2856, 2891-2892, 2920, 2955, 3032, 3053-3054, 3134, 3159, 3201, 3299, 3315-3316, 3335, 3352, 3407, 3436, 3444, 3446, 3451-3452, 3537, 3570, 3576, 3598, 3650, 3672, 3684, 3710, 3744, 3779, 3825, 3835, 3876, 3955, 3962, 3971, 4053-4054, 4086, 4122, 4143, 4155, 4158, 4176, 4233, 4265, 4370
SODIUM CHLORIDE: 72, 91, 384, 476, 524, 529, 770, 796, 697, 699, 906, 1217, 1295, 1406, 1589, 1783, 1672, 2048, 2116, 2231, 2284, 2341, 2499, 2855, 2936, 3134, 3293, 3335, 3573, 3576, 3656, 4150, 4370
SODIUM DODECYL SULFATE: 51, 229, 243, 716, 740, 896, 1609, 1780, 2913, 3638, 3775, 3815, 4117
SODIUM ETIDRONATE: 4033, 4422
SODIUM HYDROXIDE: 1046, 2952, 3304
SODIUM ISOTOPES: 346, 460, 1122, 1985, 2324, 3446, 4122
SODIUM SALICYLATE: 3450
SOIL: 1342
SOLUBILITY: 388, 416, 632, 650, 696, 938, 1077, 1312, 1564, 1678, 1901, 2029, 2135, 2173, 2241, 2652, 2721, 2768, 2797, 3681, 3815, 3913, 3919, 4165
SOLUTIONS: 388, 475, 1328, 1504, 2769, 2955, 3576
SOLVENTS: 438, 668, 1282, 1504, 2170, 2278, 3034, 3981, 4286
SOMATOMEDIN: 661, 1502, 1632, 3624, 3888
SOMATOSENSORY CORTEX: 604, 1110
SOMATOTROPIN: 43, 53, 61, 128, 167, 213, 305, 345, 415, 430-431, 485, 465, 557, 649, 652, 691, 694, 716, 734-735, 740, 769, 783, 794, 836, 657, 1078, 1114, 1152, 1308, 1365, 1384-1385, 1390, 1490, 1502, 1552, 1558, 1560, 1563, 1587, 1776, 1625, 1852, 1650, 1862, 1887, 1891, 1963, 2171, 2201, 2264, 2387, 2403, 2414, 2419-2420, 2474, 2506, 2533, 2660, 2673, 2684, 2833, 2841, 2893, 2901, 2930, 2932, 2950, 2956, 3043, 3073, 3130, 3148, 3174, 3184, 3204, 3230, 3258, 3307, 3315-3316, 3316, 3322, 3349, 3370, 3435, 3569, 3576, 3607, 3624, 3632, 3696, 3793, 3798, 3808, 3844, 3869, 3875, 3923, 3951, 3961-3962, 4047, 4075-4076, 4148, 4217, 4274, 4312, 4395, 4454
SOMATOTYPES: 1000, 2069-2070, 4269
SORBITOL: 352, 4447
SOUND: 2677
SOUTH AFRICA: 903, 2190, 3376
SOUTH AMERICA: 2246
SOY BEANS: 966, 1701, 3783
SPACE FLIGHT: 1049
SPAIN: 1060
SPARGANOSIS: 3316
SPASM: 2920
SPATIAL BEHAVIOR: 3126
SPECIAL LIST DENTAL: 1201, 1522, 3380, 4037
SPECIAL LIST FOREIGN: 130, 375, 585, 2616, 3001-3002, 3167, 3310, 3834, 3990
SPECIAL LIST NURSING: 664, 971, 1745, 2265, 2406, 2776, 3099, 3534, 3631, 3697, 4142
SPECIAL LIST REPRODUCTION: 50, 72, 102, 207, 246, 248, 475, 516, 572, 642, 733, 783, 611-815, 964, 966, 1197, 1306, 1436, 1485-1486, 1629, 1791, 1839, 2002, 2235-2236, 2248, 2251, 2278, 2493-2494, 2840, 2869, 2898, 3050, 3394, 3514, 3566, 3583, 3616, 3680, 3749-3750, 4184, 4250-4251, 4263, 4369, 4451
SPECIALTIES, MEDICAL: 3168, 3334
SPECIES SPECIFICITY: 152, 272, 372, 440, 567, 647, 651, 778, 628, 1101, 1129, 1161, 1397, 1538, 1751, 1953, 2066, 2180, 2264, 2292, 2545, 2626, 2644, 2691, 2719, 2730, 2745, 2779, 2892, 2895, 2978, 3137, 3151, 3551, 3628, 3783, 4169
SPECIFIC GRAVITY: 1533, 2337
SPECIMEN HANDLING: 2379
SPECTROPHOTOMETRY: 32, 37, 115, 430, 567, 591, 668, 616, 961, 1040, 1077, 1062, 1139, 1144, 1378, 1478, 1485, 1700, 1901, 2138, 2465, 2513, 2749, 2802, 2952, 3566, 3577, 3919, 4010, 4060, 4192, 4252
SPECTROPHOTOMETRY, ATOMIC ABSORPTION:

614, 640, 1653, 1792, 2337, 2725, 3005, 3289, 3473, 3710
SPECTROPHOTOMETRY, INFRARED: 167, 256, 681, 706, 1082, 2736, 3621, 3651, 3981
SPECTROPHOTOMETRY, ULTRAVIOLET: 258, 668, 681, 708, 677, 696, 1070, 1077, 1263, 1275, 1422, 1506, 2029, 2121, 2362, 2540, 2617, 2656, 2679, 2895, 3297, 3621, 3706, 3890, 4162, 4369
SPECTRUM ANALYSIS: 359, 681, 643, 1159, 1649, 2216, 2877, 2955, 3154, 3855, 3897
SPEECH DISORDERS: 1507, 2011, 2966, 3423, 4360
SPERM CAPACITATION: 2180, 2628, 3277
SPERMATIC CORD: 1196, 1799, 3007
SPERMATIC CORD TORSION: 2671
SPERMATOGENESIS: 42, 123-124, 156, 173, 169, 200, 208, 286, 432, 522, 578, 880, 926, 1002, 1176, 1160, 1368, 1480, 1707, 1779, 1604, 1853, 2006, 2053, 2074, 2165, 2362, 2368, 2647, 2649, 2682, 2713, 3047, 3275, 3326, 3333, 3407, 3425, 3567, 3601, 3613-3617, 3898, 3910, 3967, 4050-4051
SPERMATOZOA: 127, 174, 200, 243, 522, 544, 833, 1002, 1168, 1178, 1203, 1368, 1394, 1480, 1550, 1576, 1582, 1781, 1795, 1604, 1830, 1842, 1904, 1979, 1997, 2068, 2160, 2198, 2259, 2293, 2628, 2638, 2649, 2682, 2875, 2924, 3003, 3267, 3275, 3277, 3326, 3567, 3617, 3646, 3680, 3753, 4232
SPERMIDINE: 942
SPERMINE: 942
SPHENOID BONE: 954, 2060, 3221
SPHENOID SINUS: 56, 1075
SPHINGOLIPIDS: 2269
SPHINGOMYELINS: 2269, 2771, 2958, 3194, 3693
SPINA BIFIDA: 1025, 1603, 2037, 3261, 3522
SPINAL CANAL: 1573
SPINAL CORD: 164, 231, 360, 389, 604, 854, 1036, 1301, 1952, 2249, 2429, 2787, 2904, 3081, 3779
SPINAL CORD COMPRESSION: 4385
SPINAL CORD DISEASES: 1301, 1763, 2584, 4233
SPINAL CORD INJURIES: 457, 1429, 4239
SPINAL DISEASES: 44, 1790, 1792, 2202, 3674, 3831, 4011, 4409
SPINAL INJURIES: 2556
SPINAL NERVE ROOTS: 1573, 2007, 4057, 4128
SPINAL NERVES: 3007
SPINAL OSTEOPHYTOSIS: 1790
SPINE: 319, 637, 2597, 2607, 2811, 2928, 3836
SPINOTHALAMIC TRACTS: 604
SPIRO COMPOUNDS: 493, 986, 1064, 1945
SPIROMETRY: 387, 993, 1143, 2386, 3016, 3080, 3480
SPIRONOLACTONE: 9, 995, 1051, 1175, 1681, 2108, 2224, 2679, 3026, 3432, 3437, 3512, 3578, 3867, 4261
SPIROSTANS: 4040
SPLANCHNIC NERVES: 1382, 4196
SPLEEN: 20, 29, 60, 76, 122, 142, 285, 312, 327, 337, 352, 632, 647, 649, 690, 662, 929, 964, 1034, 1069, 1097, 1136, 1289, 1324, 1333, 1350, 1412, 1414, 1457, 1562, 1582, 1624, 1725, 1739, 1809, 1836, 1956, 1998, 2006, 2044, 2056, 2132, 2283, 2358, 2374, 2378, 2546, 2607, 2705, 2874, 2933, 3132, 3167, 3343-3344, 3419, 3483, 3498, 3568, 3674, 3739, 3790, 3811, 3823, 3888, 3950, 4013, 4040, 4100, 4110, 4270, 4339
SPLENECTOMY: 78, 122, 142, 439, 649, 632, 904, 929, 1289, 1519, 1836, 2416, 3042, 3899, 3948, 4418
SPLENIC DISEASES: 4270
SPLENIC NEOPLASMS: 4270
SPLENIC RUPTURE: 1626, 4270
SPLENOMEGALY: 49, 1682, 2283, 2419, 2471, 2811, 3132, 4418
SPLENOPORTOGRAPHY: 4270
SPLINTS: 468, 1240, 1873
SPONDYLITIS, ANKYLOSING: 81, 1846, 1962, 2046, 4269, 4406
SPONDYLOLISTHESIS: 1413
SPORES: 3045
SPORES, BACTERIAL: 2111
SPORES, FUNGAL: 843, 3045
SPORT MEDICINE: 1195, 3808
SPORTS: 2677, 4015, 4295
SPRUE: 2417, 3032
SPUTUM: 1514, 2390, 2531, 2825
SQUALENE: 331
SQUID: 51, 1525
SRS-A: 395
STAINS AND STAINING: 19, 120, 230, 290, 531, 605, 635, 848, 859, 878, 886, 1224, 1245, 1251, 1401, 1555, 1600, 1517, 1654, 1564, 1599, 1742, 1807, 1953, 1976, 1979, 2084, 2087, 2099, 2216, 2311, 2591, 2605, 2634, 2712, 2746, 2757, 2864, 3008, 3012, 3125, 3253, 3364-3365, 3442, 3546, 3579, 3753, 3799, 3829, 3859, 3869, 3950, 4016, 4034, 4077, 4317, 4352
STANOLONE: 252, 348, 427, 606, 1564, 1672, 2598, 2684, 3281, 3556, 3796, 4333
STANOZOLOL: 1622
STAPHYLOCOCCAL INFECTIONS: 76, 1545, 2552, 3644, 4262, 4324
STAPHYLOCOCCUS: 953, 2132, 2288, 3131, 4314
STARCH: 24, 37, 3424, 4159
STARTLE REACTION: 2366
STARVATION: 176, 178, 1434, 1585, 1733, 2954, 3174, 3503, 3973
STATE MEDICINE: 4377
STATISTICS: 10, 66, 1164, 1298, 1544, 1579, 1858, 2358, 3147, 3504-3505, 3699, 3742, 3877, 3920, 4280
STATOLON: 2052
STEARIC ACID: 37
STEIN-LEVENTHAL SYNDROME: 396, 434, 613, 2150, 3709, 3732, 3991, 4104
STELLATE GANGLION: 2147, 3705
STEREOISOMERS: 209, 258, 647, 1960, 2243, 2355, 2493, 3713, 3837, 3944, 4314
STEREOTAXIC TECHNICS: 145, 529, 721, 759, 807, 866, 1080, 1530, 1549, 2524, 2561, 2732, 3185, 3221, 3424, 3513, 4067, 4210
STERILITY: 326, 573, 1336, 1976, 2745, 3334, 4456
STERILITY, FEMALE: 68, 60, 376, 396, 434, 584, 638, 682, 743, 776, 785, 1091, 1133, 1270, 1336, 1583, 1761, 1911, 1957, 1971, 2044, 2700, 2879, 3324, 3768, 3816, 3852, 3881-3882, 4260, 4291, 4351, 4401, 4456
STERILITY, MALE: 7, 42, 60, 174, 483, 522, 633, 1112, 1178, 1195, 1336, 1394, 1596, 1686, 1642, 2008, 2198, 2368, 2649, 2713, 2795, 3202, 3313, 3326, 3540, 3613, 3615-3616, 3967-3968, 4030, 4456
STERILIZATION: 2455
STERILIZATION, SEXUAL: 71, 573, 575, 1011, 2422, 3228, 4438
STERILIZATION, TUBAL: 575, 743, 1583
STERNUM: 637, 3411, 3673
STEROID HYDROXYLASES: 1901, 2003, 2334, 2646, 3942
STEROIDS: 67, 107, 110, 411, 487, 517, 616, 634, 1052, 1200, 1300, 1483, 1608, 1749, 1672, 1914, 1945, 2016, 2082, 2170, 2180, 2220, 2234, 2276, 2288-2289, 2528, 2710, 2825, 2977, 3033, 3382, 3512, 3716, 3763, 3791, 3833, 3857, 3889, 4128, 4152, 4249, 4286, 4382
STEROLS: 242, 348, 1223, 1701, 1749, 2302, 2842, 3821, 3919, 4333
STIGMASTEROL: 1701
STILBENES: 46, 342, 3161, 4450
STIMULATION, CHEMICAL: 5, 109, 216, 246, 343, 406, 409, 415, 509, 545, 557, 694, 728, 767, 785, 826, 884, 936, 947, 964, 998, 1020, 1064, 1109, 1137, 1169, 1187, 1197, 1230-1232, 1374, 1428, 1450, 1495, 1523, 1538, 1550, 1588, 1646, 1660, 1672, 1677, 1721, 1829, 1843, 1911, 1913, 1921, 1982, 2002, 2009, 2188, 2206, 2232, 2248, 2293, 2318, 2387, 2462, 2507, 2520, 2642, 2646, 2716, 2737, 2758, 2763, 2795, 2818, 2842-2843, 2941, 2956, 3122, 3141, 3213-3214, 3223, 3324, 3393-3394, 3450, 3466, 3496, 3576, 3582-3583, 3599, 3624, 3659, 3787, 3798, 3809, 3829, 3842, 3850-3851, 3890, 3912, 3914, 3951, 4004, 4076, 4092, 4219, 4221-4222, 4300, 4303-4304
STOMACH: 93, 684, 964, 1136, 1457, 1711, 2087, 2544, 2789, 2828, 3183, 3227, 3377, 3773-3774, 3783
STOMACH, AVIAN: 2706
STOMACH DISEASES: 1836, 3091
STOMACH NEOPLASMS: 720, 1337, 1604, 1951, 1981, 2383, 3290, 4132, 4398
STOMACH ULCER: 656, 754, 1424, 1711, 1876, 2032, 2349, 2620, 3377, 3773, 4365
STOMATITIS: 833, 941
STOMATITIS, APHTHOUS: 941, 3718
STREPTOCOCCAL INFECTIONS: 4262
STREPTOCOCCUS: 1670, 4416
STREPTOKINASE: 832
STREPTOMYCIN: 213, 1401, 1958, 3458, 4156, 4401
STREPTOZOTOCIN: 135, 1109, 3923
STRESS: 56, 85, 445, 705, 735, 839, 1057, 1120, 1154, 1568, 1699, 1663, 1974, 1982, 2006, 2036, 2114, 2192, 2382, 2491, 2726, 2752, 2962, 3109, 3143, 3222, 3235, 3619, 3668, 3773, 3850, 3906, 3962, 4039, 4205, 4316, 4385
STRESS, MECHANICAL: 2018, 2460, 2921, 3569, 3735, 4103
STRESS, PSYCHOLOGICAL: 992, 1616, 1636, 2274, 2486, 3892, 3997, 4196, 4381
STRONGYLOIDIASIS: 2825, 3085
STRONTIUM: 382, 912, 2699, 2831, 3291, 3695
STRONTIUM ISOTOPES: 319, 617, 1709, 1989, 2045-2046, 2105, 2699, 3291, 3695, 3977, 4214, 4231, 4452
STROPHANTHIN: 1607
STRUCTURE-ACTIVITY RELATIONSHIP: 38, 152, 219, 289, 708, 764, 616, 951, 953, 1022, 1101, 1275, 1509, 1515, 1666, 1671, 2009, 2241, 2493, 2513, 2558, 3076, 3160, 3382, 3460, 3476, 3711, 3919, 3935, 4091, 4227, 4305
STUTTERING: 4169-4190
STYRENES: 3411, 4216
SUBARACHNOID HEMORRHAGE: 2464, 2663, 4343
SUBARACHNOID SPACE: 1930, 2249
SUBCELLULAR FRACTIONS: 215, 336, 357, 515, 1174-1175, 1319, 1551, 1564, 1672, 1704, 1725, 2243, 2580, 2596, 2678-2679, 3086, 3217, 3376, 3628, 3843, 3857, 3908, 4124, 4177
SUBCLAVIAN ARTERY: 1346, 4239
SUBCLAVIAN VEIN: 4239
SUBLINGUAL GLAND: 2997
SUBMANDIBULAR GLAND: 176, 208, 427, 485, 2975, 2997
SUBMARINE MEDICINE: 659
SUBSTANCE P: 3081
SUBSTANTIA NIGRA: 40, 2400, 2498, 3081
SUBTRACTION TECHNIC: 353
SUCCINATE DEHYDROGENASE: 39, 528, 1363, 1424, 1460, 2109, 2453, 2473, 3666, 3942
SUCCINATES: 152, 755, 1144, 1926, 1960, 2062, 2938, 3650, 3690, 3843, 4252, 4328
SUCCINIMIDES: 3706
SUCCINYLCHOLINE: 155, 2335
SUCRASE: 2658
SUCROSE: 5, 1065, 1601, 2049, 2324, 2934, 3201, 3638, 3889, 3950
SUGAR ACIDS: 647
SUGAR ALCOHOLS: 352
SUICIDE: 3687
SULFACETAMIDE: 245
SULFADIAZINE: 143, 1372
SULFAMETHAZINE: 245
SULFAMETHOXAZOLE: 1401, 3813
SULFANILAMIDE: 1012, 2143
SULFATASES: 1565, 1765-1766, 3158
SULFATES: 474, 614, 1052, 1228, 1632, 1684, 1749, 2013, 2097, 2170, 2733, 2795, 2892, 3340, 3624, 3930-3931, 4076
SULFATIDES: 1684, 2269, 2834, 3194
SULFENIC ACIDS: 2698
SULFHYDRYL COMPOUNDS: 1077, 2580, 2974, 3667, 3737, 3802, 4110
SULFHYDRYL REAGENTS: 2243, 3924
SULFIDES: 259, 848, 1275, 1590, 3350
SULFINPYRAZONE: 4002
SULFOBROMOPHTHALEIN: 4109
SULFONAMIDES: 245, 439, 559, 708, 1492, 1888, 2028, 2616, 2781, 2959, 3969, 4249
SULFONES: 207, 1868, 2959
SULFONIC ACIDS: 3601, 4110
SULFONYLUREA COMPOUNDS: 2448, 2492
SULFUR: 261, 817, 3981
SULFUR DIOXIDE: 2543
SULFUR ISOTOPES: 125, 691, 1632, 2238, 2287, 2666, 3290, 3624, 4078, 4117
SULFURIC ACIDS: 792, 1312, 1551, 1685, 2135, 2267, 2788, 2834-2835, 2972
SUNLIGHT: 1680, 2485, 3554
SUPERIOR COLLICULUS: 256, 627, 1397, 2473, 2931
SUPPOSITORIES: 246, 476, 556
SURFACE-ACTIVE AGENTS: 756, 1902, 2242, 2972, 3342, 3673, 4378
SURFACE PROPERTIES: 196, 799, 2975
SURFACE TENSION: 1922, 2935, 3950
SURGERY: 639, 752, 3168
SURGERY, OPERATIVE: 599, 703, 1375, 1855, 1950, 1966, 2710, 3064, 4001, 4336
SURGERY, ORAL: 1201, 1622
SURGERY, PLASTIC: 2926
SURGICAL INSTRUMENTS: 992, 1201, 1622, 4147
SURGICAL NURSING: 2220

SURGICAL WOUND DEHISCENCE: 1951, 3457, 4338
SURGICAL WOUND INFECTION: 689, 1056, 1200, 1439, 1951, 2233, 4336
SUSPENSIONS: 3573
SUTURE TECHNICS: 1951, 4228, 4290
SUTURES: 689, 2693, 2727
SV40 VIRUS: 650, 3008, 3927
SWEAT: 2847, 3299, 3876
SWEAT GLANDS: 2847, 3393, 3876
SWEATING: 1426, 2182, 2415, 2847, 3424, 3876
SWEDEN: 302, 1172
SWIMMING: 2530, 3808
SWINE: 194, 359, 427, 509, 593, 605, 686, 694, 740, 766, 887, 901, 998, 1101, 1156, 1248-1249, 1442, 1568, 1588, 1883, 1953, 1995, 2021, 2095, 2264, 2299, 2302, 2335, 2493-2494, 2780, 2819, 2900, 3011, 3013, 3184, 3217, 3340, 3364, 3408, 3413, 3426, 3431, 3523, 3629, 3819, 3857, 3962, 3972, 4002, 4039, 4046, 4076, 4212, 4328, 4351, 4448
SWINE DISEASES: 436, 2819, 3408, 3610
SWITZERLAND: 775, 3278
SYMPATHECTOMY: 2147, 2740, 2782, 3266
SYMPATHETIC NERVOUS SYSTEM: 134, 161, 232, 465, 702-703, 919, 933, 1041, 1210, 1350, 1626, 1639, 1646, 1761, 1783, 1886, 2078, 2773, 3214, 3319, 3424, 3553, 3748, 3750, 4290, 4331
SYMPATHOLYTICS: 3325, 3393
SYMPATHOMIMETICS: 502, 1411, 1669, 1961, 2347, 3393, 3422
SYNAPSES: 126, 315, 604, 848, 1176, 1331, 2043, 2115, 2537, 3826
SYNAPTIC MEMBRANES: 2990
SYNAPTIC VESICLES: 695, 1063, 2139, 2537, 2990, 3238, 3320, 3665, 3755, 4119
SYNAPTOSOMES: 389, 695, 2020, 2139-2140, 3238, 3865, 3818, 3992, 4119
SYNCOPE: 2623, 3164, 4420
SYNDACTYLIA: 911, 1025, 1603
SYNDROME: 249, 380, 546, 589, 748, 762, 794, 888, 1377, 1412-1413, 1502, 1528, 1571, 1598, 1613, 1891, 1822, 2093, 2188, 2202, 2229, 2414, 2454, 2664, 2685, 2809, 2815, 2951, 3024, 3077, 3106, 3220, 3278, 3388, 3430, 3432, 3468, 3592-3593, 3604, 3678, 3688, 3736, 3948, 4068, 4123, 4128, 4137, 4145, 4176, 4373, 4424
SYNOVIAL CYST: 1694
SYNOVIAL FLUID: 206, 756
SYNOVIAL MEMBRANE: 355, 719, 727, 969, 1873, 2202, 2372, 2600, 3966, 4410
SYNOVITIS: 909, 969, 2025, 2600, 3654, 3966, 4410
SYPHILIS: 667, 4277
SYPHILIS, CONGENITAL: 1316
SYRINGES: 3882
TABLETS: 416, 475, 1764, 3818, 4393
TABLETS, ENTERIC-COATED: 416
TACHYCARDIA: 1756, 2304, 2321, 2868, 2872, 3246, 4376
TADZHIKISTAN: 1975
TAIL: 1003, 1038, 1548, 2412, 3411, 3860
TAIWAN: 3800
TALC: 37, 3116
TANNINS: 1460
TAPE RECORDING: 289
TARSAL BONES: 1388
TARTRATES: 2595, 3200
TASTE: 3098
TAURINE: 2031
TAUROCHOLIC ACID: 346, 356
TECHNETIUM: 353, 392, 610, 637, 666, 1447, 1611, 1710, 1824, 1941, 2079, 2415, 2824, 2659, 3067, 3211, 3288, 3290, 3779
TECHNOLOGY, RADIOLOGIC: 534, 3171, 4116
TELANGIECTASIS: 552, 2298, 3459, 4426
TELEMETRY: 874
TELENCEPHALON: 660, 848, 1917, 3896
TELEVISION: 923, 1141, 1573, 2017, 2431
TELLURIUM: 1066
TEMPERATURE: 311, 388, 500, 668, 875, 982, 1003, 1065, 1070, 1144, 1440, 1485, 1523, 1539, 1686-1687, 1700, 2204, 2232, 2243, 2278, 2380, 2422, 2425, 2433, 2502, 2558, 2942, 2955, 2957, 3017, 3038, 3178, 3218, 3241, 3570, 3700, 3702, 3722, 3753, 3955, 4046, 4064, 4272
TEMPERATURE SENSE: 1717, 2787
TEMPLATES: 786, 883, 961, 2540
TEMPORAL ARTERITIS: 477, 922
TEMPORAL BONE: 3685
TEMPORAL LOBE: 1163, 1444
TEMPOROMANDIBULAR JOINT SYNDROME: 1465, 2352
TENDINITIS: 756
TENDON TRANSFER: 2600
TENDONS: 1873, 2367
TENDONS, PARA-ARTICULAR: 1694
TENOSYNOVITIS: 1225, 4410
TERATOID TUMOR: 120, 458, 560, 1100, 1381, 1398, 1634, 1915, 1927, 2313, 2482, 2487, 2875, 2917, 3117, 3199, 3255, 3313, 3571, 3643, 3745, 3900, 4031, 4165, 4285
TERMINAL CARE: 2287
TERPENES: 1701, 2276
TERRITORIALITY: 3905
TESTICULAR DISEASES: 7, 1096, 1336, 1598, 2001, 3767, 3967-3968, 4031, 4114, 4180
TESTICULAR FEMINIZATION: 1272, 1302, 1556, 3099, 3430
TESTICULAR NEOPLASMS: 291, 417, 458, 490, 544, 838, 913, 1004, 1125, 1220, 1381, 1688, 1912, 1927, 2010, 2072, 2272, 2312-2313, 2482, 2487, 2547, 2574, 2764, 2875, 2917, 3117, 3199, 3281, 3313, 3404, 3511, 3638, 3745, 3767, 3900, 4000, 4031, 4147, 4165, 4170
TESTIS: 29, 71, 123-124, 156, 173, 189, 200, 207-208, 215, 234, 243, 337, 352, 394, 454, 478, 490, 511, 513, 528, 567, 578, 632-633, 668, 680, 690, 707, 724, 775, 829, 840, 865, 880, 926, 973, 982, 1002, 1008, 1059, 1112, 1130, 1154, 1177-1176, 1180, 1195, 1197-1198, 1203, 1246, 1284, 1298, 1314, 1324, 1345, 1368, 1381, 1392, 1394, 1480, 1495, 1539, 1544, 1601, 1650, 1686, 1700, 1707-1708, 1741, 1762, 1795-1797, 1799, 1616, 1653, 1904, 1953, 1974, 1979, 1997-1998, 2001, 2008, 2028-2029, 2053, 2068, 2074, 2095, 2165, 2195, 2234, 2268-2269, 2301, 2311, 2317, 2319, 2342, 2362, 2426, 2444, 2454, 2478, 2496, 2501, 2545, 2554, 2613, 2647, 2682, 2691, 2694, 2713, 2727, 2750, 2757, 2764, 2795-2796, 2874, 3007, 3036, 3047, 3059, 3088, 3115-3116, 3123, 3198, 3234, 3275, 3281, 3306, 3333, 3340, 3351, 3355, 3428, 3434, 3501, 3504-3505, 3540, 3555, 3567, 3592, 3601, 3613-3617, 3646, 3686, 3739, 3745, 3753, 3783, 3796, 3844, 3857, 3880, 3898, 3905, 3909, 3912, 3917, 3950, 3968, 4000, 4013, 4049-4051, 4076, 4079, 4124, 4136, 4169, 4178, 4193, 4232, 4244, 4300, 4349
TESTOSTERONE: 6, 10, 44, 92, 96, 126, 156, 171, 207-208, 227, 252, 286, 308, 346, 356, 374, 411, 427, 434, 438, 483, 489, 513, 590, 599, 643, 724, 745, 750, 776, 780, 794, 806, 616, 864, 695, 953, 979, 1008-1009, 1014, 1024, 1036, 1055, 1058, 1073, 1089, 1117, 1151, 1157, 1175, 1180, 1203, 1256, 1277, 1284, 1345, 1411, 1495, 1551, 1564, 1598, 1615, 1686, 1703, 1711, 1714-1715, 1730, 1761, 1816, 1864, 1872, 1964, 1997, 2001, 2008, 2014, 2016, 2031, 2071, 2095, 2156, 2226, 2295, 2297, 2312-2313, 2319, 2334, 2356, 2380, 2424, 2454, 2459, 2489, 2501, 2596, 2609, 2611, 2617, 2639, 2647, 2653, 2676, 2682, 2684, 2706, 2719, 2730, 2794-2796, 2806, 2834-2835, 2847, 2877, 2893, 2904, 2941, 2993, 3060, 3110, 3126, 3135, 3198, 3234, 3281, 3298, 3306-3307, 3326, 3351, 3372, 3403, 3425, 3439, 3451-3452, 3456, 3501, 3511, 3555-3556, 3562, 3584, 3646, 3671, 3686, 3708-3709, 3782, 3829, 3880, 3884, 3898, 3905, 3910, 3912, 3917, 4097, 4109, 4124, 4136, 4144, 4236, 4311, 4333, 4351, 4395
TETANUS: 1620, 2247, 3941
TETANUS ANTITOXIN: 3941
TETANY: 627, 1176, 2007, 2277, 2899, 2996, 3740, 3747, 3980
TETRABENAZINE: 32, 726, 4012
TETRACAINE: 422
TETRACYCLINE: 144, 362, 941, 1525, 1536, 2026, 2289, 2316, 2553, 2586, 3016
TETRAETHYLAMMONIUM COMPOUNDS: 2692
TETRAHYDROCANNABINOL: 931, 2192, 2260, 2319, 4127, 4167
TETRAHYDROCORTISOL: 2646, 3889
TETRAHYDROCORTISONE: 2646, 3889
TETRAHYMENA PYRIFORMIS: 1701
TETRALOGY OF FALLOT: 2664
TETRAZOLIUM SALTS: 361, 1200
TETRODOTOXIN: 422, 1364, 2692
THAILAND: 228
THALAMIC NUCLEI: 627, 1325, 1549, 1736, 1948, 3397, 3424, 4127
THALAMUS: 40, 580, 604, 759, 1397, 1407, 1444, 1672, 1699, 1917, 1948, 2249, 2325, 2662, 2931, 2942, 3424, 4098, 4174
THALASSEMIA: 742, 3301, 3794, 4173
THALIDOMIDE: 1253, 1624, 4249
THALLIUM: 1521
THECA CELL TUMOR: 628, 988, 2565
THEOPHYLLINE: 58, 346, 351, 535, 626, 663, 1039, 1169, 1174, 1435, 1531, 1674, 1716, 1766, 1666, 1947, 2106, 2153, 2158, 2164, 2435, 2447, 2562, 2567, 2657, 2824, 2910, 2934, 2937-2938, 2982, 3000, 3020, 3214, 3393, 3456, 3566, 3660, 3700, 3958, 4135, 4219, 4280, 4320
THERAPEUTICS: 3001, 3167
THERMODYNAMICS: 1311, 2957, 3269, 3291
THERMOGRAPHY: 410, 3511
THERMOLYSIN: 2292
THERMORECEPTORS: 1717, 2515, 2767
THIABENDAZOLE: 316, 1572, 2825, 3085
THIACETAZONE: 1868, 2959
THIAMINE: 2483, 2513, 3447, 3531
THIAMINE PYROPHOSPHATE: 2483
THIAZINES: 1604, 4048
THIAZOLES: 1572
THIGH: 1916
THIOCARBAMATES: 648, 1076, 1210, 3981, 4110
THIOCYANATES: 152, 167, 333, 356, 400, 449, 555, 677, 755, 628, 919, 1199, 1282, 1562, 2073, 2097, 2227, 2292, 2725, 2736, 2952, 2955, 3015, 3124, 3240, 3409, 3579, 3649, 3754, 3838, 3872, 4035
THIOGLYCOLATES: 712
THIOGUANINE: 1994
THIOHYDANTOINS: 1070, 1609, 1775
THIOMALATES: 583
THIOPENTAL: 703, 661, 1608, 3858
THIOPHENES: 1090, 2444
THIOSEMICARBAZONES: 245, 2959
THIOSULFATES: 3649
THIO-TEPA: 4107
THIOURACIL: 1422, 3350, 3879, 4321
THIOUREA: 245, 578, 686, 624, 1275, 1428, 1512, 1520, 1668, 2273, 2405, 2959, 3098, 3176, 3408, 3981
THIOURIDINE: 1440, 3350
THIRST: 1331, 2389, 2855, 3828, 4382
THORACIC ARTERIES: 466
THORACIC DISEASES: 3263, 4306
THORACIC DUCT: 1314, 4077, 4193, 4239
THORACIC INJURIES: 1526
THORACIC NEOPLASMS: 585, 801, 1044, 1471, 2704, 2728, 3597, 3707, 4398
THORACIC RADIOGRAPHY: 2664, 3103, 4071
THORACIC VERTEBRAE: 4306
THORAX: 1526, 2485
THORIUM: 2429, 3540
THORIUM DIOXIDE: 301, 2429
THROMBELASTOGRAPHY: 1349
THROMBIN: 312, 1995, 2797, 3583
THROMBOCYTOSIS: 3545
THROMBOEMBOLISM: 364, 1057, 3362, 3377, 3500, 4158, 4380
THROMBOPENIA: 364, 583, 771, 2169, 3545, 3557, 4002
THROMBOPHLEBITIS: 364, 719, 1215, 1743, 3199, 4428
THROMBOPLASTIN: 2777, 3028
THROMBOSIS: 1283, 1547, 1654, 1990, 2452, 3244, 3585, 4264, 4439
THYMECTOMY: 142, 442, 649, 805, 861, 1034, 1519, 1592, 2044, 2100, 2201, 2514, 3037, 3042, 3057, 4311, 4339
THYMIDINE: 200, 349-350, 385, 566, 616, 649, 688, 852, 678, 882, 1150, 1236, 1477, 1500, 1631, 1660, 1986, 2006, 2091, 2237, 2305, 2328, 2349, 2424, 2507, 2676, 2873, 2954, 3074, 3122, 3125, 3157, 3239, 3312, 3350, 3499, 3624, 3702, 3726, 3739, 3908, 3927, 4354
THYMIDINE KINASE: 1414, 2006
THYMINE NUCLEOTIDES: 193, 367, 393, 4261
THYMOMA: 307, 459, 805, 1584, 2100, 2272, 2514, 2620, 3305, 3561, 3746, 3817
THYMUS GLAND: 6, 29, 142, 285, 459, 615-616, 632, 649, 668, 690, 696, 732, 805, 1097, 1254, 1289, 1412, 1414, 1523, 1592, 1809, 1656, 1898, 1974, 2056, 2165, 2201, 2272, 2319, 2425, 2463, 2540, 2889, 3037, 3057, 3132, 3644, 3739, 3771, 4069, 4071, 4082, 4221
THYMUS HYPERPLASIA: 275, 459, 2837
THYMUS NEOPLASMS: 43, 275, 436, 459, 736,

605, 1592, 2100, 2272, 2468, 2514, 2620, 2888-2889, 3305, 3561, 3746, 3817, 3894
THYROCALCITONIN: 162, 194, 255, 335, 457, 1090, 1281, 1356, 1516, 1540, 1729, 1735, 2591, 2856, 2859, 2981-2982, 2994, 3084, 3197, 3232, 3364, 3371, 3435, 3462, 3647, 3856, 3862, 3961, 4033, 4212, 4257, 4384-4385, 4394, 4407, 4422
THYROGLOBULIN: 290, 617, 696, 989, 1276, 1422, 1468, 1933, 2168, 2197, 2652, 3048, 3083, 3100, 3972, 3983, 4035, 4046, 4052, 4066, 4101, 4134, 4282
THYROGLOSSAL CYST: 2769
THYROID ANTAGONISTS: 910, 1142, 1276, 1423, 1769, 2672, 2764, 3236, 3374, 4029, 4096, 4389
THYROID CRISIS: 1599, 2899, 3311, 4344, 4389
THYROID DISEASES: 198, 410, 451, 534, 540, 574, 753, 989, 1104, 1126, 1164, 1276, 1421, 1561, 1727, 1752, 2129, 2175, 2361, 2401, 2503, 2659, 2776, 3009, 3023, 3091, 3119, 3168, 3376, 3387, 3623, 3699, 3792, 3976, 4042, 4068, 4133, 4242, 4329, 4380, 4390
THYROID GLAND: 6, 76, 63, 176, 179, 163, 217-216, 290, 297, 312, 335, 359, 363, 368, 370, 391, 431, 446, 449, 466, 469, 508, 510, 514, 543, 569, 602, 649, 688, 713, 724, 726, 762, 620, 888, 692, 696, 901, 910, 977, 1003, 1019, 1030, 1066, 1127, 1139, 1195, 1249, 1276, 1358, 1422, 1427, 1470, 1510-1511, 1554, 1576, 1564, 1588, 1593-1594, 1616, 1724, 1727, 1735, 1655, 1684, 1693, 1696, 1919, 1925, 1966-1967, 1974, 2000, 2028, 2033, 2079, 2087, 2143, 2155, 2163, 2197, 2199, 2206, 2238, 2257, 2351, 2376, 2385, 2405, 2417, 2423, 2480-2481, 2492, 2511, 2560, 2591, 2626, 2631, 2652, 2693, 2731, 2770, 2789, 2796, 2812, 2846, 2851, 2857-2858, 2874, 2876, 2962, 2981, 3039, 3047-3048, 3067, 3113, 3170, 3247-3249, 3270, 3307, 3337, 3374, 3379, 3392, 3394, 3443, 3497, 3516-3519, 3586, 3606, 3673, 3677, 3699, 3714, 3799, 3810, 3813, 3851, 3856, 3861, 3873, 3901, 3943, 3945, 3976, 3982-3983, 3993, 3997, 4035, 4046, 4076, 4108, 4134, 4154, 4208-4209, 4212, 4239, 4254, 4275-4276, 4282, 4317-4316, 4320-4321, 4324, 4338, 4359, 4373
THYROID GLAND FUNCTION TESTS: 78, 83, 141, 179, 196, 225, 377, 441-442, 467, 492, 574, 602, 610, 634, 753, 794, 692, 963, 1068, 1164, 1225, 1292, 1385, 1431, 1467-1469, 1471, 1511, 1595, 1611, 1643, 1770, 1611, 1655, 1660, 1696, 1913, 2033, 2079, 2188, 2197, 2415, 2416, 2423, 2594, 2624, 2770, 2876, 2901, 3023, 3083, 3417, 3445, 3560, 3599, 3632, 4038, 4042, 4313, 4341, 4363, 4383
THYROID HORMONES: 4, 45-46, 63, 225, 259, 713, 761, 692, 1225, 1292, 1467-1489, 1576, 1770, 1605, 1621, 1967, 2168, 2199, 2335, 2416, 3174, 3193, 3270, 3286, 3341, 3435, 3484, 3491, 3901, 3911, 3966, 4042, 4061, 4096, 4173, 4253, 4320, 4445
THYROID NEOPLASMS: 43, 235, 321, 425-426, 441, 492, 534, 636, 601, 991, 1116, 1421, 1431, 1470-1471, 1554, 1594, 1610, 1651, 1657, 1610, 1919, 1961, 2017, 2036, 2051, 2163, 2206-2207, 2361, 2566, 2563, 2652, 2807, 2848, 2981, 3039, 3104, 3119, 3179, 3206, 3211, 3236, 3286, 3341, 3360, 3371, 3387, 3491, 3586, 3606, 3664, 3707, 3738, 3907, 3921, 3976, 4231, 4253, 4373, 4384, 4389, 4398, 4402, 4442
THYROIDECTOMY: 63, 90, 162, 166, 166, 194, 202, 235, 335, 399, 425, 649, 662, 724-725, 888, 991, 994, 1292, 1316, 1380, 1421, 1470-1471, 1507, 1554, 1594, 1599, 1651, 1690, 1727, 1696, 1925, 1939-1940, 2177, 2163, 2257, 2436, 2481, 2526, 2566, 2731, 2770, 2962, 3047, 3119, 3195, 3206, 3219, 3300, 3307, 3341, 3376, 3387, 3509, 3622, 3675, 3716, 3856, 3861, 3907, 3911, 3921, 4029, 4042, 4206, 4222, 4229, 4253, 4322, 4389-4390, 4445
THYROIDITIS: 76, 492, 1693, 2417, 3152, 3387, 3926, 4052, 4324
THYROIDITIS, LYMPHOMATOUS: 534, 602, 655, 664, 1094, 1162, 3374, 3376, 3387, 4388-4389
THYRONINE: 1621
THYROTROPIN: 43, 53, 63, 372, 406, 415, 449, 451, 506, 580, 566, 726, 763, 888, 1068, 1162, 1167, 1316, 1365, 1422, 1467, 1490, 1576, 1588, 1594, 1727, 1696, 1913, 2000, 2033, 2171, 2206-2207, 2382, 2387, 2414, 2631, 2673, 2770, 2857-2858, 2893, 2899, 2956, 3067, 3073, 3164, 3253, 3286, 3341, 3354, 3379, 3394, 3443, 3519, 3901, 3943, 3951, 4046, 4076, 4275-4276, 4312, 4320
THYROTROPIN RELEASING FACTOR: 406, 415, 451, 506, 566, 757, 1576, 1913, 2033, 2188, 2414, 2626, 2673, 2956, 3023, 3073, 3384, 3456, 3599, 3850, 3951, 3992, 4234
THYROXINE: 6, 78, 63, 162, 179, 194, 216, 225, 241, 259, 345, 391-392, 400, 406, 451, 469, 495, 540, 543, 715, 751, 753, 804, 647, 669, 946, 1030, 1068, 1113, 1162, 1167, 1249, 1365, 1374, 1406, 1520, 1569, 1593, 1643, 1647, 1677, 1724, 1727, 1767, 1883, 1696, 1913, 2028, 2033, 2168-2169, 2197, 2199, 2207, 2387, 2415, 2567, 2624, 2631, 2665, 2672, 2770, 2796, 2856, 2893, 2956, 3047, 3087, 3073, 3195, 3269, 3307, 3314, 3337, 3392, 3456, 3567, 3820, 3632, 3645, 3896, 3899, 3728, 3744, 3776, 3792, 3801, 3850-3851, 3901, 3951, 3961, 4035, 4038, 4088, 4133-4134, 4148, 4154, 4209, 4234, 4282, 4363, 4382, 4445
THYROXINE-BINDING PROTEIN: 63, 179, 540, 669, 1115, 1593, 1676, 2168, 2624, 2631, 2796, 3087, 3286, 3456, 3476, 3776, 4038
TIBIA: 26, 112, 292, 617, 637, 666, 808, 691, 1242, 1416, 1454, 1520-1521, 1567, 1637, 1969, 2049, 2138, 2450, 2460, 2597, 2605, 2811, 3147, 3558, 4214
TICKS: 1707
TIME FACTORS: 10, 13, 17, 28-29, 31-32, 37, 39, 47-48, 52, 54, 57, 59, 62, 71-72, 74, 79, 62, 93, 102, 108, 108, 119, 127, 131, 167, 169, 176, 163, 193, 200, 211, 221, 231, 233, 246-248, 294, 300, 311-312, 327, 329-330, 335, 345, 350, 354, 373, 386, 392, 400, 403, 421, 437, 443, 447, 451, 487, 475-476, 481, 496, 500, 506, 510, 516, 521, 524, 529, 560-562, 565, 562, 588, 593, 599, 611, 619, 626, 644, 649, 652, 685, 687-688, 693, 695, 700, 705, 716, 728, 755, 765, 767, 791-792, 800, 803, 610-814, 622, 629, 639, 645, 648-849, 852, 656, 660, 665, 675, 681, 690, 699, 901, 913-914, 916-917, 926, 936, 938, 949, 957, 975, 979-980, 984-985, 1004, 1010, 1013-1014, 1025-1026, 1030, 1035, 1053, 1087, 1080, 1099, 1101-1102, 1130, 1137, 1140, 1143, 1152, 1160, 1162, 1168-1169, 1172, 1200, 1202, 1210, 1219, 1227-1228, 1244, 1252, 1255, 1257, 1272, 1284, 1303, 1310, 1313, 1324, 1326, 1329-1330, 1332, 1350, 1357-1356, 1364, 1368-1389, 1375, 1383, 1387, 1393, 1400, 1422, 1434, 1440, 1446, 1450, 1456, 1460, 1486, 1493, 1515, 1517, 1523, 1538, 1543, 1548, 1550, 1555, 1560-1561, 1593, 1612, 1621, 1624, 1633, 1638, 1642, 1652, 1656, 1660, 1662, 1667, 1670, 1674-1675, 1677, 1680, 1685, 1689, 1693, 1698, 1704, 1716, 1751, 1753-1754, 1788, 1628, 1830, 1844, 1649, 1652, 1861, 1667, 1672, 1676, 1880, 1883, 1691, 1693, 1697, 1901-1902, 1923, 1926, 1931-1932, 1935, 1938, 1941, 1950, 1954, 1957, 1961, 1965, 1967, 2006, 2016, 2019-2020, 2035, 2043, 2052, 2063, 2065, 2067, 2076, 2085, 2096, 2104, 2123, 2130-2131, 2140, 2151-2152, 2170, 2172, 2160, 2196, 2199, 2208-2209, 2214, 2223, 2232, 2239, 2248, 2253, 2256, 2266, 2273-2274, 2299, 2301, 2325, 2331, 2341, 2351, 2354, 2362, 2367, 2399-2401, 2403, 2405, 2416, 2421, 2423, 2435, 2443-2444, 2449, 2465, 2473, 2477-2478, 2481-2482, 2496, 2499, 2506, 2539, 2542-2543, 2553, 2561, 2564, 2572, 2587, 2590, 2610-2612, 2631, 2641, 2666-2667, 2672, 2675-2676, 2680, 2684, 2698, 2703-2704, 2716, 2726, 2758, 2779, 2762, 2788 2792, 2798, 2831-2832, 2838, 2840-2841, 2869, 2874, 2876, 2884, 2897-2898, 2900, 2909-2910, 2937-2938, 2947, 2954, 2962, 2967, 2977, 2982, 2985, 2997-2998, 3015, 3021-3022, 3030, 3033-3034, 3046, 3056, 3065, 3068, 3092, 3095, 3120, 3122, 3127, 3143, 3150, 3152, 3157, 3160, 3165, 3172, 3162, 3191-3192, 3198, 3223, 3225, 3241-3243, 3248-3249, 3251, 3257-3258, 3273, 3282, 3295, 3308, 3315-3316, 3320-3321, 3326, 3331, 3346, 3386, 3392, 3397-3398, 3404, 3409, 3412, 3427, 3437, 3443, 3457, 3470, 3472-3473, 3494, 3497-3498, 3501, 3504-3505, 3510, 3514, 3519, 3524, 3539-3540, 3542-3543, 3545, 3549, 3551, 3555, 3557, 3563-3564, 3575, 3586, 3605, 3620-3621, 3828, 3630, 3648, 3665, 3872, 3676, 3682, 3689, 3691, 3700, 3705, 3711, 3714, 3719, 3721, 3739, 3772, 3782, 3789-3790, 3796, 3804-3805, 3813, 3829, 3847, 3856, 3861, 3868, 3870, 3889-3890, 3902-3903, 3908, 3920, 3925, 3930, 3939, 3943, 3946, 3956, 4002, 4021, 4035, 4040-4041, 4043, 4046, 4054, 4085, 4110, 4113, 4121, 4150, 4223, 4234, 4237, 4239, 4243, 4250-4251, 4258, 4266, 4268, 4280, 4282, 4284, 4292, 4304, 4307-4308, 4316-4317, 4328-4329, 4334, 4367, 4372
TIME PERCEPTION: 1434
TIN: 666, 3779
TINEA: 552
TISSUE CULTURE: 265, 340, 1012, 1056, 1548, 2165, 2612, 2642, 2763, 2792, 2913, 2975, 3035, 3147, 3150, 3215, 3264, 3339, 3456, 3605, 3624, 3635, 3713, 3727, 3946, 4219, 4303, 4311
TISSUE DONORS: 1134, 3724
TISSUE EXTRACTS: 127, 255, 290, 376, 696, 662, 1326, 1457, 1487, 1567, 1592, 1676, 1774, 2015, 2306, 2463, 2535, 2626, 2696, 2754, 3081, 3192, 3235, 3461, 3463, 3798, 3811, 3988, 4039, 4100, 4135, 4282
TISSUE PRESERVATION: 2299, 2603, 3722, 4045
TISSUE SURVIVAL: 57, 1134, 2603
TISSUE THERAPY: 2970
TOADS: 626, 1095, 1137, 2273, 2895
TOBACCO: 449, 3141
TOES: 1622, 3433, 3606
TOLAZAMIDE: 2683
TOLBUTAMIDE: 1108, 1204, 2572, 3323, 3468, 3804
TOLUENE: 244, 1457
TOLUIDINES: 4317
TOMOGRAPHY: 1346
TOMOGRAPHY, RADIOGRAPHIC: 275, 479, 737, 1190, 2810, 2887
TONGUE: 1412, 1613, 1933, 2812, 2876, 3096, 3125, 3673, 4316
TONGUE DISEASES: 3091
TONOMETRY: 263, 1920, 2290, 2476, 3469, 4245
TONSIL: 272, 1081
TONSILLAR NEOPLASMS: 3575
TONSILLITIS: 1056, 1081
TOOTH: 257
TOOTH ABNORMALITIES: 2951, 3747, 3875
TOOTH CALCIFICATION: 932, 2553
TOOTH ERUPTION: 3207
TOOTH EXTRACTION: 1380
TOOTH GERM: 1298
TOOTH ROOT: 257, 4139
TORSION: 1081, 3173, 3488
TORTICOLLIS: 1468
TOSYL COMPOUNDS: 1666, 2749, 3240
TOUCH: 3126, 3917, 4337
TOURNIQUETS: 719
TOXINS: 863, 2820, 3347
TOXOCARA: 318
TOXOIDS: 2820
TOXOPLASMOSIS: 2525
TOXOPLASMOSIS, CONGENITAL: 1305, 1316
TRACE ELEMENTS: 3540
TRACHEA: 1267, 2167, 2215, 2693, 2715, 2966, 3386, 3837, 4239
TRACHEAL NEOPLASMS: 279
TRACHEAL STENOSIS: 4197
TRACHEOESOPHAGEAL FISTULA: 1267
TRACHEOTOMY: 186, 466, 1614, 2543, 2966, 3387
TRACTION: 1240
TRAINING SUPPORT: 4007
TRANQUILIZING AGENTS: 226, 769, 1342, 1442, 1620, 1783, 2709, 2752, 3223, 3989, 4249
TRANSCORTIN: 6, 14, 1129, 1991, 2957, 3476, 3633
TRANSCRIPTION, GENETIC: 247, 349, 683, 1167, 1443, 1914, 2490, 2856, 4276
TRANSDUCERS: 488, 2460
TRANSFERASES: 77, 1098, 1366, 2652, 3212
TRANSFERRIN: 960, 1259, 1832, 2913, 3476, 3794, 3876
TRANSLATION, GENETIC: 247, 1443, 1914, 3105, 4278
TRANSPLANTATION: 539
TRANSPLANTATION, AUTOLOGOUS: 30, 445, 617, 626, 710, 728, 751, 1255, 1424, 1556, 2372, 2876, 3075, 4020, 4198, 4290
TRANSPLANTATION, HETEROLOGOUS: 285, 1796, 3075, 3690
TRANSPLANTATION, HOMOLOGOUS: 23, 57, 75, 96, 114, 143, 193, 266, 285, 339, 344, 417, 454, 551, 615-616, 619, 707, 746, 751, 761, 880, 906, 980, 1034, 1039, 1134, 1289, 1298, 1309, 1333, 1446, 1454, 1517, 1519, 1575, 1592, 1698, 1809, 1938, 2048, 2283, 2299, 2358, 2416, 2519, 2576, 2603, 2719, 2743, 2924, 2978, 3037, 3058-3059, 3066, 3075, 3129, 3153, 3203, 3295, 3323, 3339, 3375, 3453, 3548, 3555, 3572, 3596, 3654, 3671,

3909, 3945, 3994, 4020, 4053, 4071, 4128, 4130, 4154, 4171, 4193, 4198-4199, 4238, 4245
TRANSPLANTATION IMMUNOLOGY: 75, 266, 454, 882, 906, 1034, 1519, 1575, 1938, 2081, 3037, 3059, 3075, 3129, 3153, 3203, 3572, 3596, 3724, 3819, 3909, 4071, 4128, 4154, 4171, 4230, 4240
TRANSPOSITION OF GREAT VESSELS: 2279
TRANSSEXUALISM: 1744
TRANYLCYPROMINE: 1400, 2434, 2469, 3772
TRAVEL: 2610
TREES: 4152
TREMATODE INFECTIONS: 3449
TREMOR: 1486, 3259, 3849
TREMORINE: 3259
TRIAMCINOLONE: 131, 697, 1267, 1393, 2082, 4267, 4329
TRIAMCINOLONE ACETONIDE: 79, 388, 1085, 1348, 1357, 1459, 2769, 2953, 3380, 3400, 3447, 3455, 3716
TRIAMTERENE: 3596
TRIATOMINAE: 1746
TRIAZENES: 2153
TRIAZINES: 1896
TRIAZIQUONE: 709, 4129
TRICARBOXYLIC ACIDS: 3200
TRICHLOROACETIC ACID: 2234, 3566, 3872
TRICHOMONAS VAGINITIS: 656
TRICHOMYCIN: 4026
TRICHURIASIS: 677
TRICUSPID VALVE INSUFFICIENCY: 963
TRIFLUOPERAZINE: 4404
TRIGLYCERIDES: 28-29, 225, 347, 595, 847, 1115, 1153, 1173, 1391, 1430, 1585, 1728, 1808, 2023, 2587, 2707, 2750, 3140, 3525, 3821-3822, 3898, 4158
TRIHEXYPHENIDYL: 3259
TRIIODOTHYRONINE: 4, 8, 116, 131, 198, 259, 406, 451, 455, 469, 505, 540, 543, 669, 1030, 1054, 1068, 1113, 1162, 1318, 1352, 1422, 1467-1468, 1501, 1810, 1643, 1724, 1727-1728, 1605, 1611, 1696, 1925, 2028, 2033, 2188, 2197, 2207, 2232, 2436, 2897, 2731, 2770, 2796, 2956, 2992, 3067, 3269, 3314, 3321, 3379, 3603, 3620, 3675, 3699, 3776, 3801, 4046, 4096, 4133, 4363
TRIMETHAPHAN: 919
TRIMETHOPRIM: 1401, 2028, 3813
TRIOSES: 2227
TRIPARANOL: 2055
TRIPELENNAMINE: 1450, 2909
TRIPLETS: 1911
TRISOMY: 605, 996, 1017, 1382, 1723, 2411, 2940, 3024, 3163, 3616, 4298, 4360
TRITIUM: 6, 25, 31, 74, 79, 128, 131, 161, 169, 193, 200, 242, 276, 329-332, 349-350, 356-357, 360, 385, 389, 417, 421, 447, 513, 515, 521, 568, 572, 577, 590, 616, 618, 625-626, 629-630, 642, 648-649, 688, 695, 724, 750, 770, 778, 802, 818, 841, 652, 876, 883, 895, 931, 945, 979, 1014, 1026, 1031, 1039, 1052, 1055, 1065, 1102, 1106-1107, 1117, 1129, 1131-1132, 1150, 1157, 1175, 1192, 1203, 1219, 1223, 1228, 1236, 1295, 1306, 1312, 1340-1341, 1354-1355, 1419, 1440, 1477, 1483, 1500-1501, 1506, 1509, 1539, 1615, 1619, 1621, 1627, 1631, 1638, 1853, 1660, 1669-1670, 1672, 1686, 1714, 1762, 1816, 1829, 1867, 1872, 1901, 1918, 1924, 1926, 1986, 1988, 1995, 1997, 2006, 2009, 2015, 2091, 2095, 2135, 2139-2140, 2152, 2156, 2206-2207, 2227, 2232, 2234, 2237, 2242-2243, 2249, 2253, 2256, 2278, 2295, 2305, 2308, 2310, 2319, 2325, 2328, 2338, 2348-2349, 2355, 2362, 2380, 2385, 2402, 2419, 2424-2425, 2465, 2490, 2499, 2607, 2541, 2596, 2611, 2827, 2639-2640, 2642, 2652-2653, 2676, 2678-2679, 2684, 2698, 2768, 2797, 2824, 2829, 2831, 2834-2835, 2840, 2842, 2844, 2873, 2896, 2909, 2913, 2918, 2934, 2957, 2972, 2977, 2983, 2998, 3020-3021, 3026, 3034, 3060, 3122, 3126, 3167, 3172, 3176-3177, 3198, 3206, 3214, 3217, 3234, 3238-3240, 3256, 3281, 3294, 3308, 3312, 3331, 3340, 3357, 3372, 3378, 3386, 3437, 3460, 3460, 3471-3472, 3476, 3499, 3501, 3638-3639, 3562, 3663-3564, 3583, 3605, 3624, 3628, 3646, 3659, 3689, 3702, 3704, 3713, 3727, 3729, 3739, 3748-3751, 3758, 3781, 3783, 3796, 3814, 3818, 3821-3822, 3832, 3838, 3842, 3855, 3861, 3884, 3886, 3908, 3912, 3922-3924, 3927, 3946, 3964, 3973, 4040, 4044, 4089, 4092-4093, 4113, 4115, 4117, 4124, 4213, 4216, 4219, 4234, 4261-4252, 4275, 4278, 4280, 4297, 4303, 4307, 4316, 4320, 4354, 4362, 4369
TRITURUS: 690, 2767
TROCHLEAR NERVE: 1699
TROMETHAMINE: 475, 4272
TROPANES: 4436
TROPHOBLAST: 610, 2875, 3169, 4009
TROPHOBLASTIC TUMOR: 2102, 2522, 3415, 3545, 3871
TROPICAL CLIMATE: 3097, 3537
TROPOMYOSIN: 1007, 3769
TRYPAN BLUE: 3670, 4077
TRYPSIN: 312, 531, 689, 712, 716, 616, 628, 1344, 1609, 1708, 1729, 2135, 2227, 2234, 2292, 2535, 2866, 3027, 3354, 3486, 3552, 3713, 3838, 4057, 4353
TRYPSIN INHIBITORS: 226, 960, 1541, 2695, 3478, 4254
TRYPTAMINES: 231, 358, 360, 942, 1383, 1614, 2228, 3896
TRYPTOPHAN: 17, 32, 164, 359, 668, 1311, 1400, 1609, 1656, 1674, 1832, 2020, 2140, 2228, 2266, 2667, 2669, 2696, 2877, 3280, 3563, 3706, 3802, 3839-3840, 3973, 4047, 4117, 4307, 4316, 4444
TRYPTOPHAN HYDROXYLASE: 2020, 2400, 2599, 3493, 3681, 4307
TRYPTOPHAN OXYGENASE: 17, 567, 2667, 3823
TRYPTOPHAN SYNTHETASE: 2292
TUBE FEEDING: 62, 2175, 4449
TUBERCULIN: 3048
TUBERCULIN TEST: 171, 4166
TUBERCULOSIS: 1225, 2531, 2741, 3091
TUBERCULOSIS, AVIAN: 2167
TUBERCULOSIS, CARDIOVASCULAR: 3091, 4156
TUBERCULOSIS, CUTANEOUS: 3091
TUBERCULOSIS, ENDOCRINE: 788, 3091
TUBERCULOSIS, GASTROINTESTINAL: 3091
TUBERCULOSIS, MENINGEAL: 213
TUBERCULOSIS, MILIARY: 136, 4166
TUBERCULOSIS, ORAL: 3091
TUBERCULOSIS, OSTEOARTICULAR: 3091
TUBERCULOSIS, PLEURAL: 4342
TUBERCULOSIS, PULMONARY: 1738
TUBOCURARINE: 284, 566, 703, 2075, 2500, 2636, 2798, 2829, 3305
TUNGSTEN: 647
TURBELLARIA: 2115
TURBINATES: 169
TURKEYS: 3358
TURNER'S SYNDROME: 257, 296, 338, 587, 634, 717, 1205, 1272, 1395, 1664, 1841, 2791, 2914, 3099, 3117, 3180, 3287, 3916, 3952
TURPENTINE: 3507, 4324
TURTLES: 255, 912, 1880, 2015, 2931, 3036
TWINS: 278, 560, 1911, 3004, 3245, 3931
TYMPANIC MEMBRANE: 523
TYPHOID-PARATYPHOID VACCINES: 3182
TYRAMINE: 223, 447, 577, 942, 1411, 1655, 1814
TYROSINE: 447, 500, 868, 1132, 1440, 1807, 1947, 2121, 2465, 4134, 4185, 4362
TYROSINE AMINOTRANSFERASE: 131, 858, 1443, 2239, 3068, 3209, 4089
TYROSINE HYDROXYLASE: 692, 1023, 1488, 1626, 1867, 2035, 2135, 2192, 2400, 2434, 2529, 2599, 3090, 3214, 3493, 3657
TYROTHRICIN: 3684

U

UBIQUINONE: 370
UDDER: 822-823, 2323, 4140
UGANDA: 1891
UKRAINE: 2066, 2070, 2250, 4065
ULCER: 620, 1974
ULNA: 1429, 2702, 2811, 2921, 3922
ULNA FRACTURES: 3317
ULNAR NERVE: 26
ULTIMOBRANCHIAL BODY: 1192
ULTRACENTRIFUGATION: 311, 718, 740, 1047, 2494, 2596, 2768, 3566, 3815, 3994, 4134, 4315
ULTRAFILTRATION: 236, 2097, 2173, 2667, 3308, 3378, 3624, 3815, 3840, 4356
ULTRASONIC THERAPY: 2012, 2973
ULTRASONICS: 220, 488, 622, 1190, 1280, 2102-2103, 2150, 2361, 2728, 3086, 3095, 3252, 3416, 3440, 3765, 3904, 4056
ULTRAVIOLET RAYS: 2426, 2528, 2658, 2907, 3154, 3521, 4433
UMBILICAL ARTERIES: 331, 1624, 2252, 2717, 3640, 3729
UMBILICAL CORD: 6, 18, 95, 158, 667, 956, 2013, 2170, 2262, 2633, 2717, 3111, 3166, 3371, 3899
UMBILICAL HERNIA: 1026, 1412, 1613, 1933
UMBILICAL VEINS: 1055, 2717, 3640, 3729
UMBILICUS: 1412, 1933
UNCONSCIOUSNESS: 2026, 3311
UNITED STATES: 291, 436, 508, 539, 573, 575, 591, 723, 738, 1066, 1211, 2291, 2503, 2709, 3145, 3231, 3500, 3777, 3947, 4080, 4374, 4399, 4440
UNITED STATES NATIONAL INSTITUTES OF HEALTH: 3184
URACIL: 1443, 3154
URACIL NUCLEOTIDES: 1330, 2204, 3209, 4055
URANIUM: 2513, 3335, 3540
URBAN POPULATION: 738, 2602, 3376
URBANIZATION: 164, 508
UREA: 129, 462, 499, 591, 790, 1426, 1653, 2108, 2243, 2273, 2655, 2744, 3097-3098, 3210, 3293, 3682, 3878, 4350
UREMIA: 334, 832, 1037, 1990, 2578, 3169, 3293, 3335, 3434, 3509, 3682, 3775, 4191
URETER: 511, 1062, 1122
URETERAL CALCULI: 581, 2375, 2980
URETERAL DISEASES: 952
URETERAL OBSTRUCTION: 1571, 3152
URETEROCELE: 511
URETHANE: 736, 1257, 2636, 3807
URETHRA: 1284, 2391
URETHRAL STRICTURE: 2110
URIC ACID: 116, 591, 1139, 2346, 2451, 2786, 2951, 4258
URICOSURIC AGENTS: 4416
URIDINE: 79, 169, 349, 979, 1621, 1660, 1629, 2305, 2385, 2490, 2642, 2824, 3209, 3294, 3350, 3635, 3702, 3726-3727, 4339
URIDINE DIPHOSPHATE SUGARS: 2173, 3209, 3983, 4287
URINARY CATHETERIZATION: 1462
URINARY TRACT: 952
URINARY TRACT INFECTIONS: 76, 780, 958, 2451, 3986
URINATION: 1464, 2496
URINATION DISORDERS: 129, 2110, 2584, 3765
URINE: 334, 591, 644, 865, 1071, 1324, 2235, 3053, 3537
UROGENITAL NEOPLASMS: 43, 801, 1125, 3104, 4170
UROGENITAL SYSTEM: 1624, 2393, 2613, 3011
UROGRAPHY: 364, 834, 952, 1571, 2539, 2854, 2995, 3199, 3246, 3765, 3916, 4171
UROLOGIC DISEASES: 2071, 2198, 2671
URONIC ACIDS: 842
URTICARIA: 1459
USSR: 1362, 3777
UTERINE DISEASES: 1583, 2233, 2948, 3065, 3173, 3626
UTERINE HEMORRHAGE: 273, 564, 1260, 1353, 2503, 3166, 3770, 4056, 4094-4095
UTERINE INERTIA: 158-159, 4048
UTERINE NEOPLASMS: 274, 385, 396, 408, 453, 743, 838, 1313, 1337, 1448, 1474, 1481, 1583, 1806, 1988, 2004, 2091, 2128, 2231, 2383, 2585, 2632, 2641, 2704, 3114, 3303, 3545, 3643, 3870, 3937, 4063, 4391, 4398
UTERINE RUPTURE: 4206
UTERUS: 25, 31, 38, 72, 74, 85, 98, 102, 148, 154, 158-160, 180, 219, 221, 246, 248, 303, 422, 475, 490, 510, 524, 535, 570, 588, 611, 645, 648, 682, 699, 802-803, 611-815, 851-852, 874, 887, 695, 898-899, 912, 914, 992, 1039, 1062, 1065, 1181, 1226, 1255, 1263, 1316, 1330, 1340, 1402, 1405, 1428, 1509, 1559, 1578, 1629, 1676, 1679, 1733, 1801, 1830, 1864, 1882, 1938, 1982, 1988, 2002, 2018-2019, 2021, 2154, 2180, 2191, 2213, 2248, 2271, 2295, 2304, 2459, 2461, 2479, 2502, 2506, 2540, 2548, 2641, 2712-2713, 2716, 2760, 2774, 2814, 2817, 2845, 2869, 2963, 3003, 3065, 3125, 3142, 3160, 3225, 3228, 3303, 3331-3332, 3343-3345, 3366, 3430, 3439, 3460, 3539, 3577, 3626, 3759, 3781, 3835, 3848, 3886, 4018, 4063, 4069, 4181, 4184, 4216, 4250, 4263, 4303
UVEITIS: I

V

VACCINE THERAPY: 1786
VACCINIA VIRUS: 272
VAGINA: 219, 246, 476, 511, 746, 802, 847, 889, 895, 983, 1009, 1171, 1629, 1848, 1864, 1963, 2154-2155, 2164, 3391, 2548, 2638, 2774, 2817, 2967, 3142, 3160, 3298, 3331, 3396, 3430, 3439, 3666, 3788, 3852, 3882, 4024, 4330
VAGINAL DISEASES: 676, 2623

VAGINAL NEOPLASMS: 1417, 2176, 3643, 4327
VAGINAL SMEARS: 264, 558, 623, 889, 921, 1227, 1389, 1642, 1732, 1779, 1830, 1848, 1881-1882, 1911, 1923, 1971, 2168, 2212, 2231, 2548, 2760, 3122, 3453, 3630, 3852, 4024, 4137
VAGINITIS: 4433
VAGOTOMY: 725, 771, 1662, 1952, 3495, 3705, 3773, 3807, 3837
VAGUS NERVE: 1019, 1646, 1662, 1952, 3377, 3495, 3679, 3705
VALERATES: 2394, 2769
VALINE: 3227, 3832, 3973, 4194
VALINOMYCIN: 1408
VANILMANDELIC ACID: 1943, 4028, 4265
VARICOCELE: 3613
VARICOSE VEINS: 418, 3585
VAS DEFERENS: 1247, 1277, 2053, 2317, 2465, 3748-3751
VASCULAR DISEASES: 320, 496, 746, 917, 1593, 1691, 2432, 3244, 3655, 3926, 4410
VASCULAR RESISTANCE: 91, 196, 232, 247, 390, 551, 758, 1041, 1461, 1531, 1646, 1683, 1760, 1763, 1886, 2607, 2753, 3072, 3722, 3864
VASCULAR SURGERY: 1951
VASECTOMY: 914, 2042
VASOCONSTRICTOR AGENTS: 470, 815, 3288, 3325, 3760, 4259
VASODILATOR AGENTS: 2970, 3227, 4259
VASOMOTOR SYSTEM: 1120, 1411, 2607, 3131, 3288, 4331
VASOPRESSIN: 43, 55, 59, 108, 191, 213, 310, 412, 538, 606, 826, 1089, 1122, 1137, 1226, 1317, 1396, 1408, 1533, 1578, 1716, 1800, 1850, 2114, 2119, 2193, 2240, 2244, 2273, 2284, 2296, 2340, 2462, 2883, 2768, 2786, 2855, 2893, 2932, 2944, 2982, 3077, 3235, 3308, 3435, 3528, 3598, 3827, 3876, 3953, 4048
VASOTOCIN: 288, 712
VEGETABLES: 117, 177, 1945, 3950
VEGETARIANISM: 3947
VEHICLES: 1504
VEINS: 154, 341, 459, 466, 719, 749, 860, 887, 1194, 1197, 1246, 1369, 1409, 1997, 2172, 2508, 2795, 3020, 3251, 4077
VENA CAVA, INFERIOR: 1573, 2004, 2654, 3199, 3885
VENA CAVA, SUPERIOR: 2654
VENAE CAVAE: 4239
VENEREAL DISEASES: 1869
VENOMS: 50, 1364, 1537, 1669, 2173, 2975, 3517
VENOUS PRESSURE: 917, 1197, 1589
VENTRICULAR FIBRILLATION: 1756, 2784
VERATRINE: 805, 3564
VERATRUM: 1945
VERTEBRAL ARTERY: 3164
VERTEBRATE VIRUSES, UNCLASSIFIED: 3551
VERTIGO: 2973
VESICO-URETERAL REFLUX: 952, 1571
VESICULAR STOMATITIS VIRUS: 1836, 3339, 3713
VESTIBULAR FUNCTION TESTS: 2973
VESTIBULAR NERVE: 3579
VESTIBULAR NUCLEI: 2473, 3579
VETERINARY MEDICINE: 4438
VIBRATION: 847, 1350, 1507, 2540, 2677, 3398
VIBRIO: 450, 863, 4149
VIBRIO COMMA: 2820
VIBRIO FETUS: 4149
VIETNAM: 3231
VINBLASTINE: 519, 660, 2058, 3890
VINCA ALKALOIDS: 1338, 3559
VINCRISTINE: 185, 519, 606, 660, 709, 867, 1631, 1861, 1994, 2058, 2126, 2354, 3260, 3320, 3643
VIRAL PROTEINS: 3638, 3702, 3713
VIRAL VACCINES: 4146
VIRILISM: 489, 834, 1591, 3110, 3278, 3709
VIROLOGY: 4007
VIRUS CULTIVATION: 4146
VIRUS DISEASES: 1056, 3009, 3738
VIRUS REPLICATION: 272, 3043, 3551, 3702, 4272
VISCOSITY: 907, 1686, 2181, 2215, 2921, 3413
VISION DISORDERS: 145, 1820, 3221, 3362, 3521, 3928, 4102
VISUAL ACUITY: 742, 1920, 3648, 3928, 4102, 4123
VISUAL CORTEX: 627, 2861
VISUAL FIELDS: 742, 1920
VISUAL PATHWAYS: 1397, 3397, 4102
VISUAL PERCEPTION: 1640, 3698
VITAL CAPACITY: 387, 1143, 3422, 3480
VITAMIN A: 665, 1020, 1426, 1728, 2483, 3455, 3726
VITAMIN A DEFICIENCY: 738, 2269, 2483, 2616
VITAMIN B COMPLEX: 2483, 3447
VITAMIN B 12: 138, 168, 176, 1698, 2483, 3774
VITAMIN B 12 DEFICIENCY: 1199, 2483, 3015
VITAMIN D: 26, 62, 329-330, 423, 687, 836, 978, 1217, 1223, 1297, 1680, 1958, 2194, 2395, 2398, 2432, 2483, 2578, 2655, 2853, 2856, 2907, 2912, 3001, 3054, 3094, 3232-3233, 3274, 3292, 3482, 3496, 3581, 3756, 3861, 4164, 4403, 4423, 4455
VITAMIN D DEFICIENCY: 738, 1102, 1192, 1680, 2194, 2402, 2413, 2541, 2616, 2655, 2912, 3094, 3984, 4160, 4208, 4403, 4423
VITAMIN E: 337, 370, 567, 680, 1728, 2003, 2483, 2735, 2745, 3669, 4017
VITAMIN E DEFICIENCY: 337, 370, 567, 680, 1432, 1728, 2003, 2745
VITAMIN K: 654, 1012, 2483
VITAMIN K DEFICIENCY: 2777
VITAMINS: 264, 591, 738, 1711, 2483, 2970
VITELLINE MEMBRANE: 1750
VITILIGO: 442
VITREOUS BODY: 1
VOCAL CORD PARALYSIS: 186, 235, 1507, 1690, 3738, 4229
VOCAL CORDS: 3219
VOCALIZATION, ANIMAL: 96, 2175
VOICE: 3110
VOLUNTARY HEALTH AGENCIES: 2992
VOMITING: 476, 720, 855, 1164, 2067, 3395, 4012, 4332, 4382
VON WILLEBRAND'S DISEASE: 283, 771, 4191
VULVA: 87
VULVAR NEOPLASMS: 2176, 2949, 3643
VULVITIS: 87
VULVOVAGINITIS: 264

W

WAKEFULNESS: 769, 2942, 3397, 4098
WALES: 796, 1513, 3243
WARFARIN: 433, 2472
WARTS: 2847
WATER: 74, 310, 384, 388, 494, 527, 594, 598, 1268, 1408, 1555, 1660, 1750, 1753, 2273, 2579, 2683, 2725, 2928, 2934, 3032, 3053, 3109, 3224, 3436, 3576, 3719, 3800, 3897, 4053-4054
WATER DEPRIVATION: 1310, 1851, 2274, 2296
WATER-ELECTROLYTE BALANCE: 36, 91, 187, 191, 288, 384, 408, 414, 538, 663, 798, 859, 995, 1122, 1172, 1310, 1393, 1578, 1716, 1756, 1827, 1870, 2119, 2240, 2389, 2635, 2855, 2920, 2932, 3032, 3064, 3407, 3828, 4088, 4289, 4381
WATER INTOXICATION: 2932
WATER LOSS, INSENSIBLE: 1426
WATER SUPPLY: 796, 3800
WATERHOUSE-FRIDERICHSEN SYNDROME: 1547, 2336
WEANING: 508, 998, 2209, 2819, 3115, 3143, 3418, 4115
WEATHER: 1342, 1640, 2127, 2568
WEGENER'S GRANULOMATOSIS: 113, 3434, 3580, 3658
WERNICKE'S ENCEPHALOPATHY: 3531
WHEAT: 816, 1899
WHOLE BODY COUNTERS: 2262
WOLFF-PARKINSON-WHITE SYNDROME: 1758
WOMEN: 3145, 4374
WOUND HEALING: 230, 418, 889, 1020, 1160, 1279, 1380, 1536, 1823, 2221, 2257, 2727, 3433, 3922, 4062
WOUND INFECTION: 76
WOUNDS AND INJURIES: 3, 1166, 1855, 2161, 2693, 3483, 3739, 3761, 4062, 4239
WOUNDS, GUNSHOT: 2240, 4239
WRIST: 1463, 1873, 3920
WRIST JOINT: 1225, 1694, 2570

X

XANTHINE OXIDASE: 1139, 2528-2529
XANTHINES: 1029, 1669, 2657, 3018, 3729, 4055, 4275, 4279
XANTHOMATOSIS: 49, 3132
XANTHURENATES: 3280
XENON: 3679
XENOPUS: 349, 1187, 3018, 3898
XERODERMA PIGMENTOSUM: 3405
X-RAY DIFFRACTION: 1931, 2050, 2387, 2974, 3350, 3897, 4172
XYLENE: 3227
XYLITOL: 352, 2299
XYLOSE: 138, 2904, 3513

Y

YEASTS: 4079
YOHIMBINE: 1076, 3705
YTTRIUM: 1605, 3540
YTTRIUM ISOTOPES: 145, 4067
YUGOSLAVIA: 1874, 1909, 2574

Z

ZINC: 1148, 1160, 1766, 1792, 2287, 2317, 2479, 2819, 3272, 3497-3498, 3739, 3981
ZINEB: 3981
ZOLLINGER-ELLISON SYNDROME: 1857, 2828
ZOONOSES: 1442
ZOXAZOLAMINE: 2082
ZYGOMATIC FRACTURES: 3521

AUTHOR INDEX

A

AABERG TM: 1
AAKVAAG A: 2
AARDE IM VAN: 1754
ABDEL-AAL H: 3
ABDEL-AAL MA: 3
ABDEL-GAWAD MS: 4
ABDEL SALAM M: 1764
ABE K: 1663
ABE M: 4196
ABE T: 1792
ABEL M: 2758
ABOU-SABE M: 5
ABRAHAM AD: 6
ABRAHAM S: 2621
ABRAMOVICI H: 7
ABRAMS GD: 3226
ABRAMSON A: 279
ABRISHAMI MA: 3132
ABRO A: 2165
ABT AB: 279
ABU-HAYDAR FR: 3360
ABU-NASSAR SG: 137
ABUCEWICZ A: 829
ABUID J: 8
ABZIANIDZE HV: 2861
ACCHIARDO S: 9
ACETO TA: 717
ACHARD JL: 2179
ACHILLE E: 10
ACHSLOGH J: 11
ACHTEN G: 12-13
ACS Z: 14
ADAM WR: 15, 499
ADAMEC K: 3784
ADAMS C: 16
ADAMS PW: 17, 3280
ADAMS RM: 741
ADAMSON L: 2841
ADAMSON LF: 1632
ADAMSONS K: 18
ADDISON PC: 19
ADHAMI H: 20
ADHYA S: 883
ADIE R: 21
ADLER JL: 143
ADLER R1: 4123
ADLERCREUTZ H: 3932-3933
ADOLPHSON RL: 22
ADU D: 23
AEBERHARD P: 24
AEDO AR: 25
AGARWAL KN: 1478
AGGARWAL ND: 26
AGHAJANIAN GK: 2139-2140
AGID R: 2492
AGMAN G: 1123
AGNOLI A: 603
AGRESTA G: 1263
AGUIAR AJ: 2656
AGUIRRE-GARCIA J: 1370
AGUS ZS: 27
AHEARN MJ: 1651
AHLERS I: 28-29
AHLERSOVA E: 28-29
AHMAD N: 30
AHMED J: 31
AHREN K: 1829
AHUJA MM: 3537
AIRAKSINEN EM: 32
AIRAKSINEN MM: 32
AITKEN JM: 33-34
AIZENSHTADT TB: 35
AJZEN H: 36
AKBAR AM: 2780
AKERS MJ: 37
AKHREM AA: 38
AKIMOVA RN: 3997
AKMAYEV IG: 39
AKOPIANTS SM: 3937
AKSHABAEVA KA: 40
AKULININ AT: 4322
AL'-KHILIALI MA: 41
ALADASHVILI VD: 42
ALBEAUX-FERNET M: 43-44
ALBERMAN E: 47-48
ALBERT DJ: 3375
ALBERTI KG: 135
ALBOT G: 49
ALBRITTON WL: 1850
ALBRO P: 50
ALCANIZ F: 4087
ALEDORT L: 551
ALEMA S: 51
ALEMAN P: 490
ALESHCHENKO VI: 2166
ALEXANDER DP: 52-55
ALEXANDER JW: 2603
ALEXANDER N: 3507
ALEXANDER WD: 2238, 2415
ALEXANDRE JM: 2563, 3885
ALFOLDY G: 1713
ALFORD BR: 56
ALFTHAN O: 2074
ALICAN F: 57
ALIFEROVA VF: 161
ALIPPI RM: 455
ALLANEAU C: 3515
ALLEN DO: 58, 700
ALLEN JR: 1967
ALLEN WE: 59
ALLWOOD PAREDES J: 4325
ALMAZOV VA: 60
ALMOSNI M: 3080
ALMQVIST S: 1913
ALOIA JF: 61
ALONSO-DEFLORIDA F: 2803
ALONSO GARCIA A: 2830
AL'PEROVICH VV: 2091
ALPERS DH: 350
ALTMAN J: 197, 464
ALTMAN RF: 62
ALTMAN RP: 63
ALTMEYER P: 64
ALVAREZ A: 65
ALVAREZ-BUYLLA R: 66, 889
ALVAREZ-LEEFMANS J: 3087
AMADORI S: 2466
AMATATSU K: 3841
AMBARTSUMIAN RG: 2488
AMBROSIO A: 3107
AMENDOLA M: 1263
AMER B: 599
AMER I: 599
AMERY A: 67
AMES RP: 1274
AMI K: 3395
AMIEL DK: 68
AMLACHER E: 849
AMMERMAN CB: 669
AMRHEIN JA: 2685
AMSTERDAM EA: 1992
ANAND AS: 69
ANAN'EVA NE: 70
ANCA I: 3102
ANCES IG: 251
ANDERSEN AC: 71
ANDERSEN MC: 543
ANDERSON AE 3D: 2430
ANDERSON B: 3304
ANDERSON CF: 3865
ANDERSON CM: 2775
ANDERSON DC: 2501
ANDERSON GG: 72-73
ANDERSON JB: 33-34
ANDERSON JJ: 3856
ANDERSON JN: 74
ANDERSON R: 3591
ANDERSON RJ: 75-76
ANDERSON WT: 3423
ANDERSSON KE: 106
ANDERSSON RG: 77
ANDRADA JA: 78
ANDRADE U: 36
ANDRASSY K: 3232-3233
ANDRESEN P: 1452
ANDREW FD: 79
ANDREWS H: 1102
ANDRIEUX-DOMONT C: 80
ANDRUP O JR: 81
ANEHA Y: 1961
ANGELI A: 82
ANGELINI F: 890
ANGELLIS D: 1148
ANGERBAEK H: 83
ANGEVINE CD: 84
ANGLES D'AURIAC G: 85
ANOKHIN PK: 86
ANOUSSAKIS C: 2294
ANSELL GB: 2505
ANSELL ID: 87
ANSFIELD FJ: 1352
ANTELMAN SM: 2327
ANTHONY CL: 3423
ANTON-LAMPRECHT I: 88
ANTONOVA LI: 273
AOKI K: 89
AOKI T: 3043
APARICIO M: 496
APASOV GN: 90
APERIA A: 91
APPEL SH: 782
APPLETON D: 92, 2878
APPS MC: 93
APPUKHAMI K: 2148
APROSINA ZG: 94
APTEKAR RG: 533
ARAI K: 95
ARAKI Y: 4012
ARCE JJ: 1345
ARCHER J: 96
ARDUINO LJ: 1964
ARENDARCIK J: 97
AREVALO N: 2817
ARIEH YB: 3412
ARIMURA A: 98, 879-880, 4305
ARIMURA H: 99
ARLET J: 1128
ARMENDARES S: 490
ARMS RA: 100
ARMSTRONG BK: 101
ARMSTRONG DT: 102, 1039, 1438, 1983
ARMSTRONG E: 33, 47-48
ARNAUD CD: 103
ARNAUD SB: 103
ARNEIL GC: 104
ARNOLD EL: 1177
ARNOULD Y: 1189
ARNTHORSSON G: 105
ARON C: 10, 196, 644, 3278
ARON-BRUNETIERE R: 107
ARONSON AS: 108
ARORA RB: 109-110, 3517
ARROYO H: 111, 128
ARROYO-SCOTOLIFF H: 112
ARTHUR LJ: 2655
ARVANITAKIS C: 113-114
ARZADON L: 3240
ARZAMASTSEV AP: 115
ASCH L: 116
ASCHENBRENNER J: 732
ASHER WL: 117
ASHMORE J: 58
ASKAR AM: 4
ASKEW WE: 1872
ASQUITH P: 763
ASSENMACHER I: 1816
ASTAPOV BM: 118
ASTE H: 3198
ASTRADA JJ: 578
ATAMAN T: 2966
ATASU T: 119
ATIANINA TF: 3667
ATKIN NB: 120-121
ATKINSON JP: 122
ATKINSON PM: 123-124
ATTILA U: 125
ATTRAMADAL A: 128, 1539
ATWOOD DG: 127
AUBERT L: 111, 128
AUBREY DA: 129
AUGUST GP: 1752
AULETTA FJ: 571, 2840
AUQUIER L: 130
AURBACH GD: 341, 1597, 2511, 2871
AURES D: 2151
AURICCHIO F: 131
AUSSANNAIRE M: 853
AUST JB: 3266
AUZAN C: 2563
AVDIUKOVSKAIA VP: 132
AVERY ME: 598
AVGUSTINOVICH MS: 910
AVIOLI LV: 448
AVOGARO P: 133
AVRIL J: 2187
AXELROD J: 134, 893

AXELROD LR: 2596
AYALON D: 3470
AYALON N: 3549-3550
AYNSLEY-GREEN A: 135
AYVAZIAN JH: 3153
AZANJAC R: 138
AZAR HA: 137
AZNAR R: 1629
AZNAR-RAMOS R: 2817
AZNAR REIG A: 138
AZNAR NEIG A: 139
AZOUBEL R: 1380
AZOURY RS: 140

B

BABA I: 141
BABAK A: 3011
BABCOCK JR: 4310
BABICKY A: 2045-2046
BABITT HI: 1630
BACCELLI G: 4331
BACH JF: 142
BACH MA: 142
BACH MC: 143
BACHMANN KD: 3024
BACHOFEN H: 3422
BACHRA BN: 144
BACKHOUSE J: 2541
BACKLUND EO: 145
BACZY BACSY E: 3158
BADANOVA IUP: 2156
BADARACCO M: 146
BADEN M: 2013
BADENS D: 1684
BADESCU I: 840
BADONNEL MC: 1246
BAER RL: 3746
BAETHMANN A: 3436-3437
BAGCHI N: 109
BAGLEY C: 147
BAGLI NP: 148
BAGRAMIAN ER: 149, 2474
BAGSHAW MA: 1004
BAGSHAWE KD: 150
BAHL L: 1479
BAHLMANN J: 151
BAHR C VON: 2877
BAHR JT: 152
BAIGENT C: 3178
BAILE CA: 3513
BAILER J: 1590
BAILES M: 4144
BAILEY DW: 1032
BAILEY G: 3880
BAILEY JM: 153
BAILEY LE: 2860
BAIRD DT: 154, 728, 1194
BAIRD JA: 1518
BAITERIAKOVA LS: 2625
BAJUSZ S: 434
BAKER BB: 155
BAKER C: 3144
BAKER D: 3887
BAKER H: 1426
BAKER HW: 156
BAKER LR: 1403
BAKER RH: 157
BAKER RK: 547
BAKER RL: 3488
BAKKE T: 300
BAKSHEEV MS: 158
BAKSHEEV NS: 159-160
BAKSHEIEV MS: 161
BAKSI SN: 162
BALABA TIA: 163
BALAN M: 164, 3716
BALASUBRAMANIAN A: 668
BALAY J: 3339
BALAZ V: 2665
BALAZS R: 2954
BALDESSARINI RJ: 2325
BALDET L: 1811
BALDWIN RL: 165, 4304
BALIN H: 870
BALK SD: 4222
BALL GG: 721
BALL JH: 166
BALL JK: 2888-2889
BALL JN: 167
BALLAS SK: 168
BALLIET RF: 2581
BALLOU JE: 169
BALMUKHANOV SB: 170
BALOW JE: 171
BALTIMORE D: 3713
BALTIMORE R: 1311
BALTZER G: 1344
BALYKINA EM: 172
BAMBERG E: 3461
BAMONTE F: 901
BANASZKIEWICZ W: 2969
BANCHIERI FR: 173
BANDHAUER K: 174
BANERJEE MR: 175
BANERJEE RK: 176
BANERJEE S: 177
BANERJEE SK: 647
BANERJI TK: 178
BANGDIWALA IS: 1227
BANIM SO: 1182
BANKS ME: 500
BANOS C: 179, 1162
BANTHORPE DV: 2975
BAR FW: 3900
BARABOI VA: 180
BARANCZUK R: 181-182
BARANETSKAIA IS: 910
BARANSKI S: 183
BARASH J: 2286
BARASI S: 184
BARATON G: 3322
BARB U: 185
BARBARY AS: 186
BARBE J: 187
BARBEAU A: 1803, 4297
BARBIER JM: 188
BARBOSA E: 2524
BARCELLONA WJ: 189
BARCELO AN: 1730
BARCELO B: 4087
BARCENA-VILLEGAS JA: 3977
BARCHAS JD: 692
BARCHAS R: 692
BARDACH G: 1912
BARDEN H: 190
BARDI U: 773
BARDIN CW: 778
BARGFELD D: 3777
BARJON P: 191
BARKER HM: 192
BARKER M: 193
BARLET JP: 194
BARLING PM: 2871
BARLOW JJ: 328
BARLOW PW: 195
BARLTROP D: 3806
BARMAN PC: 2117
BARNARD WP: 3252
BARNER HB: 196
BARNES BA: 2866
BARNES D: 197
BARNES R: 1096
BARNETT DB: 198
BARNETT MP: 3191
BARON JH: 199
BARR AB: 200
BARRACLOUGH CA: 2470, 3995
BARRANCO SC: 201
BARRETT O JR: 771
BARRETT R: 190
BARRILLON A: 287
BARRIO RENDO ME: 202
BARROWMAN JA: 2544
BARRY RG: 203
BARSEL' VA: 204
BARSIC E: 2154
BARTAL A: 205
BARTFAY G: 1083
BARTHELME J: 44
BARTHOLOMEW BA: 206
BARTHOLOMEW LG: 968
BARTHOLOMEW RJ: 1659
BARTKE A: 207-208, 3567
BARTL P: 4007
BARTON DH: 209
BARTON EM: 210
BARTOSIK D: 211
BARTOVA A: 351
BARTSCH FK: 212
BARTSOCAS CS: 213
BARYLAK A: 214
BARZILAI A: 1255
BARZILAI D: 1903
BASCO I: 1256
BASS DD: 4043
BASS JJ: 215
BASS JW: 216
BASS ZHZH: 2475
BASSETT D: 1144
BASSO N: 897
BASSOE HH: 217
BASTOMSKY CH: 218, 4320
BASU J: 219
BAT-MIRIAM M: 2951
BATES GW: 220
BATES PL: 384
BATES RF: 4212
BATES RW: 271
BATRA SC: 221
BATSAKIS JG: 222
BATTAGLIA FC: 1982
BATTERSBY WS: 627
BATZRI S: 223-224
BAUER H: 340, 3211
BAUM D: 225
BAUM GL: 226
BAUM MJ: 227
BAUMAN KE: 228
BAUMANN ML: 2937-2938
BAUMANN N: 229
BAUMANN R: 230
BAUMGARTEN HG: 231, 1383
BAUMGARTNER E: 4341
BAYARD F: 251-252
BAYER H: 3095
BAYLE JD: 445
BAYLINK D: 4208
BAZER FW: 2021
BAZERQUE PM: 2997
BAZIN JP: 1184
BEACHEY E: 1570
BEAHAN PG: 101
BEAHRS OH: 3387
BEAMER V: 232
BEAMER WG: 2718
BEARD RJ: 462
BEATTIE CW: 233
BEATTY B: 700
BEATTY RA: 2924
BEATTY WW: 234
BEAUCHAMPS G: 3709
BEAUDOIN JG: 1489
BEAUDOING A: 435
BEAUFILS F: 235
BEAUQUIS A: 2637
BEAZLEY JM: 3111
BECEIRO JR: 3371
BECK H: 3489
BECK LH: 27, 236
BECK TW: 237
BECK WT: 238
BECKER B: 1920, 3050
BECKER FO: 239
BECKER LE: 3193
BECKER VJ: 446
BECKERHOFF R: 240
BECKERS C: 241, 391, 441
BECKMAN RC: 1475
BEDFORD AJ: 708
BEDFORD CA: 242
BEDFORD JM: 243
BEDNAR J: 1115, 4329
BEDROSSIAN J: 3885
BEEMAN RW: 244
BEER P DE: 772
BEESLEY WN: 245
BEGEMANN H: 4261
BEGGS RA: 1788
BEGUIN F: 246, 4263
BEHN C: 247
BEHOUNKOVA E: 3629
BEHRMAN HR: 207, 248, 2869
BEIERWALTES WH: 3338
BEIGHTON P: 797
BEISCHER NA: 249, 560, 2219, 3166
BEISENHERZ W: 2673
BEIT I: 250
BEITINS IZ: 251-252
BEITNER R: 253

AUTHOR INDEX

BEK V: 2045-2046
BEKHTEREVA EI: 254
BELAISCH G: 3515
BELAMARICH FA: 3241
BELANGER LF: 255
BELESLIN DB: 256
BELIAKOV IUA: 257
BELIC I: 258
BELICZA M: 3117
BELIER L: 4084
BELL JB: 215
BELL JT: 2410
BELL PL: 2117
BELL WR: 2823
BELLABARBA D: 259
BELLAMY D: 865
BELLANTONE RA: 238
BELLE R: 2895
BELLER FK: 260
BELLEVILLE F: 261, 1563
BELLMAN M: 262
BELLOWS AR: 263
BELO PS: 4151
BELOKONSKY IS: 3068
BELOKUROV OG: 4064
BELOPAVLOVIC M: 264
BELOUSOVA AK: 265
BELZER FO: 268
BENA B: 1300
BEN-ARI GY: 1939-1940
BEN-ARI Y: 267-269
BEN-DAVID M: 270-271
BEN-UZILIO R: 1714
BENAGIANO G: 1055, 2906
BENCOSME SA: 2099, 2229
BENDA R: 272
BENEDETTI PA: 458
BENEDIKTOV II: 273-274
BENENDO-KAPUSCINSKA B: 275
BENES P: 278
BENEZECH M: 277, 2225
BENIRSCHKE K: 278, 1977
BENISCH BM: 279
BENJAMIN F: 2930
BENKERT O: 280-281
BENNETT AH: 282
BENNETT DR: 3830
BENNETT E: 283
BENNETT EJ: 284
BENNETT GJ: 3282
BENNETT JW: 1518
BENNETT KR: 1759
BENNETT M: 285
BENNETT WI: 288
BENOIT G: 2322
BENOIT PS: 347
BENSAID J: 287
BENSCH C: 983
BENSON B: 2535
BENSON W: 3789
BENT MJ: 243
BENTLEY PJ: 288
BENVENISTE M: 897
BERAN M: 289
BERCI G: 1287
BERCULESCU Z: 1681
BEREK JS: 2678
BERENS SC: 1827
BERETTA F: 588
BERG G: 290
BERG JW: 291
BERG P: 3305
BERG PA VAN DE: 292-293
BERG U: 91
BERGAMINI E: 2904
BERGER BD: 294
BERGER BW: 295
BERGER H: 3442
BERGER M: 3873
BERGER MJ: 1911
BERGER R: 296
BERGGREN M: 3151
BERGH NP: 3591
BERGIN JJ: 4364
BERGNER H: 297
BERGOFSKY EH: 3072
BERGSJO P: 298-300
BERGSTEIN JM: 301
BERGSTRAND CG: 108
BERGSTROM I: 302
BERGSTROM S: 303
BERIC B: 1909
BERINGER T: 304
BERKELIEVA SCH: 2448
BERKOVA I: 4108
BERLE P: 305-308
BERMAN IR: 1439
BERMAN LB: 1309
BERMAN W: 1571
BERNABE P: 3240
BERNADOU A: 307
BERNADSKA A: 3952
BERNARD BK: 308
BERNARD C: 309
BERNARD JP: 1099
BERNARD P: 2893
BERNARD-WEIL E: 310
BERNDT WO: 2606
BERNEIS KH: 311
BERNFELD J: 4178
BERNHEIM R: 1595
BERNIK MB: 312
BERNSTEIN A: 313
BERNSTEIN JM: 857
BEROVIC Z: 314
BERRY MS: 315
BERTAMINO R: 806
BERTHO E: 316
BERTIN P: 3515
BERTOYE A: 309
BERTRAND J: 718, 2653, 3351
BERTRAND M: 4157
BERTRAND ME: 4158
BERTRAND PV: 1161
BERZINA SV: 257
BESCH NF: 317
BESCH PG: 317
BESHEAR JR: 318
BESSER GM: 3181
BESSLER W: 319
BESSON J: 3873
BESTERMAN EM: 320
BESZNYAK G: 321
BESZNYAK I: 321-322
BETHLEM J: 4233
BETHUNE JE: 3597
BETTENDORF G: 2248
BETTER OS: 323, 3412
BETUEL H: 3203
BETZ TW: 1750
BEY EM: 324
BEYER C: 809
BEYS-L'HOEST B: 325
BEZVERKHAIA TP: 1015
BHALLA RC: 3378
BHALLA SC: 326
BHANA D: 601
BHARGAVA KP: 3705
BHATAVDEKAR JM: 327
BHATT TS: 764
BHATTACHARYA M: 328
BHATTACHARYYA MH: 329-330
BHAVANI BR: 331
BHAVNANI BR: 332
BHIDE NK: 3342
BHOWN AS: 333
BHOWN M: 333
BIALOWAS J: 2808
BIANCHI R: 334
BIANCHI RG: 2236
BIANCHINE JW: 1830
BIANUCCI MA: 2524
BIBILONI MC: 3832
BIDDULPH DM: 335
BIECK P: 4055
BIELECKI M: 336
BIERI JG: 337
BIERICH JR: 338
BIERMAN EL: 225
BIERWAGEN ME: 562
BIGELOW CC: 3706
BIGGAR WD: 1254
BIGGIO G: 3839-3840
BIGGS AW: 339
BIGGS PM: 340
BILEZIKIAN JP: 341, 2511
BILLARD R: 342
BILLIAR RB: 3303
BILLIAU A: 343
BILLINGHAM ME: 344
BILLY G DE: 2239
BILSKI-PASQUIER G: 307
BILTZ RM: 2989
BINDEBALLE W: 345
BINDER C: 1950, 3490
BINDER HJ: 346
BINDSEIL R: 3708
BINET E: 1843
BINFORD CH: 1998
BING DH: 3825
BING RF: 501
BINGEL AS: 347
BINGHAM KD: 348
BINOUX M: 298
BINSWANGER U: 1140
BIOCHIS H: 3293
BIORKLUND A: 3664
BIRAU N: 528
BIRCH BM: 2787
BIRD A: 349
BIRD CE: 1031
BIRD DL: 1425
BIRD T: 1068
BIRGE SJ: 350
BIRK SA: 3892
BIRKETT JP: 1178
BIRMINGHAM MK: 351
BIRNESSER H: 352
BIRNSTIEL M: 349
BISBOCCI D: 82
BISCHOF-DELALOYE A: 353
BISCHOFF AJ: 1964
BITTAR EE: 859
BIZZI A: 354
BJARNASON DF: 355
BJORKHEM I: 356-357
BJORKLUND A: 231, 358-360
BJORKSTEN B: 381
BJORNBERG A: 382
BJORNTORP P: 363
BLACK EG: 3878
BLACK J: 364, 3735
BLACK VH: 385
BLACK WP: 388
BLACKARD CE: 3605
BLACKBURN BJ: 387
BLACKBURN WR: 368
BLAHNIKOVA L: 369
BLAHSER S: 370
BLAIKLEY JB: 453
BLAIM A: 371
BLAIR-WEST JR: 4290
BLAKE CA: 372-374
BLAKE PH: 1877
BLAKELY JD: 3473
BLANC M: 375
BLANCHET P: 897
BLANCO SANCHO R: 378
BLAND J: 1225
BLANDAU RJ: 2832
BLANQUET P: 377
BLASK DE: 3191
BLAU K: 378
BLAUFOX MD: 668
BLAUSTEIN MP: 3201
BLECHER TE: 507
BLEIBERG J: 487
BLEICHER SJ: 3258
BLEIFELD W: 3327
BLEKHERMAN NA: 379
BLENCKE B: 380
BLETZINGER R: 1042
BLICHFELDT P: 381
BLIGH J: 2515
BLINCOE C: 382
BLINICK G: 383
BLISS DK: 384
BLIZZARD RM: 788, 1966
BLOCH L: 385
BLOCH S: 388
BLOCK AJ: 387
BLOCK LH: 388
BLOCKX P: 1860
BLOM J: 1881
BLOMGREN H: 1809
BLONDIAU P: 1342
BLONDIN J: 704
BLOOM FE: 389, 3595
BLOOR CM: 390
BLOUGH WM JR: 747-748

AUTHOR INDEX

BLUM C: 391
BLUM JW: 1140
BLUM M: 392
BLUMENFELD M: 393
BLUMENKRANTZ N: 394
BLUMENSTOCK D: 3153
BLUMSTEIN G1: 395
BLUNT A: 396
BOAS C VAN E: 397
BOASBERG P: 398
BOASSON M: 3197
BOB HB: 399
BOBEK S: 400
BOCCON-G1BOD L: 2995
BOCCUZZ1 G: 82
BOCHENKOVA 1AK: 401
BOCHENTIN W: 2096
BOCK F: 2060
BOCK KD: 402
BOCK RD: 403
BOCKAERT J: 3308
BOCKER R: 404
BOCTOR A: 1443
BOCZKOWSKI K: 405
BODE C: 1344
BODE H: 4035
BODE HH: 408
BODEY GP: 3260
BODIN F: 2298
BOEHNCKE E: 512
BOERU IN: 713
BOETHIUS G: 302
BOGART BI: 365
BOGDANOV IL: 407
BOGDANOV VI: 1968
BOGDANOVA AG: 2585
BOGDANOVA VI: 525
BOGDANOVICH M: 408
BOGDEN A: 1058
BOGET JC: 592
BOGETTI G: 1074
BOGGAN WO: 409
BOGIN IUN: 410
BOGOIAVLENSKAIA MP: 2091
BOGOLIUBOV VM: 118
BOGUSZ W: 2036
BOHLE A: 402, 1547
BOHMAN VR: 382
BOHMER F: 2299
BOHN H: 411
BOHNER J: 871
BOHUS B: 412
BOIARINTSEVA TIA: 413
BOJANOWICZ K: 414
BOKHON'KO AI: 2918
BOLCK F: 849
BOLER J: 415
BOLHUIS GK: 418
BOLLENGIER WE: 417
BOLLIGER AA: 418
BOLLINGER JA: 2770
BOLLINGER TE: 419
BOLLMANN R: 688, 1524
BOLTE A: 420
BOMBIK BM: 541
BOND PA: 421
BONDANI A: 422
BONDAR' MV: 423
BONGIOVANNI AM: 2684-2685
BONILLA MARTI F: 2361
BONN G: 424
BONNAFOUS M: 814
BONNER WD JR: 152
BONNEY RC: 1244
BONOW A: 2985
BONTE FJ: 425
BONY D: 592
BOOKSTEIN JJ: 747-748
BOORMAN GA: 426
BOOTH A: 1519
BOOTH DA: 2922
BOOTH M: 1091
BOOTH WD: 427
BOQUIST L: 428
BORDIER P: 3265
BORELLI S: 2432
BOREUS LO: 3289
BORGAONKAR DS: 429
BORGEAUD J: 3263
BORGER ML: 430-431, 872
BORGES R: 2296
BORGHI A: 432
BORISENKO AO: 1460
BORLE AB: 433
BORMAN JB: 2472
BORNER W: 1421
BORNSTEIN J: 1632
BORNSTEIN P: 4117
BOROS I: 896
BORVENDEG J: 434
BOST M: 435
BOSTOCK DE: 436
BOSZE P: 2150, 2210
BOTELHO LS: 3662
BOTELLA-LLUSIA J: 437
BOTH-MIEDEMA R: 438
BOTSIURKO VI: 3010
BOTTA JA JR: 2774
BOTTIGER LE: 439
BOTTKE W: 440
BOUCHER R: 1268
BOUCKAERT A: 441
BOUCQUEY JP: 11
BOUDIN C: 442
BOUE A: 443
BOUE A: 444
BOUE J: 443
BOUE JG: 444
BOUILLE C: 445
BOUISSOU H: 614
BOULANGER M: 986
BOULNOIS J: 2668
BOULOS MS: 446
BOULTON AA: 447
BOURET G: 4157
BOURGOIGNIE J: 448
BOURKE JR: 449
BOURLOND A: 13
BOURNE HR: 450, 4185
BOURRE JM: 229
BOUSLEY FG: 1751
BOUSQUET J: 980
BOUSSER J: 307
BOUSSER MG: 1283
BOWEN D: 79
BOWEN M: 2590
BOWERS CY: 451
BOWMAN P: 2412
BOWSER EN: 4237
BOYCE WH: 2451
BOYD AE: 2078
BOYD GS: 452
BOYD IE: 453
BOYD JE: 1328
BOYD JJ: 1586
BOYER PD: 1902
BOYLE PF: 454
BOYNS AR: 1355
BOYSE EA: 2056
BOYSEN BG: 1241
BOZIC C: 490
BOZZINI CE: 455
BRAACH HH: 2838
BRAAKSMA JT: 475-476, 1143
BRACCI R: 456
BRADDOM RL: 457
BRADFIELD JS: 458
BRADFIELD JW: 459, 3682
BRADING AF: 460
BRADLEY EL: 4368
BRADLEY EL JR: 3913
BRADLEY GP: 461
BRADLEY JE: 3842
BRADLEY SE: 461
BRADLEY-WATSON PJ: 462
BRADLOW HL: 1615
BRADSHAW RA: 2227
BRAIKER BM: 1356
BRAMLEY PS: 2527
BRANCO D: 2884
BRANDES JM: 7
BRANDT G: 463
BRANES D: 464
BRANISTEANU DD: 465, 1580
BRANTIGAN CO: 466
BRASE A: 467
BRASHEAR HR: 466
BRAUNE R: 3477
BRAUNSTEIN GD: 3875-3878
BRAUNWALD E: 1646
BRAVERMAN LE: 469
BRAVO EL: 995
BRAWLEY P: 470
BRAZA J: 2332
BRECHT HM: 471
BRECHT JP: 247
BRECKENR1DGE BM: 541, 3472
BRECKWOLDT M: 472, 2248
BREEMEN C VAN: 473
BREESE GR: 765
BREITENECKER G: 613
BREMAN J: 143
BREMME C: 1339
BREMNER CG: 1844
BRENNAN LP: 1134
BRENNAN MJ: 474
BRENNER H: 2565
BRENNER WE: 475-476, 1143
BRESNAN MJ: 3604
BRESS NM: 477
BRESSLER RS: 478
BRET P: 479
BRETELLE J: 480
BRETON J: 1123
BREWER JI: 1780
BREZINOVA V: 2841
BRICKMAN A: 3597
BRICKMAN AS: 481
BRIDSON WE: 271
BRIERE J: 1469, 1471
BRIERE J: 3873
BRIGGS M: 482
BRIGGS MH: 483
BRINK HO: 1751
BRINKLEY BR: 189
BRINSFIELD TH: 484
BRISMAN R: 485
BRISSENDEN JE: 3593
BRITTON HG: 52-54
BRITUAN IAM: 486
BROBERGER O: 91
BROCHER1OU C: 620
BROCK WA: 572
BRODIE HJ: 3476
BRODIN A: 3734
BRODKIN RH: 487
BRODTKORB C: 488
BROE GA: 2034
BROELL JR: 2542
BRONSCH T: 1709
BRONSTEIN R: 489
BROOK CG: 490
BROOKE RI: 491
BROOKE S: 2400
BROOKS JR: 492-493
BROOKS PH: 766
BROOKS SC: 1340
BROSKIN KD: 2278
BROSNAN ME: 494-495
BROUSSARD EA 2D: 1562
BROUSSIN J: 496
BROUSTET JP: 497
BROWN AA: 498
BROWN AM: 3007
BROWN BL: 3149
BROWN DJ: 499
BROWN ES: 500
BROWN GF: 3791
BROWN H: 501
BROWN J: 502, 2422, 4052
BROWN JJ: 503, 2108
BROWN JS: 3767
BROWN MH: 504
BROWN ML: 505
BROWN MR: 506
BROWN R: 3511
BROWN RC: 507
BROWN RD: 3021
BROWN RE: 508, 3160
BROWN RG: 509
BROWN-GRANT K: 510
BROWNBILL D: 1555
BROWNIE AC: 452
BROWNING HC: 3852
BROWNLIE BE: 2415
BRUCE-ROBERTSON A: 1832
BRUCHOVSKY N: 3198
BRUCKMANN RH: 1609
BRUDENELL M: 4021
BRUECKNER DA: 4091

BRUEZIERE J: 511
BRUGGEMANN J: 512
BRUIJN HW DE: 513
BRUIN M DE: 514
BRUMBAUGH PF: 515
BRUMMER HC: 516
BRUNA J: 1622
BRUNELL PA: 517
BRUNNER H: 516
BRUNNING RD: 519
BRUNO OD: 768
BRUNSCHWIG A: 701
BRUNZELL JD: 225
BRUSCHKE G: 3435
BRUST-CARMONA H: 3087
BRUX J DE: 520
BRYAN HS: 521
BRYAN JH: 522
BRYANT FL: 523
BRYANT JI: 3763
BRYANT LP: 4337
BRYDEN MM: 524
BRYON PA: 1471
BUBLII VP: 525
BUCHANAN B: 526
BUCHANAN WE: 665
BUCK FN: 1066
BUCKMAN MT: 527
BUCKMASTER JM: 1133
BUCKNER CD: 3763
BUCKWALTER JA: 3907
BUCUR AI: 528
BUDKEVICH IUV: 3937
BUDOWSKI P: 3621
BUERGER PB: 529
BUEZKO I: 1272
BUGBEE NM: 1023
BUHI WC: 3692-3693
BUHLER EM: 530-531
BUHLER R: 532
BUJAK JS: 533
BUKHMAN AI: 534
BULBRING E: 535, 3835
BULBROOK RD: 474, 536
BULKLEY GJ: 3199
BULL G: 1704
BULL JM: 1214
BULLOCK J: 1045
BULLOUGH PG: 1067
BUNIATOVA IM: 537
BUNIN KV: 536
BUNTNER B: 1394
BURAIA TI: 4347
BURCH GE: 539
BURDE RM: 3769
BURDICK JF: 4196
BURDOWSKI A: 938
BURFORD GD: 2634
BURGER A: 540, 4282
BURGER HG: 156, 1659, 2956, 3356
BURGER MM: 541
BURGERT EO JR: 1661
BURGESS L: 542
BURGI H: 543
BURGOON CF JR: 3076
BURKARD WP: 3066
BURKE CW: 1260
BURKE EF: 544
BURKE G: 3394
BURKE WJ: 545
BURKHARDT H: 4179
BURKLE JS: 634
BURLET C: 3216
BURMEISTER P: 546
BURN JI: 1296, 2844
BURNETT V: 547
BURNHAM DB: 3753
BURNS RE: 548
BURNS-COX C: 2668
BURNY F: 549
BURRI PH: 550
BURROWS L: 551
BURRY JN: 552
BURRY VF: 1042
BURSLEM RW: 3542
BURSSENS A: 902
BURSTYN PG: 1721
BURTON WY JR: 553
BURZAWA-GERARD E: 1165
BURZELIC Z: 554
BUSBY N: 2940
BUSCH RD: 493
BUSELMEIER TJ: 3323
BUSH GH: 2796
BUSHKOVA MM: 555
BUSHONG S: 556
BUSS IO: 2838
BUTCHER RL: 4250-4251
BUTCHER RW: 595, 1670
BUTENANDT O: 557
BUTLER AG: 2386
BUTLER EB: 558
BUTLER M: 3737
BUTTERWORTH CE JR: 559
BUTTERY BW: 560
BUTTRAM VC JR: 317
BUXBAUM DM: 561, 4307
BUYNISKI JP: 562
BUZNIKOV GA: 563
BYAR DP: 1964
BYE PG: 564
BYGDEMAN M: 246, 565, 4263
BYKOVA IA: 2091
BYRON JW: 566
BYRON R: 2176

C

CAASI PI: 567
CABROL C: 1320
CACHIN O: 1495
CACICEDO EGUES L: 1060
CADE R: 568
CADY B: 569
CAIN JA JR: 922
CAIN JP: 282, 1040
CALAMERA JC: 394, 570
CALARESU FR: 2636
CALDERON E: 1064
CALDERON P: 1370
CALDWELL BV: 72-73, 207, 571-572, 2840, 4370
CALDWELL JC: 573
CALEEL GT: 574
CALI RW: 575
CALIGARIS L: 576
CALISSANO P: 51
CALLAHAN CJ: 3149
CALLENDER CO: 3323
CALLINGHAM BA: 577
CALNE RY: 23
CALVIN H: 243
CALVO J: 578
CAMARATA SJ: 3674
CAMERON E: 53, 579
CAMILLERI JP: 49
CAMMERMEYER J: 580
CAMPBELL JB: 581
CAMPBELL PS: 582
CAMUS D: 4165
CANADA AT: 583
CANALES ES: 584, 4334-4335
CANELLAKIS ES: 238
CANET L: 44
CANIVET J: 585
CANLORBE P: 1643
CANNON DC: 4258
CANNON FD: 3153
CANTALAMESSA L: 586
CANTOR B: 1639
CANTU JM: 587
CAPEL-EDWARDS K: 586
CAPOBIANCO S: 1530
CAPPELLA L: 589
CAPRARO VJ: 717
CAPRI C: 133
CAPUTO MJ: 590
CARAWAY WT: 591
CARBONE E: 1525
CARBONE P: 760
CARDINALI DP: 1761, 2740, 3294
CARDINAUD JP: 592
CARE AD: 4212
CAREW LB JR: 1177
CAREY LC: 593
CAREY NH: 766
CAREY RW: 1661
CARLESS JE: 594
CARLSON LA: 595
CARLSSON A: 668, 3657
CARMAN JS: 596
CARMEL PW: 4352
CARNES WH: 1506
CARPENTER AT: 597
CARPENTER J: 2962
CARPENTER S: 1149
CARRARO U: 2484
CARRE A: 4156-4157
CARRILLO G: 4325
CARROL CJ: 2023
CARSON SH: 596
CARSTENSEN H: 599
CARTER CO: 600
CARTER D: 3367, 3892
CARTER DC: 601
CARTER ME: 561
CARTY MJ: 3543
CARUSO LJ: 3268
CARUSO VG: 3762
CARVALHO S DE: 602
CASARA D: I054
CASATI C: 603
CASCARDO S: 1446, 3724
CASEY J: 3808
CASEY KL: 604
CASPERSSON T: 605
CASPI E: 4227
CASSILETH PA: 606
CASSUTO JP: 607
CASTEELS R: 473
CASTENFORS J: 608
CASTLEMAN B: 609, 3410
CASTRO GA: 2346
CASTRO CASTRO J: 2830
CASTRONOVO FP JR: 610
CATALA S: 611
CATANESE A: 2287
CATAR G: 2525
CATER DB: 93
CATT KJ: 286, 962, 2564, 2701
CATTO GR: 612
CAUCIG H: 613
CAUJOLLE F: 614
CAULFIELD JB: 4035
CAVANAGH GC: 2410
CAVANAGH RL: 562
CAVANNA A: 2646
CAVAZZUTI GB: 589
CAVE A: 4152
CAVENESS WF: 3231
CAVES PK: 344, 615-616
CAZZOLATO G: 133
CECH O: 617
CEDARD L: 1740
CEKAN Z: 616
CELIK Z: 1645
CENEDELLA RJ: 4251
CENKOVA V: 4042
CEREMUZYNSKI L: 4005
CERESA F: 62
CERILLI J: 619
CERNE F: 3426
CERNEA P: 620
CERNY M: 622
CERNY M: 2332
CERUTTI P: 621
CERUTTI S: 1363
CERVEN J: 1324
CERVENKA J: 622-623
CESARZ TJ: 1
CESSION-FOSSION A: 3246
CHAHIL A: 1995
CHAIGNEAU M: 3981
CHAKRABARTI AK: 624
CHAKRABURTTY S: 2706
CHALKLEY R: 1708
CHALLIS JR: 625-626
CHALUPA LM: 627
CHALVARDJIAN A: 628
CHAMBERLIN WB JR: 1930
CHAMLA-SOUMENKOFF J: 2436
CHAMLEY WA: 1133, 1659, 3358
CHAMPAGNAT J: 269
CHAMPION S: 1588
CHAMPNESS LT: 762
CHAN MM: 658
CHAN SI: 2399
CHAN SW: 629-631
CHANDEL RD: 3676
CHANDLER ML: 632
CHANDLER P: 4071

CHANDLEY AC: 633
CHANDOLA A: 3901
CHANDRA J: 1031
CHANDRA R: 392
CHANDROSS R: 3866
CHANG JC: 634
CHANG MC: 2628
CHANSEAU JC: 375
CHAPEKAR TN: 3146
CHAPELLE A DE LA: 635
CHAPLIN DM: 756
CHAPMAN A: 1461-1462
CHAR DC: 3353
CHARACHON R: 636
CHARAN A: 3606
CHARD T: 59, 1322, 4021
CHARKES ND: 637
CHARLES D: 638
CHARLEUX J: 639
CHARNOT Y: 640
CHARNYI AM: 641
CHARRIER MF: 2694
CHASALOW FI: 642
CHASAPAKIS G: 643
CHASHCHINA AP: 423
CHASSAN E: 296
CHATAGNER F: 2239
CHATEAU D: 106, 644
CHATFIELD WR: 3252
CHATKOFF ML: 645
CHATTERJEE AK: 646
CHATTERJEE GC: 647
CHATTERTON RT JR: 648-649
CHATTORAJ SC: 4266
CHAUDHRY AP: 3532
CHAUDRY MA: 650
CHAURAND JP: 651
CHAUSSAIN JL: 652-653, 1643
CHAVIS RM: 2762
CHAYEN J: 654, 3161
CHEAH JS: 655
CHEF R: 3904
CHELI R: 656
CHEL'TSOV VV: 2643
CHEMODANOV VI: 2001
CHEN AT: 657
CHEN CY: 3600
CHEN KP: 3800
CHEN M: 656
CHEN S: 659
CHEN Y: 3162
CHENEY DL: 660
CHENG WD: 2236
CHEON YS: 661
CHEREN'KO MP: 662
CHEREVKO SA: 663
CHERKASHINA OS: 4072
CHERNESKY MA: 4002
CHERNIAEVA TS: 2336
CHERNICK V: 4065
CHERNISHEVA NE: 664
CHERTOW BS: 665, 2647
CHERVU LR: 666
CHEVILLARD C: 2563
CHIANG WT: 667
CHIBBER BA: 666
CHIBRIKIN VM: 2486
CHICCO CF: 669
CHIDAMBARAM S: 670
CHIEFFO V: 4039
CHIEN SF: 3558
CHIGALEICHIK AG: 3741
CHIGOT PL: 671
CHIKVASHVILI AM: 672
CHIN AK: 673
CHIN TD: 1669
CHINN RH: 503
CHINOY NJ: 327
CHIRVASIE R: 2968
CHITTINAND S: 2822
CHIU J: 474
CHMELNIZKY OK: 675
CHMIELECKI A: 676
CHODERA L: 677
CHOHAN MR: 676
CHORVATH V: 2665
CHOU C: 679
CHOW CK: 680
CHOWDHURY MN: 661
CHOWDHURY RR: 176
CHRAMBACH A: 270-271
CHRETIEN FC: 682
CHRISS JW: 683
CHRISTENSEN CB: 684
CHRISTENSEN NJ: 685
CHRISTENSON RK: 686, 3408
CHRISTIAENS JL: 2240
CHRISTIANSEN C: 687
CHRISTIANSEN CL: 4196
CHRISTIANSEN RL: 3875
CHRISTIANSEN RO: 1650
CHRISTIE S: 633
CHRISTODORESCU D: 3093
CHRISTOFOROV B: 1216
CHRISTOT J: 2639-2640
CHRISTOV K: 686
CHU EW: 3043
CHU LL: 2402
CHUDAKOV MI: 689
CHUDINOVSKAIA GA: 690
CHUGAI GN: 1366
CHWIROT E: 677
CHYTIL F: 1330
CIANCAMERLA G: 656
CIANFRIGLIA F: 691
CIARANELLO RD: 692-693
CIER JF: 4090
CIERNIEWSKI C: 694
CIESIELSKI-TRESKA J: 1635
CIOFALO FR: 695
CIRKSENA W: 2077
CIRSTEA M: 696
CIVATIE J: 697
CLABOUGH JW: 696
CLARK AJ: 1633
CLARK BF: 699
CLARK CM JR: 700
CLARK DE: 1404
CLARK DG: 701
CLARK JF: 58
CLARK JH: 74
CLARK JL: 3838
CLARK PL: 2416
CLARK RL: 1651
CLARK RP: 4236
CLARK SJ: 1916
CLARKE DE: 702
CLARKE RS: 703
CLARKSON DR: 704
CLARY JJ: 705
CLASSEN HG: 706
CLASSEN M: 947
CLAVERT A: 707
CLAYSON DB: 708
CLAYTON DG: 796
CLAYTON RB: 940
CLEDES MJ: 592
CLEMENS JA: 4200
CLEMENS LG: 745
CLEMENT F: 709
CLEMENTS AS: 710
CLER F: 376
CLERMONT A: 479
CLIFFORD JM: 711
CLIFT RA: 3763
CLINE EM: 1389
CLOUTIER G: 1277
CLOUTIER MD: 3067
COBAU CD: 2117
COBB MA: 2952
COBURN JW: 481, 2519, 3597, 4176
COCHETON JJ: 3080
COCHRANE RL: 3630
COCKBURN F: 154, 1194
COCKRELL JV: 57
COCULESCU M: 712
CODEGONI AM: 354
COERDT I: 1603
COFARU D: 713
COFFELT CF: 3742
COFFMAN JR: 714
COGHLAN JP: 4290
COHEN A: 2279
COHEN BE: 2951
COHEN BI: 1652
COHEN EL: 747-749
COHEN IR: 3726
COHEN J: 715
COHEN JA: 2282
COHEN M: 716
COHEN MI: 3368
COHEN MM: 717
COHEN NM: 54
COHEN P: 716
COHEN SH: 719
COHEN SM: 720, 1309
COHN CK: 721
COHN DV: 2402
COHN JN: 2307
COHN SE: 734
COHN SL: 1158
COKELAERE J: 2216
COLASANTI BK: 722
COLBERT JW JR: 723
COLBY HD: 724
COLCOCK BP: 725
COLE DJ: 766
COLE DR: 667
COLE P: 2422
COLEMAN MJ: 3808
COLEMAN V: 1005
COLEONI AH: 726
COLETTI JM JR: 2799
COLFESCU S: 2226
COLHOUN EH: 2377
COLIGIANNI A: 3916
COLLAN Y: 727
COLLETT RA: 728
COLLIER JG: 729-730, 3251
COLLIER PS: 731
COLLINS EJ: 732
COLLINS JA: 733
COLLIPP PJ: 734, 3911
COLLU R: 735
COLNAGHI MI: 736
COLOMBO C: 1765
COLRAT P: 639
COLWELL RE: 500
COMAN C: 737
COMBET-FARNOUX C: 1282
COMBS JW: 3125
COMINI E: 76
COMPTON WA: 738
CONACHER WD: 739
CONDE RD: 740
CONDIE MW: 741
CONDON PI: 742
CONDOS P: 743
CONEN PE: 4034
CONGER J: 744
CONIGLIO LP: 745
CONN J JR: 746
CONN JW: 747-749
CONNELL GM: 750
CONNELL RS JR: 3906
CONNELLY TG: 751
CONNER LA: 1368
CONNOLLY RJ: 752
CONNOR TB: 2221
CONRAD J: 2996
CONS J: 2098
CONSTANTINESCU A: 753
CONSTANTINESCU I: 2479
CONSTANTINESCU L: 761
CONSTANTOPOULOS G: 1268
CONTE D: 1185
CONTE FA: 911
CONTE M: 754, 2298
CONTE-MARTI J: 2296
CONTESSA AR: 755
CONVERY FR: 756
CONVEY EM: 757, 1776, 3569
CONWAY J: 758
CONWAY LW: 759
CONWAY M: 527
COOK GH: 4275
COOK JM: 2975
COOK S: 760
COOK WA: 3690-3691
COOKE CR: 761, 4143
COOKE RA: 762
COOKE WT: 763
COOMBS MM: 764
COOMBS RV: 1256
COONEY D: 4112-4113
COONEY DA: 3407
COOPER BR: 765
COOPER DW: 1700
COOPER DY: 3429
COOPER KJ: 766-767

COOPER MD: 1856
COOPER MR: 2189
COOPERMAN BS: 1609
COOVER GD: 2274
COPE C: 719
COPE O: 3082
COPINSCHI G: 768, 774
COPP DH: 255, 4212
COPPER PH: 2733
CORAN AG: 769
CORBIN A: 2387
CORBIN JD: 770, 3663
CORCORAN ME: 4127
CORDER MP: 771
CORDONNIER V: 772
CORDOVA T: 3470
CORDRAY D: 3488
CORKER CS: 52
CORMAN J: 1445, 1519, 3724
CORNELIS G: 3778
CORNEO G: 773
CORNETTE C: 241, 391
CORNIL A: 774
CORNU F: 775
CORONEOS NJ: 1941, 3998
CORTELLARO M: 773
CORTES-GALLEGOS V: 778-777, 2879
CORTI R: 1608
CORVOL P: 778
COSGROVE MD: 779
COSTA A: 1485
COSTA E: 680
COSTA G: 780, 2189
COSTA J: 3877
COSTA M: 1243
COSTA VP: 802
COTOI S: 781
COTRUFO R: 782
COTTRELL GA: 315, 2880, 3826
COUDERT SP: 783
COUSIN D: 1466
COUTELIER L: 784
COVELLI MD: 3578
COWIE AT: 1882
COX LW: 785
COX RF: 788
COX RI: 3577
COX RP: 1311
COXON RV: 3029
COYOTUPA J: 2941
COZANITIS D: 787
CRABBE J: 788
CRABBE P: 789
CRAFT I: 790-791
CRAFT IL: 462
CRAIG A: 792
CRAIG CR: 722, 1753
CRAIGE E: 983
CRAMER H: 793
CRANDALL BF: 794
CRAVERI F: 901
CRAVITZ B: 837
CRAWFORD JD: 406
CRAWFORD JS: 795
CRAWFORD MD: 796
CREMIN BJ: 797
CRIGLER JF JR: 3976
CRIMSLEY DL: 798
CRISP TM: 799
CRISPIN M: 2951
CRISS WE: 800
CRITCHLOW V: 992
CROCKER DW: 801
CROCKER JM: 802
CROFT CJ: 764
CROKER KP: 803
CROS S: 814
CROSNIER J: 908
CROSSLEY HL: 804
CROUSAZ G DE: 805
CROVATO F: 806
CROW TJ: 807
CRUESS RL: 808
CRUZ ML: 809
CRYER PE: 704, 789
CSABA B: 2724
CSABA I: 810
CSAPO AI: 811-815
CSEPLI J: 3830
CSEPLY J: 815
CUARON A: 3977
CUATRECASAS P: 818, 3888
CUILLIERE L: 817
CULBERT J: 818
CULP NW: 771
CUMMING IA: 1133, 1859
CUNNINGHAM DD: 3927
CUNNINGHAM FJ: 1244
CURCHOD A: 819
CURET LB: 820
CURRARINO G: 4180
CURREY JD: 821
CURRIE WB: 822-823
CURTI V: 734
CURTIN RA: 593
CURTIS GC: 1129
CURWAIN BP: 824
CURZEN P: 825
CUTHBERT AW: 828
CUTLER RS: 827
CUTTNER J: 1861
CYBULSKY DL: 828
CYMERSKI Z: 829
CYRAN W: 830
CZAKO F: 3987-3968
CZARNECKA M: 3108
CZEKALA Z: 831
CZERNOBILSKY B: 1398, 2565
CZERNY EM: 1440
CZERWINSKI C: 905

D

DACIE JV: 832
DADASHEV FA: 1278
DAESCHNER CW JR: 833
DAGHER F: 1198
DAHL V: 897
DAHLIN DC: 968
DAHM CH JR: 1728
DAHMS WT: 834
DAI ME: 1364
DAIKOKU S: 835, 2864
DAINIAK N JR: 2823
DAKEEV MK: 2885
DALAL FY: 284
DALERY J: 838
DALESSIO DJ: 837
DALLENBACH FD: 838
DALLMAN MF: 839
DAM H: 3088
DAMADIAN R: 2814
DAMIAN E: 840
DAMODARAN VN: 2821
DAMON RA JR: 1284
DANCIS J: 841, 3446
DANES BS: 842
DANGUBIC V: 138
DANIEL JW: 843
DANIELS VG: 844-845
DANIELSON BG: 859
DANIELSSON H: 358
DANILENKO MV: 846
DANON M: 406
DANOWSKI TS: 847, 1145
DANSCHER G: 848
DANZ M: 849
DA PRADA M: 311
DAPUNT O: 3190
DARDENNE M: 142
D'ARMIENTO M: 850
DAROCY A: 3823
DAROVSKAIA MG: 934
DAS RM: 851-852
DASHEV G: 3717
DASHKIVSKAIA VI: 3581
DATE Y: 4135
DATI FA: 2540
DATTA AG: 178
DATTA KK: 928
DATTA SC: 848
DAUGHADAY WH: 4335
DAUGHERTY RM JR: 1041
DAUM F: 3368
DAVEY KG: 1748
DAVID L: 3322
DAVID M: 853, 3322
DAVIDIUK V: 408
DAVIDOFF M: 854
DAVIDSON CS: 855
DAVIDSON D: 1601
DAVIDSON F: 858
DAVIDSON JM: 510
DAVIDSON MB: 857-858
DAVIDSON MF: 4294
DAVIES C: 2945
DAVIES DL: 2108
DAVIES DM: 859
DAVIES DR: 860
DAVIES DW: 881
DAVIES HF: 882
DAVIES J: 883
DAVIES MJ: 588
DAVIES P: 864
DAVIES VJ: 885
DAVIS AH: 888
DAVIS AT: 573
DAVIS CL: 4204
DAVIS DL: 3238
DAVIS HL JR: 887
DAVIS JM: 1827
DAVIS JN: 868
DAVIS JO: 1387, 3528
DAVIS JW: 545
DAVIS PJ: 889
DAVIS RC: 4198
DAVIS RD: 3407
DAVIS RH: 870-871
DAVIS RP: 2878-2879
DAVIS SL: 430-431, 872
DAVISON MC: 888
DAVISON P: 873
DAVYDOV SN: 874
DAVYDOVA SI: 875
DAWBORN JK: 15, 499
DAWIDIUK W: 4327
DAWSON CR: 1005
DAWSON KB: 3284
DAWSON WG: 878
DAY BN: 688
DAY NK: 1097
DAY SB: 1097
DAZORD A: 3351
DE ALVAREZ-BUYLLA ER: 889
DEAN PD: 877
DEAVEN LL: 878
DEBELJUK L: 98, 879-880
DEBONS AF: 881
DEBRA D: 2982
DE CESPEDES C: 1064
DECHEF G: 3776
DECHEVA Z: 882
DECKER DG: 4188
DECKER JL: 533
DECONNINCK B: 1281
DE CROMBRUGGHE B: 883-884
DEDOV II: 4106
DEFEUDIS FV: 885
DEGENHARDT KH: 1705
DEGIORGI LS: 3588
DEGNAN M: 842
DEGNAN TJ: 1861
DE GROAT LJ: 3073
DE GROAT WC: 3399
DEGROSSI OJ: 2588
DE HEMPTINNE D: 3904
DEIS RP: 811
DEISS WP JR: 3462
DEJESUS PV: 3305
DEKKER A: 2206-2207
DE KLERK JN: 3452
DEKNUDT G: 1795, 2259
DE KRETSER DM: 158
DE LA CHAPELLE A: 886
DELALOYE B: 353
DE LA RIVA IJ: 897
DELATTRE B: 4074
DE LAURENZI A: 2486
DE LA VEGA C: 2188
DEL CAMPO CH: 887
DEL CONTE E: 888
DELCOURT R: 2436
DE LELLIS R: 3821-3822
DELELLIS RA: 2300
DELEON I: 889
DELGADO URDAPILLETA J: 4036
DEL GRECO F: 746
DELLACHA JM: 740
DELLA CORTE F: 890
DELLA CORTE L: 577

AUTHOR INDEX

DELLA PORTA G: 736
DELLING G: 891
DELOMEZ M: 4157
DELOOZ H: 67
DEL POZO CRESPO F: 3100
DELUCA HF: 329-330, 1689, 2853, 2856
DELUCA HF: 3861
DE MAEYER E: 343
DE MATTEIS F: 892
DE MAYO AP: 1302
DEMEESTER G: 1014
DEMENY P: 2742
DEMEULENAERE L: 893
DEMISCH K: 894
DEMLING L: 947
DENARI JH: 895, 3294
DE NAYER P: 896
DENENBERG VH: 582, 3555, 4337
DE NICOLA AF: 897
DENK H: 3409
DENKO CW: 898
DENNIS KJ: 899, 2019
DENNIS SM: 2813-2814
DENT TL: 2107
DENTON DA: 3576, 4290
DENTON RM: 2504
DENYS FR: 799
DEO MG: 2033
DEODHAR S: 3262
DEOL MS: 900
DE PALO C: 1103
DE PASCALE V: 901
DE PEREZ BEDES GD: 3294
DEQUEKER J: 902
DEQUESADA A: 568
DER R: 1650
DERIBREUX J: 44-46
DERMODY WC: 1751
DE ROBERTIS E: 2829
DE ROO M: 3699
DE ROSA C: 3107
DERRICOURT RM: 903
DERUBERTIS F: 2206
DESAI DV: 1534
DESAI PB: 904
DE SANTIS RA: 905
DESBONNETS P: 4074
DESBUQUOIS G: 2187
DESCAMPS B: 906
DESCROZAILLES C: 2179
DESHMUKH K: 907
DESHPANDE N: 474, 2844
DE SILVA K: 2437
DESJARDINS C: 2897
DESMARIS-DELECRAZ D: 640
DESMONTS JM: 3885
DE SOMER P: 343
DESSAINT JP: 2240
DESSOUKY DA: 799
DESSYPRIS A: 787
DESTENO CV: 908
DETENBECK LC: 909
DETH R: 473
DETIUK ES: 910
DETLAF TA: 35
DETOLLE P: 128
DEUIL R: 3990
DEVELING AJ: 911
DEVENEY CW: 3457
DEVINE CE: 912
DE VISSCHER M: 896
DEVITA VT: 913
DEVRED C: 307
DEW JA: 4148
DEWAR AD: 914
DEWEESE MS: 1951
DEWEY WC: 2237
DEWHURST CJ: 915
DEWHURST F: 916
DE WIED D: 412
DEY-HAZRA A: 3449
DEYSINE M: 917
DHADIAL RK: 48
DHAINAUT A: 918
DHARIWAL AP: 4175
DHASMANA KM: 919
DHERMY P: 424
DHINGRA LD: 1392
D'IACHENKO RO: 1460
DIAKOWSKI J: 1876
DIAMANT YZ: 3063
DIAMENT J: 2964
DIAZ A: 1359
DIAZ GALVEZ M: 138
DIAZ INFANTE A: 4036
EL-DIB SK: 3489
DICK AL: 3511
DICKENS DR: 2816
DICKEY RP: 2615
DICKINSON RJ: 2680
DICKMAN PS: 368
DICKMANN Z: 920-921
DICKSON ER: 922
DICKSON RA: 923
DICZFALUSY E: 618, 1055
DIDENKO LV: 3936
DIDIER MF: 1449
DIDIERLAURENT A: 639, 1748
DIEBOLD J: 307
DIERSCHKE DJ: 924
DIERSCHKE DK: 1916
DIES F: 2761, 4073
DIETERLEN M: 435
DIETZ V: 4105
DIETZE U: 925
DIKSHIT SK: 1479
DIKSHITH TS: 926
DILLARD CJ: 1154
DILMAN VM: 927
DILUZIO NR: 2358
DIMIC M: 928
DIMITRIU M: 737
DIMITROW L: 929
DIMOND MT: 255
DIMOVA-CAPKANOVA P: 930
DINABURG GD: 2441
DINGELL JV: 931
DINIZ CR: 1364
DINNENDAHL V: 3450
DIPASQUALE G: 3160
DISTEFANO V: 661
DIUGUID LI: 1501
DIVERTIE MB: 100
DIXON FJ: 1904
DIXON GH: 2362
DJALDETTI M: 2286
DJOSELAND O: 1539
DLUHY RG: 282
DMITRIEV IM: 932
DOBBINS MC: 3234
DOBOZY A: 3447
DOBRESCU O: 3103
DOBRIN BIU: 933
DOBRINOV H: 737
DOBROTINA AF: 934
DOBROTKA G: 935
DOBSON EL: 938
DOCKX P: 937
DODD JM: 4246
DODS RF: 938
DOE RP: 3605
DOENCH K: 939
DOERING CH: 940
DOERR P: 4265
DOI S: 3845
DOIGNON J: 2225
DOKUMOV S: 3714
DOLBY AE: 941
DOLEZALOVA H: 942
DOLFINI E: 603
DOLINSKI J: 943
DOMANSKI E: 944-945
DOMANY S: 610
DOMASHENKO ZD: 407
DOMM BM: 946
DOMSCHKE S: 947
DOMSCHKE W: 947
DON M: 753
DONADIO JV JR: 3865
DONALD RA: 948
DONALDSON CL: 1540
DONALDSON EM: 1165
DONALDSON J: 1803, 4297
DONATH K: 891
DONATO L: 334
DONG E JR: 344, 615-616
DONLEY RF: 949
DONNADIEU M: 1390
DONNELLY TE JR: 950-951
DONNEZ J: 3914
DONOHUE RE: 952
DOORENBOS NJ: 953
DOPPMAN JL: 341
DORENBOS J: 954
DORFMANN H: 1463, 3265
DORIA G: 1263
DORMER RA: 955
DORN CR: 2629
DORNER G: 956-957, 3267, 3706
DOSTAL C: 958
DOSTAL M: 959
DOTCHEV D: 960
DOTTIN RP: 961
DOUAY B: 962
DOUCET D: 1318
DOUGHERTY MJ: 963
DOUGLAS JR JR: 964
DOUGLAS JS: 965, 1285
DOUGLAS S: 744
DOWLING RH: 1033
DOWNIE R: 193
DOWNING DT: 966
DOWNS P: 469
DOYLE AE: 967, 1288
DOZOIS RR: 968
DRABLOS PA: 969
DRAKE RM: 2709
DRAPER MH: 4294
DRASH AL: 3468
DRAY F: 1495
DRAZNIN B: 970
DREIFUSS JJ: 2534
DREILING DA: 1939-1940
DRENKHAHN E: 345
DRESS D: 971
DREWETT RF: 972
DREYER C: 1382
DREYFUS G: 630
DREYFUS JC: 3052
DREYFUS P: 3265
DREYFUSS J: 973
DREZNER M: 2767
DROBNJAK P: 974, 3117
DROPOWA K: 3336
DROST M: 975
DROZDOVYCH II: 976
DRUCKER WD: 392
DRUMMOND KN: 674
DRY J: 3001-3002
DUAX WL: 2050, 4172
DUBBELDAM JL: 1917
DUBNICK B: 1351
DUBOIS RS: 1385, 1445
DUBOST C: 977
DUBOVSKY D: 978
DUBOVSKY J: 979
DUBUISSON L: 980
DUCASSOU G: 377
DUCAYEN MB: 1613
DUCHARME JR: 735
DUCKMAN S: 981
DUFAU ML: 284, 982
DUFFY T: 3030
DUFOUR RJ: 3417
DUFRESNE JJ: 1308
DUFY B: 983
DUFY-BARBE L: 984-985
DUGGIN GG: 3548
DUHAULT J: 986
DUHEILLE J: 617, 989
DUHRING JL: 987, 3701
DUKELOW WR: 1840
DULAR R: 2171
DULBERG M: 988
DULUC AJ: 990
DUMA I: 141
DUMARS KW: 16
DUMITRESCU-PAPAHAGI E: 696
DUMONT F: 989
DUMONT M: 718
DUNAVANT BG: 669
DUNBAR LM: 153
DUNLAP JL: 990
DUNN EL: 991
DUNN HO: 2206
DUNN J: 992
DUNNIGAN MG: 3094
DUNNILL MS: 3655
DUNPHY JE: 3457
DUPLIK ZK: 1334

DUPONT E: 3203
DUPREY J: 2368
DUPUIS C: 4157
DUQUESNEL J: 1470
DURING B: 2330
DURON B: 993
DURRSCHMIDT V: 994
DUSLEAG L: 2948
DUSTAN HP: 9, 995, 3864
DUTRIEUX N: 1471
DUTRILLAUX B: 996
DUTTAGUPTA PN: 2963
DUZHAK VH: 180
DVORACKOVA I: 997
DVORAK M: 998
DWOSKIN JY: 999
DWYER JT: 1000
DYKOVA H: 1001
DYM M: 1002
DYRENFURTH I: 1639
DZIDA J: 1742

E

EALES JG: 1647
EANES ED: 3897
EAPEN J: 1003
EARLE JD: 1004
EAST AG: 3878
EASTERBROOK M: 1005
EASTERLING WE JR: 1006
EBASHI S: 1007
EBBESSON SO: 1397
EBEL H: 706
EBERT R: 2567
EBLING E: 1008
EBLING FJ: 1008
ECCLESTON D: 3563
ECKLUND PS: 3008
ECKSTEIN B: 1009
ECONOMOU SG: 239
EDDY HA: 2440
EDELBROCK HH: 1134
EDELMAN IS: 1106
EDGE WE: 1395
EDGERTON LA: 1010
EDGREN RA: 1864
EDSTROM K: 1011
EDWARDS A: 1012
EDWARDS K: 3828
EDWARDS PA: 1013
EDYGENOVA AK: 4107
EECHAUTE W: 1014
EECKELS R: 3106
EFFERT S: 3327
EFIMOV AS: 1015, 2055
EFREMOV MA: 1016
EFROIMSON VP: 1017
EGASHIRA Y: 3790
EGBERT B: 1045
EGDAHL RH: 1645
EGE A: 1771
EGGERMONT E: 3106
EGUCHI Y: 1018
EHRENBRAND F: 1019
EHRHARDT G: 1299
EHRLICH GE: 719
EHRLICH HP: 1020
EHRLICH RM: 1021
EICH EF: 1422
EICHBERG J: 1022
EICHELMAN B: 1023
EICKELER R: 4342
EICKHOFF TC: 75-76
EIJSVOOGEL VP: 2247
EILS J: 1024
EIMER H: 1025
EINARSSON K: 1028
EINHORN LH: 1027
EISAN JS: 2891
EISELE R: 1028
EISENFELD AJ: 417
EISENSTEIN R: 239
EISNER JW: 1029
EKPECHI OL: 1030
EKUNDAYO O: 3033
ELCE JS: 1031
ELCOCK HA: 2973
ELEFTHERIOU BE: 1032
ELIAS E: 1033
ELIASON J: 193
ELKINS WL: 1034
ELLAWAY PH: 1035
ELLIOT JM: 4141
ELLIOTT GA: 1036
ELLIOTT M: 47-48
ELLIS BG: 4199
ELLIS GJ 3D: 3910
ELLIS HA: 1037
ELLISON GD: 4331
ELLISTON NG: 501
ELLSASSER JC: 1038
ELLSWORTH HS: 2430
ELLSWORTH LR: 1039
ELMER WA: 2125
ELMORE M: 1305, 2738
ELSTEIN M: 564
ELTON RL: 1256
ELY DL: 1626
EMAMI R: 3891
EMANUEL RL: 1040
EMDIN SO: 3838
EMERSON TE JR: 1041
EMERY RS: 2642, 3589, 3582
EMSLIE-SMITH D: 2418
ENBERG R: 1042
ENDO A: 4298
ENGEL CR: 681
ENGELMANN L: 1043
ENGH CA: 2597
ENGLAND RJ: 1244
ENGLE RL JR: 760
ENGLE RR: 3382
ENGLER JP: 285
ENGLISH JT: 1044
ENIGK K: 3449
ENRIQUEZ R: 1045
ENSINCK JW: 2828
ENZENBACH R: 3436
EPAND RF: 1046
EPAND RM: 1046-1047
EPSTEIN AN: 1048
EPSTEIN CJ: 911
EPSTEIN M: 1049
EPSTEIN S: 976, 2413
EPSTEIN WV: 1050
ERB RE: 3149
ERBE W: 4231
ERBLER HC: 1051
ERICKSON R: 457
ERICSSON JL: 3151
ERICSSON Y: 1172
ERIKSSON H: 1052
ERKOCAK A: 1053
ERLE G: 1054
ERLIK D: 323
ERMINI M: 1055
ERMOLENKO RI: 2344
ERMOL'EVA ZV: 1056
ERNOULD HJ: 3246
ERODI A: 1057
ERSKINE LK: 1717
ESBER HJ: 1058
ESCH GW: 1059
ESCHER GC: 1352
ESCOBAR DEL REY F: 1060
ESIPENKO IP: 1061
ESKILDSEN PC: 1062
ES'KOV IUA: 1772
ESSMAN WB: 1063
ESSNER E: 2851
ESTEL C: 1299
ESTRADA RV: 1323
ESTRADA S: 1064
ETHEREDGE EE: 3572
ETIENNE JP: 1463
EVANS DB: 23
EVANS LH: 1065
EVANS RB: 1066
EVELAND WC: 747-748
EVENNETT PJ: 3925
EVENSON MA: 1067
EVERED D: 1643
EVERED DC: 1068, 2033
EVERHART LP: 3312
EVNINA II: 1798
EVRARD P: 3776
EWERT EG: 1069
EXLEY D: 877
EYEM J: 1070
EYSKENS E: 67
EZDANIAN EA: 1071
EZDINLI EZ: 1534
EZENWA AO: 1072
EZRIN C: 2169

F

FABRE LF JR: 1073
FABRIS C: 1074
FAFLOVA H: 2332
FAGARD R: 67
FAGER CA: 1075
FAGIN RR: 2925
FAHIM I: 1076
FAHIM MS: 1650
FAHMY AR: 664
FAHRINGER EE: 2327
FAILLA D: 1077
FAIMAN C: 763
FAIN JN: 1076
FAINSHTEIN FE: 1079
FAIRMAN D: 1080
FALCK B: 358
FALCK I: 2123
FALK P: 1081
FALKAY G: 1082-1083
FALKSON G: 1861
FALLETTA JM: 1084
FALLIERS CJ: 1085
FALTUS F: 1086
FALVO KA: 1087
FANCHENKO ND: 2158
FANCONI A: 1086
FANCONI G: 1089
FANG VS: 1090
FANTL V: 1091
FARA J: 1092
FARHANGI M: 1093
FARID NR: 1094
FARINA E: 1095
FARINAS BR: 473
FARISS BL: 2647
FARLEY S: 1096
FARMER RW: 1073
FARO L: 3662
FARR V: 699, 2019
FARRELL MF: 1097
FARRELL PM: 1098
FARRELL T: 744
FARRIAUX JP: 4074
FASSOTTE A: 2245
FATRANSKA M: 4265
FATT-HI A: 166
FAUCAULT JP: 1099
FAURE H: 435
FAURE JM: 983-985
FAVARA BE: 1100
FAVRE L: 1101
FAVUS MJ: 1102
FAWCETT AA: 1516
FAWCETT CP: 767, 3798
FEAGIN FF: 908
FEASTER JP: 669
FECHNER RE: 56
FEDER HH: 3584
FEDERSPIL G: 1054, 1103
FEDUSKA NJ: 3994
FEFER A: 1333, 3763
FEINGOLD SM: 1508
FEINSOD M: 3928
FEKETE B: 1104
FEKETE G: 1515
FEKETE T: 713
FELBER JP: 1308
FELDBERG W: 1105
FELDMAN D: 1106-1107
FELDMAN JM: 1108-1109, 2481
FELDMAN M: 3726
FELDMAN S: 1110
FELDMANN H: 1958
FELDMANN HU: 1111
FELL GS: 3015
FELLOWES KP: 588
FELS E: 1112
FELT V: 1113-1115, 4041
FEMENIC B: 1116
FEMINELLA J: 4170
FENCL M DE M: 1117
FENOGLIO CM: 1937

FENYES S: 1116
FERGUSON DN: 1150
FERGUSON GC: 3152
FERGUSON W: 3722
FERIN J: 3914-3915
FERLEMANN M: 3869
FERNANDEZ H: 2576
FERNANDEZ DE RECONDO ME: 1119
FERNANDEZ MARIAS O: 1120
FERNBACH DJ: 3723
FERNLEY HN: 1121
FERNSTROM I: 4263
FERRAND B: 2252
FERRARI F: 2637
FERREBEE JW: 3153
FERREIRA HG: I122
FERREIRO ALAEZ L: 1060
FERRENDELLI JA: 3665
FERRETTI JL: 3113
FERREY G: 1123
FERRIS TF: 619
FEUREMAN E: 1124
FEUSTEL A: 1125
FEYRTER F: 1126
FIALHO DE MELLO MC: 2556
FIALKO G: 16
FIALKOW PJ: 1127, 3763
FIBIGER HC: 2400
FICAT P: 1128
FICHER M: 1129
FIDELINA OV: 39
FIEDLER G: 3740
FIELD JB: 2206-2207
FIELD M: 1965
FIELD RA: 61
FIELDSTEEL AH: 1130
FIGAROVA V: 1722
FIGUEIREDO JG DE: 602
FILATOV AA: 2079
FILBURN CR: 1131
FILIPPOV IUI: 4360
FILIPPOVA VM: 2442
FILL H: 3211
FILOCHE B: 4156
FINBERG L: 2277
FINCH CE: 1132
FINDLAY JK: 1I33, 1659
FINE RN: 1134, 1454
FINGERLAND A: 4106
FINGEROVA H: 3732, 3653
FINIKOVA TA: 410
FINK G: 1487, 3503
FINK JN: 1135
FINKEL PN: 1136
FINKELSTEIN M: 1714
FINKIELMAN S: 1359
FINKLESTEIN J: 3899
FINN AL: 1137
FINN CA: 2507-2506
FINNERTY FA JR: 2701
FIRST NL: 69
FISCH IR: 1138
FISCHER AG: 1139
FISCHER JA: 1140
FISCHER LJ: 37
FISCHER S: 1141
FISCHER-FERRARO C: 1359
FISCHL J: 4058
FISHBEIN L: 50, 1142
FISHBURNE JI JR: 475-476, 1143
FISHER AB: 1144
FISHER DA: 3696
FISHER ER: 647, 1I45
FISHER JM: 3774
FISHER JW: 2965
FISHER L: 3416
FISHER RA: 1146
FISHER S: 4167
FISHMAN AP: 1147
FISHMAN WH: 1148
FISK N: 4296
FITCH N: 1149
FITZGERALD JE: 3411
FITZGERALD PH: 1150
FITZGERALD T: 4314
FITZPATRICK L: 3066
FITZPATRICK RJ: 3539
FITZSIMONS JT: 1048
FLAMENBAUM W: 2077, 3335
FLANAGAN MJ: 1044
FLAX H: 1151
FLEISCH H: 3207
FLEISCHER N: 1152
FLEISCHMAN AI: 1153
FLEISCHMAN RW: 3407
FLEMAL E: 1342
FLETCHER BL: 1154
FLETCHER GH: 3575
FLETCHER J: 633
FLETCHER WS: 2267
FLICK MR: 2597
FLICK1NGER RR: 1
FLINT LD: I155
FLOMAN Y: 2471
FLOOD PF: 1156
FLORES F: 1157
FLOWERS CE JR: 2455
FLOYD WS: 1158-1159
FLUGEL M: 3772
FLUX DS: 1560
FLYNN A: 1160
FLYNN AM: 1161
FLYNN FJ: 642
FLYNN FJ JR: 2896
FOAD HA: 166
FOGEL PI: 3934
FOGELMAN F: 3944
FOK WY: 3194
FOKKER WA: 919
FOLDES J: 1162
FOLEY KE: 1259
FOLKARD J: 17
FOLKERS K: 451
FOLKNER M: 1163
FOMICHEVA LI: 3670
FOM1N LM: 1423
FONBERG E: 1164
FONTAINE J: 2976
FONTAINE JL: 2202
FONTAINE YA: 1165
FONTAINE-BERTRAND E: 1165
FONTANA L: 2466
FONTANA VJ: 1166
FOOTE RH: 2208
FORBES AD: 2002
FORBES TR: 648
FORD CD: 2738
FORD JA: 3094
FORD PJ: 1167
FORER A: 1188
FORET JE: 1169
FORGACS I: 1170
FORREST AP: 2609
FORREST HS: 393
FORRESTER DM: 355
FORSBERG JG: 1171
FORSLING ML: 55, 59
FORSMAN B: 1172
FORST H: 404
FORSTER W: 1173
FORSTNER G: 1174
FORSYTH RP: 2607
FORSYTHE A: 3742
FORTE LR: 1175
FORTEZA VILA J: 2830
FORTI N: 2964
FORTUNE DW: 249, 560, 2219, 3166
FORTUNY A: 65
FORTUYN JD: 1176
FOSS DC: 1177
FOSS GL: 1176
FOSSATI P: 2240, 2322
FOSTER AE: 469
FOSTER CL: 53
FOSTER DL: 2972
FOURNIER A: 1179
FOURNIER-DELPECH S: 1160
FOUTS DW: 1788
FOWLER AK: 1161
FOWLER PB: 1162
FOX M: 454, 3909
FRACKIEWICZ A: 633
FRAGA JR: 1163
FRAGU P: 1164
FRAIOLI F: 1165, 1315
FRAJRIA R: 62
FRALEY EE: 2487
FRALEY S: 4167
FRANCE JT: 955
FRANCESCHINI P: 1074
FRANCHIMONT P: 126, 984-985, 2245, 2761
FRANCIOSI RA: 1100
FRANCIS BM: 1166
FRANCIS CM: 1167
FRANCIS MJ: 1188, 3647
FRANCKSON JR: 1169
FRANCOIS J: 1190
FRANCOIS R: 636
FRANGENHEIM H: 1191
FRANK MM: 122
FRANKI N: 2273
FRANKO EA: 3596
FRANTZ AG: 4352
FRANTZ MM: 3419
FRANZ J: 1705
FRANZINI C: 2942-2943
FRASER DR: 1192
FRASER FC: 2279
FRASER GR: 1193
FRASER HM: 192, 1633
FRASER IS: 1194
FRASER R: 503, 2108, 4167
FRASER TR: 2501
FRASIER DS: 2993
FRASIER SD: 1195
FRAYHA RA: 1196
FREDENS K: 648
FREDERICKSON R: 1933
FREE J: 568
FREE MJ: 1197-1196
FREEDMAN SH: 1138
FREEMAN AG: 1199
FREEMAN R: 1200
FREESE AS: 1201, 1522
FREGLY M: 568
FREI RW: 1581
FREIER DT: 1202, 3994
FREIREICH EJ: 3260
FREMMING BD: 2960
FRENCH EA: 507
FRENCH FS: 1203, 3234
FRENK S: 490
FRENKEL G: 1204
FRENKEL' GM: 1205
FRENKEL' VKH: 4363
FREUND U: 2472
FREY H: 1206
FRIAS JL: 3287
FRIBERG J: 1336
FRIDMAN IA: 3069
FRIED K: 1207
FRIEDEN E: 2232, 2364
FRIEDES D: 3315
FRIEDLANDER RL: 1208
FRIEDLI P: 1252
FRIEDMAN E: 1209-1210
FRIEDMAN GL: 1211
FRIEDMAN PJ: 1379
FRIEDMAN R: 1540
FRIEDRICH F: 613, 1212
FRIEDRICH U: 2791
FRIEDRICHS D: 1213
FRIES JF: 1214
FRIESEN HG: 451, 1490, 3951
FRISCHKORN R: 939
FRITZ G: 1215
FRITZ GR: 3169
FRITZSCHE K: 1216
FROELICHER VF JR: 1217
FROGET J: 1216
FROHLICH AA: 1219
FROHLICH ED: 3864
FROHMULLER H: 1220
FROM A: 881
FROMANTIN M: 2999
FROMENT JC: 479
FRONTCZAK A: 3311
FROSCH B: 1221
FROSCIO M: 2721
FRUHMANN G: 1222
FRUMKES TE: 627
FRUMKIN A: 1124
FRYBERG M: 1223
FRYDMAN R: 1224
FRYE J: 3074
FRYMOYER JW: 1225
FU PC: 2369
FUCHS AR: 1226
FUCHS F: 2213
FUDENBERG HH: 1290-1291

FUERTES-DE LA HABA A: 1227
FUJIMOTO JM: 1228
FUJISAWA H: 3681
FUJITA M: 3981
FUJIWARA K: 1229, 2005
FUKUCHI Y: 1230-1232
FUKUDA H: 1233
FUKUDA M: 3972
FUKUDA T: 1234
FUKUSHIMA T: 1235
FULCRAND J: 1236
FULGRAFF G: 1237-1238
FULLANA N: 993
FULLE HH: 1239
FULLER GC: 604
FUNAZU T: 3848
FUNDER JW: 1106-1107, 4290
FUREY JG: 1240
FURNEAUX RW: 1241
FURNESS ET: 1242
FURNESS JB: 1243
FURNIVAL BE: 3916
FURR BJ: 1244
FURTH J: 1245
FURTSEVA LN: 163
FURUYAMA J: 4009

G

GAAL M: 2210
GABBIANI G: 1246
GABEL H: 2345
GABELLA G: 1247
GADAMSKI R: 1248
GADKARI SV: 3148
GADSKI RA: 1249
GAENSBAUER TJ: 1250
GAGE FH 3D: 1784
GAGNE R: 1251
GAHLEN W: 1455
GAILLARD JM: 1252
GAIND ML: 3602
GAJL-PECZALSKA KJ: 1253-1254
GAL D: 1255
GAL EM: 2599
GALABOV G: 654
GALANTAY EE: 1256
GALASINSKA-POMYKOL I: 1257
GALBRAITH A: 154
GALEEV MA: 1258
GALEOTTI T: 4053
GALGANO M: 690
GALICICH JH: 2901
GALIMBERTI E: 1363
GALIOTO F: 2613
GALLAGHER ND: 1259
GALLE P: 1594
GALLEGOS AJ: 587
GALLISTEL CR: 3165
GALUSHKIN IP: 3802
GALVAO-TELES A: 1260
GALVIN JB: 1309
GALY JP: 167
GALZIGNA L: 2513
GAMBLE W: 2077
GAMMAL EB: 1261
GAN JC: 3962-3963
GANDELMAN R: 1262
GANDOLFI C: 1263
GANDZHA IM: 1264
GANEA E: 1265
GANESAN PA: 601
GANJAM CK: 1129
GANOR S: 1266
GANS SL: 1267
GANTEN D: 471, 1268
GANTEN U: 1268
GARATTINI S: 354
GARCIA JD: 4151
GARCIA MG: 905
GARCIA-BELLIDO A: 3229
GARCIA-DONAS BONO A: 1269
GARCIA-MORAN LOPEZ M: 2830
GARCIA-MULLIN R: 3803
GARDNER LB: 27
GARDNER PM: 1671
GARDNER RJ: 1270
GARDNER RW: 1271
GARDNER WU: 417
GARDO S: 1272
GARELIS E: 2166
GARNER HE: 1273
GARNIER PE: 1843
GARRET R: 1274
GARRETT RH: 1275
GARTNER H: 2151
GARVERICK HA: 3149
GASANOV KHA: 1276
GASCON AL: 1277
GASIOROWSKI W: 1276
GASKIN JH: 724
GASSEL WD: 1343
GASSER DL: 4126
GASSET AR: 1279
GASTILLO N: 2930
GATEV ST: 1280
GATTI G: 589
GAUDIER B: 1281
GAUJOUX J: 3516
GAULD IK: 2412
GAUTHEY JC: 1485
GAUTIER JA: 1282
GAUTIER JC: 1283
GAVIN JR 3D: 2264
GAVRILESCU S: 761
GAWIENOWSKI AM: 1284
GAY R: 1300
GAZDIEVA BM: 674
GAZIT E: 3293
GEE JB: 1285
GEE S: 1288, 3940
GEEL SE: 1287
GEFFEN LB: 1224, 1288
GEIS P: 3724
GEISSMANN P: 375
GEISTHOVEL W: 4267
GELB AM: 1533
GELFAND MC: 1289
GELINET M: 44-46
GELLEI B: 323, 3412
GELLMAN M: 3065
GELMAN A: 36
GEMSA C: 1290
GEMSA D: 1291
GEMSENJAGER E: 1292
GENEFKE IK: 1293-1294
GENEST J: 471, 1268, 1528
GENTON N: 490
GEORGE FW 3D: 779
GEORGE JM: 1295
GEORGE WD: 1296
GEORGE WJ: 2965
GEORGESOU G: 737
GEORGHIOU PE: 1297
GERALL AA: 990
GERASIMENKO PP: 1968, 3652
GERASIMOVA EN: 3938
GERBA P: 473
GERBER R: 707, 1296
GEREBTZOFF MA: 2477
GERFO PL: 4170
GERGELY P: 1104
GERL D: 1299
GERMAIN P: 1300
GERMAN DG: 1301
GERMAN J: 1302
GERMANIUK IAL: 1303
GERMANTON D: 2460
GERRARD AM: 1665
GERRITSEN T: 500
GERSCH M: 1304
GERSCHENSON LE: 658
GERSHANIK JJ: 1305
GERSHMAN H: 1306
GERSHON AA: 517
GERSHON E: 1102, 1965
GERSHON S: 1209-1210
GERTNER JJ: 1307
GERWIN BI: 3043
GESER CA: 1308
GESSA GL: 3839-3840
GESSERT C: 2277
GESZTESI E: 1162
GEYER G: 1617
GEZENTSVEI ZA: 534
GHANY MA: 1897
GHERA E: 258
GHERESH Y: 7
GHOSE MK: 1309
GHOSH A: 176, 1310
GHOSH AK: 3309
GHOSH NK: 1311
GHOSH PC: 1312
GHOSH S: 1310
GHOSSEIN NA: 1313, 2704
GHUMBACH MM: 1955
GIACOBINI E: 942
GIANNINA T: 3737
GIANNINI DD: 2050
GIANNINI SD: 2964
GIARD P: 1281
GIBB JW: 2035
GIBBARD S: 4162-4163
GIBBAS DL: 3315-3316
GIBBONS AJ: 1036
GIBBS CP: 3114
GIBBS J: 3639
GIBERT P: 1314
GIBSON GJ: 2386
GIBSON RM: 3998
GIEDKE H: 4285
GIEREK A: 1315
GIESE S: 2573
GIESZL GS: 284
GIGON U: 1316
GIJON E: 2803
GIKAS PW: 3994
GILBERT E: 544
GILBERT EF: 1412
GILBERT MG: 3123
GILBERT RD: 1317
GILBERT-DREYFUS: 1316
GILBOA-GARBER N: 1319
GILGENKRANTZ S: 1320, 1563
GILINSKII MA: 1321
GILL JL: 757
GILLAN DJ: 4221
GILLARD M: 1322
GILLER J: 3032
GILLESPIE FC: 2397
GILLETT MP: 320
GILLETT PG: 2896
GILLETTE PN: 3223
GILLIEN P: 3489
GILMORE JP: 2575
GILSANZ V: 1323
GILSON M: 1373
GINTER E: 1324
GINTHER OJ: 887, 2548, 4223
GIRARD F: 1390
GIRARDEAU JF: 1282
GIRAULT F: 442
GIRGIS M: 1325
GIROUARD RJ: 1326
GIROUD CJ: 2913
GIRSCHEWSKI H: 3730-3731
GISPEN WH: 412
GIST DH: 2497
GITTES RF: 2416
GIUDICELLI JF: 2563
GIUDITTA A: 51
GIUSTINA G: 586, 3632
GJELSVIK A: 1327
GLABMAN S: 551
GLASER JS: 3803
GLASGOLD AI: 1328
GLASS GB: 3773
GLASS JL: 2067
GLASS RH: 3680
GLASS TG JR: 1329
GLASSER SR: 1330
GLAUMAN H: 2317
GLAZE D: 556
GLEBOVA VV: 4363
GLICK SD: 1331-1332
GLICK SM: 2994
GLIDEWELL O: 780, 1661, 2169
GLIEDMAN ML: 4071
GLIMP HA: 2209
GLOWACKA D: 1676
GLUBA H: 280
GLUCKSBERG H: 1333
GLUSZEK J: 3162
GLUZMAN AM: 1334
GNAD HD: 1335
GNAMEY DK: 4074
GNARPE H: 1336
GNATYSHAK EA: 1337
GNEAZDOVSCHI V: 3976
GOCIU M: 1338

GODDE-JOLLY D: 1339
GODDEN U: 1704
GODEFROI VC: 1340
GODFRAIND T: 1341
GODIN O: 1342
GODING JR: 1133, 1859, 3358, 4290
GODO J: 820
GODSCHALK M: 3656
GODWIN JD: 291
GOEBEL FD: 1343
GOEBEL KM: 1343
GOEBELL H: 1344
GOEBELSMANN U: 1345
GOERTTLER U: 1346
GOERZ G: 1347
GOES F: 1190
GOETTE DK: 1348
GOETZ U: 311
GOISIS M: 1349
GOL ABEK W: 1350
GOLAN R: 1009
GOLD J: 3734
GOLDANIGA G: 4040
GOLDBERG AM: 4196
GOLDBERG M: 27, 236
GOLDBERG ME: 1351
GOLDBERG ND: 1450
GOLDENBERG IS: 1352
GOLDENBERG RL: 1353-1354
GOLDER MP: 1355
GOLDFIELD EB: 1356
GOLDFIEN A: 30
GOLDIN A: 3382
GOLDIN VA: 2148
GOLDMAN L: 1357, 2274
GOLDMAN SJ: 1358
GOLDSMITH RS: 103, 1540, 2835
GOLDSTEIN AL: 4339
GOLDSTEIN DJ: 1359
GOLDSTEIN DP: 3415
GOLDSTEIN M: 3951
GOLDYNE ME: 1360
GOLLNICK PD: 3675
GOLOB E: 813, 1361
GOLOD EA: 149
GOLOVACHEV GD: 1362
GOLOVINSKY EV: 3068
GOLSTEIN J: 768, 3253
GOLUB LM: 3144
GOLUBEV VN: 927
GOLUMB SB: 4064
GOMARASCA P: 1363
GOMBOS GM: 4123
GOMEZ CJ: 3832
GOMEZ MV: 1364
GOMITA Y: 4012
GONA AG: 1385
GONCHAROVA EE: 1366
GONDOS B: 1367-1368
GONICK HC: 3283
GONTSCHAROW NP: 1369
GONYEA EF: 2464
GONZALEZ A: 584
GONZALEZ D: 587
GONZALEZ M: 587
GONZALEZ-BARCENA D: 3969
GONZALEZ-MONTESINOS F: 1370
GONZE A: 1342
GOOD RA: 1097, 1253-1254
GOODLET I: 1371
GOODLOE MH JR: 3282
GOODMAN DH: 1372
GOODMAN JM: 1373
GOODMAN R: 2951
GOODMAN RM: 1413
GOODWIN BL: 3384
GORALSKA MM: 371
GORBUNOVA VA: 3937
GORDAN GS: 1715, 3274
GORDEN P: 2264
GORDIENKO VM: 976
GORDON A: 1374
GORDON GG: 3686
GORDON NH: 1375
GORETZLEHNER G: 1376
GOREVAIA AN: 3997
GORHAM JR: 3551
GORINS A: 2781
GORLICH M: 1812
GORLIN RJ: 1377
GORNALL AG: 828
GOROG S: 1378
GORZALKA BB: 4216
GOSBEE JL: 2099
GOSINK BB: 1379
GOSSEL TA: 2572
GOSSELIN B: 4157
GOSUEN LC: 1380
GOSWAMI PK: 1381
GOTHERT M: 1382-1383
GOTLIN RW: 1384-1385
GOTO M: 1386
GOTSHALL RW: 1387, 3528
GOTTA H: 2566
GOTTESMAN M: 883
GOTTLIEB JA: 2022
GOTZE KJ: 1388
GOULD KG: 1389
GOURMELEN M: 1390
GOUYGOU C: 1594
GOVAN AD: 366
GOWDEY CW: 2377
GOWER DB: 3340
GOWLAND E: 1391
GOYAL HO: 1392
GRABNER W: 1393
GRABSKI J: 1394
GRABSKI W: 3311
GRACE HJ: 1395
GRADOWSKA L: 1396
GRAEBER RC: 1397
GRAF GC: 3150
GRAF T: 340
GRAFF G: 1398
GRAFMEYER D: 2667
GRAFNETTER D: 1399
GRAHAM WP 3D: 2953
GRAHAME-SMITH DG: 1400
GRAHNE B: 1401
GRAN L: 1402
GRAND SMITH BIANCHI G: 1469
GRANT A: 3245
GRANT AM: 1403
GRANT IW: 3979
GRANT LD: 765
GRANT NH: 1404
GRANT PS: 1405
GRANT WM: 263
GRASSER A: 2111
GRAU JD: 2244, 2534
GRAVE GD: 1406
GRAY CH: 1091
GRAY G: 834
GRAY JA: 1407
GRAY WM: 4218
GRAZIANI Y: 1408
GREAVES MW: 1409
GREEN DE: 3684
GREEN R: 4296
GREEN S: 1148
GREENBAUM AL: 1472
GREENBAUM P: 1275
GREENBERG I: 4167
GREENBERG S: 1410-1411
GREENBLATT RB: 3709
GREENE JW JR: 987
GREENE RJ: 1412
GREENFIELD AA: 198
GREENFIELD DJ: 3897
GREENFIELD G: 1413
GREENGARD O: 1414
GREENGARD P: 950-951, 2627, 2759
GREENGRASS PM: 1415-1416
GREENHOUSE SW: 3500
GREENSPAN EM: 720
GREENSTEIN S: 1331-1332
GREENWALD GS: 181-182, 3846-3847
GREENWALD P: 1417
GREENWALD RA: 1418
GREENWOOD RH: 1419
GREEP RO: 248
GREER MA: 1510
GREER S: 147
GREGOR T: 1420
GREGOROVA I: 3676
GREGOROVA S: 1797
GREGORY KE: 2209
GREHN S: 1421
GREIF RL: 1422
GREIG F: 510
GREIG ME: 1038
GREIG WR: 2397
GREILSAMER J: 1961
GREIM HA: 3409
GREISER AE: 1423
GREKOV P: 2577
GRENDA I: 1424
GRESSON CR: 1425
GREY V: 1047
GRIBBLE DH: 3414
GRICE K: 1426
GRIEF E: 323
GRIEM W: 1427
GRIEVE A: 3909
GRIFFIN WT: 1650
GRIFFITH RW: 2920
GRIFFITHS EC: 1428
GRIFFITHS HJ: 1429
GRIFFITHS J: 1430
GRIFFITHS K: 864
GRIFO AP JR: 3408
GRIGOR'EV PIA: 1431
GRIGOR'EVA VA: 1432
GRIMALDI RD: 3821-3822
GRIMELIUS L: 1433
GRIMM H: 1642
GRINBERG-ZYLBERBAUM J: 3087
GRINKER J: 1434
GRINNELL F: 1435
GRINWICH DL: 102, 1436
GRIZELJ V: 3117
GRODIN JM: 1353
GROENESTEIN TJ VAN: 438
GROMASHEVSKAIA LL: 1437
GRONEBERG P: 1438
GRONOW M: 3365
GROOT WC DE: 438
GROPP J: 512
GROSFELD JL: 1439
GROSS F: 1683
GROSS HJ: 1440
GROSS NJ: 1441
GROSS R: 1667
GROSSI F: 1349
GROSSKLAUS D: 1442
GROSSMAN A: 1443
GROSSMAN SP: 1444
GROSSMAN W: 3537
GROSSMANN I: 3435
GROTH C: 1519
GROTH CG: 1445-1446, 3724
GROTS IA: 1691
GROUCHY J DE: 2368
GROVE AS JR: 1447
GROVES AC: 1430
GRUENSTEIN M: 2839
GRUEZO F: 3304
GRUHN K: 3903
GRUMBRECHT C: 1448
GRUN G: 1449
GRUND VR: 1450
GRUNDSELL H: 1451
GRUNERT E: 1452
GRUNT JA: 2901
GRUPE WE: 1453, 2445
GRUSHKIN CM: 1134, 1454
GRUSHLAVSKII GL: 413
GRUSSENDORF EI: 1455
GRUSZKIEWICZ J: 1456
GRYGLEWSKI R: 1457
GRZESIUK L: 2486
GRZYWA M: 1458
GSCHWANDTNER WR: 1459
GUBENKO LF: 2070
GUBLER MC: 1497
GUDE ZZH: 1460
GUDELJ S: 264
GUDOWSKI J: 1709
GUEDON J: 1461
GUEDON J: 1462
GUEROULT N: 1463
GUERRANT RL: 3603
GUERRE J: 1218
GUERRERO C: 2817
GUERRERO G: 1119
GUERRERO R: 4330
GUEVARA M: 1464
GUIDOBONO F: 1263
GUILBERT F: 1465
GUILHAUME B: 1595

GUILLAUD M: 1471
GUILLEMIN R: 3235
GUILLEMINAULT C: 1466
GUINET P: 1467-1471
GUIRGIS H: 2363
GULDBERG HC: 2496
GULYI MF: 3133
GUMAA KA: 1472
GUMP FE: 2542
GUN KM: 1473
GUNASHEV KZ: 1474
GUNDERSON GR: 1475
GUNELLA G: 1476
GUNKO AE: 2049
GUNN A: 192, 1833
GUNNAR RM: 4262
GUNTHER G: 1477
GUPTA D: 3135
GUPTA JD: 1012
GUPTA KP: 1105
GUPTA L: 109
GUPTA M: 1476
GUPTA SK: 110
GUPTA SP: 1479
GURAYA SS: 1480
GURCAY O: 193
GURTLER H: 3740
GUSBERG SB: 1481
GUST WF: 1482
GUSTAFSSON A: 1445, 3724
GUSTAFSSON BE: 1028
GUSTAFSSON JA: 1026, 1052, 1483
GUTHRIE R: 225
GUTIERREZ-CERNOSEK RM: 1484
GUTIERREZ CERNOSEK RM: 1485
GUTIERREZ-CERNOSEK RM: 1486
GUTMAN R: 3503
GUTMAN RA: 905, 1487
GUTMAN Y: 1488
GUTTMANN RD: 1489
GUYDA HJ: 1490
GUZECKI A: 1491
GUZEI LA: 2825
GUZEK JW: 3953
GUZIKOWSKA E: 2038
GUZMAN M: 975
GWEE MC: 1492
GWINN JL: 2811
GYEPES MT: 3636
GYERTYANFY G: 1162
GYEVAI A: 3157
GYORGYI S: 179

H

HAAR A TER: 4238
HAAS HG: 1493-1494
HABER A: 1495
HABER E: 2243, 2866
HABERMEHL G: 1498
HABIB R: 1497
HACHIYA T: 4313
HACKENG WH: 1844
HACKENTHAL E: 3523
HACKETT R: 568
HACKMAN R: 2316
HADEK R: 304
HADERKA J: 1498
HADY S: 1499
HAEUSLER G: 3201
HAFEZ ES: 1815, 1830
HAFEZ-ZEDAN H: 3046
HAFS HD: 1010, 1776, 1779, 2363, 3846, 4215
HAGELE K: 1500
HAGEN GA: 1501
HAGEN RO: 458
HAGER A: 1502
HAGERMAN DD: 1503, 2426
HAGERMAN G: 1504
HAGG DD: 1505
HAGGERTY DF: 1506
HAGLUND S: 1507
HAGLUND U: 1092
HAGSTROM JW: 4071
HAGUENAUER JP: 2693
HAHN EW: 1506
HAHN GM: 2336
HAHNEL R: 1065, 1509
HAIBACH H: 1510
HAID H: 1511
HAIDER S: 1512
HAIGH RD: 1513
HAIMOV M: 551
HAINES ME: 766
HAINES RF: 3994
HAIST RE: 2308
HAJEK V: 4108
HAJICEK V: 1514
HAJICKOVA V: 1514
HAJOS GT: 1515
HAKANSON R: 359
HAKIM A: 1516
HALASZ B: 2255
HALBFASS HJ: 1517
HALES JR: 1516
HALGRIMSON CG: 1445-1446, 1519, 3724
HALITSKY V: 2128
HALL BK: 1326, 1520-1521
HALL DE: 588
HALL JH: 4199
HALL KL: 2703
HALL R: 1068, 2033
HALL RM: 1201, 1522
HALLAHAN C: 1523
HALLE H: 1524
HALLETT M: 1525
HALLEY W: 3655
HALLOWES RC: 2508
HALLSTRAND HO: 1526
HALMI NS: 2858
HALMOS T: 3134
HALTERMAN R: 2328
HALTERMAN RH: 1631, 3285
HAMANAKA N: 4009
HAMBERGER L: 1629
HAMBRICK GW JR: 1966
HAMEED K: 1527
HAMELMANN H: 2601
HAMET P: 1528
HAMIDA MB: 1529
HAMILTON DW: 1735
HAMILTON JM: 3385
HAMILTON JW: 2402
HAMILTON LW: 1530
HAMILTON TC: 1531
HAMILTON W: 3884
HAMLETT JD: 498, 3539
HAMLIN WB: 2126
HAMMAMI H: 1532
HAMMEN R: 3613
HAMMOND WS: 1446
HAMPEL N: 1255
HAMPERS CL: 166
HAMPL R: 1797
HAMUTH Y: 1533
HAN T: 1534
HANAK J: 2332
HANBAUER I: 793
HANDLER AH: 3637
HANDZEL L: 4190
HANHIJARVI H: 1776
HANIG JP: 1535
HANIN I: 660
HANLON DP: 3758
HANRATH P: 3327
HANSEN J: 2236
HANSEN RC: 1650
HANSEN-LETH C: 1536
HANSON JM: 1537
HANSOTI RC: 3530
HANSSON R: 1538
HANSSON V: 1539
HANTMAN DA: 1540
HANY A: 1541
HANZE S: 1542
HAOUR F: 718
HAQ A: 4136
HARA K: 1543
HARADA A: 2028
HARBITZ TB: 1544
HARDIN JG JR: 1545
HARDING BW: 4252
HARDMAN JG: 3020-3021
HARDOUIN G: 489
HARDY RN: 644-645
HARELL A: 3470
HARGIS GK: 4237
HARGREAVE FE: 1546
HARISCH G: 3449
HARLEY JD: 1012
HARMS D: 1547
HARNES BZ: 1903
HARPER E: 1548
HARPER HW: 117
HARPER JW: 1549
HARPER MJ: 1550, 3357, 3616
HARPER RA: 3897
HARPIN ML: 229
HARRI MP: 1551, 2794
HARRINGTON E: 1256
HARRIS F: 1552
HARRIS H: 1146, 2696, 3811
HARRIS JA: 2439
HARRIS JW: 2430
HARRIS RK: 1553
HARRISON DF: 1554
HARRISON FA: 242, 626, 3340
HARRISON JE: 2429
HARRISON JH: 282
HARRISON MJ: 1555
HARRISON P: 1556
HARRISON PC: 1557
HARRISON TS: 1202
HARSOULIS P: 2501
HART DM: 34
HART IC: 1558-1560
HART IR: 1561
HART LT: 1562
HARTEMANN P: 1563
HARTIALA J: 1564
HARTIALA K: 1551, 1564-1565, 2794
HARTL W: 1586
HARTLEY R: 862, 1567
HARTMAN CR: 3910
HARTMANN H: 1568
HARTMANN M: 1740
HARTREE AS: 3916
HARVEY CC: 1728
HARVEY RF: 1569
HARWELL WB: 1570
HARWOOD RF: 3551
HASHEMIAN MP: 3132
HASHIMOTO T: 4305
HASHIMOTO Y: 2444
HASKIN ME: 3894
HASLAM RH: 1571
HASLER AD: 670
HASS DK: 1572
HASSAN SZ: 1573
HATA J: 2027
HATHAWAY WE: 1574
HATTLER BG: 1575, 4196
HATTON R: 756
HATZIOTIS JC: 2926
HAUER G: 3317
HAUG E: 1576
HAUG FM: 648
HAUGEN HN: 1577-1578
HAUGEN OA: 1579
HAULICA ID: 465, 1580
HAUPT H: 2038
HAUPT O: 3721
HAURANI F: 1881
HAUSER G: 1022
HAUSER GA: 3430
HAUSLER M: 1581
HAUSMAN SJ: 1582
HAUSSLER MR: 515
HAUSSWALD HR: 1583
HAUSWIRTH JW: 567
HAVELKA J: 1113
HAVEMANN K: 1584
HAVEN E: 13
HAVRANEK F: 1679
HAWK HW: 484
HAWKER RW: 449
HAWKER SG: 2384
HAWKINS RA: 1585
HAWTHORN E: 2203
HAY DM: 1586
HAYAKAWA K: 4009
HAYASHI K: 3949
HAYASHI S: 1660
HAYASHIDA T: 1587
HAYAT A: 1110
HAYDEN MJ: 2543
HAYDUK K: 471
HAYE B: 1588
HAYES JW: 1084
HAYES MF JR: 1589, 3284

HAYES TJ: 1590
HAYES TM: 3525
HAYLES AB: 3067
HAYMAKER HG: 2554
HAYMOND M: 2902-2903
HAYMOND MW: 1591
HAYNES NB: 766, 3126
HAYS EF: 1592
HAYS RM: 2273
HAYWARD JL: 474, 536
HAZARD J: 1593-1595
HEAP RB: 242, 626, 3340
HEARN JP: 1596
HEARNSHAW H: 1133
HEATH DA: 1597
HEATH DF: 3761
HEATH EC: 931
HEATH H 3D: 1596
HEATH RG: 1549
HEBENSTREIT W: 2049
HEBERLING HJ: 1599
HEBERT S: 4079
HEBESTREIT HP: 2376
HECHT F: 1600
HECHT NB: 1601
HECHTERMANS R: 1602
HECKER WC: 1603
HECQUET JP: 4156
HEDGE GA: 506
HEDLEY AJ: 3096
HEDLUND MT: 2760
HEEDMAN PA: 1604
HEESEN D: 1605
HEFNER M: 1351
HEGESIPPE M: 3269
HEIDE K: 3476
HEIKKOLA T: 2509
HEIMGARTNER M: 1606
HEINEN E: 1607
HEINONEN J: 1608
HEINRICH G: 696
HEINRIKSON RL: 1609
HEINZE HG: 1610-1611
HEINZE V: 1517
HEISE E: 1612
HEISSMEYER U: 1613
HEITZ DC: 1410-1411
HEIZMANN M: 2579
HELBER A: 471
HELDTANDER P: 1614
HELLER CG: 2682, 3614
HELLER ED: 3656
HELLER RM: 1571
HELLMAN A: 1161
HELLMAN L: 649, 1615
HELLMER KH: 4010
HELLSTROM HR: 1616
HELMKE U: 1617
HELTIANU G: 753
HELTNE CE: 1618
HELTON ED: 1619
HELWIG H: 1620
HEMENWAY WG: 155
HEMMINKI K: 1621
HENDERSON A: 1965
HENDERSON JF: 2266, 4279
HENDERSON JT: 1622
HENDERSON SR: 1623
HENDERSON WJ: 4237
HENDING LG: 1702
HENDLEY JO: 316
HENDON I: 1377
HENDRICK JC: 965
HENDRICKS CH: 475-476, 1143
HENDRICKX AG: 1624
HENDY GN: 2871
HENNING B: 1625
HENRION R: 489
HENRY JP: 1626
HENSON D: 3039
HENSON PM: 1627
HENVILLE A: 1628
HENZEL J: 1951
HENZL MR: 777, 1629, 2879
HEPA J: 3719
HEPPNER RL: 1630
HERBERMAN RB: 1631, 3285
HERBEUVAL R: 617, 989
HERIAN M: 536
HERINGTON AC: 1632
HERLANT M: 3253
HERMAN AG: 729
HERMAN CM: 769
HERMAN MW: 1633
HERMAN PS: 1634
HERMAN RH: 3910
HERMANN H: 434
HERMETET JC: 1635
HERMIER M: 636
HERN D: 3558
HERNANDEZ FJ: 1636
HERNANDEZ-CIBES JJ: 1227
HERNANDEZ DEL RIO A: 3977
HERR MJ: 4181
HERRATH D VON: 2096
HERRE DH: 2168
HERRERA JUSTINIANO E: 138
HERRICK MJ: 4211
HERRMANN J: 2673, 2796
HERRMANN JP: 1412
HERT J: 1637
HERTOGH R DE: 1638
HERVONEN A: 1639
HERVOUET F: 1640
HERXHEIMER H: 1641
HERZMANN J: 1722
HERZOG R: 1642
HESCH RD: 1643, 4257
HESSE RH: 209
HEUCK F: 1644
HEUKAMP U: 3443
HEWITT V: 4163
HEYMAN IA: 3407
HEYMANN W: 2445
HIATT WR: 419
HIBBARD BM: 496, 3539
HIDALGO F: 587
HIEBERT JM: 1645
HIGGINS CB: 1646
HIGGS DA: 1647
HIGHNAM KC: 2666
HIGIER J: 1648
HILARIS B: 701
HILDEBRANDT AG: 1649
HILDERBRAND DC: 1650
HILL AV: 3594
HILL CS JR: 1651, 2357, 3371
HILL GJ 2D: 1652
HILL LF: 1653
HILL LL: 1084
HILL M: 1964
HILL MF: 1654
HILL OA JR: 1160
HILLESTAD L: 1655
HILLIARD J: 374
HILLMAN GR: 1656
HILLS F: 2916
HINES JR: 1657
HINES LR: 3813
HINGLAIS N: 906
HINMAN JW: 1658
HINTERBERGER H: 1659
HINTZ RL: 3888
HIRAKAWA K: 1235
HIRANO A: 3956
HIRANO N: 1229
HIRANO T: 1660
HIRIZESCU D: 1661
HIRIZESCU E: 1661
HIROSE T: 1662
HIROSHIGE T: 1663
HIROSHIMA T: 1668
HIRSCH J: 721, 1434
HIRSCH PF: 335
HIRSCH W: 4316
HIRSCHHORN ID: 3282
HIRSCHHORN K: 1664
HIRSCHMAN RJ: 1665
HIRSCHMANN FB: 1666
HIRSCHMANN H: 1666
HIRSCHMANN WD: 1667
HIRUKAWA E: 1668
HITCHCOCK M: 1669
HITTELMAN KJ: 1670
HO BT: 1671-1673
HO IK: 1674-1675
HO J: 1632
HO TL: 2547
HOAGLAND HC: 3038
HOAR DI: 961
HOAR WS: 2919
HOBBINS JC: 72-73
HOBEL C: 3809
HOBSON BM: 1676
HOBSON RW 2D: 1994
HOCH FL: 1677
HOCMAN G: 1676
HODGEN GD: 1679
HODGINS DS: 2152
HODGSON BJ: 2960
HODKINSON HM: 1680
HODLER J: 1606, 1681
HODLER M: 1606
HODR J: 1679
HOECKER G: 3146
HOEDE N: 1706
HOEPPLI R: 1682
HOFBAUER KG: 1683
HOFBAUER M: 68
HOFELDT FD: 3910
HOFFBRAND BI: 2607
HOFFENBERG R: 3876
HOFFER JL: 1143
HOFFMAN GL: 3921
HOFFMAN WH: 1966
HOFFMANN G: 1684-1685
HOFFMANN JA: 1658
HOFFMEISTER G: 3101
HOFFNER PR: 3083
HOFMANN KD: 2790, 4129
HOFMANN N: 1686
HOFMANN S: 1687
HOGAN FP: 1677
HOGAN RP: 2078
HOGBIN B: 87
HOHLWEG W: 1688
HOLCOMB A: 568
HOLDAWAY MD: 1270
HOLDSWORTH DE: 2600
HOLGADO SILVA C: 139
HOLICK MF: 1689
HOLL-ALLEN RT: 1690
HOLLAND DT: 1633
HOLLAND JF: 1661, 2169
HOLLANDER A: 1691
HOLLANDER CF: 426
HOLLANDER D: 1692
HOLLANDS TR: 1693
HOLLINGSWORTH D: 3701
HOLLINGSWORTH DR: 2387
HOLLMANN S: 352
HOLM PC: 1694
HOLM V: 2791
HOLM VA: 3040
HOLM WW: 1695
HOLMAN ME: 1696
HOLMBERG I: 357
HOLMES EW: 1697
HOLMES JT: 1698
HOLMES LB: 1699
HOLMES RS: 1700
HOLMES WL: 2962
HOLMES WN: 1619
HOLMLUND CE: 1701
HOLSINGER KK: 3692
HOLSINGER KL: 3693
HOLST JJ: 1702
HOLT JM: 3655
HOLT WR: 493
HOLT WV: 1703
HOLTON P: 624
HOLUB A: 2900
HOLZBAUER M: 1704
HOLZER E: 1923
HOLZMANN H: 1685, 1705-1706
HOMSHER PJ: 1707
HONG KC: 808
HONG R: 1412
HOOD LF: 3215
HOOPER JA: 1708
HOOPER KC: 1428
HOORNTJE S: 2164
HOOTSMANS WJ: 2865
HOPE DB: 66
HOPPE D: 1709
HOPPS HE: 4146
HOPWOOD ML: 3372
HOR G: 1710
HORI H: 1711
HORI R: 1712

HORI S: 3681
HORINO M: 2027
HORKAY I: 1713
HORKY J: 369
HORN H: 1714-1715
HORN Y: 1715
HORNBLASS AH: 4123
HORNUNG D: 2312-2313
HORNYCH A: 1716
HOROVITZ A: 2565
HOROWITZ JM: 1717
HOROWITZ S: 1412
HORRELL E: 1716-1719
HORROBIN DF: 1720-1721, 2527
HORSKY J: 1722
HORST A: 1723
HORSTER FA: 1724
HORTNAGL H: 1725
HORTON JN: 1726
HORTON P: 2415
HORTON PW: 2431
HORTON R: 1345, 4136
HORVAT BL: 1727
HORVAT NM: 1727
HORVATH E: 2084-2085, 3295
HORWITT MK: 1728
HORWITZ DL: 769
HOSHINO T: 193
HOSTY TA: 590
HOSTYN L: 2732
HOSXE G: 1465
HOTCHKISS J: 1916
HOTTA K: 89
HOTZ J: 1729
HOUSSAY AB: 1730
HOUSTOUN R: 1731, 2409
HOVERSLAND AS: 2410
HOWANITZ J: 2683
HOWARD JL: 765
HOWE PD: 498
HOWELL BA: 2006
HOWELL SL: 2657
HOWLAND BE: 1732-1733
HOWLETT PJ: 198
HOYER JR: 1734
HOYT RF JR: 1735
HOYT WF: 1736
HRADEC E: 1737
HRENIUC R: 1738
HRUSHESKY WJ: 2719
HRYSZKO S: 1257
HSU JM: 1739, 3739
HSU KC: 4352
HSU TC: 3753
HUANG SW: 1412
HUBER MG: 2937-2938
HUBERT C: 1740
HUBERT KE: 1741
HUBMER G: 1215
HUBNER H: 1742
HUCH FL: 1743
HUDCOVIC A: 1744
HUDSON B: 156
HUDSON CN: 1745
HUDSON JC: 198
HUDSON LD: 3016
HUEBNER E: 1746
HUFFINES WJ: 1059
HUGHES DW: 1747
HUGHES SM: 621
HUGONNIER R: 1748
HUHTANIEMI I: 1749
HULAN HW: 1750
HULAND H: 3492
HULLEY SB: 1540
HULTEN M: 3615-3616
HULTIN T: 3612
HUMPHREY RM: 201
HUMPHREY RR: 1751
HUNG W: 1752
HUNGERLAND H: 960
HUNNINGHAKE DB: 1450
HUNSICKER JP: 3165
HUNT R: 568
HUNT TK: 1020
HUNT WA: 1753
HUNT WB JR: 3480
HUNTER GL: 1754
HUNTER H: 1755
HUNTER WM: 2841
HURWIC J: 167
HURWITZ RA: 1756
HUSBERG B: 3724
HUSDAN H: 3155
HUSKOVA M: 1842
HUSMANN F: 2687
HUSSL B: 1757
HUSZ S: 3447
HUTCHINS GM: 1758
HUTCHINSON RG: 1759
HUTTERER F: 3409
HUTTON I: 1760
HUTZINGER O: 1581
HYYPPA MT: 1761

I

IAKOBSON GS: 1798
IANAS O: 640
IANUZZO CD: 3675
IARYGIN VN: 1762
IASNOV AE: 534
IAVORSKII IG: 1437
IBANEZ ML: 1651
IBLER M: 1763
IBRAGIMOVA GV: 4066
IBRAHIM EL-S A: 1764
ICHII H: 4009
IGNARRO LJ: 1765-1788
IGNAT'EV AS: 3760
IIGAYA K: 1767
IINO S: 1767
IIO A: 1768
IISALO E: 1776
IJAIYA K: 1769-1770
IJU M: 1771
IKEDA H: 742, 3809
IKRAM H: 1162
ILIENKO TI: 3652
ILIEVSKI V: 3407
IL'IN IM: 1772
IL'INA VI: 379
ILLIG R: 1773
ILLINGWORTH RS: 1552
ILLNER P: 3798
IMAI K: 1774
IMOHIOSEN EA: 2825
IMOTO N: 1668
IMSHINETSKAIA LP: 1793
INAGAMI T: 1775
INESI G: 2282
ING RM: 1938
INGALLS WG: 1776
INGBAR SH: 469, 2385, 4282
INGERMAN C: 3583, 3642
INGLETON PM: 167
INGLIS J: 1777, 4247
INKOVAARA J: 1778
INNAMI S: 1779
INOUE T: 1780
INOUYE T: 1780
INSKEEP EK: 4250-4251
INSLER V: 1781
INSTITORIS L: 3823
IONESCU B: 528
IONESCU V: 2754
IONOV BV: 1762
IORDACHE V: 1661
IPAKTCHI M: 2239
IRANI PF: 4128
IREY NS: 2709
IRNICH W: 3327
IRUSTA O: 1782
IRVIN CW JR: 3083
IRVINE RE: 1783
IRWIN DA: 529
ISAAC P: 2185
ISAAC PF: 3807
ISAACSON KA: 1503
ISAACSON RL: 1784
ISHCHENKO MP: 3997
ISHIGURO T: 1785
ISHIJIMA B: 1235
ISHIZAKI T: 1786
ISHIZUKA N: 1668
ISIDORI A: 1185, 1315
ISIN E: 57
ISLER W: 1787
ISLES TE: 192
ISMAIL M: 1076
ISMAILOV I: 170
ISOMAKI H: 2509
ISRAEL HL: 1788
ISTIN M: 1769, 3272
ITAMI Y: 1790
ITO H: 1791
ITO T: 1882
ITOKAWA Y: 1792
ITTRICH G: 1524
ITURRIAN WB: 2644
ITURRIZA FC: 4326
IUNDA IF: 1793
IURKEVICH NP: 41
IURUKOVA TS: 1794
IVANENKO GF: 690
IVANOV B: 1795
IVANOV VF: 3127
IVANOV VG: 2137
IVANOVA AI: 910
IVANOVA EA: 1796
IVANYI P: 1797
IVASHKEVICH EI: 1798
IVASHKEVICH LG: 910
IVENS U: 1799
IVES DR: 860
IWANSKA J: 2130
IWASAKI H: 1800
IWASZKIEWICZ J: 1801
IWATSUKI S: 1445-1446, 3724
IYENGAR L: 1802
IZUMI K: 1603

J

JACKSON H: 1804
JACKSON HL: 3677
JACKSON IM: 1605
JACKSON MC: 1606
JACKSON SH: 1807
JACOBOWITZ D: 693
JACOBS JW: 2871
JACOBS LS: 4335
JACOBS P: 976
JACOBS PA: 633
JACOBSEN BB: 1808
JACOBSEN P: 3615
JACOBSON RR: 1253
JACOBSSON H: 1809
JACOX RF: 84
JACQUE C: 229
JACQUEMIN C: 1588
JAFFE BF: 1810
JAFFE BM: 733, 964
JAFFE E: 3747
JAFFE N: 1810
JAFFE RA: 1197
JAFFE RB: 2573, 2972, 3854
JAFFIOL C: 1611
JAGGER PI: 1612
JAGIELLO G: 1613
JAHODA E: 3870
JAILLON P: 2995
JAIN M: 1814
JAINUDEEN MR: 1615
JAKOBS KH: 3523
JALLAGEAS M: 1816
JALLET P: 3197
JALNAWALLA SF: 1617
JAMES KC: 650
JAMES W: 1816
JAMOTTON L: 1620
JAMPOL LM: 3487
JANAKIRAMAN K: 4323
JANDA J: 1821
JANECKA J: 1622
JANEKE JB: 1823
JANISCH H: 1824-1625
JANKO J: 2046
JANKOWSKI K: 2486
JANNETTA PJ: 2116
JANNING W: 1826
JANOTKA M: 2525
JANOWSKY DS: 1627
JANSEN C: 4214
JANSEN V: 841
JANTZEN W: 1347
JANUS S: 214

JANUSZEWICZ W: 1828
JAQUET P: 128
JARD S: 3308
JARLFORS U: 843
JARLSTEDT J: 1829
JAROSZEWICZ K: 1878
JARRETT RJ: 4144
JARROUSSE P: 754
JARVINEN K: 1778
JASIEWICZ A: 1878
JASZCZAK S: 1830
JAYLE MF: 107
JEDRZEJCZAK W: 1831
JEDRZEJEWSKI M: 2131
JEEJEEBHOY KN: 1832
JEFCOATE CR: 452
JEFFCOATE SL: 1833
JELINEK R: 959
JELLINEK M: 198
JELLINGER K: 1834
JEMALETDINOV FG: 170
JENEY A JR: 3823
JENKIN G: 1828
JENNINGS BM: 2880
JENSEN AD: 3848
JENSEN KB: 1835
JENSEN MM: 1838
JENSEN SB: 1837
JENSEN T: 2539
JEQUIER JC: 735
JERUMS G: 987
JERVELL J: 1838
JESKE E: 1278
JESKE J: 1742
JESSERER H: 4371
JESSUP SJ: 3566
JESUS CH: 1122
JEWELEWICZ R: 1839
JEWETT DA: 1840
JEZKOVA K: 2900
JIMENEZ CASTELLANOS J: 139
JIMERSON GK: 4285
JIRASEK J: 1001
JIRASEK JE: 1841
JIRKALOVA V: 1842
JOB JC: 1843
JOCZ K: 2133
JOFFE BI: 1844
JOHANNESSEN H: 1845
JOHANSEN K: 2791
JOHANSSON H: 1433, 1846
JOHN HA: 1847
JOHN KO: 2730
JOHNSON AG: 3994
JOHNSON AK: 1048
JOHNSON AL: 2954
JOHNSON AR: 804
JOHNSON CE: 3863
JOHNSON DC: 1848-1849, 2459
JOHNSON DG: 793, 2434
JOHNSON EM JR: 964
JOHNSON ES: 470, 3230
JOHNSON EW: 457
JOHNSON FL: 3783
JOHNSON GH: 2178
JOHNSON GS: 850
JOHNSON JA: 3528
JOHNSON JD: 1850
JOHNSON JR: 3548
JOHNSON JT: 1851
JOHNSON JW: 166
JOHNSON LG: 1852
JOHNSON MH: 1853
JOHNSON NP: 4337
JOHNSON PM: 3188
JOHNSON RH: 3793
JOHNSON WC: 3078
JOHNSON WJ: 1893
JOHNSON WW: 1984
JOHNSSON H: 808
JOHNSSON S: 1854
JOHNSTON CC JR: 3635
JOHNSTON CI: 967
JOHNSTON HS: 4294
JOHNSTON ID: 1855, 2257
JOHNSTON RB JR: 1856
JOINER PD: 1857
JOLY L: 1858
JONAS HA: 1859
JONCKHEER MH: 1860
JONES B: 1861
JONES EA: 1862
JONES HW JR: 2936
JONES J: 1863
JONES KW: 1847
JONES MT: 839
JONES MZ: 4151
JONES NA: 4244
JONES RA: 1391
JONES RC: 1864
JONES RE: 1865-1886
JONES TH: 4287
JONES WR: 1938
JONSSON G: 1867
JONTOFSOHN R: 1517
JOPLING WH: 23, 1868
JORDAN MC: 1869
JORGENSEN H: 1870
JORGENSEN T: 4086
JORI A: 603
JORON F: 3515
JOSEPH J: 3890
JOSEPH MM: 1871
JOSHI HS: 2172
JOSHI SG: 3781
JOSHLIN L: 1129
JOSHUA IG: 2703
JOSIFKO M: 3876
JOSIMOVICH JB: 2278
JOSSO N: 653, 1495
JOUAN P: 1872
JOUGLARD JP: 1873
JOUJA V: 1001, 1722
JOUPPILA P: 2988
JOVANOVIC S: 4358
JOVASEVIC A: 1874
JOVASEVIC D: 1874
JOVICIC V: 1875
JOWSEY J: 481, 2519
JOZWIK M: 336, 1876
JUCHAU MR: 1877-1878
JUDD H: 4309
JUHASZ J: 179
JULIAN JA: 645
JUNCOS L: 568
JUNCOS LL: 3865
JUNEJA H: 618
JUNG H: 2018
JUNGAS RL: 3883
JUNGMANNOVA C: 1879
JUNIEN-LAVILLAUROY C: 838
JUNKERS K: 1517
JUORIO AV: 1880
JURCZOK F: 1881
JURGELSKI W JR: 889
JURIST JM: 2702
JUSGEN W: 345
JUST G: 1297
JUST M: 907
JUSTIN-BENSANCON L: 3265
JUSTO SN: 3298

K

KABACY G: 16
KABAT EA: 3304
KABIEV OK: 4107
KABOLOVA ZA: 39
KACHI T: 1882
KACIUBA-USCILKO H: 1883-1884
KACKI J: 1885
KADNER J: 1299
KADOWITZ PJ: 1886
KAFKA V: 2332
KAGAN A: 2994
KAGEL KO: 3477
KAHL S: 400
KAHN CR: 1887, 3039
KAILAKOV AM: 1888
KAISER GC: 196
KAISER H: 1889
KAIUKOVA TN: 1890
KAIVERS R: 1860
KAJUBI SK: 1891
KAKOTI LM: 1381
KALASHNIKOVA EP: 1892
KALCZAK M: 1893
KALIN A: 3022
KALININ AP: 1894
KALINSKAIA LN: 2580
KALISCH WE: 1895
KALKHOFF RK: 2538
KALKMAN ML: 4124
KALLFELZ FA: 1896
KAMAR GA: 1897
KAMATH S: 4282
KAMBAYASHI Y: 1898
KAMBOJ VP: 3540
KAMINSKY N: 527
KAMMERLANDER H: 3190
KAMOUN A: 1899
KAMPSCHMIDT RF: 1900
KAN G: 2302-2303
KAN KW: 1901
KANAZAWA T: 1902
KANDEL E: 1852
KANDEL M: 828
KANDEL SI: 828
KANEKO M: 1663
KANEKO T: 4305
KANERVA L: 1639
KANNO H: 1981
KANNO Y: 2028
KANTER Y: 1903
KANTOR GL: 1904
KANTOR I: 295
KAOSAAR ME: 1905
KAPANDJI IA: 49
KAPILESHWARKER M: 873
KAPLAN AR: 2383
KAPLAN HS: 1004
KAPLAN JC: 1906
KAPLAN NO: 2355
KAPLAN S: 897
KAPLAN SA: 1907
KAPLAN SL: 1955
KAPLANSKI J: 1908
KAPOR-STANULOVIC N: 1909
KAPPAS A: 3060, 3223
KAPRAS J: 622
KAPRONCZAY K: 1910, 3051
KAPUS I: 179
KAR AB: 3540
KARAM KS: 1911
KARCH FE: 715, 3620
KARCHER KH: 1912
KARCHER-DJURICIC V: 1298
KARIM SM: 601, 730, 3251
KARKI NT: 2988
KARL IE: 2902-2903
KARLAS W: 1688
KARLBERG BE: 1913
KARLI P: 651
KARLSON P: 1914
KARMARKAR MG: 2033
KARN J: 1131
KARPATI E: 1515
KARPENKO A: 1915
KARSCH FJ: 924, 1916
KARTAVOVA NS: 3997
KARTEN HJ: 1917
KARUNAKARAN ME: 1918
KASATKINA EP: 4066
KASHULINA AP: 1919
KASS MA: 1920, 3050
KASSAB M: 1921
KASTIN AJ: 3178
KASTLI P: 1922
KASTNER H: 1923
KATAOKA K: 3681
KATAYAMA T: 1791
KATO J: 1924
KATO M: 2159
KATO T: 2882
KATRAK SM: 4128
KATRAN DC: 3548
KATSH S: 4244
KATTLOVE H: 3899
KATZ AI: 1925, 2315
KATZ FH: 1926
KATZ S: 1927
KATZEN M: 1928-1929
KATZNELSON D: 2951
KAUDE JV: 4264
KAUFFMAN MS: 719
KAUFMAN B: 1930
KAUFMAN HE: 1279
KAUFMAN HW: 1931
KAUFMAN MH: 1932
KAUFMAN S: 3290

AUTHOR INDEX

KAUFMAN SL: 1933
KAUFMANN P: 3720
KAULEN-BECKER L: 1934
KAUSTE A: 3858
KAVRAKIROVA SV: 3068
KAWAKAMI M: 4071
KAWAKAMI Y: 1766
KAWALEC M: 1935
KAWAMURA A JR: 2736
KAWASHIMA K: 4299
KAWASHIMA Y: 3841
KAWATO M: 3648
KAY S: 1936
KAYDEN HJ: 641
KAYE GI: 1937
KAYE MD: 1938
KAYIHIGI J: 937
KAYNAN A: 1939-1940
KAZEEV KN: 1968
KEANEY NP: 1941
KEAY AJ: 3163
KEDIA K: 2487
KEDRA M: 1942
KEDROWA S: 1942
KEDROWA S: 1943
KEE WF: 1944
KEELER RF: 1945
KEEN P: 1946-1947
KEENE JJ: 1948
KEESEY RE: 1949
KEET PC: 2414
KEHLET H: 1950, 3490
KEILL RH: 1951
KEIM KL: 1952
KEISER H: 1953
KEISER HR: 2961
KEITEL W: 1954
KEITZER WF: 1951
KEKIS N: 643
KELCH RP: 1955
KELLEN JA: 1956
KELLER PJ: 1957
KELLETER R: 1958
KELLEY WN: 1697
KELLIE AE: 31
KELLY JD: 1959
KELLY JS: 368
KELLY L: 4145
KELLY LS: 936
KELLY R: 154
KELLY RC: 1960
KELLY WG: 1926
KEMETER P: 1212
KEMP BE: 2721
KEMPF E: 1961
KENDALL MJ: 1962
KENNEDY C: 1406
KENNEDY JP: 3869
KENNEDY TG: 1436, 1963
KENNY FM: 3468
KENT EW: 3165
KENT JR: 1964
KEPP R: 1965
KERISIT J: 2252
KERKUT GA: 711
KERN F: 1966
KERNAN JA: 3754
KERR DN: 3594
KERR GR: 1967
KERTSMAN VI: 1968, 3652
KERY L: 1969
KESSLER S: 692, 940
KESSLER WO: 2416
KEST LM: 1309
KETCHAM AS: 341, 2511, 3039
KETRAR' EG: 1301
KEUTMANN HT: 2722, 2671
KEYNAN A: 2285
KEYSER A: 1970
KHAIKINA MB: 4066
KHAIRALLAH EA: 3973
KHAIRALLAH PA: 3244
KHAMIDOV DKH: 3993
KHAN OG: 2585
KHAN SA: 1561
KHANNA SK: 3601
KHARITONOV EI: 534
KHEIFETS SN: 1971
KHILOBOK VI: 1972
KHMEL'KO AG: 1973
KHMEL'NITSKII OK: 1974
KHODZHAEV ZP: 1975
KHOLIAVKO PM: 1303
KHOMENKO DG: 4001
KHROMETSKAIA TM: 2137
KHUDR G: 1976-1977
KHURANA RC: 647
KHUSAINOV SHI: 1256
KIEFER H: 1976
KIEN ND: 1196
KIERSZENBAUM AL: 1979
KIFOR E: 1960
KIHARA K: 95
KIIASHKO AO: 1460
KIKKAWA Y: 3690-3691
KIKUCHI K: 1961
KILLAM AP: 1962
KILLIP M: 1963
KILPATRICK B: 16
KILPATRICK JA: 2417
KILPATRICK R: 1716-1719
KIM CB: 1964
KIM CK: 276
KIMBERG DV: 1102, 1965-1966
KIMLOVA I: 1967
KIMMEL GL: 1968
KIMMIG J: 1969
KINCAID-SMITH P: 1990
KINCH RA: 2896
KING B: 1200
KING DJ: 1991
KING JF: 1992
KING JH: 4259
KING RE: 1993
KING TM: 4206
KINGRY RL: 1994
KINGSBURY HB: 2161
KINLOUGH-RATHBONE RL: 1995
KINNAERT P: 1996
KINSON GA: 1997
KINUTANI M: 635, 2664
KIPNIS DM: 2902-2903
KIRA S: 2636
KIRCHHEIMER WF: 1996
KIRILLOV OI: 1999
KIRK J: 4216
KIRK RM: 526
KIRKPATRICK CH: 2000
KIRPATOVSKII ID: 2001
KIRSCHNER MA: 2795
KIRTON KT: 2002
KISS-SZABO A: 1272
KITABCHI AE: 2003
KITAY JI: 724
KITCHEN DA: 916
KITE P: 1200
KITTREDGE RD: 2004
KITTS WD: 2516
KITZMILLER JB: 2755
KITZMILLER KW: 1357
KIUCHI Y: 2005
KIVIKOSKI A: 611-612
KIZER DE: 2006
KJELLSTRAND CM: 3323
KJERULF TD: 2007
KJESSLER B: 2008
KJOLSETH I: 2197
KLAHR S: 2009
KLAUBER GT: 2010
KLAUBER MR: 2870
KLAUSNER HA: 931
KLEEMAN CR: 2519
KLEIBEL F: 2011
KLEIMAN BV: 2012
KLEIN GP: 2013
KLEINBERG I: 1931
KLEINKNECHT C: 1497
KLEINMAN LI: 3967
KLEY HK: 2014, 2673, 2796
KLICKA J: 2015
KLIMAN B: 1501
KLIMEK R: 2016
KLINE IT: 3303
KLINE TS: 2017
KLITGAARD HM: 3321
KLOECK FK: 2016
KLOPPER A: 699, 2019, 3524
KLUGO RC: 2854
KNAPP S: 2020, 3493
KNAPPE G: 3435
KNESEL EA: 3083
KNIGGE KM: 3587
KNIGHT JW: 2021
KNIGHT RA: 3916
KNIGHT WA 3D: 2022
KNIGHTS BA: 3919
KNOBIL E: 924, 1916, 3169
KNOCHE H: 2537
KNOPP RH: 2023
KNORR D: 2024
KNORRING J VON: 2025
KNOWLES HC JR: 3704
KNOX DL: 3648
KNOX FG: 3444
KNUPPEN R: 3721
KNUTSSON E: 1507
KOBAYASHI A: 2026-2027
KOBAYASHI H: 3396
KOBAYASHI R: 2028
KOBAYASHI TK: 2029
KOBILKOVA J: 2030
KOCH B: 2579
KOCH C: 1168
KOCH KM: 3233
KOCHAKIAN CD: 979, 2031
KOCHERGA VI: 1366
KOCHKAREV VM: 2032
KOCHUPILLAI N: 2033
KOCHWA S: 760
KOCK F: 2350
KOCSARD E: 2034
KOCSIS JJ: 3583, 3642
KOCZOROWSKI Z: 1394
KODA LY: 2035
KODICEK E: 1192
KODOUSEK R: 4108
KOEHLER B: 2036
KOELLNER S: 1067
KOENIG UD: 2037-2038
KOEPPE P: 2096
KOERNER SK: 4071
KOERNER T: 2866
KOFF RS: 2039
KOFOED JA: 455
KOGLER J: 1652
KOHLER H: 543
KOHLER K: 2040
KOHLER L: 2041
KOHLER W: 4260
KOHLI KL: 2042
KOHOUTEK M: 1642
KOIZUMI J: 2043
KOJIMA A: 2044
KOKAVEC M: 935
KOKOSZKA W: 4327
KOLAR J: 2045-2046
KOLB E: 2047
KOLB FO: 1356
KOLEILAT N: 1113, 4041
KOLETSKY S: 2046
KOLIOS D: 643
KOLJESNIK AG: 2049
KOLKER AE: 1920
KOLLMAN PA: 2050
KOLOTILO DV: 407
KOLPASHCHIKOVA IF: 2051
KOLTAI M: 2052
KOLTZ PG: 2053
KOMISARENKO VP: 2054
KOMISSARENKO IV: 2055
KOMOR A: 1369
KOMURO K: 2056
KONAREVA MV: 641
KONDA S: 2057
KONDICS L: 3157-3158
KONDRAT'EVA AP: 2058
KONDRAT'EVA AV: 2059
KONG YC: 2696
KONIK R: 2094
KONONENKO LA: 3581
KONSTANTINOV IUN: 116
KONTOR J: 2506
KOOB G: 4129
KOOS WT: 2060
KOPEC M: 3042
KOPELOVICH L: 2061-2062
KOPIN IJ: 793, 2192, 2434
KOPP LE: 2310
KOPROWSKI JA: 2063
KOPSA H: 3432-3434

KOPYTKIN IUV: 2064
KORBITZ BC: 867
KORDA A: 2065
KORDA AR: 3641
KORDUBA CA: 3818
KOREC R: 2066, 2250
KOBELITZ BI: 2067
KOREMBLIT E: 2637
KOREN E: 2068
KORENEV IP: 2069
KORENEVA GP: 2069-2070
KORENMAN SG: 3378
KORF J: 2184
KORIDZE MG: 2861
KORIK GG: 2071
KORMANO M: 2074
KORNER F: 2312-2313
KOROBKO IUA: 2072
KOROLEV RV: 1431
KOROSTOFF E: 3735
KORSCH BM: 1134
KORVATSKII BG: 4001
KORYTOVA LI: 90
KORZ R: 2073
KOSHICHI Y: 4313
KOSINETS GI: I079
KOSKIMIES AI: 2074
KOSLOVSKAYA IB: 2075
KOSOWICZ J: 3110
KOSSAK J: 4372
KOSTIN OS: 3581
KOSTINOV LD: 1334
KOSTOVIC I: 2118
KOSTRZEWSKA A: 2461
KOSTYRA J: 2076
KOTANI M: 2857
KOTASEK A: 622-623
KOTCHEN TA: 2077-2078
KOTEN A: 3412
KOTHARI S: 556
KOTLIAROV EV: 2079
KOTNER LM JR: 1447
KOTSAKI V: 4099
KOTSU T: 2864
KOTZAUREK R: 3432-3434
KOULISCHER L: 2080
KOULOURIDES T: 4368
KOUNTZ SL: 266, 2081
KOUROUNAKIS P: 2082, 3512
KOVACIC N: 2941
KOVACS K: 2083-2086, 3295, 3824
KOVACS M: 2087
KOVACS-PROSZT G: 2088
KOVAL'CHUK TV: 555
KOVALEV VF: 2089
KOVATSIS A: 4099
KOVEN I: 2189
KOWALSKI E: 2969
KOWALSKI K: 3394
KOWARSKI A: 251-252, 761
KOZBUR X: 1964
KOZERA R: 3704
KOZHURA IM: 2090
KOZIARA Z: 1943
KOZINETS GI: 2091
KOZLOV GI: 2092
KOZLOVA J: 1001
KOZLOWSKI K: 2093-2094
KRAEMER MA: 2095
KRAFT D: 2096
KRAGH-HANSEN U: 2097
KRAGT CL: 2098
KRAICER J: 2099
KRAICER PF: 1204
KRAINICK JU: 3221
KRAJEWSKI CA: 4238
KRAL AJ: 2897
KRALL J: 2870
KRAMER HJ: 3283
KRAMER L: 3695
KRAMER R: 3181
KRAMER S: 61
KRANE RJ: 2854
KRANTZ SB: 2100
KRASHENNIKOVA MM: 2101
KRASSIKOFF N: 1766
KRASTEL A: 2123
KRATOCHWIL A: 2102-2103
KRAUSE W: 2104
KRAWCZYNSKA H: I893
KRCEK L: 2105
KREHBIEL RH: 2438
KREIDER JW: 2106
KREIS WR: 2107
KRELL L: 957
KREMENOVA J: 1113
KREMER D: 2108
KREMPIEN B: 3232-3233
KRESTINSKAIA TV: 2109
KRETKOWSK RC: 2110
KRETSCHMER H: 2111
KREUZER A: 1684
KREUZIGER KP: 1299
KREYSEL HW: 1989
KREZE A: 2112-2114
KRICHINSKAIA EB: 2115
KRIEGER AJ: 2116
KRIMSKY I: 881
KRIPPAECHNE WW: 2267
KRISHNAMURTI CR: 2516
KRISHNASWAMI V: 2117
KRIVITSKII DI: 3622
KRMPOTIC-NEMANIC J: 2118
KRNJEVIC H: 1116
KROEGER EA: 2502
KROGSGAARD AR: 2119
KROHL R: 2120
KROHN K: 2121
KROKHMAL' SS: 486
KROKOWSKI E: 2122-2123
KRONCKE FG JR: 476
KRONENBERG K: 1136
KRONENBERG KH: 3432
KRONFELD DS: 2124
KROOK L: 2819
KROON HV VAN DER: 2769
KROP J: 3336
KROTOSKI DM: 2125
KROUS HF: 2126
KRUEGER AP: 2127
KRUG EF: 1137
KRUGGEL WG: 3476
KRUIKO-BOL'SHOVA IUA: 4095
KRULICH L: 2141, 3273, 3798
KRUMHOLZ BA: 2128
KRUMLOVSKY FA: 746
KRUS S: 2129, 4349
KRUSH AJ: 2383
KRUSKEMPER HL: 151, 2014, 2673, 2796
KRUZE D: 2130
KRYLOVA NV: 927
KRZYWDZINSKI K: 2131
KUBICZ A: 2132
KUC A: 2133
KUCERA K: 4108
KUCH J: 4005
KUCHAR F: 322
KUCHARSKA K: 2093
KUCHEL O: 1528
KUCHENBECKER SL: 3958
KUCHERA LK: 2134
KUCHKAREV RN: 3937
KUCZENSKI R: 2135
KUCZENSKI RT: 3493
KUCZYNSKA-SICINSKA J: 2136
KUDASHOV NI: 2137
KUDELA M: 3732
KUEFLER PR: 3508
KUFFER R: 620
KUFTINEC MM: 2138
KUHAR MJ: 2139-2140
KUHN ER: 2141
KUHN JP: 999
KUHN NJ: 2142
KUHNE J: 2143
KULAKOVSKII EE: 2144
KULAVSKII VA: 2145
KULESAR A: 2146
KULESAR-GERGELY J: 2146
KULESZA B: 371
KULIK II: 2147
KULIKOVA LA: 2148
KULIKOVA LE: 38
KULIN HE: 2149
KULL FJ: 1249
KULSHRESTHA VK: 3705
KUMAGAI LF: 975
KUMAR S: 2622
KUN IS: 3652
KUN L: 2150
KUNG F: 1861
KUNI H: 1584
KUNII Y: 1981
KUNNAS K: 1401
KUNZE E: 2151
KUO JF: 950-951, 2152, 2627
KUO SC: 2658
KUO WN: 2152
KUPIECKI FP: 2153
KURATA T: 3790
KURATEV LV: 1968
KURBATOVA LI: 410
KURIHARA H: 3562
KURIYAMA H: 535
KURJAK A: 2154
KURMAN RJ: 2155
KURODA S: 2836
KUROEDOVA IA: 2156
KUROIWA Y: 3560
KUROKAWA K: 2157-2158
KUROSAWA M: 2159
KURSCHAT G: 2160
KURSKII MD: 160
KURTZ AB: 3944
KURTZ SM: 3411
KUSHEVA R: 3849
KUSHNIRUK W: 2161
KUSUMOTO M: 1268
KUTCHEMESHGI AD: 1758
KUTSIDI EV: 41
KUTZMAN NA: 2162
KUWABARA S: 2163
KUWABARA Y: 95
KUWAYAMA A: 4343
KUWAYTI K: 1561
KUZNETSOVA ES: 4347
KUZNETSOVA SM: 2469
KVETNANSKY R: 2192
KVINNSLAND S: 2164-2165
KVITASH VA: 2166
KWATRA MS: 2167
KYANK H: 2168, 3475
KYLE RA: 2169
KYLE VN: 3152
KYRIAZIS GA: 871

L

LAATIKAINEN T: 2170
LABELLA FS: 2171
LABERGE C: 1251
LABHSETWAR AP: 2172, 3332
LABOW RS: 2173
LABRIQUE M: 896
LACASSAGNE A: 2174, 3254
LACEY E: 3546
LACH JL: 37
LACHANCE RC: 1149
LACHENMAYER L: 231
LACRITEANU V: 2966
LACY D: 215
LAFEBER TJ: 2175
LAFON J: 49
LAFUMA J: 3454
LAGACE R: 2299
LAGARDERE B: 2202
LAGASSE LD: 2176
LAGEMANN K: 2177
LAGERBERG D: 3014
LAGIOS MD: 2178
LAGRUE G: 2179
LAHLOU-KASSI A: 2180
LAHRTZ H: 345
LAINE E: 2240
LAINE JL: 2664
LAINE V: 727, 2509
LAIRD GW: 2181
LAITL J: 2182
LAKIZA VV: 2183
LAKKE JP: 2184, 3118
LAKOMY M: 1248
LAKSHMAN AB: 2185
LAKSHMINARAYAN S: 3353
LAL S: 2186
LALEZARI P: 4071
LAMAGNERE JP: 2187
LAMATTINA JC: 1112
LAMB D: 588
LAMB DR: 3782
LAMBERG BA: 2188

AUTHOR INDEX

LAMBERG SI: 3986
LAMBOURNE A: 2231
LAMKI L: 2169
LAMONT NM: 2190
LAMPEN JO: 2658
LAMPERTI AA: 2191
LAMPRECHT F: 2192-2193
LANCASTER JR: 2194
LANCET M: 1398
LAND RB: 728, 2195-2196
LANDE G: 2197
LANDES E: 2198
LANDOLT RF: 2381
LANDON J: 3181
LANE JR: 1941
LANE M: 2482
LANE N: 1937
LANG US: 3073
LANGAN MJ: 2379
LANGE RL: 2452
LANGER P: 2199
LANGIE S: 11
LANGLOIS R: 2302-2303
LANNON J: 2200
LANOUE KF: 1144
LANTOS CP: 2983
LAPIDES J: 747-748
LAPIERE CM: 13
LAPIN V: 2201
LAPLANE R: 2202
LAPOUSSE JC: 2203
LAPPER RD: 367, 2204
LARA-RICALDE R: 3277
LARAGH JH: 532
LARICHEVA IP: 4363
LARKE RP: 4002
LARNER J: 2606
LARON Z: 2809
LAROS RK JR: 2205
LARSEN PR: 6, 2206-2207
LARSEN RR: 1652
LARSON EJ: 3025
LARSON LL: 2206, 3795
LARSON P: 1847
LARTIGUE G: 1128
LAST R: 2299
LASTER DB: 2209
LASZLO J: 2210
LATAPIE JL: 3237
LATIES AM: 2211
LATIK IV: 2212
LATTIMER JK: 4170
LATYPOVA LS: 4001
LAU C: 2297
LAUDANSKI T: 2461
LAUDAT MH: 1906
LAUDAT P: 1906
LAUDERDALE JW: 4351
LAUERSEN NH: 2213-2214
LAUGIER J: 2187, 2664
LAURENZI GA: 2215
LAUSBERG G: 2216-2217
LAUTA AD: 2441
LAUWERS P: 1342
LAUWERYNS JM: 2218
LAVERTY CR: 2219
LAVEZZARI E: 901
LAVIN JR: 2476
LAVIS D: 573
LAW J: 2220
LAWECKI J: 3336
LAWIN P: 2347
LAWINSKI M: 943
LAWRENCE CC: 2972
LAWRENCE DS: 1962
LAWRENCE GD: 2221
LAWRIE TD: 1760
LAWTON AR 3D: 1856
LAX R: 3220
LAYNE DS: 2173
LAYZELL MS: 2222
LAZAR G: 2086, 2223-2224, 3824
LAZAREVA SA: 2446
LAZARINI HJ: 2225
LAZARUS L: 3808
LAZEANU M: 2226
LAZEWSKA M: 336
LAZZARA R: 4308
LEACH DR: 2682
LEACH G: 3111
LEASK BG: 3384
LEATHEM JH: 4083
LEAVITT WW: 1988
LEBHERZ HG: 2227
LEBOEUF G: 735
LEBOVITZ HE: 1108, 2767
LECACHEUX C: 1099
LE CAM A: 2228
LECH JJ: 1228
LECHAGO J: 2229
LECKIE B: 2230
LECLERC F: 1281
LECLERCQ R: 768, 774
LECOQ PJ: 424
LEDERER H: 2231
LEDFORD BE: 2232
LEDGER WJ: 2233
LE DOUAREC JC: 986
LE DOUARIN N: 2976
LEE BJ: 1314
LEE DB: 2519
LEE H: 1139
LEE HH: 2234
LEE JB: 196, 2235
LEE KF: 2309
LEE KS: 2299
LEE P: 1614
LEE QH: 1677
LEE RF: 2958
LEE SG: 4292
LEE TT: 3611
LEE Y: 2391
LEE YH: 2236, 2392
LEEDMAN RL: 101
LEEK JW: 792
LEEMAN S: 3081
LEEPER DB: 2237
LEES GJ: 3090
LEES JF: 2238
LEFAUCONNIER JM: 2239
LEFEBVRE G: 1300
LEFEBVRE J: 2240, 2322
LEFEBVRE N: 3702
LEFKOWITZ RJ: 2241-2243
LEGAIT E: 3216
LE GAL LA SALLE G: 268-269
LEGRAND J: 3174
LEGROS JJ: 2244-2245, 2534
LEGUIA AL: 2248
LEGUIT P JR: 2247
LEHMANN F: 472, 2248
LEHMANS J: 2179
LEHMEYER JE: 2419-2420
LEHRER GM: 2249
LEIDHOLT JD: 3654
LEIRER R: 1568
LEISTEN D: 3268
LEITER E: 551
LEJEUNE C: 235
LEJEUNE J: 296, 996
LEJTES SM: 2066, 2250
LELEUX P: 3253
LE LIEVRE C: 2978
LEMAIRE WJ: 2251
LEMAIRE WJ: 2499
LE MAREC B: 2252
LEMMER B: 2253
LEMON M: 2254
LENART G: 1969
LENCHIK VI: 2643
LENEGRE J: 287
LENGLE N: 2106
LENGVARI I: 2255
LENHARD V: 3232
LENIK J: 2521
LENNON AM: 2256
LENNOX J: 2257
LENORMAND ME: 2368
LENSEN WF: 4077
LENZ PH: 1153
LENZI P: 2943
LEODOLTER S: 1624
LEON M: 2258, 2651
LEONARD A: 1795, 2259
LEONARD BE: 2260-2261
L'EPEE P: 2225
LEPP A: 1487
LEPPALUOTO J: 2382
LEQUESNE M: 3489
LERK CF: 416
LE ROITH D: 2262
LEROY J: 2167
LESKER PA: 1038
LESKOVA R: 2263
LESNIAK MA: 2264
LESPERANCE AL: 382
LESSELL S: 1736
LESTRADET H: 1390
LETARTE J: 735
LETCHWORTH AT: 1322, 2265
LETTER AA: 2266
LEUJAK A: 3095
LEUNG BS: 2267
LEUNG FY: 1430
LEUSCHNER F: 2143
LEUSCHNER U: 2120, 2268
LEUSEN I: 1014
LEUTSKII KM: 2269
LEV R: 3773
LE VAN HUNG: 80
LEVENTHAL B: 2328
LEVENTHAL BG: 1631
LEVER AF: 503, 2108
LEVEY GS: 2242
LEVI J: 323
LEVIN D: 568
LEVIN M: 1699
LEVIN RJ: 2270
LEVIN S: 2436
LEVIN SS: 3429
LEVINA IS: 38
LEVINA SE: 2271
LEVINE B: 4112-4113
LEVINE GD: 2272
LEVINE L: 1306, 1484-1486
LEVINE PH: 3285
LEVINE S: 1651, 2273-2275
LEVINSON HZ: 2276
LEVINSON MR: 2194
LEVIS WR: 3239
LEVITT M: 2277
LEVITT MJ: 2278
LEVITT RA: 529
LEVITZ M: 641
LEVKOFF AH: 1305
LEVOVITZ HE: 1109
LEVY AC: 3813
LEVY EP: 2279
LEVY JV: 2280-2282
LEVY L: 2283
LEVY M: 2284-2285
LEVY RL: 1412
LEVY RN: 1661
LEWANDOWSKA-TOKARZ A: 3719
LEWARTOWSKI B: 3108
LEWIN K: 3774
LEWIN PK: 4034
LEWINSKI U: 2286
LEWIS GP: 2287
LEWIS PD: 1555
LEWIS TC: 4213
LEWIS UJ: 3607
LEWY JE: 2393
LEYBOLD K: 345
LEYDEN JJ: 2288-2289
LEYDHECKER W: 2290
LEYEN H VON: 305
LEYH F: 2160
L'HERMITE M: 768
L'HERMITE P: 2465
L'HERMITE-BALERIAUX M: 1602
LHUILLIER M: 442
LI CH: 2291, 2660, 3354
LI SL: 2292
LI TK: 2078, 2293
LIAKAKOS D: 2294
LIANG T: 2295
LIAO J: 3304
LIAO S: 2295
LIAPPIS N: 960
LIBERMAN B: 2296
LIBERTUN C: 2297
LICHT A: 2471
LICHT P: 2979
LICHTENSTEIN H: 2298
LICHTENSTEIN LM: 3000
LIDA K: 808
LIDDLE GW: 3020-3021
LIDSKY I: 1309
LIE TS: 2299

LIEBERMAN A: 2300
LIEBERMAN P: 1570
LIEBHARDT E: 2301
LIEBOW AA: 1379
LIEBSCHER J: 2040
LIEGEL JM: 1073
LIER JE VAN: 2302-2303
LIGGINS GC: 2304
LIGHT IJ: 3987
LIGHT RW: 387
LIGHTMAN SL: 3944
LIGUORI A: 131
LIM R: 2305
LIM SD: 1253
LIM VS: 2308
LIMA MC: 38
LIMAS CJ: 2307
LIMBERT JG: 819
LIN BJ: 2308
LIN JS: 1813
LIN SR: 2309
LIN T: 2310
LINDAHL R: 2311
LINDELL TD: 2287
LINDEN WA: 3178
LINDENAUER SM: 2107
LINDENMEYER D: 2312-2313
LINDGARDE F: 2314
LINDGREN JA: 1214
LINDHEIMER MD: 1925, 2315, 3986
LINDHOLM RV: 2316
LINDHOLM TS: 2316
LINDHOLMER C: 2317
LINDNER HR: 3470, 3549-3550
LINDQUIST B: 1433
LINDSAY HA: 2897
LINDSAY JL: 3185
LINDSAY R: 34
LINDSTEN J: 805
LINDSTROM LH: 2318
LINDVALL O: 358-359
LINFOOT JA: 750
LING GM: 2319
LING GV: 3414
LING S: 3838
LINGWOOD CA: 3908
LINK A: 305
LINK M: 2320
LINQUETTE M: 2240, 2321-2322
LINZELL JL: 2323-2324
LIPINSKI JF: 2325
LIPOVA VA: 2326
LIPPA AS: 2327
LIPPMAN M: 2328
LIPPMAN ME: 2329
LIPPMANN R: 2330
LIPSETT MB: 2795
LIPTON JM: 2331
LISA L: 2332
LISAK RP: 3305
LISANDER B: 2333
LISBOA BP: 2334
LISCI-GARMILLA A: 3969
LISIUK LP: 4080
LISOWSKI J: 3013
LISTER D: 2335
LISUKOVA TE: 2338
LITTLE DA: 2337
LITTLE JB: 2338
LITTLE SA: 3923-3924
LITVINENKO EA: 1432
LIU CC: 1997
LIU YP: 950
LIUL'KA AN: 2339
LIVADAS D: 3918
LIVETT BG: 68, 2340, 2944
LIVINGSTON A: 2341, 3679
LIVINGSTONE JR: 154
LIVNE A: 1408
LIVSHITS GI: 2827
LLOYD GH: 824
LLOYD JA: 2342
LLOYD JK: 2343
LLOYD S: 3242-3243
LO JS: 1958
LOBANOVA LA: 2344
LOBOVSKY FY: 2128
LOBSIGER M: 2345
LOCATTO ME: 3113
LOCHNER D: 1448
LOCHS H: 1725
LOCK JP: 2348
LOCKHART EA: 2284
LOCKSHIN M: 4166
LOCKWOOD E: 1312
LODING HW: 2347
LOEB H: 3983
LOEB HS: 4282
LOEB JN: 1986, 2348-2349
LOEFFLER RG: 2221
LOEHFELM G: 2778
LOESER JD: 2007
LOEW H: 2350
LOEWENSON RB: 2663
LOEWENSTEIN JE: 2351
LOEWIT K: 2352
LOGAN RW: 3252
LOGE O: 3427
LOH HH: 1674-1675, 4174
LOHMEYER H: 3891
LOIRAT P: 1461
LOKEN AC: 2353
LOKICH JJ: 2354
LOMAKKA G: 805
LOMAKO J: 4254
LONG GL: 2355
LONG JP: 1410-1411
LONGCOPE C: 2356, 3403
LONGHINO N: 974, 2154
LONGIN B: 836
LONGSTRETH PL: 2357
LOOSE LD: 2358
LOPATA MA: 368
LOPEZ H: 4368
LOPEZ R: 2359
LOPEZ DE TEJADA JM: 139
LOPEZ FERNANDEZ M: 138
LOPEZ-RAMOS B: 493
LOPEZ-URIARTE A: 3989
LORAS B: 2653
LORBER J: 2360
LORENTE SAHUQUILLO D: 2381
LORENZ DE: 4146
LORENZO AV: 3689
LORIAUX DL: 2795, 3556
LORINCZ G: 727
LOUHIJA A: 1608
LOUIE AJ: 2362
LOUIS LN: 863
LOUIS S: 165
LOUIS TM: 2363
LOUIS WJ: 967, 1288
LOURIA D: 3644
LOVEJOY JF JR: 1993
LOVERIDGE N: 654
LOVSTAD RA: 2364
LOWE CR: 3243
LOYKE HF: 2365
LU WH: 2393
LUBAR JF: 2366
LUBBEMEIER A: 247
LUBEN RA: 2367
LUBETZKI J: 2368
LUBRAN MM: 2369
LUCAS CE: 2370
LUCAS CP: 747-748
LUCAS M: 915
LUCCHESI JC: 2371
LUCIANI JM: 2225
LUCK JV: 2372
LUDER R: 3095
LUDWIG P: 2378
LUFKIN EG: 3910
LUGOJAN R: 2968
LUKASH NV: 2373
LUKASZYK A: 2591
LUKENS J: 1861
LUKIE B: 1174
LUKS E: 3920
LULLMANN H: 2374
LULLMANN-RAUCH R: 2374
LUMB GA: 1653, 2541
LUND HT: 2375
LUND M: 687
LUNDELL E: 2376
LUNDY LE: 4292
LUNDY P: 2377
LUNDY-MAHIEU: 772
LUNT HR: 2655
LUTGEMEIER J: 2378
LUTHER ER: 2379
LUTHOLD WW: 2964
LUTOLF HU: 4293
LUTTWAK EM: 2471
LUTZ RA: 2380
LUTZ-EWAN L: 2380
LUTZ-RICHNER AR: 2381
LYBECK H: 2382
LYHS L: 2787
LYLES TO: 4115
LYNCH HT: 2383
LYNCH J: 2383
LYNCH RE: 3444
LYNN WG: 3047
LYON MF: 2384

M

MAAYAN ML: 2385
MABERLY DJ: 2388
MABRY CC: 2387
MACADAM RF: 4082
MACAFEE CA: 560
MACAFEE J: 249
MCASKILL JW: 501
MCBRIDE LC: 2638
MCCAFFERY V: 1008
MCCALL JT: 103
MCCAMAN MW: 2388, 4183
MCCAMAN RE: 2388, 4183
MCCANCE RA: 2389
MCCANN SM: 767, 2141, 3273, 3798
MCCARRY J: 658
MCCARTHY DS: 2390
MCCARTHY RD: 2958
MACCARTY CS: 2833
MCCAW BK: 1600
MCCLOY RB JR: 2753
MCCOMBS PJ: 3141
MCCONAHEY PJ: 1181
MCCONAHEY WM: 3387
MCCONNELL RW: 425
MCCORD JM: 1897
MCCORMACK WM: 2391-2392
MCCOY JL: 1631, 3285
MCCRORY WW: 2393
MCCUISTION CH: 2394
MCCULLAGH KG: 2395
MCCUSKEY RS: 2605
MCDEVITT DG: 2396
MACDONALD AF: 612
MCDONALD D: 2609
MCDONALD FD: 3994
MCDONALD JA: 1697
MCDONALD PG: 342
MCDONALD WJ: 747-748
MCDONALD-GIBSON RG: 1409
MCDONALD-GIBSON WJ: 1409
MCDOUGAL JS: 137
MCDOUGALL IR: 2397
MCDOWALL DG: 1941, 3998
MACE J: 2398
MCFARLAND BH: 2399
MCFARLANE H: 4240
MCGEER EG: 2400
MCGEER PL: 2400
MACGILLIVRAY MH: 717
MCGINTY F: 3817
MCGOON DC: 2635
MACGREGOR C: 584, 4036
MACGREGOR GA: 2401
MACGREGOR R 3D: 2554
MACGREGOR RR: 2402
MCGUIGAN JE: 2511
MACHLIN LJ: 2403
MACHNIK G: 3248
MACHO L: 2665
MACHOVICH R: 1414
MACHTEY I: 2807
MCINTOSH AH: 1130
MCINTOSH JA: 812
MCINTOSH S: 2404
MCINTOSH WB: 3094
MCISAAC WM: 1671-1673
MACK G: 1961
MCKAY FW: 291
MACKAY NJ: 2405
MACKAY WD: 2406
MCKEAN HE: 987
MCKEEVER C: 3736

AUTHOR INDEX

MCKEEVER P: 1285
MACKELLAR I: 3473
MCKENDRICK M: 2033
MCKENDRY JB: 1021
MCKENNA OC: 2407
MCKENNA PJ: 867
MCKENZIE JM: 4320-4321
MACKEY JP: 2408
MACKINLAY CJ: 1731, 2409
MCKINNEY JD: 2410
MCKINNON LJ: 3882
MCLAIN CR: 2411
MCLAINE PN: 674
MCLAREN A: 2412
MCLAREN EH: 2413-2414
MCLARTY DG: 2415
MCLAUGHLIN AP 3D: 2416
MACLAUGHLIN J: 3898
MACLAURIN BP: 2417
MACLEAN AW: 2841
MACLEAN D: 2418
MCLEAN P: 1472
MCLEAN WG: 1948-1947
MACLEOD M: 612
MACLEOD RM: 2419-2420
MACLEOD SC: 2379
MCLEROY VJ: 2421
MCMAHAN CA: 1352
MACMAHON B: 2422
MCMAHON JE: 2423
MCMAHON MJ: 2424
MACMANUS JP: 2425, 4221-4222
MACMILLAN DR: 1984
MCMURTRY RJ: 2426
MCNAMEE DC: 1240
MCNATTY KP: 2427
MCNEELY BU: 609
MACNEIL JD: 1581
MCNEIL JS: 3335
MACNEILL E: 2428
MCNEILL KG: 2429
MCNEISH AS: 2775
MCQUARRIE HG: 2430
MCQUEEN CM: 2431
MACTAGGART B: 2432
MADDAIAH VT: 734
MADDOX IS: 2433
MADRAS P: 143
MAENGWYN-DAVIES GD: 2434
MAERTENS K: 3776
MAGARIBUCHI T: 2005
MAGENIS RE: 1600
MAGGESSE MC: 1119
MAGILTON JH: 3962
MAGUN B: 2435
MAHAUX JE: 2436
MAHIEU A: 1996
MAHIEU P: 4258
MAHMOUD F: 2437
MAHMOUD IY: 2015
MAHY M: 2448
MAIA JC: 3877
MAIBENCO HC: 2438
MAICANESCU-GEORGESCU M: 840
MAIDMAN JE: 2439
MAIER HS: 295
MAILLET P: 1471
MAILLIE HD: 2440
MAIOLO AT: 773
MAIORESCU M: 3102-3103
MAITRYA BB: 333
MAJNO G: 1248
MAJOR PW: 1718-1719
MAJUMDER PK: 647
MAKARCHENKO AF: 2441
MAKARENKO MO: 3581
MAKAROVA ZO: 486
MAKER HS: 2249
MAKHOV EP: 2442
MAKINO S: 2443
MAKITA T: 2444
MAKKER SP: 2445
MAKOWSKI EL: 1982
MALAIA LT: 2446
MALAISSE WJ: 2447-2448
MALANOWSKA S: 275
MALAPRADE D: 1563
MALAREWICZ A: 2449
MALAWISTA SE: 1285
MALCHAU V: 2743
MAL'CHENKO GO: 423
MALCOLM AS: 2450
MALDONADO JE: 922
MALEK G: 114
MALEK RS: 2451
MALEKI M: 2452
MALENDOWICZ LK: 2453
MALES JL: 2454
MALINAK LR: 2357, 2455
MALING TM: 952
MALINOWSKA KW: 844-845
MALL-HAEFELI M: 2456-2457
MALLAM PC: 2458
MALLAMPATI RS: 1849, 2459
MALLICK NP: 4240
MALLON J: 2460
MALLUCHE HH: 3233
MALOFIEJEW M: 2461
MALONE DN: 3979
MALOOF F: 406, 4035
MALTZ S: 988
MALVIN RL: 2462
MALYZHEV VA: 2463
MALZONE WF: 2464
MAMEDOV AM: 86
MANANI G: 2513
MANARANCHE R: 2465
MANCIA G: 4331
MANCINI RE: 1979
MANCINO G: 2757
MANDAL B: 3090
MANDEL P: 1635, 1961
MANDELL AJ: 2020, 3493
MANDELLI F: 2466
MANDELLI V: 1263
MANDERS EK: 3603
MANECKJEE R: 2467
MANEIRO PJ: 584, 4335
MANEL G: 479
MANERY JF: 4280
MANES JL: 2468
MANIU M: 141
MAN'KOVSKII NB: 2469
MANKU MS: 1721
MANLEY SW: 449
MANN DR: 2470
MANNING JP: 1148
MANNISTO P: 3992
MANNY J: 2471-2472
MANOCHA SL: 2473
MANS A: 4079
MANUEL OK: 446
MANUILOVA IA: 2474-2475
MANUKHIN BN: 563
MANUSOVA NB: 2109
MANZITTI E: 2476
MARACEK I: 97
MARAKHOVSKII Y: 970
MARAN JW: 4175
MARCANIK J: 2477
MARCEAN R: 2754
MARCHAL A: 435
MARCHE C: 3285
MARCHIORO TL: 3129
MARCINKOWSKI T: 2478
MARCU C: 2479
MARCUSSEN H: 2480
MARECEK RL: 2481
MAREK J: 2045
MARGILETH DA: 2482
MARGOLIS MG: 2483
MARGRETH A: 2484
MARGULIS L: 177
MARGULIS RR: 1159
MARIAM TW: 2485
MARIANI: 334
MARIE MG: 2180
MARINCHEVA GS: 4360
MARINO M: 2646
MARINUCCI A: 890
MARKIEWICZ L: 2486
MARKIEWICZ M: 2797
MARKLAND C: 2487
MARKOVA ET: 4363
MARKOVA LN: 563
MARKUZE II: 2488
MAROIS G: 2489
MAROIS M: 2489
MARONI G: 2490
MARPLES RR: 2288
MARQUARDT P: 706
MARQUARDT RR: 1219, 4315
MARQUES SALA R: 2491
MARQUIE G: 2492
MARRAZZI MA: 2493-2494
MARRIQ P: 2495
MARSBOOM R: 2496
MARSCHALL C: 2497
MARSDEN CA: 2498
MARSH JM: 2499
MARSHALL GR: 964, 4091
MARSHALL IG: 2500
MARSHALL JC: 2501
MARSHALL JM: 2502
MARSHALL R: 4287
MARSIKOVA L: 4366
MARSOV GN: 2503
MARTENET AC: 1335
MARTENSSON A: 1507
MARTIN BR: 2504
MARTIN GM: 1127
MARTIN IL: 2505
MARTIN JB: 2506
MARTIN JC: 3080
MARTIN JE: 2960
MARTIN JH: 4245
MARTIN L: 2507-2508
MARTIN LG: 2221
MARTIN MJ: 55
MARTIN-SIMON C: 2878
MARTINEZ MA: 455
MARTINEZ NJ: 4237
MARTINI L: 4333
MARTIO J: 2509, 4355
MARTNER J: 2333
MARTY R: 1236, 3579
MARTYNOVA MI: 2510
MARTYNOVA VA: 1079
MARUKO M: 3841
MARX SJ: 2511
MARYA RK: 2512
MARZECKI Z: 2583
MARZOTTO A: 2513
MASAOKA A: 2514
MASKREY M: 2515
MASNYK IJ: 4112-4113
MASON BD: 2516
MASON DT: 1992
MASON JW: 2078
MASON R: 1259
MASONI A: 1789
MASSARELLI R: 660
MASSON GM: 2517-2518
MASSRY SG: 2157-2158, 2519, 3509, 4178
MASSUMI RA: 1992
MASUDA M: 2520
MASZEWSKA-KUZNIARZ K: 2521
MATALON M: 2522
MATEOS-GOMEZ JL: 2523
MATERA R: 2524
MATHERNOVA V: 2525
MATHIE F: 2526
MATI JK: 2527
MATKOVICS B: 2528-2529
MATLINA ESH: 2530
MATS AN: 2531
MATSCHINSKY FM: 2493-2494
MATSEPA RL: 2269
MATSUDA T: 3848
MATSUKUBO Y: 3841
MATSUMOTO K: 4009
MATSUMOTO S: 3395
MATSUMOTO T: 1589, 3284
MATSUMOTO Y: 2532
MATSUMURA F: 244
MATSUO Y: 2520
MATSUSHIMA S: 1882
MATSUZAKI S: 2533
MATT K: 3448
MATTEI A: 4030
MATTHEWS EK: 2534
MATTHEWS MJ: 2535
MATTHEWS N: 2417
MATTHEWS NI: 4052
MATTHEY R: 2536
MATTHIESSEN D: 2537
MATUSSEK N: 280-281
MATUTE ML: 2538
MATVEENKO EG: 118
MAUGER KK: 804

AUTHOR INDEX

MAUREL E: 814
MAURER B: 2539
MAURER CA JR: 2703
MAURER HJ: 2539
MAURER HR: 2540
MAVLIANOV AN: 3870
MAWER EB: 1853, 2541
MAX MH: 2542
MAXIMILIAN C: 528
MAXWELL MH: 4178
MAY J: 3548
MAYEDA K: 2311
MAYER BW: 2543
MAYER J: 1000
MAYER SE: 3880
MAYEROFF C: 988
MAYOR GH: 747-748
MAYRON MS: 885
MAYSTON PD: 2544
MAYZNER E: 1885
MAZIN AL: 2545
MAZZOCCHI G: 2824
MAZZULLO JM: 2548
MEAD P: 2508
MEARES EM JR: 2547
MECKLEY PE: 2548
MEDEA A: 354
MEDEIROS NETO GA: 2549
MEDEIROS NETO GA DE: 2550
MEDEL M: 3359
MEDLEY G: 3908
MEDVEDEV IUA: 1974
MEEK JC: 2000
MEEMA HE: 2551
MEER J VAN DER: 2552
MEFFERT O: 2553
MEHNERT E: 3980
MEHROTRA SK: 3878
MEHTA RG: 175
MEIER AH: 1871, 2554
MEIER PD: 1041
MEIJS-ROELOFS HM: 2555
MEINECKE FW: 2558
MEINESZ A: 2247
MEINHOF W: 2557
MEIRINHO M: 2908
MEIS L DE: 2558
MEISTER A: 2874
MEITES J: 3130, 4120
MEITNER ER: 2559, 3109
MEJBAUM-KATZENELLENBOGEN: 4254
MELANDER A: 2560
MELANDER S: 3014
MELBERGER E: 1255
MELLETTE SJ: 2933
MELLGREN SI: 2581
MELLIERE D: 1594
MELLINGER GT: 1964
MELMON KL: 2807, 4185
MELNICK GS: 3585
MELTON HE: 590
MELTZER HY: 2582
MEMON GN: 4323
MENARD J: 2563-2564, 3885
MENCIA LF: 3123
MENCZER J: 2565
MENDELOFF AI: 4043
MENDEZ M DEL C: 3359
MENDIZOV IV: 3717
MENDOZA G: 2566
MENGEL K: 2567
MENGER W: 2568
MENISOV AK: 2569
MENKES CJ: 2570
MENKES J: 2571
MENNEAR JH: 2572, 3804
MENON KM: 2573
MEOS E: 2052
MERIN G: 2472
MERKAS Z: 2574
MERKEL RA: 3582
MERKER H: 548
MERKER JW: 1284
MERKLE U: 20
MERMAGEN H: 2440
MERO KN: 1241
MERRILL JE: 2575
MERRILL JP: 168
MERSEREAU WA: 2576
MERSMANN B: 2038
MERSTEN A: 2577
MERSTENOVA E: 2577
MERTIN J: 4261
MERTZ DP: 2578-2579
MESCHIA G: 1982
MESHEL LG: 1738
MESNIL A: 2322
MESSERITSCH M: 1912
MESSINGER K: 2982
MESTECHKINA AIA: 2580
MESTMAN JH: 1345
MESZAROS C: 2741
METZ JW: 2581
METZ SA: 2582
MEULEN-VAN HARSKAMP GA: 144
MEURMAN L: 1401
MEYER A: 2583
MEYER D: 3432
MEYER G: 2584
MEYER GA: 2932
MEYER H: 1568
MEYER P: 85, 1716
MEYER PB: 2587
MEYER RK: 670
MEYER TA: 3388
MEZINOVA NN: 2585
MIANI A: 2586
MIANI C: 2588
MICHAEL AF: 1734
MICHAEL AF JR: 301
MICHAJLIK A: 2587
MICHALOWSKA D: 3182
MICHEL FB: 191, 4084
MICHELSEN WJ: 2588
MICHIELS J: 1820
MICIC R: 138
MICKELSEN O: 1779, 3418
MICKELSON JC: 1134
MICKO I: 2589
MICKOVA M: 1797
MIDDLETON E JR: 3850
MIDGLEY AR JR: 3854
MIDWINTER A: 2590
MIEDICO D: 586
MIEDZINSKA E: 3825
MIENO M: 4300
MIETKIEWSKI K: 2591
MIGEON CJ: 251-252, 761
MIIKHAILENKO VE: 2070
MIKELSAAR AV: 1905
MIKHAIL Y: 2592
MIKHAILENKO ET: 160
MIKHAILENKO OT: 158
MIKHAL'SKII VZ: 2827
MIKKELSEN M: 3615
MIKOSHA OS: 2054
MIKUS L: 1324
MIKUSEK J: 2593
MILAM M: 1435
MILCU SM: 2594
MILDNER T: 2595
MILEW A: 929
MILEWICH L: 2596
MILGRAM JW: 2597
MILGROM E: 3034
MILHAUD G: 1843
MILIN B: 2598
MILINKOVIC N: 3417
MILKOVIC K: 1727
MILKOVIC S: 1727, 2068
MILLAR GN: 1102
MILLARD PR: 23
MILLARD SA: 2599
MILLENDER LH: 2600
MILLER B: 540, 2601
MILLER DF: 2602
MILLER HC: 2603
MILLER J: 1575
MILLER JK: 2604
MILLER KW: 931
MILLER M: 2683
MILLER ML: 2605
MILLER NE: 2075
MILLER RH: 2897
MILLER RK: 2606
MILLER RL: 2607
MILLER SA: 2138
MILLER TB JR: 2608
MILLER WR: 2609
MILLET D: 2781
MILLIEZ P: 1716, 3885
MILLNER G: 2413
MILLS JN: 2610
MILLS OH JR: 2289
MILLS TM: 2499, 2611
MILNE BS: 340
MILNE RG: 863
MILNER AJ: 2612
MILTON AS: 1105
MILTON SH: 66
MINEDA H: 4009
MININBERG DT: 2613
MINKIN C: 3597
MINKOFF L: 2614
MINNE H: 1729
MINNICH J: 1803, 4297
MINTON JP: 2615
MIOCQUE M: 1282
MION H: 191
MIRAKHMEDOV MM: 3993
MIREJOVSKY P: 2616
MIRHOM YW: 2617, 3833
MIRONENKO AP: 2069-2070
MIRONENKO VI: 1303
MIROUZE J: 1811, 2618
MIRZA AM: 1183
MISCHLER T: 2637
MISENHIMER HR: 2619
MISHELL DR JR: 1345
MISHEV P: 2620
MISHRA SK: 2821
MISRA NK: 2622
MISRA P: 2275
MITCH WE: 2623
MITCHELL MJ: 3220
MITCHELL ML: 2624
MITKOKH DI: 2625
MITNICK M: 2770
MITOV FR: 2620
MITROFANOV II: 4360
MITROVIC M: 1590
MITSKEVICH MS: 2626
MITSUNOBU K: 2305
MIYA TS: 3804
MIYAGAMI M: 2751
MIYAMOTO E: 951, 2627
MIYAMOTO H: 2628
MIYAMOTO T: 2443
MIYANO M: 2629
MIYAZAKI T: 4313
MIZEJEWSKI GJ: 2630
MIZRAHI L: 1319
MIZUNO FM: 3210
MIZUNO M: 2631
MIZUSHIMA Y: 1898
MOAYER M: 2632
MOCCETTI T: 2633
MOCKEL J: 774
MODAN B: 2522
MODAN M: 2522
MOENS L: 2634
MOFFITT EA: 2635
MOGENSON GJ: 2636
MOGGIA A: 2637
MOGHISSI KS: 2638
MOGIELNICKI RP: 3775
MOGUILEVSKY JA: 2639-2640
MOHANDAS A: 2730
MOHR HJ: 2641
MOHRENWEISER HW: 2642
MOISEEV VS: 2643
MOK E: 1226
MOKLER CM: 2644
MOLEN HJ VAN DER: 513, 4124
MOLEVA NI: 4072
MOLINATTI GM: 2645
MOLINO G: 2646
MOLITOR JT: 2647
MOLL E: 1421
MOLLA MA: 2429
MOLLEN M: 3153
MOLLER A: 605
MOLLER JV: 2097
MOLLER M: 2648
MOLLGAARD K: 2648
MOLLICA L: 131
MOLLISON K: 2236
MOLLMANN H: 2537
MOLNAR J: 2649
MOLNE K: 2650

MOLTZ H: 2258, 2651
MOMOSE G: 1791, 2747
MONACO AP: 143
MONACO F: 2652
MONARCA B: 2468
MONBON M: 2653
MONCHIK JM: 2854
MONCRIEFF MW: 2655
MONEY J: 4274
MONGIN M: 2495
MONIER P: 309
MONK IB: 2431
MONKHOUSE DC: 2656
MONNIER L: 1811, 2618
MONTAGUE W: 2657
MONTENECOURT BS: 2858
MONTGOMERY JR: 2455
MONTIBERT J: 839
MONTIS G DE: 2859
MONTOYA F: 2813
MOODIE EW: 68
MOON HD: 2860
MOOR RM: 2861
MOORE BW: 2882
MOORE JG: 2176
MOORE MM: 2998
MOORE S: 2576
MOORE WV: 4278
MOOTZ W: 1081
MORAN JH: 2883
MORAND P: 2884
MORAVEC R: 2885
MORAY D: 2245
MORDUE AJ: 2688
MOREHOUSE DD: 1489
MOREIN EM: 2531
MOREL F: 3272
MORELIS P: 2887
MORERA AM: 3351
MORETTI G: 808
MORGAN C: 1680
MORGAN DB: 3207
MORGAN HG: 2868
MORGAN J: 3779
MORGAN WW: 2869, 3192
MORGENROTH K: 2870
MORGER R: 2871
MORGNER KD: 2672-2873
MORI H: 3773
MORI M: 4009
MORILLO-CUCCI G: 1302
MORIMOTO Y: 4181
MORIN RJ: 2874
MORISHIGE WK: 2675
MORIYASU N: 2751
MORLEY AR: 92, 2876
MORLEY J: 1537
MOROZOV VN: 2877
MOROZOVA GR: 3741
MORRELL RM: 3994
MORRICONI ER: 578
MORRILL LM: 1485
MORRIS DJ: 2878-2879
MORRIS HP: 800, 4053-4054
MORRIS HR: 2680
MORRIS NR: 3472
MORRIS RE: 616
MORRISON AG: 2681
MORRISON M: 3027
MORRISSEY JF: 114
MORROW WG: 169
MORSCHES B: 1685, 1705-1708
MORSE HC: 2682
MORSE SI: 2939
MORSE TS: 1439
MORTELMANS J: 2080
MORTON JJ: 503, 4187
MORVAY J: 1082
MOSCONA AA: 1888
MOSCONA M: 1868
MOSCOVIC EA: 137
MOSER K: 3138
MOSER RJ: 3701
MOSEROVA J: 3829
MOSES AM: 2683
MOSHANG T JR: 2684-2685
MOSIER HD JR: 2686
MOSKOWITZ RW: 898
MOSSNER G: 2687
MOTLIK K: 2688
MOTLIK K: 2689
MOTTA M: 4333
MOTUZ TA: 2890
MOUDGAL NR: 2487
MOULTON BC: 1968
MOUNIB MS: 2891
MOUNIER Y: 2892
MOUNIER-KUHN P: 2893
MOUNT LA: 2588
MOUSTAFA MA: 594
MOUTIER R: 2894
MOWAT AG: 1168
MOWAT AP: 2895
MOWBRAY S: 2898
MOWERY MB: 2697
MOY P: 1245
MOYER CF: 1038
MOYLE WR: 2898
MRAZ FR: 2899-2700
MRHOVA O: 1821
MROCZEK WJ: 2701
MROSZCZYK M: 414
MUELLER JF: 3318
MUELLER MN: 2702
MUELLER RA: 1143
MUELLER WJ: 2703
MUGGIA FM: 2704
MUHLBAUER RC: 3207
MUHLEN A VON ZUR: 2873
MUIR RW: 1994
MUKHAMEDSHIN RA: 2705
MUKHERJEE AK: 2706
MUKHERJEE C: 2707, 3883
MUKHERJEE SP: 2707
MUKHOPADHAYA A: 3517
MULBOW PJ: 4370
MULDER JL: 108
MULLER D: 4122
MULLER H: 530, 2198
MULLER JH: 2708
MULLER W: 3757
MULLER WH JR: 3170
MULLER-HESS R: 1308
MULLICK FG: 2709
MULROY R: 2710
MUMFORD DM: 2455
MUMMA RO: 4078
MUNCK A: 1523
MUNGER BL: 2953
MUNRO HN: 2711
MUNRO RE: 1094
MUNSHI SR: 2712-2713
MUNSON AE: 2933
MUNTHE E: 2714
MUNTIU M: 2968
MUNTZING J: 2801-2802
MURAD F: 2715
MURAI S: 1898
MURAKAMI M: 3848
MURDOCH RN: 2718
MURPHY BE: 2717
MURPHY ED: 2718
MURPHY GP: 2719, 3452
MURPHY H: 3207
MURPHY KJ: 4145
MURPHY TM: 2720
MURPHY WK: 2022
MURRAY AW: 2721
MURRAY CL: 649
MURRAY J: 403
MURRAY P: 3880
MURRAY TM: 2722, 3082
MURRAY-LYON IM: 2723
MUSIAL V: 1424
MUSIL J: 1987
MUSSEY E: 4168
MUSTARD JF: 1995, 4002
MUSTO N: 207
MUSZBEK L: 2724
MUTTON DE: 3264
MUZZARELLI RA: 2725
MYERS GH JR: 3871
MYERS RD: 258
MYERS RE: 18, 1543
MYLES WS: 2728
MYLLARNIEMI H: 2727

N

NAAS W: 2728
NABET P: 281, 1583
NABRADY J: 3831
NACE HR: 2729
NACHMAN RL: 780
NADAKAL AM: 2730
NADKARNI D: 3878
NADKARNI GD: 2731
NADNORNIK P: 2732
NAEIM F: 2733
NAESS K: 2734-2735
NAFTOLIN F: 52, 1157, 4138
NAGAI Y: 2738
NAGASAWA H: 2737
NAGATA Y: 1345
NAGAYA H: 2738
NAGL W: 2739
NAGLE CA: 2740, 3294
NAGLE R: 3335
NAGY E: 2741-2742
NAHIR AM: 3412
NAHMER D VON DER: 2743
NAHMOD VE: 1359
NAIMARK DA: 60
NAIR KG: 2744
NAIR PP: 587, 2745, 3689
NAIR RM: 3178
NAIR VS: 2746
NAJARIAN JS: 3323, 3572
NAJJAR SS: 490
NAKADA T: 2747
NAKAGAWA H: 4009
NAKAHAMA H: 3397
NAKAHAMA M: 732
NAKAI T: 2748
NAKAMARU Y: 2749
NAKAMURA M: 2750
NAKAMURA N: 1235
NAKAMURA RM: 1345
NAKAMURA S: 2751
NAKANISHI M: 2752
NAKANO J: 2753
NAKAYASU K: 4028
NALBUFF EA: 2600
NAMIKI A: 3845
NANCE DM: 2923
NANU-IONESCU L: 2754
NARANG N: 2755
NARANG S: 2755
NARAYANAN Y: 2758
NARBUTT B: 1394
NARDI I: 2757
NARDI R: 5
NARITA S: 3809
NASCA PC: 1417
NASH A: 1899
NASR MF: 2178
NASSAR VH: 1196
NATH N: 2797
NATHANIELSZ PW: 845, 2758
NATHANSON JA: 2759
NATHANSON M: 3515
NATORI T: 1771
NATSUME R: 1981
NAUJOKS H: 2760
NAVARRETE R: 2781
NAVIA JM: 3862
NAWAR T: 2009
NAYAR KK: 2762
NAYFEH SN: 3234
NAYLER WG: 2763
NEACSU C: 4015
NEAL HS: 2017
NEAVES WB: 2764
NEBEL L: 3065
NEDOK A: 2785
NEDOMA K: 2768
NEDVIDKOVA J: 1114
NEDWICH A: 3894
NEEDLEMAN P: 964, 4091
NEELON FA: 2787
NEER EJ: 2768
NEERING H: 2769
NEFF NH: 4302
NEFF TA: 3016
NEGREBETSKAIA IV: 1460
NEGRUZZI T: 164
NEIDHART J: 1470
NEILL MP: 4138
NEIMAN P: 3763
NEIMANN N: 1320

NEJAD IF: 2770
NELSON DM: 2410
NELSON GH: 2771
NELSON JF: 3576, 4290
NELSON JH: 2772
NELSON JS: 2773
NELSON LW: 2774
NELSON R: 2775
NELSON TG: 2654
NELSON VG: 71
NEMANIC G: 2118
NEMEC J: 2778, 4041-4042, 4329
NEMEC R: 1324
NEMERSON Y: 2777
NENNO DJ: 2778
NERUP J: 2480
NESBAKKEN R: 2779
NESS MA: 3998
NETHERCOTT JR: 4017
NETSKY MG: 3104
NETT TM: 2780
NETTER A: 2781
NEUBERGER A: 1403
NEUFELD AH: 2782, 3487
NEUHOFF V: 2881-2882
NEUMAN F: 3147
NEUMANN E: 3432
NEUMANN F: 2783
NEUMANN W: 2143
NEVELICHUK VV: 2784
NEVILLE AM: 2842-2843, 3490
NEVILLE DM JR: 1887
NEVILLE WE JR: 2785
NEW MI: 834
NEWCOMBE DS: 2786
NEWELL JE: 3083
NEWMAN L: 1824
NEWSOME HH JR: 710
NEWSOROFF GP: 3851
NG KY: 1023
NG LK: 2192
NGAI SH: 4303
NGUYEN-PHU-LICH: 3981
NIALL HD: 2871, 3081
NIALL JF: 4245
NICHELMANN M: 2787
NICHOLLS PJ: 985
NICHOLS WK: 1951
NICHOLSON JP: 4350
NICHOLSON WE: 2788, 3020-3021
NICOLESCO S: 2789
NICOLLE FV: 923
NICOLOFF JT: 3599
NIEDERMAYER W: 345
NIEDNER W: 2790, 4129
NIELSEN B: 2119
NIELSEN J: 2791, 3817
NIELSEN LM: 3490
NIELSEN SL: 193
NIELSEN SP: 2792
NIEMANN WH: 2213
NIEMINEN U: 2793
NIENSTEDT W: 1551, 1564, 2794
NIESCHLAG E: 2795-2796
NIEWIAROWSKI S: 2797
NIGHTINGALE DA: 2798
NIKIFOROVA IP: 486
NIKITIUK BA: 4345
NIKL J: 958
NIKOLAEVA GM: 2531
NIKOLOW T: 929
NILES JL: 2799
NILSSON F: 2800
NILSSON I: 1451
NILSSON L: 1829
NILSSON O: 303, 2712
NILSSON T: 2801-2802
NIMNI ME: 907
NINOMIYA JG: 2803
NIRMUL G: 551
NISHCHYMENKO OV: 2804
NISHIMURA H: 2805
NISHIMURA S: 3879
NISHIMURA T: 1785
NISHIYAMA RH: 991
NISHIZUKA Y: 2044
NISSEN-MEYER R: 2806
NISSIMOV R: 2807
NISWENDER GD: 2780
NITECKA L: 2808
NITZAN M: 2809
NITZSCHE H: 2810
NIVELIN'SKI I: 1424
NIXON DA: 52-55
NIXON GW: 2811
NIXON WE: 1679
NIZANKOWSKI C: 2812
NJOKU CO: 2813-2814
NOACK E: 1607
NOBIN A: 231, 360
NOBLE GR: 1869
NOCZYNSKI L: 943
NOEL B: 277, 2225
NOGUCHI T: 2444
NOLAN S: 847
NOLTEN W: 3704
NOORDSY JL: 2814
NORA AH: 2815
NORA JJ: 2815
NORDEN CW: 2816
NORDMANN JJ: 2534
NORDQVIST S: 1451
NORDYKE E: 3238
NORIEGA L: 1629
NORIEGA-GUERRA L: 2817, 2879
NORMAN AW: 481
NORMAN N: 2818
NORMAN RL: 372-374
NORMAND C: 3080
NORRDIN RW: 2819
NORTHRUP RS: 2820
NOSCHEL H: 2985
NOSZKAY A: 2821
NOSZTRAY K: 3823
NOTHMANN BJ: 2822
NOTT MW: 1492
NOVAK JK: 201
NOVAK RF: 2823
NOVICH I: 666
NOWACZYNSKI W: 471, 1528
NOYES C: 1609
NUMAN R: 2366
NUMANO F: 1399
NUSSDORFER GC: 2824
NWOKOLO C: 2825
NYBERG-HANSEN R: 2826
NYLANDER P: 2170
NYLEN MU: 3897

O

OASHI T: 3392
OBE Y: 2027
OBEREMCHENKO IAV: 2827
OBIDITSCH-MAYER I: 3434
OBREBOWSKI A: 3110
O'BRIEN RT: 2404
O'BRIEN TK: 2828
OCHI Y: 2857
OCHOA AG: 3957
OCHOA EL: 2829
OCON PUJADA J: 2830
ODAKE K: 3848
O'DONNELL JM: 2831
ODOR DL: 2832
O'DUFFY JD: 909, 2833
OEHLSCHLAGER AC: 1223
OERTEL GW: 276, 1684-1685, 1705, 2834-2835
OETTINGER W: 3436
OFFRET G: 424
OFNER F: 2034
OGATA M: 2836
OGAWA M: 2169, 2805
OGAWA N: 4012
OGII LI: 2837
OGLE TF: 2838
O'GRADY JF: 2839
O'GRADY JP: 2840
OGUNREMI OO: 2841
OH W: 3899
O'HARE MJ: 2842-2843
OHBE Y: 2026
O'HIGGINS N: 2844
OHRN PG: 105
OKADA K: 2613
OKAMOTO T: 1380
OKAYAMA H: 3564
OKAZAKI A: 2845
OKAZAKI T: 2845
O'KELLY B: 4151
OKINAGA S: 95
OKLA J: 2846
OKUBO T: 2847
OKULOV VB: 2848
OLAH AJ: 2849
OLAMBIWONNU NO: 2993
OLANDER R: 3810
O'LEARY TR: 203
OLEINIK VA: 2850
OLIN DB: 75-76
OLIVEIRA JA DE: 4365
OLIVER C: 2851
OLIVER DO: 3655
OLIVER JH JR: 1707
OLIVER RW: 1837
OLIVERA E: 587
OLIVERIO RM JR: 2852
OLIVO J: 3686
OLLERICH DA: 1618
OLMEDO-ZORRILLA M: 422
OLSEN WR: 3921
OLSON EB JR: 2853
OLSON JW: 4182
OLSON KB: 1352
OLSSON CA: 2854
OLSSON K: 2855
OMDAHL JL: 2856
ONAYA T: 2857-2858
O'NEILL PB: 2859
ONG SD: 2860
ONIANI TN: 2861
ONO I: 2862
ONUIGBO WI: 2863
OOKI T: 2864
OOMS HA: 768, 1189
OOSTERHUIS HJ: 2865
OPARIL S: 2866
OPITZ A: 2096
OPITZ JM: 1699
OPITZ K: 2867
OPPELT WW: 3296-3297
OPPENHEIMER JH: 1374, 3801
OPPO GT: 1349
OPUSZYNSKA T: 4349
ORBECK H: 2868
ORCI L: 3320
ORCZYK GP: 248, 2869
OREOPOULOS DG: 3155
ORESCHKOW W: 929
ORFANAKIS MG: 2870
O'RIORDAN JL: 2871, 3094, 4212
ORKIN FK: 2872
ORKO R: 1608
ORLOV GP: 2091
ORLOVA LV: 2873
ORLOVA RS: 204
ORLOWSKI M: 2874
ORMSTON BJ: 1068
ORNOY A: 3364
ORO L: 608
O'ROURKE DA: 2875
OROZCO H: 2876
ORR WM: 4240
ORRENIUS S: 2877
ORSI L: 3294
ORSINI A: 2878
ORSMOND G: 797
ORTEGA E: 777, 1629, 2817, 2879
ORTH H: 1683
OSAWA E: 3949
OSAWA T: 3972
OSBORNE E: 165
OSBORNE NN: 2880-2882
OSHIMA Y: 2443
OSMAN OH: 1076
OSSENKOPP G: 2883
OSSERMAN EF: 1093
OSSWALD W: 2884
OSTAPIUK FE: 2885
OSTERMILLER WE JR: 3674
OSTROWSKI A: 2094
OSTROWSKI K: 183
O'SULLIVAN WJ: 4283
OSWALD I: 2841
OTAKE M: 3392
OTOO SN: 2886
D'OTTAVIO G: 1185
OTTERSKY G: 2299
OTTO AJ: 2887
OTTONEN PO: 2888-2889

OVERCASH KE: 2890
OWEN LN: 436
OWENS K: 2891
OXENDER DL: 2892
OXENDER WD: 3569
OYAMA T: 2893
OYE I: 2894
OZAKI A: 3153
OZON R: 2895
OZONOFF MB: 2896

P

PAAPE MJ: 2897
PACE-ASCIAK C: 2898
PACKHAM MA: 4002
PACYNSKI A: 2899, 4366
PADALIKOVIA D: 2900
PADGETT GA: 3551
PADWICK D: 1567
PAEPE M DE: 3204
PAGE RB: 2901
PAGEAUT G: 3175
PAGLIARA AS: 2902-2903
PAGNI R: 2904
PAICE F: 923
PAIS M: 133
PAK SG: 538
PAL SB: 2905
PALA A: 2906
PALADINI AC: 740
PALAMARCHUK VI: 2907
PALAV AB: 4150
PALDI E: 7, 1255
PALEI AA: 3929
PALM J: 1582
PALMER GC: 2908-2910
PALMER RF: 792
PALMER WK: 2911
PALMISANO PA: 2912
PALMITER RD: 2913
PALO J: 2914
PALOCZI K: 1104
PALOYAN D: 2915
PALOYAN E: 2915
PANARETTO BA: 2916
PANCHAUD JR: 2917
PANCHENKO LA: 525
PANCHENKO LF: 2918
PANDEY S: 2919
PANDEY SD: 1694
PANDYA NL: 3645
PANDZHAKIDZE GI: 163
PANG PK: 2920
PANIGEL M: 3446
PANJABI MM: 2921
PANKSEPP J: 2922-2923
PANT KP: 2924
PANTELAKIS SN: 213
PANUSH RS: 2925
PAOLAGGI JB: 130
PAOLINO RM: 308
PAPA CM: 3455
PAPA G: 2466
PAPANAYOTOU PH: 2926
PAPAPETROU PD: 218, 2415
PAPE GR: 1547
PAPENFUSS M: 1954
PAPEZ L: 2030
PAPP Z: 1272
PAPPO A: 2927
PAPWORTH MP: 2928
PARADA MI: 2929
PARADYSZ A: 4137
PAREKH MC: 2930
PARENT A: 2931
PARENT AD: 2932
PARFENOVA LK: 204
PARISER RJ: 2933
PARISI M: 2934
PARK BH: 1254
PARK CD: 2935
PARK CR: 770, 3663
PARK DM: 503
PARK IJ: 2936
PARK JF: 169
PARK R: 3398
PARK RL: 1271
PARK WK: 3183, 3227
PARKER CW: 2937-2939
PARKER DE: 3281
PARKER DR: 2940
PARKER WG: 3795
PARKS JS: 2685
PARKS LC: 4238
PARKS LW: 3919
PARLOW AF: 2941
PARMEGGIANI PL: 2942-2943
PARR AF: 3582
PARRA A: 2876
PARRATT JR: 1760
PARRY HB: 2340, 2944
PARSONS V: 2945
PARTRIDGE W: 1296
PARUNOVIC M: 2574
PARVEZ H: 2946-2947
PARVEZ S: 2946-2947
PARVULESCU I: 2948
PASCAL RR: 1937
PASCO PJ: 1073
PASCOE JE: 1035
PASHA SP: 2949
PASK HT: 2504
PASSA P: 2950
PASSARGE E: 1302, 3459
PASSARO EP: 481
PASSON PG: 3017
PASSWELL J: 2951
PASTAN I: 850, 883-884
PASTEELS JL: 3253
PASTERNACK RF: 2952
PATAKY PE: 2953
PATANELLI DJ: 493
PATAU K: 3391
PATEL AJ: 2954
PATEL DJ: 2955
PATEL RN: 388
PATEL SK: 1044
PATEL YC: 2956
PATERSON C: 3096
PATERSON JY: 2916, 2957
PATH MR: 3166
PATNAIK GE: 3179
PATRI B: 442
PATRICK JE: 3004
PATTERSON JH: 3315-3316
PATTERSON JT: 1570
PATTERSON RB: 1861
PATTON S: 2958
PATTYN SR: 2959
PAUERSTEIN CJ: 2960
PAUKOVITS WR: 2961
PAUL D: 2500, 3499
PAUL P: 2962
PAUL PK: 2963
PAULA E SILVA P DE: 2964
PAULING L: 579
PAULO LG: 2965
PAUNESCU C: 2966
PAUP DC: 745, 2967
PAUSESCU E: 2968
PAVEL S: 712
PAVEL'EVA NI: 3802
PAVLOVA A: 3676
PAWELEK J: 4278
PAWLACZYK J: 2969
PAWLOWSKI Z: 677
PAYK TR: 2970-2971
PAYNE AH: 2972
PAYNE IJ: 1058
PAYNE JP: 1863
PAYNE NN: 3944
PAYSANT P: 261, 1563
PAZ B: 2522
PEACH MJ: 2575
PEACOCK MR: 2973
PEAKE GT: 527
PEAKER M: 2324
PEARCE EI: 2974
PEARCE FL: 2975
PEARCE J: 2976
PEARLMUTTER AF: 2977
PEARSE AG: 2978
PEARSON AK: 2979
PEARSON H: 2980
PEARSON HA: 2404
PEARSON J: 2410
PEARSON K: 341
PEARSON KD: 2981
PEART KM: 1037
PECHAN J: 2525
PECHET LN: 2346
PECHET MM: 209
PECK EJ JR: 74
PECK WA: 2982
PEDERNERA EA: 2983
PEDERSEN MG: 1878
PEDRINI V: 2029
PEDRINIS E: 24
PEELING WB: 129
PEETERS G: 3204
PEGG JR: 2872
PEGUM JS: 2984
PEIKER G: 2985
PEILLON F: 620, 1318
PEIPER U: 3431
PEIRCE TH: 2986
PEKNICOVA J: 3059
PELAEZ REDONDO J: 3261
PELCZARSKA AB: 2987
PELEGRINA I: 1227
PELESHCHUK AP: 1793
PELKONEN O: 2988
PELLEGRINO ED: 2989
PELLEGRINO DE IRALDI A: 2990
PELLERGRINO C: 2904
PELTONEN J: 2170
PELZL H: 2601
PENA JC: 2761
PENARROJA RABAZA J: 2991
PENCEA V: 3978
PENDL G: 2060
P'ENG F: 143
PENHOS JC: 905, 1487
PENICK SB: 2992
PENN I: 1519, 3724
PENNEMAN R: 1996
PENNEY DP: 3536
PENNINGTON GW: 1312
PENNINGTON W: 3238
PENNISTON JT: 3684
PENNY R: 2993
PENTO JT: 2994
PEPE G: 3303
PEPE GJ: 2675
PEPYS J: 2390
PEQUIGNOT H: 2995
PERA F: 3443
PERACHIO AA: 2473
PERAINO C: 3136
PERCY CL: 291
PERCY ROBB IW: 1375
PERCY-ROBB IW: 2841
PERDRIEL G: 2996
PEREC CJ: 2997
PEREIRA AB: 36
PEREK M: 3656
PERELMAN SR: 3515
PERES G: 640
PERETZ A: 7
PERETZ BA: 7
PERFILOV PO: 161
PERGOLA F: 1218
PERKINS JP: 2998
PERKINS RP: 4364
PERLEMUTER L: 1594-1595
PERMANTIER Y: 3333
PERNOD J: 2999
PERNU M: 886
PERPER RJ: 3000
PERRAULT M: 3001-3002
PERRETTI F: 3003
PERRIN E: 2445
PERRY C: 524
PERRY IR: 1863
PERRY S: 1129, 2328
PERRY TB: 3004
PERSIZ MM: 2049
PERTOT E: 258
PERTZELAN A: 2809
PERZIGIAN AJ: 3005
PESCE AJ: 1136
PETERS F: 2248
PETERS HD: 3450
PETERSEN A: 403
PETERSEN DF: 878
PETERSEN GB: 2791
PETERSEN HS: 3006
PETERSEN LP: 4181
PETERSON DF: 3007

7450

AUTHOR INDEX

PETERSON M: 4282
PETERSON WD JR: 3008
PETITE JP: 1218
PETKOVIC I: 121
PETRAK ML: 3009
PETRESCU C: 3I03
PETRICCIANI JC: 4148
PETRONE G: 3107
PETROV MN: 80
PETROVA MM: 410
PETROVA NI: 3010
PETROVSKY E: 3011
PETRUSZ P: 3012
PETRYNIAK J: 30I3
PETTERSSON F: 3014
PETTIGREW AR: 3015
PETTY TL: 3018
PETZOLD GL: 2827
PEULER JD: 3017
PEUTE J: 3018
PEVZNER MS: 3019
PEYSER MR: 3470
PEYTREMANN A: 3020-3021
PFANDLER U: 3022
PFANNENSTIEL P: 3023
PFEIFFER RA: 3024
PHARRISS BB: 842
PHELAN R: 3407
PHILIBERT H: 2887
PHILIP AG: 3025
PHILIP J: 3613, 3616
PHILIPPART M: 3838
PHILLIPS AP: 3028
PHILLIPS DR: 3027
PHILLIPS JG: 629-631
PHILLIPS LL: 3028
PHILLIPS ME: 3029
PHILLIPS N: 3030
PHILLIPS RF: 3031
PHILLIPS SF: 3032
PIATAK DM: 3033
PIATKOWSKI B: 3730-3731
PICCINNI ZF: 2934
PICHARD AL: 1906
PICHLER G: 1347
PICHON MF: 3034
PICKERING AF: I150
PICKERING M: 568
PICKERODT VW: 1941
PICKLEMAN JR: 2915
PICZAK C: 4112-4113
PIDDINGTON R: 3035
PIEAU C: 3038
PIEKARZEWSKA AB: 1884
PIEL CF: 3274
PIERARD J: 13
PIERCE GE: 3129
PIERPAOLI W: 3037
PIERRE RV: 3038
PIERREPOINT CG: 864
PIERRON H: 2878
PIERSON M: 1320
PIKE RL: 3055
PILCH BZ: 3039
PILEGGI CJ: 4258
PILLAI MD: 1980
PILO A: 334
PIMENOVA LM: 4348
PIMSTONE BL: 2282
PINAUDEAU Y: 1594
PIPELEERS DG: 2448
PIPES PL: 3040
PIRANI CL: I138
PIROGOV AB: 1431
PIRONNEAU A: 3265
PIRUZIAN LA: 2488
PISARCZYK A: 4327
PITESKY I: 3041
PIVNITSKII KK: 2156
PIXBERG HU: 3023
PLACHECKA-GUTOWSKA M: 3042
PLAINFOSSE B: 3515
PLAMBEK H: 308
PLANETA-MALECKA I: 4338
PLANTZ PE: 2958
PLASSE JC: 2334
PLATA EJ: 3043
PLATT HA: 1458
PLATZBECKER H: 2040
PLAUT W: 2490
PLEKHOVA EI: 3044
PLESSE R: 2168
PLETSCHER A: 311, 3088
PLEUSS HJ: 1861
PLIEVA SHA: 3045
PLOEMACHER RE: 3896
PLOURDE R: 3046
PLOWMAN MM: 3047
PLUTH JR: 2835
POCHET R: 3702
POCHI PE: 1918
PODLESKI UG: 3048
PODLESKI WK: 3048
PODOBA J: 3049
PODOS SM: 3050
PODVYSOTSKII VV: 1910, 3051
POENARU L: 3052
POGGLITSCH H: 3053-3054
POHANKA DG: 3055
POHL P: 3424
POISNER AM: 3056
POISSON J: 2495
POKORNY Z: 958
POKROVSKAIA SV: 2463, 3057
POLACK FM: 3058
POLACKOVA M: 3059
POLAK JM: 2978
POLAND A: 3060
POLANI PE: 47-48
POLANO MK: 3061, 4203
POLCER J: 414
POLIANSKAIA AM: 1079
POLIKARPOVA LI: 3062
POLISHUK WZ: 3063
POLIUKHOV SM: 3064
POLLAK A: 3065
POLLAK S: 2951
POLLAK VE: 1136
POLLARD JD: 3066
POLLARD JJ: 3082
POLLARD W: 453
POLOWIEC Z: 1893
POMPINO HJ: 1603
POND WG: 2819
PONOMAREV AF: 3064
PONTE C: 1281
PONZONE A: 1074
POPE CE: 686
POPJAK G: 1506
POPLAVS'KA LI: 488
POPLAWSKI W: 2133
POPMA BH: 3067
POPOV AP: 39
POPOV PG: 3068
POPOVA OB: 3069
POPOVICH F: 3920
POPOVICI C: 2228
POPOVITZER M: 1446
POPOWICZ K: 3070
POPPE I: 3708
POPPE W: 3071
POPPER H: 3409
PORCELLI RJ: 3072
PORIES WJ: 1160
PORSTMANN T: 3287
PORTE A: 1858
PORTEMER C: 2239
PORTER BA: 3073
PORTER K: 3074
PORTER KA: 3075
PORTO R: 3516
POSKALENKO AN: 3078
POSSNER R: 4122
POSTMA PW: 3200
POTCHEN EJ: 3779
POTEMKINA EE: 2I37
POTIER JC: 1099
POTOKAR T: 3077
POTTER BS: 3078
POTTS DM: 3079
POTTS JT: 2871
POTTS JT JR: 3081-3082
POULET J: 3080
POUPON R: 2298
POUSSET G: 1469-1470
POVOLOTSKAIA GM: 1015
POWELL D: 341, 251I, 3081-3082, 3597, 3998
POWELL DA: 2854
POWELL JB: 3083
POWELL T: 3084
POWERS E: 1306
POWLES AC: 3085
POWLEY TL: 1949
POZNANSKI AK: 1377
PRAAG HM VAN: 2184, 3118
PRABHA AC: 2155
PRADA M DA: 3086
PRADER A: 490, 1088
PRADO-ALCALA RA: 3087
PRANGE I: 3088
PRASAD KN: 3089-3090
PRASAD N: 556
PRASLICKA M: 28-29
PRATA M: 1462
PRATAP VK: 3091
PRECHTEL K: 3092
PREDO'SCU V: 3093
PREECE MA: 3094
PREFAUT C: 4084
PREIBSCH W: 2790, 4129
PREMACHANDRA BN: 78
PRENDERGAST JJ: 1356
PRENZLAU P: 3095
PRESCOTT D: 3074
PRESCOTT RJ: 3096
PRESL J: 1722
PRESTON FE: 3817
PRESTON TR: 3097
PRESUTTI R: 2613
PRIBILLA W: 1239
PRIBRAM KH: 3698
PRICE S: 3098
PRICE WH: 3099
PRIETO VALTUENA J: 3100
PRIGNITZ R: 3101
PRINTZ RH: 2191
PRISCU R: 3102-3103
PRITCHARD PB 3D: 3104
PRITZ WF: 3105
PRIVETT OS: 2750, 3860
PROESMANS W: 3106
PROFETA G: 3107
PROKOPCZUK A: 3108
PROKSOVA EG: 3109
PROSHCHENKO NL: 2827
PROUT MN: 867
PRSHEDROMIRSKII MT: 4065
PRUNTY FT: 1419
PRUSZEWICZ A: 3110
PRYSE-DAVIES J: 3111
PRZEKOP F: 944-945
PRZYBYLSKA K: 494-495
PRZYBYSZOWSKI A: 3112
PUCHE RC: 3113
PUDOV VI: 2051
PUGA FJ: 3114
PUGET A: 3115
PUGH JI: 3116
PUGLEEVA VP: 3506
PUHARIC I: 3117
PUITE JK: 3118
PUJOL M: 1128
PULIN A: 3119
PULKKINEN MO: 812, 3120, 3932
PULLIAM LA: 1900
PULTORAK M: 371
PUNNETT HH: 3121
PUNNONEN R: 3122
PURANDARE TV: 2713
PURANIK SR: 3123
PURCHASE HG: 3124
PURNELL DM: 3125
PUROLA E: 2793
PURVIS K: 3126
PUSHPENDRAN CK: 1003
PUTNAM CW: 1519, 3724
PUTNEY FJ: 2890
PUZYREV AA: 3127
PYTEL' AIA: 3128

Q

QUADRACCI LJ: 3129
QUADRI SK: 3130
QUAIFE R: 1755
QUEVA B: 4074
QUICHAUD J: 993
QUIMBY MC: 4272
QUINLAN DK: 1395

R

RA RABINA EV: 94
RAAB W: 3131
RAAFAT F: 3132
RABIN BR: 4236
RABINOWITZ D: 3292-3293
RADI A: 1471
RADIONOV NT: 3133
RADKE J: 3328
RADO JP: 3134
RAESIDE JI: 2095
RAFII F: 3686
RAFINSKI T: 2093
RAGER K: 3135
RAGGHIANTI M: 2757
RAGHAVAN KS: 2213
RAHIMTOOLA SH: 4282
RAHMAN YE: 3138
RAIBORN C: 4057
RAIKOW RB: 3137
RAINER H: 3138
RAISKAIA MM: 3139
RAITH L: 3140
RAJERISON R: 3308
RAJKI SE: 2529
RAJKOVIC V: 72
EL-RAKHAWY YT: 4
RAKHIT S: 681
RAKHMATULLAEV MM: 3993
RALPH RK: 3141
RAMACHANDRAN J: 2898
RAMADAN ME: 3373
RAMAGE CM: 4144
RAMALEY JA: 3142-3143
RAMALINGASWAMI V: 2033
RAMAMURTHY NS: 3144
RAMAN R: 3541
RAMEY ER: 3145
RAMIREZ-ACOSTA J: 2781
RAMIREZ-RODRIGUEZ C: 3969
RAMOS A: 3148
RAMOS OL: 38
RAMP WK: 3147
RAMSAY CA: 2984
RAMSAY I: 147
RAMSDEN DB: 863
RAMWELL PW: 873, 3566, 4184
RANADIVE KJ: 3148
RANDALL RV: 909, 2833
RANDEL RD: 3149
RANDHAWA HS: 2621
RANDLE PJ: 2504
RANDY HA JR: 3150
RANE A: 3151
RAO BS: 3703
RAO CR: 3152
RAO SS: 2713
RAPAPORT FT: 3153
RAPAPORT LI: 3154
RAPAPORT SI: 3507-3508
RAPER C: 1492
RAPINO E: 2977
RAPOPORT A: 3155
RAPP JP: 3156
RAPPAPORT R: 1495
RAPPAY G: 3157-3158
RAPSON HD: 594
RASIN MS: 3159
RASKA K JR: 4354
RASSAERT CL: 3160
RASTOGI RC: 681
RASTOGI RK: 3161
RASZEJA-WANIC B: 3162
RATAJCZAK T: 1509
RATCLIFFE JG: 55, 3181, 3916
RATCLIFFE NA: 3727
RATCLIFFE SG: 3163
RATH R: 3676, 4118
RATHMACHER RP: 501
RATNER AIU: 3164
RATTEN GJ: 249, 3165-3166
RAUCH N: 3167
RAUCH RJ: 3167
RAUH W: 1683
RAUSING A: 3975
RAVEN RW: 3168
RAVNSKOV U: 3169
RAWITSCHER RE: 3170
RAWLINS CL: 346
RAWLS RM JR: 2371
RAYBAUD C: 2878
RAYMOND J: 3579
RAYPORT M: 3171
RAYPORT SG: 3171
RAZ A: 3172
RAZMADZE TG: 2158
RAZNY E: 3173
REBAR R: 4309
REBAUD A: 309
REBBE H: 3613
REBIERE A: 3174
REBOUD JP: 2653
REBOUD S: 3175
RECANT L: 905, 1487, 3503
RECONDO EF: 1119
RECTOR FE: 2370
REDDING TW: 3176-3177
REDDY CR: 481, 3179
REDDY K: 680
REDDY SB: 3178
REDDY SS: 3179
REDGATE ES: 2327
REDMAN JF: 3180
REDMOND C: 638
REDSTONE D: 55
REED AH: 4258
REEL JR: 1751
REEMTSMA K: 4154
REES LH: 3181
REEVE EB: 3182
REEVES JJ: 237
REFETOFF S: 3073
REFFO GC: 1103
REGNIER G: 986
REGOLI D: 3183, 3227
REHFELD JF: 1702
REICHARDT HD: 4228
REICHELDERFER TE: 1183
REICHERT LE JR: 3184
REICHL JR: 185
REICHLE FA: 2839
REICHLIN S: 2770, 4039
REID L: 4219
REID LD: 3185
REIL GH: 2374
REILLY JA: 3188
REIMANN I: 1536, 2867
REINAUER H: 352
REINBERG A: 3187
REINERS C: 1421
REINHARDT K: 3188
REINHART R: 4176
REINIUS S: 3189
REINKEN L: 3190
REISENAUER R: 4366
REITER EO: 1354, 2149
REITER RJ: 3191-3192, 3554, 4069
REITZIG P: 3435
REJENT MM: 4295
REKANT SI: 3193
RELIGA H: 3311
RELKIN R: 3194
RELLER CR JR: 3266
REMIS T: 2665
RENAUDIN J: 2588
RENAULD A: 3195
RENCORET R: 3196
RENGER F: 2728
RENIER JC: 3197
RENKONEN OV: 3514
RENNELS EG: 98, 880
RENNIE P: 3198
RENSTON RH: 1388
RENZ A: 281
RENZETTI AD: 2870
REP'EVA KA: 1971
RESCHINI E: 588, 3632
RESNICK MI: 3199
REUSCH E: 1539
REUSER AJ: 3200
REUTER H: 3201
REUTNER TF: 3411
REUTTER W: 3209
REVAZ C: 3202
REVILLARD JP: 3203
REVUSOVA V: 3784
REYES PL: 950
REYNAERS H: 13
REYNAERT R: 3204
REYNHOUT JK: 3205
REYNIER J: 3206
REYNOLDS JJ: 3207
REYNOLDS JW: 3208
REYNOLDS RD: 3209
REYNOSO G: 3452
REZNIKOV OH: 2054
RHOADES RA: 368
RHODES CT: 3573
RHONE DP: 3210
RIBAS JL: 3587
RICAUD D: 2859
RICCABONA G: 3211
RICCIUTI F: 3212
RICH C: 4208
RICH RD: 3677
RICH RR: 2000
RICHARD G: 568
RICHARDSON MC: 3213
RICHELSON E: 3214
RICHIER D: 1595
RICHMOND J: 1822
RICHMOND PA: 3215
RICHOUX JP: 3216
RICHSHOFFER N: 4079
RICHTER D: 3217
RICHTER H: 1817
RICHTER ME: 3218
RICHTER RS: 3160
RICK JT: 711
RICKENBERG HV: 3386, 3458
RIDDELL AG: 3819
RIDDELL HI: 1134
RIDDELL V: 3219
RIDLER MA: 3220
RIECHERT T: 3221
RIEGLE GD: 3222
RIFKIND AB: 3223
RIFLE G: 3203
RIGGALL FC: 3693
RIGGINS RS: 658
RIJSDIJK JC: 438
RIMMER DM: 3224
RINARD GA: 3225
RING R 3D: 610
RINGELMANN R: 3733
RINGLER DH: 3226
RIOS E: 2524
RIOTTE M: 2667
RIOUX F: 3183, 3227
RIOUX JE: 3228
RIPA J: 3975
RIPOLL P: 3229
RIPPEL RH: 3230
RISH BL: 3231
RITZ E: 3232-3233
RITZEN EM: 1203, 3234
RITZERFELD W: 2350
RIVAILLE P: 1843
RIVIER C: 3235
RIVIERE J: 3236
RIVIERE J: 3237
RIXON RH: 4222
RIZZARDO E: 209
RIZZO A: 1054
ROACH MK: 3238
ROBBINS AH: 2039
ROBBINS J: 2652
ROBBINS JH: 3239
ROBBINS KC: 3240
ROBBLEE LS: 3241
ROBERT G: 277, 2225
ROBERT M: 3203
ROBERTS CJ: 3242-3243
ROBERTS GK: 3813
ROBERTS JA: 47-48
ROBERTS MH: 184
ROBERTS RD: 2234
ROBERTS S: 4119
ROBERTSON AL JR: 3244
ROBERTSON DD: 3043
ROBERTSON JI: 503, 2108
ROBERTSON S: 3245
ROBERTSON WB: 588
ROBEYNS P: 3246
ROBILLER F: 3247-3249
ROBIN G: 3589
ROBIN J: 107
ROBIN M: 1811
ROBINOVITCH MR: 223

ROBINSON AG: 3250, 4352
ROBINSON B: 730
ROBINSON BF: 3251
ROBINSON DR: 4199
ROBINSON GA: 2909
ROBINSON HP: 3252
ROBINZON B: 3656
ROBISON GA: 2910
ROBYN C: 768, 3253
ROCCHETTI R: 2725
ROCHE A: 403
ROCHE J: 2174, 3254
ROCKEN H: 3255
RODBARD D: 271
RODBELL M: 3256
RODBRO P: 687
RODGER IW: 1492
RODGERS CH: 3257
RODGERSON DO: 1445
RODMAN HM: 3258
RODRIGUEZ C: 2879
RODRIGUEZ R: 3259
RODRIGUEZ V: 3260
RODRIGUEZ-ANTUNEZ A: 760
RODRIGUEZ CUARTERO A: 3261
RODRIGUEZ DE QUESADA B: 138
RODRIGUEZ-ECHANDIA EL: 2929
ROELEVELD CG: 2769
ROENIGK HH JR: 3262
ROENSPIES U: 3263
ROFFE LM: 3264
ROGE J: 3265
ROGERS E: 349
ROGERS JH: 3548
ROGERS PW: 2162
ROGERS W: 3266
ROH BL: 2965
ROHAN J: 1461
ROHDE W: 957, 3267
ROHER HD: 3233, 4132
ROHLING S: 1113
ROJO ORTEGA JM: 1528
ROLAND M: 3268
ROLLERI E: 3269
ROLLIN I: 3887
ROLLINGHOFF M: 4130
ROMANO A: 1413
ROMANO MC: 3113
ROMANOV IUA: 3270
ROMFH P: 1926
ROMMEL K: 4179
ROMMLER A: 3271
RONCARI DA: 4115
RONDOT P: 1529
RONIEL N: 3272
RONNEKLEIV OK: 3273
ROOF BS: 3274
ROOIJ DG DE: 3275
ROOS J: 10, 106, 644, 3276
ROOS M: 106, 1298
ROOT AW: 3639
ROSADO A: 3277
ROSANOFF EI: 1404
ROSATTI P: 3278
ROSCISZEWSKA A: 3279
ROSE DP: 17, 3280
ROSE LI: 3281
ROSE NR: 4100
ROSECRANS JA: 3282
ROSEN VJ: 3283
ROSENBAUM R: 1589
ROSENBAUM RW: 3284
ROSENBERG EB: 1631, 3285
ROSENBERG IK: 2370
ROSENBLOOM AL: 3286-3287
ROSENBLUM WI: 3288
ROSENBLUTH J: 2407
ROSENFELD CR: 1982
ROSENFELD RL: 3073
ROSENFIELD RL: 2685
ROSENGREN E: 231
ROSENKRANTZ H: 3407
ROSENKRANZ A: 455
ROSENMUND H: 3445
ROSENOW U: 939
ROSENQVIST U: 3289
ROSENTHAL AS: 171
ROSENTHAL M: 2106
ROSENTHAL O: 3429
ROSENTHAL S: 3290
ROSENTHAL WS: 3686
ROSER S: 3276
ROSICK U: 3291
ROSLER A: 3292-3293
ROSNER B: 2391-2392
ROSNER F: 1861
ROSNER J: 3294
ROSNER JL: 884
ROSNER JM: 895, 2740, 3501
ROSNESS P: 4287
ROSOFF CB: 4343
ROSS GT: 1353-1354, 1679
ROSS JJ JR: 973
ROSS MH: 478
ROSS RC: 3295
ROSS W: 3296
ROSS WE: 3297
ROSSANO GL: 3298
ROSSET G: 3299
ROSSIER A: 2659
ROSSIGNOL AM: 435
ROSSLER H: 306
ROSSWICK RP: 3300
ROST FW: 2978
ROSZKOWSKI AP: 2987
ROTEMBERG R: 1927
ROTERS T: 3301
ROTH J: 1887, 2264
ROTH JJ: 1865
ROTH M: 3302
ROTH RH: 2140
ROTHCHILD I: 2675, 3303
ROTHENBERG S: 2050
ROTHMUND M: 518
ROUILLER C: 3320
ROUND JM: 3712
ROUND P: 1680
ROUQUIE A: 614
ROUSSEAU WE: 1869
ROUSSEL-DERUYCK R: 1101
ROUSSIS C: 701
ROUTAVAARA M: 4355
ROVIS L: 3304
ROW VV: 1094
ROWE P: 4176
ROWE PH: 877
ROWLAND LP: 3305, 3843
ROWLEY MJ: 2682
ROY AK: 2598, 3306-3307
ROY C: 3308
ROY RK: 647
ROY S: 3309
ROYER P: 3310
ROZA O: 1309
ROZHDESTVENSKAIA ZA: 410
ROZIN RR: 2472
ROZNIECKI J: 3311
RUBET A: 479
RUBIN P: 4030
RUBIN RW: 3312
RUBIN SO: 3313
RUBINJONI Z: 3314
RUCH JV: 1298
RUCKER RB: 658
RUDDLE FH: 3212
RUDER HJ: 2795
RUDMAN D: 3315-3316
RUDOLF LE: 3722
RUEFF FL: 3317
RUEGAMER WR: 3318
RUELLAN YM: 1339
RUF KB: 3319
RUFFNER C: 3320
RUH MF: 3321
RUH TS: 3321
RUITTON-UGLIENGO A: 3322
RUIZ DC: 4028
RUIZ JO: 3323
RUIZ-MAZA F: 761
RUIZ VELASCO V: 3324
RUKENSTEIN A: 1311
RUMELIN K: 3325
RUMKE P: 3326
RUMYANTSEVA ON: 2626
RUPEK R: 1111
RUPP M: 3327
RUPP N: 3328
RUSAK LV: 3329
RUSCA G: 51
RUSH RA: 1288
RUSIECKA-WOJCIECHOWSKA E: 1278
RUSSEL RG: 3647
RUSSELL RG: 3330
RUSSELL RW: 1555
RUSSELL SL: 3331
RUSSELL WR: 3332
RUSSO AC: 2554
RUTH RC: 2891
RUTHMANN A: 3333
RUTHVEN CR: 3384
RUTLEDGE F: 3643
RUTTER WJ: 2227
RUTTNER B: 813
RYAN GB: 1246
RYAN KJ: 1157, 3334
RYAN R: 3335
RYAN RJ: 3403
RYBAKOVA EI: 163
RYBAKOVA LI: 1919
RYBAKOWA M: 3336
RYBAKOWSKI J: 3337
RYCHTEROVA V: 272
RYCKEWAERT P: 1281
RYO UY: 3338
RYTEL MW: 3339
RZEPECKI A: 4372
RZESNIOWIECKA G: 1942

S

SAAT YA: 3340
SABA TM: 3483
SABATINI DE: 3341
SABIR M: 3342
SACCO AG: 3343-3345
SACHS C: 1867
SACK H: 3346
SACKEYFIO AC: 3347
SACS FL: 1285
SADEE W: 3437
SADOFF L: 3348
SAEGER W: 3349
SAENGER W: 3350
SAEZ JM: 3351
SAFFRAN M: 2977
SAGEL J: 3352
SAHN SA: 3353
SAHYOUN A: 143
SAIRAM MR: 3354
SAITO N: 3355
SAITO T: 1771
SAJDERA SW: 1418
SAKAI RK: 157
SAKAKURA T: 2044
SAKAMOTO M: 2631, 2748
SAKAMOTO S: 95
SAKHARCHUK: 1264
SAKHAROVA AV: 563
SAKHAUTIDINOV VG: 1258
SAKKALIS C: 643
SAKODA M: 3356
SAKOLOFF C: 540
SAKOWSKI R: 1751
SAKSENA SK: 3357
SAKURAI M: 3381
SALAH M: 3373
SALAH S: 2060
SALAMA AI: 1351
SALAMONSEN LA: 300, 1859, 3358
SALAVERRY G: 3359
SALDANA-GARCIA P: 3220
SALEL AF: 1992
SALEM GM: 3360
SALK L: 842
SALL S: 3361
SALLMANDER U: 3362
SALLMANN HP: 3449
SALMON C: 1165
SALMON SE: 3363
SALNU-LAVAL MD: 4062
SALOMON CD: 3364
SALOMON M: 2807
SALOMON Y: 3256
SALTI IS: 1196, 3360
SALTO L: 4087-4088
SALUJA PG: 3365
SALVADOR RA: 3366
SALVI VS: 681
SALVIATI G: 2484
SALYER D: 3367

AUTHOR INDEX

SALYER JM: 3674
SALZ JL: 3368
SALZER GM: 2526
SALZMAN EW: 4343
SALZMANN FH: 420
SALZMANN G: 3369
SAMAAN NA: 1651, 3370-3371
SAMACHSON J: 3695
SAMAMA M: 1283
SAMBUCY F: 2202
SAMEC L: 794
SAMLI MH: 3946
SAMMELWITZ PH: 3372
SAMMOUR MB: 3373
SAMOCHOWIEC E: 1315
SAMOJLIK E: 371
SAMPAT MB: 3374
SAMPEREZ S: 1672
SAMPSON D: 3375
SAMS WM JR: 4259
SAMSON ID: 3376
SAMSONOV VA: 3377
SAMUEL AM: 2731
SAMUEL KC: 3091
SANBORN BM: 3376
SANCHEZ FRANCO F: 1060
SANCHEZ MARTIN JA: 3379
SANDA M: 3000
SANDALLI P: 3380
SANDBERG AA: 3381
SANDBERG JS: 3362
SANDERS-BUSH E: 4307
SANDHAM HJ: 4368
SANDHU RS: 2621
SANDIFER JB: 3383
SANDLER M: 3384
SANDRI R: 3385
SANDRITTER W: 1642
SANDROCK AR: 3677
SANDS F: 1614
SANDS H: 3386
SANDS VE: 1270
SANDSON J: 1953
SANFELIPPO PM: 3387
SANGER R: 1207
SANNER T: 2066
SANO K: 1235
SANO S: 2647
SANTA T: 3560
SANTESTEBAN A: 3386-3389
SANTI DV: 1077
SANTI R: 755
SANTOIANNI P: 621
SANTOME JA: 740
SANTOS-PINTO R DOS: 1380
SAPELKINA LV: 2510
SAPIRA JD: 593
SAR M: 3761, 3768
SARKISIAN RG: 3390
SARTO GE: 3391
SARUTA T: 1049
SAS EM: 1652
SAS M: 1062-1063, 3485
SASAKI C: 1528
SASAKI T: 2159
SASMAL N: 647
SASSARD J: 4090
SASSOLAS G: 1471
SATERNUS KS: 3436
SATHYANESAN AG: 1512
SATO A: 3392
SATO K: 1229, 1712, 3393
SATO M: 4127
SATO S: 3392, 3394
SATO T: 3395-3397
SATTAR H: 1426
SATTERTHWAITE S: 1406
SAUBERT CW 4TH: 3675
SAUER LA: 3398
SAUER RT: 2871
SAUM WR: 3399
SAURAT JH: 697
SAUVIGNY E: 3400
SAVARD K: 2611
SAVEL'EV AI: 3401
SAVOLAINEN H: 2914
SAWADA E: 2862
SAWAKI Y: 3402
SAWIN CT: 3403
SAWYER CH: 372-374
SAWYER WH: 2805
SAXENA BB: 3271
SAXENA H: 3091
SAXENA VS: 3404
SAZONOVA NS: 3405
SCANDELLARI C: 1054
SCARAMUZZI RJ: 373-374
SCARPA A: 1144
SCARPA JB: 3406
SCAZZIGA B: 3417
SCEBAT L: 287
SCHABASI H: 3054
SCHADEBERG A: 2040
SCHADLOW AR: 3601
SCHAEFER K: 2096
SCHAEFFER A: 2995
SCHAEPPI U: 3407
SCHAFER JH: 3408
SCHAFER LA: 75-76
SCHAFFNER F: 3409
SCHAISON G: 442
SCHALCH DS: 1245
SCHALLY AV: 96, 679-880, 3176-3177, 4305
SCHANTZ A: 3410
SCHARDEIN JL: 3411
SCHARF A: 2809
SCHARF Y: 3412
SCHARNBECK HH: 3409
SCHATZ NJ: 1736
SCHAUER A: 2151
SCHAUER R: 3413
SCHAUMBERG HH: 2325
SCHECHTER RD: 3414
SCHEER KI: 3415
SCHEFFLER G: 1967
SCHEFFNER D: 3416
SCHEIN PS: 913
SCHELLEKENS PT: 2247
SCHELLING JL: 3417
SCHEMMEL K: 345
SCHEMMEL R: 3416
SCHENDEL HE: 2421
SCHENKMAN JB: 2877
SCHENTKE KU: 2728
SCHER I: 3419
SCHERFT JP: 3420
SCHERL BA: 3421
SCHERL ND: 3421
SCHERMANN J: 602
SCHERRER M: 3422
SCHIEKEN R: 3423
SCHIFFTER R: 3424, 4268
SCHILD HO: 662
SCHILL WB: 3425
SCHILLER M: 1439
SCHILLING A: 760
SCHILLING E: 3426, 4260
SCHILLINGER E: 3427
SCHILTZ RA: 1505
SCHIMKE RT: 2913
SCHIMPFF RM: 1390
SCHIRREN C: 3428
SCHITKOVA TA: 39
SCHLEGEL J: 3460
SCHLEIN E: 568
SCHLENSKER KH: 420
SCHLESINGER RM: 143
SCHLETTER I: 1960
SCHLEYER H: 3429
SCHLIACK H: 4268
SCHMID FA: 3791
SCHMID MM: 3791
SCHMID R: 1290-1291
SCHMID-TANNWALD I: 3430
SCHMIDT E: 3431
SCHMIDT H: 4257
SCHMIDT MJ: 2909
SCHMIDT P: 3432-3434
SCHMIDT UY: 3435
SCHMIDT W: 297
SCHMIDT-GAYK H: 3523
SCHMIDTKE JR: 3572
SCHMIEDEK P: 3436-3437
SCHMITT GW: 3403
SCHMITT HP: 3438
SCHMITZ TH: 313
SCHMITZ-MOORMANN P: 1584
SCHNABEL R: 3439
SCHNECK L: 3194
SCHNECKE D: 3440
SCHNEIDER AS: 1525
SCHNEIDER B: 3441
SCHNEIDER C: 3733
SCHNEIDER D: 1043, 3442
SCHNEIDER E: 3443
SCHNEIDER EG: 3444
SCHNEIDER F: 3445
SCHNEIDER G: 4370
SCHNEIDER H: 641, 3446
SCHNEIDER HH: 380
SCHNEIDER HR: 550
SCHNEIDER I: 3447
SCHNEIDER RA: 2454
SCHNEIDER S: 2396
SCHNEIDER W: 3448
SCHNEIDERMAN MH: 2237
SCHNOES HK: 1689
SCHOCH EP: 2394
SCHOENDORF T: 260
SCHOFFLING K: 694, 2268, 2796
SCHOLE J: 3449
SCHOLZEL E: 3797
SCHON R: 1369
SCHONER W: 1213
SCHONHOFER PS: 3450
SCHOOLAR JC: 3868
SCHOOLEY RT: 1965
SCHOOLWERTH AC: 2009
SCHOONEES R: 3451-3452
SCHOOT P VAN DER: 3453
SCHORN H: 3454
SCHORR WF: 3455
SCHOTLAND DL: 3305, 3843
SCHOTTIN NH: 1751
SCHRAMM M: 223
SCHRECK CB: 3372
SCHREIBER AD: 122
SCHREIBER EC: 973
SCHREIBER V: 3456
SCHREIBMAN MP: 2920
SCHROCK TR: 3457
SCHRODER J: 635, 686, 3458
SCHROEDER TM: 3459
SCHUBERT K: 1369, 3439, 3460
SCHUETZ AW: 3659
SCHUH M: 3461
SCHUHMACHER CA: 3462
SCHULER D: 3463
SCHULSTER D: 3213
SCHULTZ PN: 3371
SCHULTZE WD: 2897
SCHULZE C: 3464
SCHUMACHER KA: 706
SCHUMANN K: 3465-3467
SCHUPPE NG: 2916
SCHUSTER MM: 2822, 4043
SCHUT T: 2164, 3116
SCHUTT-AINE JC: 3468
SCHWABE U: 2567
SCHWANDER J: 543
SCHWARTZ A: 2749, 3469-3470
SCHWARTZ AD: 2404
SCHWARTZ HJ: 3471
SCHWARTZ JP: 3472
SCHWARTZ M: 1022
SCHWARTZ NB: 233, 3257
SCHWARTZ R: 3473
SCHWARTZ TB: 239, 665
SCHWARTZ WL: 3474
SCHWARZ R: 3475
SCHWARZEL WC: 3476
SCHWARZMANN E: 1599
SCHWEDES U: 2268, 2796
SCHWENKBIER H: 3071
SCHWENKE H: 3442
SCHWENKE P: 3442
SCHWESINGER G: 3477
SCHWICK HG: 3476
SCOGGINS BA: 4290
SCOTT A: 3479
SCOTT DB: 1375
SCOTT EG: 3480
SCOTT JM: 3481
SCOTT ME: 3482
SCOVILL WA: 3483
SCRIBA PC: 3484
SCULLY RE: 609, 628
SCULTETY S: 3485
SCURRY MT: 3462
SEABRIGHT M: 3486

SEAL US: 3805
SEAMAN R: 873
SEARCY MT: 1728
SEARS ML: 2782, 3487
SEBASTIAN JA: 3488
SEBBAN C: 3489
SEBESTENY M: 322
SECORD DC: 3880
SEDERBERG-OLSEN P: 3490
SEDGWICK CE: 3491
SEDLAKOVA A: 28-29
SEED M: 17
SEELER BJ: 3829
SEELIGER K: 3492
SEEWALD HJ: 2104
SEFTEL HC: 1844
SEGAL DS: 3493
SEGAL J: 1488
SEGALOFF A: 3494
SEGERSTROM A: 105, 2800, 3495-3498
SEGMULLER G: 817
SEGRE E: 1829
SEGUIN BE: 2383
SEIBEL MJ: 4234
SEIDEL A: 3497-3498
SEIDEL H: 3092
SEIDEN LS: 409
SEIFERT W: 3499
SEIFTER J: 1535
SEIGEL DG: 3500
SEILER N: 894
SEILICOVICH A: 3501
SEIP M: 3502
SEITZ W: 1912
SEKERIS CE: 8, 1914
SELA M: 4185
SELANDER RK: 835
SELAWRY H: 1487, 3503
SELBY FW: 3808
SELBY PB: 3504-3505
SELEZNEV EK: 3508
SELF M: 2945
SELIGSOHN U: 3507-3508
SELIKOWITZ SM: 2854
SELINGER Z: 223-224
SELISHCHEVA RF: 1894, 3019
SELKIRK RJ: 2410
SELLERS A: 3509
SELLYEI M: 2087, 4341
SELMAIR H: 3510
SELVAGGI FP: 3511
SELYE H: 2082, 3512
SEMAVIN IE: 3938
SEMBIRING L: 3941
SEMION AA: 2733
SEMMLER EJ: 1689
SEMONSKY M: 289
SENECAL J: 2252
SENFT AW: 1858
SEN'KO OK: 2168
SEOANE JR: 3513
SEPPALA M: 3514
SERAFIM N: 3103
SERINGE P: 3515
SERJEANT GR: 742
SERMENT H: 3518
SERON-PRIZANT M: 30
SERR DM: 1781
SERY Z: 4108
SETH HN: 3802
SETH SD: 3517
SETHY VH: 2140
SETOGUCHI M: 2752
SETOGUTI T: 3518-3519
SEVA G: 3520
SEVEL D: 3521
SEVER LE: 3522
SEVERSON AR: 3635
SEYBERTH HW: 3523
SEYBOLD K: 1421
SHAABAN MM: 3524
SHABEL'NIK NM: 3133
EL-SHABOURY AH: 3525
SHABROV AV: 3526
SHACKLEFORD JM: 3527
SHADE RE: 3528
SHAFFER D: 3529
SHAFIE MM: 1897
SHAH KD: 3530
SHAH N: 3531
SHAH PN: 148
SHAH RM: 3532
SHAH VC: 327
SHAKH TSI: 555
SHAKHOVA AD: 2475
SHANI J: 1009
SHANKS RG: 2398
SHANNON MP: 3533
SHANZER H: 551
SHAO MC: 3534
SHAPIRO A: 3220
SHAPIRO AG: 2251
SHAPIRO AP: 232
SHAPIRO B: 1373
SHAPIRO DL: 3535
SHAPIRO R: 2385
SHARAWY M: 3536
SHARMA GL: 2187
SHARMA GP: 2755
SHARMA NJ: 3537
SHARMA NN: 3602
SHARMA OP: 2755
SHARMA RC: 110
SHARMA RK: 734, 3538, 3911
SHARMA SC: 3539
SHARMA SN: 3540
SHARMA T: 3541
SHARP DS: 3542
SHARP F: 3543
SHARP GW: 2243
SHASHOUA VE: 3544
SHAW DA: 348
SHAW DG: 660
SHAW JE: 2494
SHAW JM: 973
SHAW MT: 3545
SHAW NE: 3546
SHAW RF: 2428
SHAW WV: 884
SHCHERBENIUK ED: 646
SHCHUKIN PI: 3547
SHEARMAN RP: 2065, 3640-3641
SHEIL AG: 3548
SHEIN HM: 1022, 4027
SHEKHTER AB: 2101
SHELTON JN: 803
SHEMESH M: 3549-3550
SHEN DT: 3551
SHEPHERD A: 2590
SHEPHERD GR: 3552
SHEPHERD JJ: 752, 3553
SHEPPARD JR: 541
SHEPRO D: 3241
SHEPS SG: 922
SHERIDAN JD: 3288
SHERIDAN MN: 3554, 3587
SHERIDAN PJ: 3555
SHERINS RJ: 3556
SHERMAN JK: 2387
SHERMAN L: 2121
SHERMAN NA: 3650
SHERMAN NJ: 3557
SHERMAN RT: 4239
SHERWOOD LM: 4198
SHETLAR MR: 3558
SHETTY PA: 3559
SHIBASAKI H: 3560
SHIBATA J: 1771
SHIBATA O: 3809
SHIBATA S: 1233
SHIBOTA T: 3581
SHIBUYA M: 2393
SHIDA K: 3562
SHIEBER W: 448
SHIELDS PJ: 3563
SHIH M: 1174
SHIINO M: 98, 880
SHIMAMOTO T: 1399
SHIMAOKA K: 1534
SHIMAZAKI J: 3562
SHIMIZU H: 3564
SHIMIZU T: 4300
SHIMKIN PM: 2511
SHINE KI: 3565
SHINER LS: 981
SHIO H: 3568
SHIOMI K: 4313
SHIRAISHI H: 2043
SHIRE JG: 208, 940, 3567-3568
SHIRES D: 568
SHIRLEY JE: 3569
SHIVAS AA: 2609
SHIVERS CA: 3343-3345
SHKLIAROV SKH: 689
SHLIAKHTOVA NF: 2089
SHOCHET SB: 4058
SHOENBERG CF: 3570
SHOGAM II: 3571
SHOLITON LJ: 3704
SHOLTZ C: 1659
SHONS AR: 3572
SHOOP JD: 2423
SHORT MP: 3573
SHORT RV: 331-332, 3881
SHRIVASTAVA RK: 3574
SHUB NI: 1264
SHUKOVSKY LJ: 3575
SHULKES AA: 3576
SHULMAN NR: 1665
SHUMILINA AI: 86
SHUMWAY NE: 344, 615-618
SHUTT DA: 3577
SHUTTLEWORTH GR: 1962
SHVETS LV: 3578
SHWE T: 23
SIBLEYRAS P: 3579
SICINSKI A: 3580
SIDDIQUI JY: 3594
SIDDIQUI SA: 4163
SIDEL'NIKOV VM: 3581
SIDHU KS: 3582
SIEDEK M: 2743
SIEDLECKI J: 1885
SIEGEL BA: 3779
SIEGEL PB: 4006
SIEGELMAN SS: 4071
SIEGENTHALER W: 240, 4081
SIERS DG: 3982
SIGG EB: 1952
SIHVONEN DA: 4353
SIIRALA U: 1401
SIKEJEW WW: 675
SILBERSTEIN SD: 793
SIL'CHENKO VI: 407
SILINK K: 4041
SILVER J: 1419
SILVER MJ: 3583, 3642
SILVER R: 3584
SILVER RT: 2169
SILVERBERG PW: 3585
SILVERBERG SG: 3588
SILVEREANO-DE-ROISSAR: 3265
SILVERMAN AJ: 3587
SILVERS WK: 4126
SIMAKOVA MG: 3588
SIMKIN A: 3589
SIMMONS DJ: 1038
SIMMONS RL: 3323
SIMON D: 1320
SIMON F: 313
SIMON M: 2730
SIMON N: 3447
SIMON NM: 746, 3590
SIMONS FK: 2670
SIMONSEN H: 2791
SIMONSSON BG: 3591
SIMPSON ER: 452
SIMPSON FO: 1425
SIMPSON JL: 1302
SIMPSON ME: 71
SIMPSON NE: 3592-3593
SIMPSON W: 3594
SIMPSON WF: 3008
SIMRELL C: 3297
SIMS KL: 3595
SINCLAIR RA: 3596
SING HC: 2078
SINGER DB: 833
SINGER FR: 3597
SINGER I: 3598
SINGER PA: 3599
SINGH EJ: 3600
SINGH G: 2167
SINGH GB: 3601
SINGH H: 2500
SINGH I: 3602
SINGH JB: 3603
SINGH M: 109, 3342
SINGH N: 3705
SINGH NB: 3606

AUTHOR INDEX

SINGH S: 3604
SINGHAL RL: 2319, 3912
SINHA AA: 3605
SINHA K: 3606
SINHA Y: 3607
SINHA YN: 3606
SINK JD: 430-431
SIPPEL R: 467
SIREK A: 494-495
SIREK OV: 494-495
SIRSAT MV: 3374, 3673
SISCA TS: 3609
SITTMANN K: 3610
SIVANESARATNAM V: 3611
SJOQUIST J: 1070
SJOQVIST A: 3612
SJOVALL J: 1052
SJOVALL K: 1052
SKACHEK IB: 4072
SKAKKEBAEK NE: 3613-3617
SKARIN AT: 2354
SKARNES RC: 3616
SKEBEL'SKAYA YB: 3619
SKELTON CL: 3620
SKINNER J: 1006
SKINNER KR: 1732-1733
SKLAN D: 3621
SKOOGH BE: 3591
SKRABALO Z: 3314
SKRIABIN GK: 3741
SKRIPNICHENKO DF: 3622
SKROBONSKAIA NA: 1015
SKRZYPINSKA K: 677
SKUBISZEWSKI B: 944-945
SLATER JD: 3944
SLAVNOV BN: 3623
SLEDGE CB: 3624
SLEDGE CR: 3625
SLEZAK P: 3626
SLIM MS: 490
SLOB A: 3627
SLOBODIANIUK TM: 486
SLOTKIN TA: 3628
SLOWINSKI EJ: 3585
SLYWKA J: 1766
SMAHEL J: 3629
SMALSTIG EB: 3630
SMELIK PG: 1906
SMETS P: 3963
SMICIKLAS-WRIGHT H: 3055
SMIEJAN JM: 3631
SMILLIE AC: 2974
SMIRNE S: 3632
SMIRNOVA LI: 3633
SMITH AH: 2729
SMITH AJ: 3971
SMITH AT: 1659
SMITH BM: 1719
SMITH CB: 2870
SMITH CJ: 3634
SMITH DA: 34, 2431
SMITH DM: 3635
SMITH DS: 2543
SMITH EE: 3636-3637
SMITH EJ: 2603
SMITH EL: 1706
SMITH FE: 2482
SMITH GH: 3636
SMITH GP: 3639
SMITH GW: 3170
SMITH H: 2670
SMITH IC: 367, 2204
SMITH ID: 2065, 3640-3641
SMITH J: 3682
SMITH JA: 1567
SMITH JB: 3563, 3642
SMITH JP: 3643
SMITH KP: 4054
SMITH LD: 3205
SMITH LG: 3644
SMITH LL: 2302, 3645
SMITH ML: 2176
SMITH MW: 2831
SMITH NE: 165
SMITH OW: 3646
SMITH PA: 1068
SMITH R: 1168, 3330, 3647
SMITH RE: 3648
SMITH RN: 196
SMITH RP: 3649
SMITH RS: 3650
SMITH RT: 2057
SMITH SW: 4244
SMITH WB: 3651
SMOLENSKII VS: 3652
SMYSER CF: 3653
SMYTH CJ: 3654
SNAITH ML: 3655
SNAPIR N: 3656
SNELLING RN: 1066
SNIDER SR: 3657
SNODGRASS GJ: 3747
SNOEYENBOS GH: 3653
SNOWDON JA: 3656
SNYDER BW: 3659
SNYDER LM: 2346
SOBEL BE: 390, 3660
SOBELS FH: 3681
SOBIC V: 2574
SOBRINHO LG: 3662
SOCIC H: 258
SODE J: 769
SODERLING TR: 770, 3663
SODERLUND S: 91
SODERSTROM N: 3664
SODTKE U: 1632
SOELDNER JS: 1645
SOFAT BK: 3676
SOFERMAN N: 653
SOHN J: 3450
SOHN RS: 3665
SOJO-ARANDA I: 777
SOKOLOFF L: 1406
SOKOLOV VI: 3666
SOKOLOVA LS: 1694
SOKOLOVSKA-PITUKHOVA IA: 1424
SOKOLOVSKII VV: 3667
SOLEM JH: 3668
SOLHEIM F: 361
SOLODKOVA MI: 3938
SOLOMON D: 3669
SOLOMON M: 2286
SOLOMONS WE: 953
SOLOV'EV MM: 3670
SOLOV'EV NA: 3506
SOLOWAY MS: 3671
SOLYOM J: 3672
SOMAN CS: 3673
SOMERNDIKE JM: 3674
SOMERS K: 730, 3251
SOMLYO AP: 912
SOMLYO AV: 912
SOMLYOI I: 2741
SOMMER KR: 1706
SOMOVA L: 1794
SONDERGAARD E: 3068
SONG CS: 3223
SONG MK: 3675
SONKA J: 3676
SONNENBLICK EH: 2891
SOOBY DL: 3677
SOOD GC: 3678
SOORIYAMOORTHY T: 3679
SORGEN CD: 3680
SORIA C: 1537
SORIA J: 584, 4335
SORIMACHI M: 3681
SORKIN E: 3037
SOROKIN AI: 3667
SOROKINA VG: 116
SOSKIN LS: 4067
SOSMAN AJ: 1135
SOTOMATSU S: 4026
SOTSKOVA IV: 36
SOUHAMI RL: 3682
SOUMAR J: 4041
SOURKES TL: 2166
SOUSA M DE F DE: 3662
SOUSTELLE J: 1471
SOUTH MA: 2455
SOUTHALL DB: 3683
SOUTHARD JH: 3684
SOUTHERN EM: 1167
SOUTHION CL: 3685
SOUTHREN AL: 3686
SOUTHWICK WO: 2921
SOWINSKI J: 3337
SPAIZMAN RC: 1119
SPANGLER DB: 2623
SPANN W: 2301
SPARGO B: 2306
SPARKES RS: 794
SPATE HF: 3687
SPATH M: 706
SPEAR G: 3686
SPECTOR D: 4370
SPECTOR R: 3689
SPEILLER PB: 3690-3691
SPEIRS CF: 34
SPELLACY WN: 3692-3693
SPELSBERG TC: 1330
SPENCE IM: 3694
SPENCER H: 3695
SPENCER J: 624
SPERANSKII SK: 2064
SPERLING MA: 3696
SPEROFF L: 72-73, 571-572, 2840, 4370
SPESIVTSEVA VG: 3697
SPEVACK AA: 3696
SPICER CC: 47-48
SPIEGELBERG HL: 1627
SPIELMAN WS: 3528
SPIESSENS H: 3699
SPILKER BA: 919, 3700
SPILMAN CH: 2208
SPIVAK JL: 2623
SPONA J: 1625, 3448
SPOONER G: 568
SPRAGUE AD: 3701
SPRAGUE CA: 1127
SPRECHER GOLDBERGER S: 3702
SRAMKA M: 2732
SREBRO B: 2561
SRERE PA: 1435
SRIRANGAREDDY G: 3703
SRIVASTAVA LS: 3704
SRIVASTAVA RK: 3705
SRIVASTAVA VK: 3706
STABELL I: 2791
STABENFELDT GH: 3414
STACEY P: 1313
STADAAS JO: 3707
STAFFORD JE: 4163
STAHL F: 3708
STAHL NL: 3709
STAHL WL: 3710
STAIB I: 1517
STALDER GR: 530-531
STAM AC: 2891
STAMATIADOU MN: 3711
STAMM D: 4265
STAMM O: 1316
STAMP TC: 3712
STAMPFER M: 3713
STANBURY JB: 1356, 1501
STANBURY SW: 1653, 2541
STANCHEVA M: 3714
STANCIU E: 3715
STANCU H: 164, 3716
STANEK J: 2016, 4137
STANKUSHEVA T: 3717
STANLEY HR: 3716
STANOSEK J: 3719
STANOWSKI E: 2130
STANTON BR: 1680
STARK E: 14, 3157
STARK J: 3720
STARK O: 3073
STARKA L: 1797, 2688, 3721
STARLING JR: 3722
STARLING KA: 1084, 3723
STAROBIN OE: 3603
STARR N: 1210
STARZL TE: 1445-1446, 1519, 3724
STAS J: 1394
STAUDACHER V: 3725
STAUFFER M: 4208
STAUROVSKY L: 476
STAUROVSKY LG: 475, 1143
STAVY L: 3726
STEBBINGS H: 3727
STEELE R: 3357
STEELE RE: 3728
STEELMAN SL: 493
STEFANOVICH V: 3729
STEFFEN C: 1344
STEGER H: 3730-3731
STEHLIKOVA J: 3732
STEIN JA: 385
STEIN L: 294

STEIN M: 1882
STEIN R: 1413
STEINBACH PD: 3733
STEINBACK G: 1588
STEINBERG AD: 1289, 3419
STEINBERG D: 3734
STEINBERG HR: 2256
STEINBERG ME: 3735
STEINBRECHER W: 2883
STEINER DF: 3838
STEINER G: 2189
STEINER RM: 3738
STEINETZ B: 3737
STEINMULLER D: 4154
STEKELENBURG P: 436
STELLA SR: 38
STELLETSKAYA NV: 2918
STELZER M: 2579
STENBORG R: 3738
STENDEL A: 2873
STENEVI U: 380
STENSTROM G: 1804
STEPANKIVSKAIA HK: 156
STEPHAN F: 481
STEPHAN JK: 3739
STEPHAN T: 847
STEPHAN V: 3740
STEPHENS PM: 1826
STEPHENSON AC: 3655
STEPITA-KLAUCO M: 942
STERKIN VE: 3741
STERKY G: 2485
STERLING K: 489
STERN E: 3742
STERN RB: 2723
STERN WE: 3743
STERNER R: 1809
STERNOVA H: 1987
STERNSCHEIN MJ: 2349
STEUBER CP: 1084
STEVENS ED: 3744
STEVENS LC: 3745
STEWARD DJ: 881
STEWARD JA: 1889
STEWART J: 3568
STEWART JH: 3548
STICKLER GB: 103
STILES QR: 1134
STILLER KJ: 3247-3249
STILLMAN MA: 3748
STIMMLER L: 3747
STINSON DA: 8
STJARNE L: 3748-3751
STOA KF: 300
STOBER B: 3708, 3752
STOCK AD: 3753
STOCK JM: 3801
STOCKERT E: 2057
STOCKL W: 3481
STODDART RW: 3754
STODOLNIK-BARANSKA W: 183
STOECKART R: 3755
STOGMANN W: 3758
STOHS SJ: 3855
STOJAN B: 3757
STOJANOVIC V: 4358
STOKES PE: 3839
STOKINGER HE: 705
STOLK JM: 3758
STOLL P: 3759
STONE IC JR: 4180
STONE ML: 3381
STONE RA: 2430
STONE TW: 3780
STONER HB: 3781
STOOL SE: 3782
STORB R: 3783
STOREY BG: 3548
STORP D: 2834-2835
STORRS EE: 1998
STOSKOVA TV: 2885
STOWE SM: 3764
STRACHAN CJ: 3785
STRADE HA: 3786
STRAHLBERG M: 3787
STRAIN WH: 1180
STRAND A: 3768
STRASEK J: 1115
STRAUCH G: 1740
STRAUER BE: 3769
STRAUSS JS: 1918
STRAY-PEDERSEN B: 3770
STRAZHEVSKAIA NB: 3771
STREDOVA M: 1987
STREFFER C: 3772
STREIFF EB: 1532
STREMPLE JF: 3773
STRICKLAND RG: 3774
STRIKER GE: 3129
STRINGER P: 3118
STROBER W: 3775
STROHBACH H: 4129
STROHMAYER AJ: 3639
STRONG CG: 3883
STRONG R: 17, 3280
STROOBANDT G: 3776
STROTT CA: 3796
STROUD CE: 2895
STROUFOVA A: 1722
STRUBELT O: 3777
STRUCHKOV VA: 3771
STRUKOVA VI: 934
STRUMIA E: 2645
STRUMMER D: 3689
STRUNGE P: 3778
STRUPPLER A: 1438
STUDER H: 543
STUDER RK: 3779
STUKKEI AA: 3760
STULBERG CS: 3008
STUMPF WE: 3781
STUMPFHAUSER L: 3782
STUNKARD AJ: 2992
STURGEON M: 285
SUAREZ J: 981
SUBBIAH MT: 3783
SUBOTIC R: 1118
SUBURO AM: 2990
SUCHANEK A: 3784
SUCK D: 3350
SUCKLING RD: 1738
SUD SC: 3785-3788
SUGAR A: 3789
SUGIMOTO M: 3790
SUGITA A: 2159
SUGIURA K: 3791
SUGRUE MF: 1371
SUHACIU G: 698
SUKER JR: 1657
SUKO J: 3792
SULAIMAN WR: 3793
SULCOVA J: 3721
SULLIVAN AL: 3794
SULLIVAN JJ: 3795
SULLIVAN JN: 3796
SULMAN FG: 3850-3851, 4356-4357
SULMONI A: 3797
SULSER F: 2910
SUMERLING MD: 1622
SUMMARIA L: 3240
SUNDARESAN PR: 2546
SUNDBERG DK: 3798
SUNDEEN JR: 2369
SUNDER JH: 847
SUNDER-PLASSMANN M: 1834
SUNDLER F: 359, 2560
SUNDQVIST KG: 3799, 3810
SUNDT TM JR: 949
SUNG FC: 3800
SUNG MT: 2362
SUNSHINE H: 448
SURKS MI: 1374, 3801
SURVILLO ON: 3802
SUSAC JO: 3803
SUSICKA L: 3874
SUSLOV EI: 2090
SUSTEN AS: 3804
SUTHERLAND JM: 3987
SUTHERST JR: 4153
SUTKOVOI DA: 3805
SUTNICK AI: 2935
SUTOW WW: 3643
SUTTON A: 3806
SUTTON I: 3807
SUTTON JR: 3808
SUVOROVA KN: 3405
SUZUKI K: 2159
SUZUKI T: 3809
SVEDMYR N: 3591
SVEHAG SE: 3810
SVENSSON G: 585
SVENSSON LA: 356
SVERDLIK RC: 3195
SVIATELIK GV: 1015
SWAIN MC: 536
SWALE J: 1182
SWALLOW DM: 3811
SWANSON EW: 2604
SWANSON MA: 500
SWANSON PD: 3710
SWARD J: 3812
SWARM RL: 3813
SWARTWOUT JR: 3600
SWARTZ M: 2383
SWEAT ML: 3814
SWEZEY RL: 355
SWIDERSKY KP: 1496
SWISLOCKI NI: 3815
SWOLIN K: 3818
SWORN MJ: 3817
SYMCHOWICZ S: 3816
SYME G: 2270
SYMES MO: 3819
SYMONS AM: 3820
SYNER FN: 2638
SYPNIEWSKA M: 2583
SYROTA TV: 2918
SZABO AJ: 3821-3822
SZABO G: 1104
SZABO J: 3823
SZABO S: 2082, 2224, 3512, 3824
SZABOLCSI M: 1104
SZADKOWSKI M: 3825
SZADKOWSKI S: 2486
SZAFRANSKA-KOSMAL A: 3954
SZANYI L: 3830
SZAROWSKI DH: 211
SZASZ I: 1969
SZCZEPANIAK AC: 2882, 3826
SZCZEPANSKA-SADOWSKA E: 3827
SZCZEPANSKA-SADOWSKA E: 3828
SZEGEDI G: 1104
SZEGO CM: 3829
SZEINBERG A: 2951
SZEKELY JA: 610
SZEMESI I: 3830
SZEMKEO E: 1910, 3051
SZENDE L: 3134
SZEPESI G: 1376
SZEPESI K: 3831
SZIJAN I: 3832
SZILAGYI I: 3447
SZMIGIEL C: 2094
SZNAJDERMAN M: 1828
SZONTAGH FE: 2817, 3833
SZONYI DG: 2529
SZPIRGLAS H: 3834
SZPORNY L: 1515
SZTRAKA I: 179
SZURSZEWSKI JH: 3835
SZYSZKA K: 829

T

TABARELLI S: 4010
TABEEVA DM: 3164
TABER P: 3836
TABERNER PV: 711
TACHIKAWA S: 3837
TACKE A: 1769-1770
TAEUSCH HW JR: 598
TAGER HS: 3838
TAGLIAMONTE A: 3839-3840
TAI PW: 3800
TAIG DR: 2418
TAIRA A: 3841
TAIT JF: 3842
TAIT SA: 3842
TAJIC M: 974
TAKAGI A: 3843
TAKAGI S: 3844
TAKAGISHI H: 1791
TAKAHASHI H: 3562
TAKAHASHI T: 3845
TAKAISHI Y: 4026
TAKASAKI M: 3845
TAKAYAMA M: 3846-3847
TAKEDA M: 1148
TAKEDA R: 3848
TAKENAKA S: 1229

AUTHOR INDEX

TAKENAKA T: 3837
TAKEVA Z: 3849
TAKIKAWA K: 89
TAKKI S: 3858
TAKO J: 179
TAKO J: 1182
TAKO J: 3134
TAL E: 3850-3851
TALAMANTES F: 3852
TALANTI S: 125
TALAS M: 3732, 3853
TALAS M: 3854
TALBOT JA: 3191-3192
TALCOTT RE: 3855
TALEISNIK S: 578
TALMAGE RV: 3858
TAM WH: 1703
TAMAOKI B: 3857
TAMAOKI BI: 4135
TAMASI P: 2742
EL-TAMER E: 2588
TAMMISTO T: 3858
TAMURA S: 3790
TAN AY: 855
TAN KH: 3859
TAN WC: 3880
TANAKA S: 1792
TANAKA Y: 2044, 3881
TANEJA V: 110
TANGUAY R: 1251
TANIMOTO-WEKI M: 1370
TANIZAWA O: 4009
TANNENBAUM M: 4352
TANTAKESEM P: 981
TANZER FS: 3882
TAO FT: 2494
TAPIA HR: 3883
TAPPEL AL: 680, 1154
TARABEIH A: 1882
TARAZI RC: 9, 995, 3884
TARGONSKI R: 2133
TARHAN S: 2835
TARIQ M: 3517
TARIVERDIAN M: 3757
TARM F: 3885
TARVER H: 1020
TASCA C: 3888
TASHIMA CK: 3887
TASHJIAN AH JR: 1735
TASKA RJ: 3868
TASSELL R: 3889
TATEISHI J: 2838
TATRA G: 3870-3871
TAUB R: 551
TAUCHI H: 3398
TAUGNER G: 3872
TAULEMESSE H: 3873
TAUS L: 3874
TAUSSIG LM: 3875-3878
TAVARES AS: 3877
TAVILL AS: 3878
TAWAB SA: 1921
TAYA Y: 3879
TAYLOR AN: 4180
TAYLOR AW: 3880
TAYLOR CM: 2541
TAYLOR D: 1872-1873
TAYLOR DJ: 4112-4113
TAYLOR DS: 558
TAYLOR G: 4240
TAYLOR HB: 2468
TAYLOR KB: 3774
TAYLOR MJ: 3881
TAYLOR RM: 3882
TAYLOR S: 21
TAYLOR SI: 3883
TAYLOR T: 3884
TAYMOR ML: 1911
TCHERDAKOFF P: 3885
TCHERNITCHIN A: 3888
TEAGUE HS: 3408
TEE QS: 1944
TEESLINK CR: 3709
TEITELBAUM S: 1309
TELFER M: 3687
TELL G: 3322
TELL GP: 3888
TELLER WM: 3889
TEMPLE R: 3890
TENDLER DS: 1805
TENER G: 3141
TENHAEFF D: 1111, 3891
TENNES K: 3892
TEODOSIU T: 2968
TEOTIA M: 3893
TEOTIA SP: 3893
TEPLICK JG: 3894
TERAO K: 3895
TEREKHINA AI: 38
TERLOU M: 3898
TERMINE JD: 3897
TERNER C: 3898
TERRADAS SE: 2997
TERRITO M: 3899
TERRY R: 779
TERWINDT VA: 3900
TETER J: 2131
THAKUR DP: 3574
THALASSO M: 241
THAPLIYAL JP: 3901
THARP BR: 1488
THATCHER WW: 3902
THAYSEN JH: 4171
THELEMANN W: 3903
THEML H: 4281
THEODOR R: 3293
THERMAN E: 3391
THERON HP: 1339
THEUNYNCK P: 2218
THIERY M: 3904
THIESSEN DD: 3905
THIEULANT ML: 1872
THIRY L: 3702
THISSEN D: 403
THLIVERIS JA: 3908
THOA NB: 1023, 2434
THOMAS BM: 880
THOMAS C: 688
THOMAS CG JR: 3907
THOMAS CN: 3917
THOMAS DB: 3908
THOMAS DR: 3909
THOMAS ED: 3763
THOMAS GH: 802, 2424, 3331
THOMAS HM JR: 3910
THOMAS J: 734, 3911
THOMAS JA: 2319, 3912
THOMAS JP: 3913
THOMAS JW: 757
THOMAS K: 3914-3915
THOMAS MB: 3918
THOMAS NS: 1847
THOMAS R: 50
THOMAS TR: 3917
THOMERET G: 44
THOMOPOULOU H: 3918
THOMPSON AE: 4199
THOMPSON BH: 4208
THOMPSON EB: 2328-2329
THOMPSON ED: 3919
THOMPSON GW: 3920
THOMPSON IM: 528
THOMPSON KW: 89
THOMPSON NW: 991, 3921, 3994
THOMPSON RC JR: 3922
THOMPSON WJ: 3923-3924
THORELL JI: 1502
THOREN C: 91
THOREN L: 1433, 1848
THORN GW: 282
THORNEYCROFT 1H: 1345
THORNTON VF: 3925
THORPE LW: 2439
THORSEN T: 300
THORSON SC: 3928
THORVALDSSON SE: 3387
THOUIN A: 1184
THRASH CR: 3927
THRASHER K: 3704
TICHO U: 3928
TIERNEY J: 3815
TIEWS J: 512
TIGERSTEDT I: 3858
TIJSKENS J: 2080
TIJTGAT G: 2828
TIKHONOVA EP: 3929
TIKHONOVA NT: 2137
TIKKANEN MJ: 3930-3933
TILGNER S: 925
TILLINGER KG: 3828
TILLSON SA: 572
TIMCHUK MD: 848
TIMOSHENKO LV: 3934
TINDALL DJ: 3234
TINDALL GT: 2932
TINDALL VR: 1178
TINLAND B: 3935
TIPTON CM: 2911
TISHCHENKO VK: 3938, 4319
TISSOT R: 1252
TITIEVSKAIA VV: 3937
TITTEL R: 2985
TIUL'PIN IN: 3938
TIUNINA EA: 3939
TIZARD JP: 1288, 3940
TJAIJ JK: 3941
TKACHEVA GA: 3942
TKACZEW AW: 3943
TOAFF R: 3470
TOBERT JA: 3944
TOBIN RB: 1482
TOCHILIN VI: 3945
TODD JM: 3948
TODHUNTER EN: 3947
TODOROVIC M: 3948
TOGHILL PJ: 507
TOIVAKKA E: 787
TOJYO S: 3949
TOKUYASU KT: 3950
TOLIS G: 3951
TOLKSDORF M: 2160
TOLLON Y: 814
TOLWINSKI T: 3952
TOMAS T: 3953
TOMBES AS: 3383
TOMBOL T: 3954
TOMITA T: 3955
TOMIYASU U: 3958
TOMLINSON S: 3094
TOMOKA MT: 3957
TOMOVA IV: 882
TOMPKINS RK: 3958
TOMSOVA Z: 3878
TONG D: 538
TONG E: 859
TONGE S: 3959
TONGE SR: 1415-1418, 3960
TONI MG: 334
TOOLE BP: 1548, 3961
TOPEL DG: 3982
TOPPET M: 3983
TOPPOZADA M: 248, 4283
TORDA C: 3964
TORGERSEN O: 1539
TORII T: 3985
TORISU T: 3988
TOROK L: 3987-3968
TORP A: 3975
TORRADO M: 2837
TORRE B DE LA: 1055
TORRES M: 4071
TORRES-ZAMORA M: 3969, 3977
TOTH A: 948
TOTH K: 810
TOTOVIC V: 2299
TOULOUSE R: 2252
TOURNIAIRE J: 1471
TOURON C: 4084
TOW WS: 3970
TOWNLEY RG: 22
TOWNSEND JL: 2454
TOWNSHEND MM: 3971
TOYAMA K: 2894
TOYOSHIMA S: 3972
TRABUCCHI M: 860
TRACZYK WZ: 3953
TRAEGER J: 3203
TRAMEZZANI JH: 3298
TRAN MA: 1128
TRAN-MINH V: 1470
TRAVAGLINI M: 3119
TRAVERS H: 368
TREADOW BR: 3973
TREAT CL: 1881
TREE M: 503, 3974, 4187
TREGEAR G: 2871
TREGEAR GW: 2866, 3081
TRELL E: 3975
TREMANN JA: 3129
TREMBLAY R: 259

TRENCH L: 4113
TREPECHOV S: 3714
TREPSAT C: 1748
TRESSLER HA: 909
TREVES S: 3976
TREVINO-BECERRA A: 3977
TRIANDAF I: 3978
TRIBE AE: 3979
TRICOMI V: 4150
TRINDER G: 2507
TRINER L: 4303
TROBEC TN: 2554
TROMMER F: 3980
TRON' NA: 274
TROTMAN BW: 808
TROTT JR: 1035
TRUHAUT R: 3981
TRUJILLO JL: 3982-3983
TRUSWELL AS: 3984
TRYGSTAD O: 3985
TSAI A: 3988
TSAI I: 3388
TSAKRAKLIDES V: 1097
TSANG RC: 3987
TSLAF ZZ: 841
TSOMPANIDOU G: 2283
TSOUKALI E: 4099
TSUCHIMOTO T: 531
TSUJI K: 4305
TSUJIMURA M: 2532
TSUNG PK: 3986
TSYVIL'SKAIA LA: 2510
TUBIANA M: 1184
TUCCI JR: 2310
TUCHINDA P: 1383
TUCHMANN-DUPLESSIS H: 3969
TUCKER BL: 1134
TUCKER HA: 757, 2083
TUGAYE A: 3990
TULLNER WW: 288, 1879
TUMA S: 323
TUMILOVICH LG: 3991
TUNBRIDGE D: 55
TUNNICLIFF G: 711
TUOMISTO J: 3992
TURAKULOV IAKH: 3993
TURCOTTE JG: 3994
TURGEON J: 3995
TURINSKY J: 3998
TURKEVICH NM: 3997
TURNER JH: 838
TURNER JM: 1941, 3998
TURNER P: 3999
TURNER R: 708
TURNER RW: 4000
TUROVETS IG: 4001
TURPIE AG: 4002
TURTLE JR: 4003
TWADDLE E: 1509
TWEEDIE AK: 3252
TYLER FH: 4004
TYMINSKA K: 4005
TYMOCZKO JL: 2295
TYNES WV: 282
TYRRELL DA: 883
TYSON IB: 1987
TYSON S: 3348
TZAGOURNIS M: 819
TZIVONI D: 2285

U

UBHI GS: 854
UDALE RW: 4008
UDENFRIEND S: 4007
UECK M: 4008
UEDA G: 1245, 4009
UEHLEKE H: 4010
UEHLING D: 114
UEHLING DT: 544
UEHLINGER E: 4011
UEKI S: 4012, 4181
UENO Y: 4013
UHLARIK A: 3012
ULANOVA LN: 4014
ULLER RP: 4052
ULMEANU F: 4015
UNDERWOOD PA: 4018
UNDERWOOD RH: 3281
UNGAR F: 1901
UNGER WP: 4017
UNGUREANU G: 3978
UNRAU AM: 1223
UPCHURCH HF: 1900
UPTON GV: 2387
URANO E: 3582
URBAN H: 849
URBAN J: 4018
URBANEK J: 3878
URBANO U: 4019
URIST MR: 4020
URSELL W: 4021
USACHEV VP: 3329
USADEL KH: 2268, 2796
USHER DR: 2319
USVIATTSEV IAA: 4022
UTIAN WH: 4023-4025
UTIDA S: 1880
UTLEY WL: 952
UTSUNOMIYA T: 2027
UTTENTHAL LO: 88
UYEDA K: 4028
UZUNOV P: 4027

V

VACCAREZZA JR: 4028
VAGELOS PR: 4115
VAGENAKIS A: 489
VAGUE J: 4029-4030
VAHLENSIECK W: 4031
VAISBERG GE: 1058
VAISRUB S: 4032-4033
VAITKUS JW: 1751
VAITUKAITIS JL: 1353-1354, 1879
VAKIL DV: 4034
VALCANA T: 1287
VALE W: 3235
VALENTA LJ: 4035
VALENTINE G: 837
VALENTINI F: 588
VALENZUELA S: 4038
VALENZUELA SA: 4037
VALERIO EA: 1918
VALLANCE DK: 588
VALLEE G: 4038
VALLETTE C: 3518
VALLOTTON MB: 540, 1101
VALVERDE C: 4039
VALVERDE J: 376
VALYI-NAGY T: 3823
VALZELLI G: 4040
VANA S: 4041-4042, 4329
VANASIN B: 4043
VAN CAMPEN L: 2858
VAN CANTFORT J: 4044
VANDE WIELE RL: 1839
VANDEBERG JL: 1700
VANDENBERG G: 4309
VANDENBORRE M: 4045
VANDENBROUCKE MF: 4046
VANDEPUT Y: 788
VANDER LAAN WP: 4047
VANDERLAAN WP: 3607
VANDERLAAN WP: 3808
VANE JR: 729, 1457
VANGEN O: 4048
VANHA-PERTTULA T: 4049-4051
VANHAELST L: 768, 3253
VAN HERLE AJ: 858, 4052
VAN KETS H: 3904
VAN KREY HP: 4006
VAN LOON GR: 2768
VAN MIDDLESWORTH L: 1030
VANNOTTI A: 1308
VANRHEENEN V: 1960
VAN ROSSUM GD: 4053-4054
VAN VUNAKIS H: 1306
VAN WAES L: 693
VAN WYK JJ: 3888
VAPAATALO H: 4055
VARA P: 3514
VARANDANI PT: 832
VARAVEJ P: 228
VARGA B: 3485
VARGIU L: 3839-3840
VARLAMOVA VV: 4322
VARMA R: 825
VARMA TR: 4058
VARON S: 4057
VARSANO I: 4058
VASANTHA N: 4059
VASHCHENKO MA: 407
VASHCHENKO OA: 4060
VASHI N: 4061
VASIL'EV VB: 4062
VASILEVSKAIA LN: 4063
VASILEVSKAIA NL: 4064
VASILIEVA IO: 4065
VASINGTON PJ: 4148
VASIUKOVA EA: 4066-4067
VASS L: 2087
VASSALLO CL: 946
VASSEUR P: 4158
VASSORT G: 2892
VATNER SF: 1846
VAUGHAN GM: 4069
VAUGHAN GS: 2304
VAUGHAN JT: 4068
VAUGHAN MK: 4069
VAUGHN JE: 4183
VAYSSE J: 3865
VAZQUEZ A: 2761
VAZQUEZ-SAAVEDRA JA: 1370
VEALE AM: 1270
VEALS J: 3818
VECCHIO TJ: 4070
VEENHUYZEN HB: 2865
VEITH FJ: 3690-3691, 4071
VEITSMAN AM: 4072
VELASCO ALONSO R: 3100
VELAZQUEZ A: 3277
VELAZQUEZ FH: 4073
VELDE-STAQUET MF VAN DE: 4074
VELLE W: 4075-4076
VELOSO HT: 1751
VENARD CE: 1072
VENDITTI JM: 3382
VENKATARATNAM G: 3179
VERGNES M: 851
VERHAGEN A: 2670
VERHOFSTAD AA: 4077
VERLANGIERI J: 4078
VERNADAKIS A: 3090
VERNE J: 4079
VERNIER RL: 1734
VERNON CA: 2975
VEROSKY M: 4303
VERTES RP: 2075
VESSEY MP: 146, 4080
VESTER JW: 647
VETTER W: 4081
VETTERS JM: 4082
VIAU AT: 4083
VICKERY AL: 4035
VICTOR A: 1396
VIDAL J: 191, 4084
VIDAL N: 3276
VIDYASAGAR D: 4085
VIELBERG H: 185
VIEVS'KII MA: 468
VIGNAT JP: 2996
VIGOUROUX RP: 2495
VIHKO R: 1749
VILCHEZ MEDINA J: 3261
VILHARDT H: 4088
VILLA JG: 4087-4088
VILLARTAY A DE: 2252
VILLAZON A: 1464
VILLEE CA: 1117
VILLIERS GRAAFF G DE: 4089
VINCENT JD: 983
VINCENT M: 4090
VINE WH: 4091
VINSON GP: 4092-4093, 4220
VIRKKUNEN P: 2382
VISEK V: 1987
VISHNEVSKII AS: 4094
VISHNIAL GN: 4095
VISSCHER M DE: 4096
VISSER HK: 4097
VISWANATHA T: 668
VITOVA Z: 4098
VIVIAN S: 2171
VLACHOS K: 4099
VLACHOS P: 2294
VLADUTIU GD: 4100
VLADUTU AO: 4101
VLADYKOVA J: 4102
VLIEGEN J: 2971

VO-VAN-LAN: 905
VOGEL HG: 4103
VOGEL JM: 1540
VOGEL WC: 225
VOGL HD: 1667
VOGT JH: 4104
VOIGT J: 3730
VOIGT K: 4105
VOITKEVICH AA: 4106
VOITOVITSKII VK: 4107
VOJTEK V: 4108
VOJTISKOVA M: 3059
VOKOV NF: 4109
VOL'F NV: 1321
VOLF V: 4110
VOLIN EM: 204
VOLK H: 1352
VOLKMER H: 2104
VOLKOV MI: 4111
VOLLMER EP: 4112-4113
VOLOZHIN SI: 4114
VOLPE JJ: 4115
VOLPE R: 1094
VOLPIN G: 3364
VON BEHRENS WE: 4116
VON DER MARK K: 4117
VONDRA K: 4118
VON HOLT C: 4089
VON HUNGEN K: 4119
VON KORFF RW: 1814
VOOGT JL: 4120
VORONKOV BV: 4121
VORTEL V: 4108
VOSBERG H: 4209
VOTH D: 4122
VOVK BE: 4001
VOYLES N: 1487
VRANA M: 834
VRIJENS M: 3904
VUKCEVICH WM: 4123
VULLIEMOZ Y: 4303
VUSSE GJ VAN DER: 4124

W

WACHS GN: 4125
WACHTEL SS: 4128
WADA JA: 4127
WADA S: 1863
WADA Y: 1388
WADE MB: 4181
WADIA NH: 4128
WADKINS CL: 2367
WAGENBICHLER P: 1361
WAGNER F: 2790, 4129
WAGNER H: 490, 4130, 4209
WAGNER JA: 155
WAGNER JE: 175
WAGNER JF: 501
WAHBI AM: 1764
WAHI PN: 4131
WAHL AR: 4132
WAHNER HW: 4133
WAIN WH: 4134
WAINER H: 403
WAISMAN HA: 500
WAITE MA: 503
WAJCHENBERG BL: 2296
WAKABAYASHI K: 4135
WAKEFIELD PL: 2773
WAKELING A: 4136
WAKI S: 3809
WALAS E: 4137
WALCZAK M: 2989
WALDENSTROM J: 3975
WALDENSTROM JG: 4138
WALDHART E: 4139
WALDMANN TA: 3775
WALDSCHMIDT M: 4140
WALECKI J: 2094
WALKER CK: 4141
WALKER E: 4142
WALKER EF: 2819
WALKER H: 418
WALKER KE: 1873
WALKER WG: 761, 4143
WALL JR: 4144
WALLACE DC: 4145
WALLACE HD: 2021
WALLACE JH: 1967
WALLACE RE: 4146
WALLACH JD: 4147
WALLACH RC: 383
WALLACH S: 547
WALLDIUS G: 595
WALLIS M: 4148
WALPOLE AL: 3332
WALSH AF: 4149
WALTER C: 3454
WALTMAN R: 4150
WALTMAN SR: 3789
WALVOORD DJ: 3199
WANG CA: 3082
WANG DY: 474, 538
WANG GM: 973
WANG JH: 4151
WANGENSTEEN SL: 3722
WANNIGAMA GP: 4152
WARBASSE JR: 1630
WARD GD: 4153
WARD WH: 4145
WARDEN GD: 4154
WARDLE EN: 4155
WARE H: 573
WAREMBOURG H: 4158-4157
WARNER WL: 313
WARNICK AC: 4149
WARREN JM: 3895
WARREN MP: 1839, 4158
WARSHAW AL: 4159
WARTH MR: 2023
WARTHAN TL: 2394
WASSERMAN GF: 1782
WASSERMAN RH: 4160
WATANABE G: 4298
WATANABE H: 3955, 3988
WATANABE M: 4299
WATANABE S: 2838, 4012, 4181
WATANABE YG: 835
WATSON B: 2898
WATSON D: 2172, 4182-4183
WATSON L: 880, 4164
WATTRE P: 4185
WAXMAN J: 4188
WAY EL: 1674-1675, 4174
WAYMIRE JC: 3090
WAYNER MJ: 4187
WEBB MJ: 4168
WEBB TE: 4045
WEBBE C: 4189
WEBBE G: 4189
WEBER AA: 3417
WEBSTER DM: 888
WECHSLER M: 4170
WEDER HG: 2380
WEEKE E: 4171
WEEKS CM: 4172
WEGLICKI WB: 2891
WEHINGER H: 4173
WEHRBERGER K: 1389
WEI E: 4174-4175
WEI PY: 687
WEICK RF: 924, 1916
WEIDMANN P: 4178
WEIGHTMAN D: 2033
WEIKEL JH JR: 2774
WEIL-MALHERBE H: 4177
WEILL J: 4178
WEIMANN G: 4179
WEINBERG AG: 4180
WEINBERGER MH: 4181
WEINER M: 4182
WEINER MJ: 720
WEINER N: 3090
WEINREICH D: 2388, 4183
WEINS MJ: 1858
WEINSHENKER NM: 4184
WEINSTEIN Y: 4185
WEINTRAUB BD: 406
WEINTRAUB LR: 3794
WEIR BJ: 4186
WEIR DG: 2988
WEIR RJ: 4187
WEIS JS: 4188
WEIS P: 4188
WEISE VK: 2434
WEISS B: 4027, 4189-4190
WEISS G: 924
WEISS GM: 3982
WEISS HJ: 4191
WEISS PA: 4192
WEISSBACH L: 4031
WEISSBARTH S: 2249
WEISSENBORN W: 3740
WEISSLEDER H: 4193
WEISSMANN G: 3988
WEITLAUF HM: 4194-4195
WEITZMAN JJ: 1134
WEKSTEIN DR: 3728
WELCH BL: 4198
WELCH M: 2121
WELDON VV: 1591
WELLESCHIK B: 4197
WELLS SA: 2511, 2981
WELLS SA JR: 4198
WELLWOOD JM: 4199
WELSCH CW: 4200
WELSCHEN R: 4201
WELTI H: 4202
WELTI J: 819
WELVAART K: 4203
WENDLANDT RM: 4204
WENDLANDT S: 1105
WENDT F: 4205
WENNING N: 4209
WENSE T: 2352
WENTWORTH BC: 89, 4223
WENTZ AC: 2938, 4206
WENZEL F: 1685
WEPLER R: 4179
WERFF TEN BOSCH JJ VAN: 4207
WERGEDAL J: 4208
WERK EE JR: 3704
WERLE E: 1980
WERMENSKI K: 4289
WERNER I: 1433, 1846, 4228
WERNER M: 2370
WERRINGLOER J: 2082
WERT RE: 3735
WERTHEMANN U: 1850
WESSELS F: 4209
WESSLER S: 448
WEST DG: 2508
WEST KA: 4210
WEST TE: 4211-4212
WESTERHOLM B: 439, 585
WESTERMANN E: 4055
WESTFALL TC: 4213
WET IS DE: 4214
WETTEMANN RP: 4215
WEVER R: 4285
WEXLER DE: 295
WHALEN RE: 4216
WHARTON B: 4217
WHELDON TE: 4218
WHIMSTER WF: 4219
WHITBECK AA: 715
WHITCUTT JM: 324
WHITE AA 3D: 2921
WHITE BJ: 3875
WHITE FC: 390
WHITE FH: 4149
WHITE MG: 2182
WHITE TA: 1242
WHITE WF: 2780, 3230
WHITEHOUSE BJ: 4092-4093, 4220
WHITEHOUSE FW: 548
WHITEHURST LA: 3856
WHITFIELD AG: 1962
WHITFIELD JF: 2425, 4221-4222
WHITMORE HL: 4223
WHITNEY GD: 4224
WHITTEN WK: 900
WHITTLE BJ: 4225
WIBELL L: 4226
WICHA J: 4227
WIDE L: 599
WIDERA A: 2040, 2810
WIDMAIER G: 4228
WIDRICH WC: 2039
WIDSTROM A: 4229
WIE H: 4230
WIEBE V: 4231
WIECZOREK V: 3071
WIEDERHOLT M: 247
WIEGLEB C: 2810
WIELGUS E: 4232
WIEST WG: 811-814
WIGGINS P: 148
WIJNGAARDEN GK VAN: 4233

W1LAMSKI E: 414
WILBER JF: 4234
WILBRANDT W: 4235
WILCOX CJ: 3902
WILDENTHAL K: 3820
W1LDME1STER W: 1724
WILHELM K: 3317
W1LHELM1 AE: 3164
WILKEN H: 1376
W1LKERSON RD: 2965
W1LK1E J: 1005
W1LKINSON LS: 2925
WILLIAMS CD: 556
W1LL1AMS DH: 2680
W1LL1AMS D1: 364
WILL1AMS DJ: 4236
WILLIAMS DJ 3D: 2785
WILLIAMS GA: 4237
WILLIAMS GH: 1040, 3281
WILLIAMS GM: 4238
W1LL1AMS JR: 1573
WILLIAMS JW: 4239
W1LL1AMS K: 3557
W1LLIAMS R: 2695, 2723
WILLIAMS RB: 2192
WILLIAMS RH: 3923-3924
W1LL1AMS RJ: 4240
WILLIAMS TJ: 3114, 4168, 4241
WILLIAMS WL: 1389
WILLIAMSON DG: 2173
W1LLIAMSON DH: 1585
W1LL1AMSON J: 4000
W1LL1AMSON JR: 1144
WILLIAMSON ME: 4242
WILLIE L: 3416
WILLIS AL: 673
WILLIS LR: 3444
WILLMAN K: 3120
W1LLS MR: 4243
WILLSON JT: 4244
W1LSON A: 4187
WILSON BJ: 2877
W1LSON C: 2799
WILSON CB: 193
WILSON DM: 4245
W1LSON EA: 4246
W1LSON GM: 1777, 4247
W1LSON JF: 4248
WILSON JG: 4249
WILSON KH: 2213-2214
WILSON L JR: 4250-4251
WILSON LD: 4252
WILSON LL: 430-431
WILSON R: 647, 2455
W1LSON SM: 4253
W1LUSZ T: 4254
WIMAN F: 302
W1NAND R: 4255-4256
WINCKLER K: 4257
W1ND1SCH J: 3131
W1NF1ELD AC: 3509
WINKEL P: 3627
W1NKELMAN JW: 4258
WINKELMANN RK: 1360, 4259
W1NKELMANN W: 1605
W1NKLER H: 1725, 4260
WINKLEY J: 3348
W1NNEWISSER M: 4261
WINSLOW EJ: 4262
W1QVIST N: 246, 4263
WIRTANEN GW: 4264
WIRTZ A: 3102
WISCH N: 2067
W1SE CD: 294
W1SSER H: 4285
WITKOWSKA E: 4266
WITTENBORG A: 4267
W1TT1NG WC: 2205
W1VEL NA: 3638
W1ZWER P: 2287
WOC1AL B: 1828
WOHL H: 1661, 2704
WOHLFE1L R: 4268
WOJC1K SJ: 3141
WOJCIK T: 4289
WOJSZW1LLO-GEPPERT E: 4270
WOJTOWICZ Z: 336
WOLF A: 4271
WOLF E: 3871
WOLF G: 1912
WOLF K: 4272
WOLF ML: 4273
WOLFE LS: 2896
WOLFF G: 4274
WOLFF J: 3890, 4275-4276
WOLFF JA: 3531
WOLFF M: 2542
WOLFF ME: 2050, 4172
WOLFF SM: 533
WOLF1SH MG: 4277
WOLFSEN AR: 3696
WOLLAST R: 549
WOLLMAN SH: 2351
WOLOSEW1CK JJ: 522
WOLPERT E: 2876
WOLTER R: 3963
WONG G: 4278
WONG KK: 973
WONG PC: 4279
WONG PY: 626
WOO CH: 1290
WOO YT: 4280
WOOD C: 3882, 4281
WOOD DC: 2267
WOOD HB JR: 3382
WOOD JM: 1152
WOOD LC: 4282
WOOD MH: 4283
WOOD NL: 604
WOODCOCK NA: 3473
WOODIN AM: 4284
WOODRUFF JD: 4285
WOODS C: 1159
WOODY MC: 2700
WOOLLEY MM: 3557
WOOTEN GF: 2193
WORK BA JR: 2205
WOROBJEW WS: 2049
WORSHAM E: 1530
WOTIZ HH: 1918, 4286
WOYNAROWSKA B: 371
WR1GHT BE: 4287
WR1GHT JA: 4288
WRIGHT NA: 92, 2676
WRIGHT RD: 4289
WRIGHT RD: 4290
WRIGHT SW: 794
WRIGHT TR: 4291
WR1GHT WK: 1623
WU CF: 1670
WU CH: 4292
WU NY: 3651
WU PH: 447
WUNDERER H: 2352
WUNDERL1CH JR: 3285
WURGLER FE: 4293
WURM K: 3757
WURTMAN R: 679
WURTMAN RJ: 1761, 4362
WUYTACK F: 473
WYBURN GM: 4294
WYFFELS G: 1860
WYNGAARDEN JB: 1697
WYNN RM: 2439
WYNN V: 17

X

XANTHAKOS UF: 4295

Y

YAFFE S: 3151
YAG1 K: 3402
YALOM 1D: 4296
YAMADA K: 4297
YAMADA T: 2028, 2857-2858
YAMAJI T: 924, 1916
YAMAMOTO M: 3397, 4298-4299
YAMANAKA H: 2005
YAMASHITA K: 2206-2207, 4300
YANAI R: 2737
YANAIHARA C: 4305
YANG CF: 3800
YANG HL: 4301
YANG HY: 4302
YANG JC: 4303
YANG MG: 1779, 4151
YANG YT: 165, 4304
YANIHARA N: 4305
YANO R: 4306
YANOFSKY C: 2292
YARBROUGH GG: 561, 4307
YAR1A J: 2524
YASUTAKE T: 1662
YATES FE: 4175
YDE H: 3617
YEFIMOV M: 170
YEH BK: 4308
YEN SS: 4309
YNDO CA: 2669
YO LE S1AN A: 3904
YODAIKEN RE: 4310
YOHN DS: 4311
YOKIMURA Y: 3392
YOMTOV B: 1594
YOSH1DA T: 2747, 3844
YOSHIMURA F: 4312
YOSHIMURA M: 4313
YOT1S WW: 4314
YOUKELES L: 3742
YOUNG A: 2427
YOUNG C: 573
YOUNG DA: 1523
YOUNG H: 3543
YOUNG PL: 1506
YOUNG RB: 3814
YOUNG RT: 3511
YTREDAL DO: 458
YU JY: 4315
YUW1LER A: 4316

Z

ZABEL M: 2591, 4317
ZABRANSKY S: 4316
ZACCAR1A M: 1054, 1103
ZACHMAN RD: 1098
ZACHMANN M: 490
ZADELHOFF 1 VAN: 2865
ZADOROZHNAIA TD: 4319
ZAGORODNIUK LF: 4022
ZAJACZKOWSKI T: 629
ZAJCZIK WE: 3943
ZAKARIA AM: 1697
ZAKAR1JA M: 4320-4321
ZAKHAROVA GN: 4322
ZAKUT H: 1761
ZAKUT V: 1319
ZALA PM: 4323
ZALMAEV BE: 4324
ZALTMAN G: 4325
ZAMBONI G: 2943
ZAMBRANO D: 2979, 4326
ZAMELLO J: 4327
ZAM1ATOWSKI R: 1228
ZAMORSKA L: 1424, 4328
ZAMRAZIL V: 4329
ZANARTU J: 4330
ZANCHETT1 A: 4331
ZANGENEH F: 4332
ZANIS1 M: 4333
ZARATE A: 584, 4036, 4334-4335
ZARATE J: 2637
ZARAY M: 980
ZAREM HA: 4336
ZARROW MX: 582, 3555, 4337
ZARUB1NA NA: 1205
ZARZYCK1 J: 4338
ZATSEP1N ST: 163
ZATZ MM: 4339
ZAUN H: 4340
ZAVADIL M: 2030
ZAWADZKI A: 1885
ZAW1STOWSKA H: 2908
ZAZGORNIK J: 3432-3434
ZHIRKOVA A: 3676
ZDAN R: 1654
ZSEBOK ZB: 4341
ZEBROWSKI EJ: 3144
ZECH L: 605
ZECHOVSKY N: 3265
ZEGLEN S: 3719
ZE1DLER H: 4267
ZE1DLER U: 2673
ZE1JLEMAKER WP: 2247
ZE1LHOFER R: 4342
ZE1LMAKER GH: 3453
ZEL1S R: 1992
ZEMBITSKAIA ZS: 4065

ZEROLO J: 49
ZERVAS NT: 4343
ZETTERVALL O: 2314
ZETTLER H: 4344
ZEUTHEN E: 3617
ZHAKHOVA ZN: 4064
ZHDANOV DA: 4345
ZHILIAEV M1: 3934
ZHUK AV: 846
ZHUK EA: 4346
ZHUKOVSKII MA: 4347
ZHUPANENKO TI: 4348
ZHURAVLEWA TB: 60
ZIAKUN AM: 3741
ZIEGLER JH: 430-431
ZIEGLER R: 1729
ZIELINSKI J: 1648
ZIEMLANSKI S: 4349
ZILVA JF: 4350
ZIMBELMAN RG: 4351
ZIMEN KE: 3291
ZIMMERING PE: 1926
ZIMMERMAN EA: 3250, 4352
ZIMMERMAN EF: 79
ZIMMERMAN EG: 4353
ZIMMERMAN HM: 3956
ZIMMERMAN JE JR: 4354
ZIMMERMAN RE: 1429
ZIMMERMAN-POPE VA: 686
ZIMMERMANN-GORSKA 1: 4355
ZIMMET PZ: 4144
ZINTILINI R: 277
ZIPPER J: 25, 3359
ZIPPERKOWSKI L: 2951
ZIRDUM A: 1116
ZIUKINA VI: 641
ZIV G: 4356-4357
ZIVIC R: 4358
ZLATOS J: 2665
ZMESKALOVA D: 958
ZNAMENS'KA OI: 4359
ZOGRAFSKI STR: 3717
ZOHDY A: 1921
ZOMBOR G: 2266
ZOTOV VV: 4360
ZOTTER S: 4361
ZOUPANOS G: 805
ZSCHAECK LL: 4362
ZSCHIEDRICH H: 1683
ZUBAY G: 4301
ZUBEK L: 3830
ZUBOVSKII GA: 4363
ZUCK TF: 4364
ZUCKER IR: 2795
ZUCKERMAN J: 1486
ZUCOLOTO S: 4365
ZUKOWSKI W: 4366
ZULMAN A: 4367
ZULMAN FG: 4367
ZUMOFF B: 1615
ZUNIGA MA: 4368
ZUNTOVA A: 2689
ZURHEIN GM: 1699
ZUSMAN RM: 4369-4370
ZUTLER AS: 2530
ZUURMAN K: 416
ZWEYMULLER K: 4371
ZWINAOR: 253
ZWINGER A: 1001
ZWYKIELSKI G: 4372

☆U.S. GOVERNMENT PRINTING OFFICE:1973-543-945/2

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here , enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM,
AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A–03
BETHESDA, MARYLAND 20014

Individual copies should be purchased from the Superintendent of Documents.

DHEW Publication No. (NIH) 74-273

BOUND BY
HNM

UNIVERSITY OF ILLINOIS-URBANA
3 0112 061406325